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Dept of Ecology
Toxics Cleanup Program

February 5, 2013

Mr. Christopher Maurer
Washington State Department of Ecology
Toxics Cleanup Program Headquarters
P.O. Box 47775
Olympia, Washington 98504-7775

Subject: **Second Semiannual 2012 Groundwater Monitoring Report**
Former Texaco Service Station No. 211577
631 Queen Anne Avenue North
Seattle, Washington

Dear Mr. Maurer:

SAIC Energy, Environment & Infrastructure, LLC (SAIC), on behalf of Chevron Environmental Management Company (CEMC), prepared this letter summarizing the second semiannual 2012 groundwater monitoring event at former Texaco Service Station No. 211577 (the site) in Seattle, Washington (Figure 1).

FIELD ACTIVITIES

Gettler-Ryan Inc. (Gettler-Ryan) conducted the groundwater monitoring field event on November 12, 13, and 14, 2012. Gettler-Ryan collected depth-to-groundwater measurements and checked for the presence of separate-phase hydrocarbons (SPH) in 40 of 41 monitoring wells on site. Measurements were not collected from well MW-11 due to an obstruction in the well casing.

Groundwater samples were collected from 25 monitoring wells using low-flow purge and sampling techniques. Samples were submitted to Lancaster Laboratories for the following analyses:

- Total petroleum hydrocarbons (TPH) as gasoline-range organics (TPH-GRO) by Washington State Department of Ecology (Ecology) Method NWTPH-Gx;
- TPH as diesel-range organics (TPH-DRO) and TPH as heavy oil-range organics (TPH-HRO) by Ecology Method NWTPH-Dx extended with silica-gel cleanup; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260 B.

SAIC Energy, Environment & Infrastructure, LLC
18912 North Creek Parkway | Suite 101 | Bothell, WA 98011 | tel: (425) 485-5800 | fax: (425) 485-5566 | saic.com\eeandi

Additional analyses were performed on 20 wells for the following monitored natural attenuation (MNA) evaluation parameters:

- Alkalinity by SM20 2320B;
- Iron and manganese by USEPA Method 6010B;
- Ferrous iron by SM 3500FeB;
- Sulfate, nitrate, and nitrite by USEPA Method 300.0; and
- Sulfide by SM20 4500S2D.

Field data sheets are provided in the Gettler-Ryan groundwater monitoring and sampling data package (Attachment A).

FINDINGS

During this event, groundwater elevation measurements ranged from 103.60 feet in monitoring well VP-9 to 67.05 feet in monitoring well MW-30, based on an arbitrary benchmark elevation of 100 feet. Groundwater elevation data from this event indicate that groundwater flow is toward the southwest at a gradient of approximately 0.016 to 0.29 feet per foot (Figure 2), and that groundwater elevation across the site decreased by an average of 1.09 feet since the previous semiannual monitoring event in May 2012.

SPH were not detected in any of the wells monitored.

The following analytes were detected at concentrations exceeding the site cleanup levels:

- TPH-GRO were detected in monitoring wells MW-4, MW-14 and MW-18;
- TPH-DRO were detected in monitoring wells VP-4, VP-8, MW-6, MW-9, and MW-14;
- TPH-HRO were detected in monitoring well VP-4; and
- Benzene was detected in monitoring wells MW-4, MW-18, MW-21, and MW-33.

Historical groundwater elevation data and laboratory analytical results are summarized in Table 1, and MNA data are summarized in Table 2. The laboratory analysis report is provided as Attachment B.

DISCUSSION

Groundwater monitoring and sampling results from this event are generally consistent with historical data for this site. Dissolved-phase petroleum contamination (predominantly TPH-GRO and TPH-DRO) continues to be detected in a select number of monitoring wells that are scattered throughout the site. Collectively, historical groundwater sampling data indicate that the dual-phase extraction (DPE) remedial action was effective in significant reductions in benzene and TPH-GRO concentrations at the site, and that further reductions in petroleum constituent concentrations are continuing to occur through natural attenuation.

As agreed to by Ecology, the groundwater cleanup standards for this site are based on protection of surface water and aquatic organisms. Therefore, groundwater is currently in compliance with the cleanup goals for the site since all applicable cleanup levels are being met at downgradient "sentinel" wells located along the east side of Second Avenue West.

Gettler-Ryan is scheduled to perform the next groundwater monitoring and sampling event in May 2013.

If you have any questions regarding information presented in this report, please contact the SAIC Project Manager, Mr. Russ Shropshire, at (425) 482-3323 or via email at russell.s.shropshire@saic.com.

Sincerely,

SAIC Energy, Environment & Infrastructure, LLC

Julie Wartes
Project Scientist

Enclosures:
Figure 1 – Vicinity Map
Figure 2 – Potentiometric Map
Table 1 – Groundwater Monitoring Data and Analytical Results
Table 2 – Groundwater Analytical Results for Monitored Natural Attenuation Parameters
Attachment A – Groundwater Monitoring and Sampling Data Package
Attachment B – Laboratory Analysis Report

cc: Mr. Eric Hetrick – CEMC
Mr. Paul McTaggard – Darco, Inc.
Mr. Gerry Pigotti – Monterey Apartments, LLC
Mr. Bert Hyde – Sound Earth Strategies
Project File

REPORT LIMITATIONS

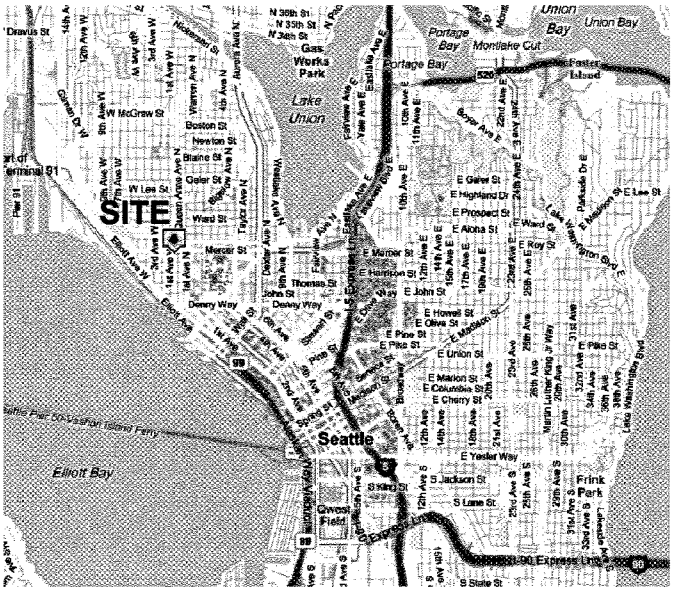
This technical document was prepared on behalf of Chevron and is intended for its sole use and for use by the local, state or federal regulatory agency that the technical document was sent to by SAIC. Any other person or entity obtaining, using, or relying on this technical document hereby acknowledges that they do so at their own risk, and that SAIC shall have no responsibility or liability for the consequences thereof.

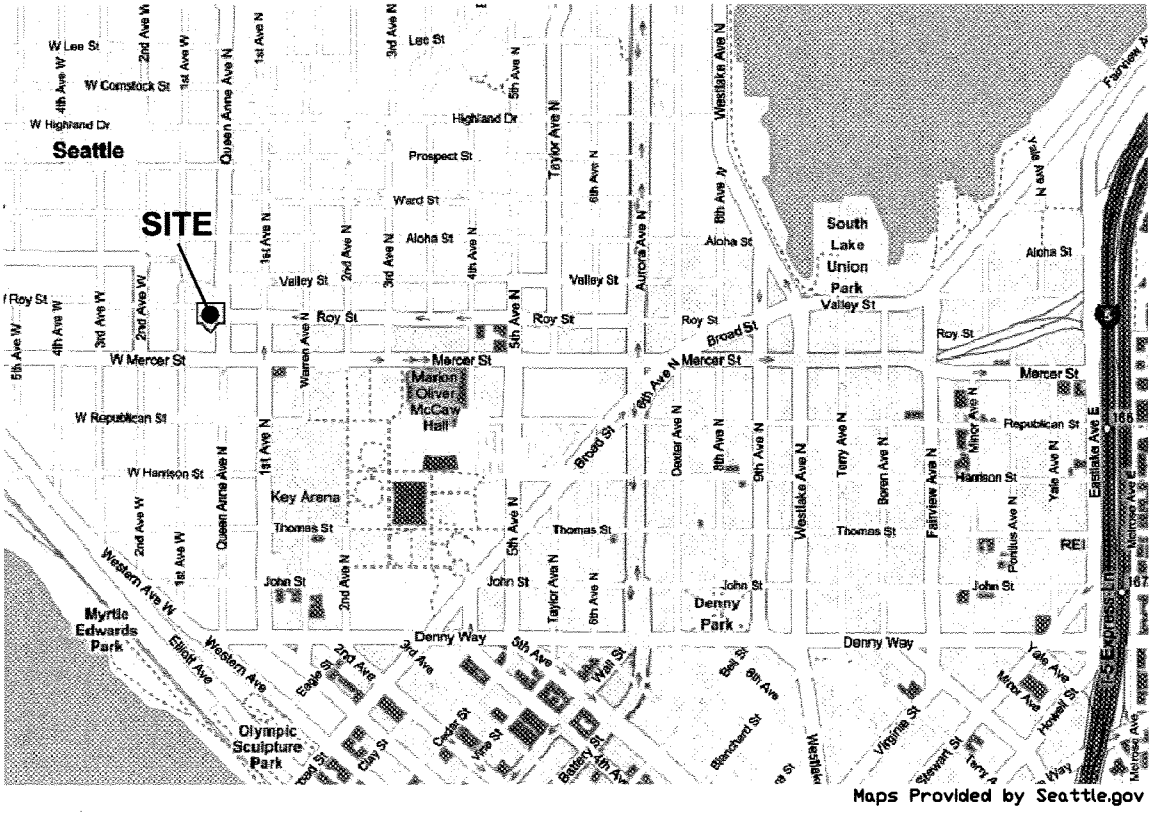
Site history and background information provided in this technical document are based on sources that may include interviews with environmental regulatory agencies and property management personnel and a review of acquired environmental regulatory agency documents and property information obtained from CEMC and others. SAIC has not made, nor has it been asked to make, any independent investigation concerning the accuracy, reliability, or completeness of such information beyond that described in this technical document.

Recognizing reasonable limits of time and cost, this technical document cannot wholly eliminate uncertainty regarding the vertical and lateral extent of impacted environmental media.

Opinions and recommendations presented in this technical document apply only to site conditions and features as they existed at the time of SAIC's site visits or site work and cannot be applied to conditions and features of which SAIC is unaware and has not had the opportunity to evaluate.

All sources of information on which SAIC has relied in making its conclusions (including direct field observations) are identified by reference in this technical document or in appendices attached to this technical document. Any information not listed by reference or in appendices has not been evaluated or relied upon by SAIC in the context of this technical document. The conclusions, therefore, represent our professional opinion based on the identified sources of information.





Former Texaco Service Station No. 211577
631 Queen Anne Avenue North
Seattle, Washington

FIGURE 1
Vicinity Map

FILE NAME: 211577 Vicinity Map.dwg

DATE: 8/22/2012

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Z:\2004\ChevronTexaco\WA Portfolio\211577 Queen Anne\211577 Vicinity Map.dwg cohnl 06/09/12 - 10:37 A

WEST ROY STREET

2ND AVENUE WEST

1ST AVENUE WEST

QUEEN ANNE AVENUE NORTH

Chandler Hall Apartments

U-Park Parking Lot

Queen Anne Arms Apartments

Uptown Studios Apartments

Bank of America Parking Lot

Residences

Tup Tim Thai Restaurant

Bank of America

Del Roy Apartments

Monterey Apartments

Manhattan Express

Lindberg Apartments

Alvena Vista Apartments

18 Mercer Street Building

Retaining Wall

Remediation System Enclosure

MW-20 97.72

MW-25 91.16

DB-9/MW-16 89.95

MW-35 70.00

DB-6/MW-14 90.15

MW-26 89.88

MW-33 72.26

MW-32 89.71

DB-10/MW-17 89.77

MW-34 67.26

MW-30 67.05

MW-21 69.00

MW-31 67.22

DB-8/MW-15 89.93

NM MP-2

MW-11 NM

MP-1 NM

MW-24 [103.13]

[103.60] VP-9

MW-9 94.18

MW-10 102.99

RW-4

DPE-7 93.63

MW-6 93.38

DPE-6 94.24

DB-2/MW-13 96.82

DPE-5 [98.47]

DB-1/MW-12 [102.26]

DPE-8/MW-22 91.30

90.54 DPE-4

90.89 DPE-9

VP-2 91.63

RW-5

RW-3

MW-4 90.30

RW-2 93.13

MW-23 [98.73]

MW-18 90.27

DPE-1 [89.66]

DPE-2 90.40

VP-4 90.93

DPE-3 91.58

VP-8/MW-7 92.50

VP-7/MW-3 89.89

MW-19 90.26

VP-5/MW-5 90.21

88.0 90.0 92.0 94.0 96.0 98.0 100.0 102.0 84.0 86.0 82.0 80.0 78.0 76.0 74.0 72.0 70.0 68.0

State of Washington 2357 Licensed Geologist

Gabriel Stephens

1/31/13

N

0 50' 100'

LEGEND:

MW-26	EXISTING 1" or 2" WELL LOCATION	90.30	GROUNDWATER ELEVATION IN FEET
DPE-1	EXISTING 4" DIA. WELL LOCATION	70.00	GROUNDWATER ELEVATION CONTOURS AT A 2 FOOT INTERVAL (DASHED WHERE INFERRED)
RW-2	EXISTING 6" or 8" DIA. RECOVERY WELL LOCATION		
NM	NOT MONITORED	[102.26]	GROUNDWATER ELEVATION NOT USED IN CONTOUR MAP, MONITORING WELL LOCATED IN PERCHED ZONE
— x —	FENCE		
— — —	STREET CENTER LINE		APPROXIMATE GROUNDWATER FLOW DIRECTION AT A GRADIENT OF 0.016 TO 0.29 ft/ft

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Former Texaco Service Station No. 211577
631 Quenn Anne Avenue North
Seattle, Washington

FIGURE 2
Potentiometric Map
November 12, 2012

FILE NAME: 211577 Site Map.dwg

DATE: 1/31/2013

TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-1													
06/14/00	103.03	--	--	--	--	**75,600**	<12,500	**5,000**	21.6	14.4	32.8	435	--
07/24/02	103.03	--	11.59	0.00	91.44	**18,000**	**1,500**	**35,000**	**120**	820	280	**4,600**	**22.9**
10/17-18/02	103.03	--	12.70	0.00	90.33	**7,500**	**598**[5]	**27,300**	**170**	756	334	**4,820**	**18.0**
01/21/03	103.03	--	12.70	0.00	90.33	**14,200**	**807**[5]	**36,700**	**90.5**	801	500	**6,630**	**47.1**
04/23-24/03	103.03	--	11.63	0.00	91.40	**2,830**	<500	**24,200**	**110**	136	225	**2,780**	**36.4**[13]
06/30-07/01/03	103.03	--	12.21	0.00	90.82	**20,200**	**1,750**	**8,000**[10]	**36.8**[10]	49.2[10]	47.1[10]	618[10]	13.2[13]
10/01-02/03	103.03	--	13.11	0.00	89.92	**40,000**	**6,300**	**7,600**	**56**	47	22	690	**31.2**[13]
01/21-23/04	103.03	--	12.21	0.00	90.82	**17,000**	**3,200**	**4,500**	11	6.2	<20	85	4.2[13]
04/29-30/04	103.03	--	11.87	0.00	91.16	**3,600**	**1,100**	**4,200**	**24**	3.6	9.8	85	2.6[13]
07/15-16/04	103.03	--	13.41	0.00	89.62	**1,050**[12]	<500	**1,880**	21.7	2.77	6.92	50.7	2.46[13]
08/03/04	103.03	--	12.71	0.00	90.32	--	--	--	--	--	--	--	--
10/28-11/01/04	103.03	--	12.84	0.00	90.19	**35,000**	**18,000**	**2,100**	**25**	5.5	7.6	97	--
01/24-31/05	103.03	--	12.38	0.00	90.65	**3,600**	**1,300**	670	5.2	0.8	1.4	13	--
04/18-21/05	103.03	--	12.09	0.00	90.94	**5,500**	**2,200**	340	<1.0	<0.5	0.7	5.2	--
07/27-28/05	103.03	--	12.38	0.00	90.65	--	--	--	--	--	--	--	--
11/08-10/05	103.03	--	13.48	--	89.55	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
02/22/06	103.03	--	10.89	0.00	92.14	--	--	--	--	--	--	--	--
04/17/06	103.03	--	12.10	0.00	90.93	--	--	--	--	--	--	--	--
WELL DECOMMISSIONED SEPTEMBER 2006													
VP-2													
12/15/99	104.72	--	--	--	--	**29,900**	<2,500	**5,980**	**935**	345	43.8	305	--
06/14/00	104.72	--	--	--	--	**2,810**	<1,000	**2,030**	**45.9**	16.2	<3.00	196	--
07/24/02	104.72	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/17-18/02	104.72	--	13.60	0.00	91.12	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21/03	104.72	--	13.63	0.00	91.09	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/23-24/03	104.72	--	12.15	0.00	92.57	**12,100**	<250	**6,230**	**549**	42.6	106	**1,120**	1.52[13]
06/30-07/01/03	104.72	--	12.51	0.00	92.21	**35,900**	**1,380**	**3,330**	**180**	58.8	32.4	510	3.97[13]
10/01-02/03	104.72	--	14.12	0.00	90.60	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21-23/04	104.72	--	13.06	0.00	91.66	**480,000**	<56,000	**1,700**	**69**	16	<10	210	5.3[13]
04/29-30/04	104.72	--	10.53	0.00	94.19	**850**	**2,200**	**6,400**	**1,500**	94	68	760	2.1[13]
07/15-16/04	104.72	--	13.52	0.00	91.20	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
08/03/04	104.72	--	13.66	0.00	91.06	--	--	--	--	--	--	--	--
10/28-11/01/04	105.11	--	14.18	0.00	90.93	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/24-31/05	105.11	--	13.51	0.00	91.60	**24,000**	**1,600**	640	23	3.6	5.3	57	--
04/18-21/05	105.11	--	13.20	0.00	91.91	**120,000**	**8,700**	<50	2.1	<0.5	<0.5	3.6	--

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TABLE 1

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-2 (cont.)													
07/27-28/05	105.11	--	13.75	0.00	91.36	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	105.11	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
02/22/06	105.11	--	12.02	0.00	93.09	--	--	--	--	--	--	--	--
04/17/06	105.11	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
10/17/06	105.11	--	14.66	0.00	90.45	--	--	--	--	--	--	--	--
04/17/07	105.11	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07	105.11	--	14.70	0.00	90.41	--	--	--	--	--	--	--	--
04/28/08	105.11	--	14.65	0.00	90.46	--	--	--	--	--	--	--	--
11/03/08	105.11	--	14.76	0.00	90.35	--	--	--	--	--	--	--	--
04/13-16/09	105.11	--	13.88	0.00	91.23	--	--	--	--	--	--	--	--
10/12-15/09	105.11	--	14.47	0.00	90.64	--	--	--	--	--	--	--	--
04/19-22/10	105.11	--	12.25	0.00	92.86	--	--	--	--	--	--	--	--
01/17-20/11	105.11	--	11.58	0.00	93.53	--	--	--	--	--	--	--	--
05/10-12/11	105.11	--	11.97	0.00	93.14	--	--	--	--	--	--	--	--
05/07-08/12	105.11	--	12.12	0.00	92.99	--	--	--	--	--	--	--	--
11/12-14/12	105.11	--	13.48	0.00	91.63	--	--	--	--	--	--	--	--
VP-3/MW-2													
07/07/93	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
07/24/02	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
10/17-18/02	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21/03	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/23-24/03	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
06/30-07/01/03	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
10/01-02/03	104.75	--	9.05	0.00	95.70	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21-23/04	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/29-30/04	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
07/15-16/04	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
08/03/04	104.75	--	DRY	--	--	--	--	--	--	--	--	--	--
10/28-11/01/04	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/24-31/05	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/18-21/05	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
07/27-28/05	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/08-10/05	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/17/06	104.75	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
WELL DECOMMISSIONED SEPTEMBER 2006													

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TABLE 1

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Seattle, Washington

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VP-4													
06/13/00	103.35	--	--	--	--	**1,850**	<552	**26,400**	**1,020**	3,270	809	**6,160**	--
07/24/02	103.35	--	11.89	0.00	91.46	**78,000**	<9,700	**89,000**	**7,300**	7,500	1,900	**13,000**	**28.0**
10/17-18/02	103.35	12.75	12.78	0.03	90.59	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21/03	103.35	12.61	12.71	0.10	90.72	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
04/23-24/03	103.35	11.72	11.75	0.03	91.62	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
06/30-07/01/03	103.35	12.31	12.34	0.03	91.03	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/01-02/03	103.35	13.26	13.29	0.03	90.08	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21-23/04	103.35	12.34	12.37	0.03	91.00	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
04/29-30/04	103.35	--	12.21	0.00	91.14	**28,000**	<2,300	150	1.7	2.6	1	20	4.0[13]
07/15-16/04	103.35	--	12.62	0.00	90.73	**18,600**	**789[5]**	**32,200**	**2,230**	746	212	**3,710**	8.9[13]
08/03/04	103.35	--	12.91	0.00	90.44	--	--	--	--	--	--	--	--
10/28-11/01/04	103.35	--	12.98	0.00	90.37	**330,000**	<100,000	**48,000**	**2,500**	1,400	560	**5,400**	--
01/24-31/05	103.35	--	12.38	0.00	90.97	**110,000**	<9,500	**19,000**	**360**	750	89	**2,000**	--
04/18-21/05	103.35	--	12.14	0.00	91.21	**46,000**	<10,000	**2,800**	23	30	6.8	270	--
07/27-28/05	103.35	--	12.51	0.00	90.84	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	103.35	--	12.91	0.00	90.44	NOT SAMPLED		--	--	--	--	--	--
02/22/06	103.35	--	11.03	0.00	92.32	--	--	--	--	--	--	--	--
04/17/06	103.35	--	12.12	0.00	91.23	--	--	--	--	--	--	--	--
10/17/06	103.35	--	14.10	0.00	89.25	--	--	--	--	--	--	--	--
04/17/07	103.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07	103.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	103.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08	103.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/13-16/09	103.35	--	12.89	0.00	90.46	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
10/12-15/09	103.35	--	13.30	0.00	90.05	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/19-22/10	103.35	--	11.32	0.00	92.03	**13,000**	**2,600**	640	2	0.7	0.8	6	--
01/17-20/11	103.35	--	10.92	0.00	92.43	**8,500**	**2,300**	350	0.7	<0.5	<0.5	3	--
05/10-12/11	103.35	--	10.91	0.00	92.44	**2,200**	**510**	280	1	<0.5	0.6	7	--
05/07-08/12	103.35	--	11.15	0.00	92.20	**19,000**	**3,200**	430	1	0.6	1	2	--
11/12-14/12	103.35	--	12.42	0.00	90.93	**26,000**	**3,300**	350	1	0.6	0.5	2	--
VP-5/MW-5													
11/03/86	103.21	--	15.15	0.00	88.06	--	--	--	--	--	--	--	--
09/90	102.92	--	13.49	0.00	89.43	--	--	--	--	--	--	--	--
03/26-28/91	102.91	--	12.58	0.00	90.33	--	--	--	**5,300**	1,300	900	**4,600**	--
07/07/93	102.91	--	12.29	0.00	90.62	--	--	--	--	--	--	--	--
12/15/99	102.91	--	--	--	--	**2,490**	<500	**23,400**	**841**	191	1,480	**7,720**	--
06/13/00	102.91	--	--	--	--	**1,340**	<1,120	**25,600**	**793**	155	1,380	**5,690**	--
07/24/02	102.63	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/17-18/02	102.63	--	12.31	0.00	90.32	**3,900**	<500	**15,900**	**318**	49.3	880	**1,870**	2.29

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-5/MW-5 (cont.)													
01/21/03	102.63	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
04/23-24/03	102.63	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
06/30-07/01/03	102.63	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
10/01-02/03	102.63	--	12.81	0.00	89.82	**1,500**	270	**22,000**	**330**	76	1,000	**2,200**	2.4[13]
01/21-23/04	102.63	--	11.91	0.00	90.72	**1,500**	310	**19,000**	**310**	100	980	**1,600**	1.7[13]
04/29-30/04	102.63	--	11.80	0.00	90.83	**1,400**	400	**3,500**	**61**	13	190	180	<0.99[13]
07/15-16/04	102.63	--	12.22	0.00	90.41	<250	<500	**7,900**	**58.3**	18.4	384	475	<1.00[13]
08/03/04	102.63	--	12.52	0.00	90.11	--	--	--	--	--	--	--	--
10/28-11/01/04	102.63	--	12.57	0.00	90.06	**710**	<200	**19,000**	**98**	56	860	**1,600**	--
01/24-31/05	102.63	--	11.96	0.00	90.67	**910**	<250	**16,000**	**86**	60	770	**1,300**	--
04/18-21/05	102.63	--	11.75	0.00	90.88	**3,100**	<250	**12,000**	**39**	42	710	**1,200**	--
07/27-28/05	102.63	--	12.05	0.00	90.58	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	102.63	--	12.42	0.00	90.21	NOT SAMPLED		--	--	--	--	--	--
02/22/06	102.63	--	10.62	0.00	92.01	--	--	--	--	--	--	--	--
04/17/06	102.63	--	11.56	0.00	91.07	--	--	--	--	--	--	--	--
10/17/06	102.63	--	14.03	0.00	88.60	--	--	--	--	--	--	--	--
04/17/07	102.63	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07	102.63	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	102.63	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/04/08	102.63	--	14.30	0.00	88.33	160	<66	110	<0.5	<0.5	<0.5	0.8	--
04/13-16/09	102.63	--	13.56	0.00	89.07	**860**	130	99	<0.5	<0.5	0.7	2	--
10/12-15/09	102.63	--	12.92	0.00	89.71	**1,900**	**2,100**	380	1	0.6	0.9	2	--
04/19-22/10	102.63	--	11.02	0.00	91.61	200	<73	120	0.7	<0.5	<0.5	<0.5	--
01/17-20/11	102.63	--	10.47	0.00	92.16	140	360	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	102.63	--	10.58	0.00	92.05	310	<67	80	0.8	<0.5	<0.5	<0.5	--
05/07-08/12	102.63	--	10.75	0.00	91.88	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	102.63	--	12.42	0.00	90.21	33	<68	<50	1	<0.5	<0.5	<0.5	--
VP-6													
NOT MONITORED/SAMPLED, REPLACED BY WELL DPE-1, SEE DPE-1 FOR VP-6 DATA													
VP-7/MW-3													
11/03/86	100.81	--	12.13	0.00	88.68	--	--	--	--	--	--	--	--
09/90	100.51	--	11.48	0.00	89.03	--	--	--	--	--	--	--	--
03/26-28/91	100.48	--	10.36	0.00	90.12	--	--	--	**3,700**	1,600	740	**3,500**	--
07/07/93	100.48	--	10.46	0.00	90.02	--	--	**20,000**	**4,700**	2,000	910	**3,600**	--
10/95	100.48	--	NM	--	--	--	--	**33,000**	**11,700**	2,330	1,070	**4,130**	--
01/97	100.48	--	NM	--	--	--	--	**51,000**	**12,400**	5,200	990	**5,200**	--
04/97	100.48	--	NM	--	--	--	--	**53,000**	**11,100**	4,800	1,400	**7,600**	--
07/97	100.48	--	NM	--	--	--	--	**37,000**	**11,000**	3,700	1,500	**7,100**	--
11/97	100.48	--	NM	--	--	--	--	**34,000**	**15,900**	3,600	1,500	**6,600**	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-7/MW-3 (cont.)													
12/14/99	100.48	--	NM	--	--	**3,310**	<500	**73,400**	**16,800**	9,670	1,890	**10,500**	--
06/14/00	100.48	--	NM	--	--	**931**	<1,460	**54,400**	**10,000**	8,230	1,380	**7,470**	--
07/24/02	100.40	--	9.74	0.00	90.66	**5,800**	**580**	**60,000**	**8,200**	7,000	1,500	**8,300**	**25.0**
10/17-18/02	100.40	--	10.57	0.00	89.83	**5,160**	**510**[5]	**71,600**	**11,100**	5,880	1,940	**10,800**	2.40
01/21/03	100.40	--	10.29	0.00	90.11	**714**[7]	<500	**41,600**	**9,440**	1,470	1,360	**6,190**	<1.00
04/23-24/03	100.40	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
06/30-07/01/03	100.40	10.08	10.11	0.03	90.31	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/01-02/03	100.40	--	10.98	0.00	89.42	**3,800**	**520**	**61,000**	**10,000**	4,500	2,000	**10,000**	1.8[13]
01/21-23/04	100.40	--	10.09	0.00	90.31	<250	<250	**1,700**	**660**	69	70	350	<1.2[13]
04/29-30/04	100.40	--	9.96	0.00	90.44	<800	<1,000	<50	**28**	1.7	1.8	6.0	<0.99[13]
07/15-16/04	100.40	--	10.38	0.00	90.02	342	<500	**36,800**	**9,900**	985	1,270	**2,770**	<1.00[13]
08/03/04	100.40	--	10.66	0.00	89.74	--	--	--	--	--	--	--	--
10/28-11/01/04	100.40	--	10.76	0.00	89.64	**850**	<1,000	100	**250**	<0.5	<0.5	1.6	--
01/24-31/05	100.40	--	10.13	0.00	90.27	390	<250	**21,000**	**4,900**	1,900	890	**3,200**	--
04/18-21/05	100.40	--	9.97	0.00	90.43	**4,000**	<580	**26,000**	**5,800**	760	1,300	**5,100**	--
07/27-28/05	100.40	--	10.28	0.00	90.12	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	100.40	--	10.57	0.00	89.83	NOT SAMPLED		--	--	--	--	--	--
02/22/06	100.40	--	9.89	0.00	90.51	--	--	--	--	--	--	--	--
04/17/06	100.40	--	9.94	0.00	90.46	--	--	--	--	--	--	--	--
10/17/06	100.40	--	12.31	0.00	88.09	--	--	--	--	--	--	--	--
04/17/07	100.40	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07	100.40	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	100.40	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08	100.40	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/13-16/09	100.40	--	10.86	0.00	89.54	--	--	--	--	--	--	--	--
10/12-15/09	100.40	--	11.17	0.00	89.23	--	--	--	--	--	--	--	--
04/19-22/10	100.40	--	9.31	0.00	91.09	--	--	--	--	--	--	--	--
01/17-20/11	100.40	--	8.79	0.00	91.61	--	--	--	--	--	--	--	--
05/10-12/11	100.40	--	8.93	0.00	91.47	--	--	--	--	--	--	--	--
05/07-08/12	100.40	--	9.05	0.00	91.35	--	--	--	--	--	--	--	--
11/12-14/12	100.40	--	10.51	0.00	89.89	--	--	--	--	--	--	--	--
VP-8/MW-7													
11/03/86	105.33	Trace	14.22	0.00	91.11	--	--	--	--	--	--	--	--
09/90	104.88	--	13.3	0.00	91.58	--	--	--	--	--	--	--	--
03/26-28/91	104.88	--	12.02	0.00	92.86	--	--	--	**280**	510	130	**1,100**	--
07/07/93	104.88	--	12.23	0.00	92.65	--	--	**7,000**	**220**	210	61	480	--
10/95	104.88	--	NM	--	--	--	--	**3,100**	2.5	1.2	3	16	--
01/97	104.88	--	NM	--	--	--	--	**8,000**	**816**	824	26	594	--
04/97	104.88	--	NM	--	--	--	--	**18,000**	**605**	786	119	**1,774**	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[4] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-8/MW-7 (cont.)													
07/97	104.88	--	NM	--	--	--	--	**9,100 J**	**96**	246	52	980	--
11/97	104.88	--	NM	--	--	--	--	**830 J**	5.6	7	11	32.6	--
12/15/99	104.88	--	NM	--	--	**2,780**	<500	**7,640**	**540**	927	201	**1,430**	--
06/13/00	104.88	--	NM	--	--	**2,280**	<1,100	233	1.10	1.81	1.95	7.99	--
07/24/02	104.88	--	11.70	0.00	93.18	**1,800**	420	**1,500**	9.4	9.2	34	50	11.4
10/17-18/02	104.88	--	12.78	0.00	92.10	**1,830**	<500	552	9.75	1.45	4.25	5.73	1.93
01/21/03	104.88	--	12.63	0.00	92.25	**1,120**	<500	**1,910**	**139**	291	59.1	216	8.33
04/23-24/03	104.88	--	10.72	0.00	94.16	**800**	<500	700	**65.6**	35.7	22.9	69.8	3.73[13]
06/30-07/01/03	104.88	--	12.45	0.00	92.43	**939**	<500	379	2.68	1.57	3.70	4.69	2.06[13]
10/01-02/03	104.88	--	13.49	0.00	91.39	**19,000**	**2,100**	290	3.4	1.2	5.8	11	2.4[13]
01/21-23/04	104.88	--	12.16	0.00	92.72	**3,400**	**620**	89	<0.5	<0.5	<0.5	<1.5	3.2[13]
04/29-30/04	104.88	--	11.91	0.00	92.97	**620**	<250	460	0.6	<0.5	1.6	<3.0	<0.99[13]
07/15-16/04	104.88	--	12.76	0.00	92.12	**528**	<500	430	0.985	<0.500	1.50	2.40	<1.00[13]
08/03/04	104.88	--	12.94	0.00	91.94	--	--	--	--	--	--	--	--
10/28-11/01/04	104.88	--	13.09	0.00	91.79	**130,000**	<20,000	210	2.7	0.7	2.6	9.9	--
01/24-31/05	104.88	--	12.49	0.00	92.39	<250	<250	450	5.1	9.9	3.2	21	--
04/18-21/05	104.88	--	12.30	0.00	92.58	<250	<250	240	0.9	<0.5	6.2	4.7	--
07/27-28/05	104.88	--	12.59	0.00	92.29	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	104.88	--	13.12	0.00	91.76	NOT SAMPLED		--	--	--	--	--	--
02/22/06	104.88	--	11.05	0.00	93.83	--	--	--	--	--	--	--	--
04/17/06	104.88	--	12.40	0.00	92.48	--	--	--	--	--	--	--	--
08/08/06	104.88	--	14.00	0.00	90.88	--	--	380	<2.0	0.9	2.8	6.5	--
04/17-18/07	104.88	--	15.21	0.00	89.67	--	--	270	1.8	0.8	1.1	2.9	--
12/04/07	104.88	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28-29/08	104.88	--	15.23[16]	0.00	89.65	<76	<95	390	<0.5	<0.5	<0.5	<0.5	--
12/11/08[17]	104.88	--	13.98	0.00	90.90	71	<74	370	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	104.88	--	12.45	0.00	92.43	180	<71	**1,100**	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	104.88	--	13.10	0.00	91.78	89	<70	200	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	104.88	--	11.15	0.00	93.73	**970**	210	190	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	104.88	--	10.28	0.00	94.60	460	**660**	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	104.88	--	10.71	0.00	94.17	140	<69	220	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	104.88	--	11.03	0.00	93.85	76	<72	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	104.88	--	12.38	0.00	92.50	**770**	150	84	<0.5	<0.5	<0.5	<0.5	--
VP-9													
12/15/99	112.35	--	--	--	--	<250	<500	118	<0.500	<0.500	<0.500	<1.00	--
06/14/00	112.35	--	--	--	--	**1,420**	<1,130	474	4.97	<1.30	55.6	4.48	--
07/24/02	112.35	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/17-18/02	112.35	--	11.90	0.00	100.45	**13,200**	**786**[5]	**1,910**	11.3	2.62	8.86	14.7	<1.00

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
VP-9 (cont.)													
01/21/03	112.35	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
04/23-24/03	112.35	--	8.28	0.00	104.07	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
06/30-07/01/03	112.35	--	9.74	0.00	102.61	<250	<500	681	1.22	0.735	5.07	3.28	<1.00[13]
10/01-02/03	112.35	--	11.72	0.00	100.63	**5,400**	**1,300**	**1,600**	5.3	1.4	2.3	<10	--[14]
01/21-23/04	112.35	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
04/29-30/04	112.35	--	9.58	0.00	102.77	**1,500**	**<1,000**	750	0.8	<0.5	13	<1.5	<0.99[13]
07/15-16/04	112.35	--	11.15	0.00	101.20	259	<500	**1,270**	1.67	0.699	2.79	5.77	<1.00[13]
08/03/04	112.35	--	12.50	0.00	99.85	--	--	--	--	--	--	--	--
10/28-11/01/04	112.35	--	9.82	0.00	102.53	<800	<1,000	610	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	112.35	--	10.30	0.00	102.05	<250	<250	100	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	112.35	--	9.00	0.00	103.35	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	112.35	--	9.77	0.00	102.58	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	112.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
02/22/06	112.35	--	9.38	0.00	102.97	--	--	--	--	--	--	--	--
04/17/06	112.35	--	9.10	0.00	103.25	--	--	--	--	--	--	--	--
04/28/08	112.35	--	7.94	0.00	104.41	--	--	--	--	--	--	--	--
11/03/08	112.35	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/13-16/09	112.35	--	8.11	0.00	104.24	--	--	--	--	--	--	--	--
10/12-15/09	112.35	--	9.71	0.00	102.64	--	--	--	--	--	--	--	--
04/19-22/10	112.35	--	9.07	0.00	103.28	--	--	--	--	--	--	--	--
01/17-20/11	112.35	--	9.09	0.00	103.26	--	--	--	--	--	--	--	--
05/10-12/11	112.35	--	8.83	0.00	103.52	--	--	--	--	--	--	--	--
05/07-08/12	112.35	--	8.87	0.00	103.48	--	--	--	--	--	--	--	--
11/12-14/12	112.35	--	8.75	0.00	103.60	--	--	--	--	--	--	--	--
MW-4													
11/03/86	102.38	--	13.55	0.00	88.83	--	--	--	--	--	--	--	--
09/90	102.08	--	12.87	0.00	89.21	--	--	--	--	--	--	--	--
03/26-28/91	102.08	--	11.78	0.00	90.30	--	--	--	**10,000**	12,000	500	**9,800**	--
10/95	102.08	--	--	--	--	--	--	**95,000**	**19,600**	12,000	2,070	**10,800**	--
01/97	102.08	--	--	--	--	--	--	**88,000**	**12,900**	12,400	1,400	**10,600**	--
04/97	102.08	--	--	--	--	--	--	**100,000**	**14,300**	14,500	1,700	**11,000**	--
07/97	102.08	--	--	--	--	--	--	**120,000**	**19,600**	**19,700**	2,100	**13,100**	--
11/97	102.08	--	--	--	--	--	--	**89,000**	**17,500**	16,000	1,900	**12,200**	--
12/15/99	102.08	--	--	--	--	**3,340**	<500	**73,300**	**13,700**	13,500	1,830	**11,000**	--
06/14/00	102.08	--	--	--	--	**3,390**	<1,240	**74,400**	**14,400**	9,440	1,840	**10,800**	--
07/24/02	102.07	--	11.18	0.00	90.89	**10,000**	**680**	**83,000**	**11,000**	9,900	1,800	**11,000**	**15.5**
10/17-18/02	102.07	--	11.98	0.00	90.09	**9,860**	**697**[5]	**110,000**	**14,500**	11,600	2,630	**15,200**	10.7
10/17-18/02 (D)	102.07	--	--	--	--	**7,100**	<500	**92,400**	**12,400**	9,980	2,090	**12,200**	9.61
01/21/03	102.07	--	11.81	0.00	90.26	**2,540**[8]	<500	**80,000**	**10,700**	10,100	1,920	**11,700**	14.5

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-4 (cont.)													
04/23-24/03	102.07	--	11.03	0.00	91.04	**1,680**	<500	**79,300**	**8,990**	7,350	1,780	**10,300**	5.74[13]
06/30-07/01/03	102.07	--	11.55	0.00	90.52	**3,910**	<500	**108,000**	**12,100**	11,200	2,630	**15,300**	7.85[13]
10/01-02/03	102.07	--	12.46	0.00	89.61	**3,800**	<500	**100,000**	**9,700**	11,000	2,000	**12,000**	7.1[13]
01/21-23/04	102.07	--	11.59	0.00	90.48	**62,000**	**2,800**	**93,000**	**11,000**	10,000	1,800	**12,000**	6.7[13]
04/29-30/04	102.07	--	11.48	0.00	90.59	**13,000**	**610**	**80,000**	**8,900**	8,200	1,600	**11,000**	14.3[13]
07/15-16/04	102.07	--	11.88	0.00	90.19	**943**	<500	**100,000**	**10,300**	7,600	2,090	**13,300**	9.06[13]
08/03/04	102.07	--	12.09	0.00	89.98	--	--	--	--	--	--	--	--
10/28-11/01/04	102.07	--	12.26	0.00	89.81	**7,500**	<1,000	**71,000**	**9,000**	5,900	2,000	**12,000**	--
01/24-31/05	102.07	--	11.68	0.00	90.39	**1,500**	<250	**56,000**	**8,900**	5,100	1,700	**9,600**	--
04/18-21/05	102.07	--	11.47	0.00	90.60	**3,700**	<510	**64,000**	**9,200**	6,800	2,000	**12,000**	--
07/27-28/05	102.07	--	11.73	0.00	90.34	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	102.07	--	12.12	0.00	89.95	NOT SAMPLED		--	--	--	--	--	--
02/22/06	102.07	--	10.38	0.00	91.69	--	--	--	--	--	--	--	--
04/17/06	102.07	--	11.59	0.00	90.48	--	--	--	--	--	--	--	--
08/08/06	102.07	--	13.37	0.00	88.70	--	--	**23,000**	**1,500**	870	750	**4,400**	--
08/19/06	102.07	13.72	13.78	0.06	88.34	--	--	--	--	--	--	--	--
10/17/06	102.07	--	13.92	0.00	88.15	--	--	--	--	--	--	--	--
04/17-18/07	102.07	--	15.65	0.00	86.42	210	<94	650	**280**	7.7	66	22	--
12/04/07	102.07	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	101.95	--	17.21[16]	0.00	84.74	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/10/08	101.95	--	13.85	0.00	88.10	**2,300**	67	150	9	<0.5	<0.5	<0.5	--
04/13-16/09	101.95	--	12.23	0.00	89.72	**9,700**	<340	**1,500**	22	0.7	0.6	4	--
10/12-15/09	101.95	--	12.48	0.00	89.47	**11,000**	<720	**3,100**	**25**	2	3	8	--
04/19-22/10	101.95	--	10.60	0.00	91.35	**7,200**	**680**	**1,400**	**550**	3	8	8	--
01/17-20/11	101.95	--	10.07	0.00	91.88	**4,300**	**1,800**	**1,600**	**25**	0.7	2	2	--
05/10-12/11	101.95	--	10.19	0.00	91.76	**8,100**	**1,100**	**3,100**	**52**	2	3	6	--
05/07-08/12	101.95	--	10.41	0.00	91.54	250	<68	**1,900**	**25**	0.8	2	3	--
11/12-14/12	101.95	--	11.65	0.00	90.30	290	<72	**2,700**	**30**	0.8	2	3	--
MW-6													
11/03/86	113.71	22.03	24.29	2.26	91.23	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
09/90	113.38	21.14	21.95	0.81	92.08	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
03/26-28/91	113.38	20.55	21.22	0.67	92.70	--	--	--	**25,000**	**29,000**	2,500	**19,000**	--
06/25/93	113.38	--	21.00	0.00	92.38	--	--	--	--	--	--	--	--
07/07/93	113.38	20.70	22.30	1.60	92.36	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/95	113.38	--	NM	--	--	--	--	**62,000**	**12,000**	13,800	920	**5,690**	--
01/97	113.38	--	NM	--	--	--	--	**54,000**	**7,290**	12,400	2,340	**19,800**	--
07/24/02	113.32	--	19.76	0.00	93.56	**29,000**	<10,000	**31,000**	**8,900**	1,600	820	**4,200**	5.1
10/17-18/02	113.32	20.64	20.69	0.05	92.67	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21/03	113.32	21.71	21.74	0.03	91.60	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-6 (cont.)													
04/23-24/03	113.32	20.88	20.91	0.03	92.43	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
06/30-07/01/03	113.32	21.38	21.41	0.03	91.93	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/01-02/03	113.32	23.04	23.07	0.03	90.27	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21-23/04	113.32	INACCESSIBLE - JUNKED VEHICLE OVER WELL				--	--	--	--	--	--	--	--
04/29-30/04[11]	113.32	20.20	20.22	0.02	93.12	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
07/15-16/04	113.32	--	20.48	0.00	92.84	**3,800**	<500	**46,600**	**9,610**	3,190	758	**3,060**	1.69[13]
08/03/04	113.32	--	20.65	0.00	92.67	--	--	--	--	--	--	--	--
10/28-11/01/04	113.32	--	20.93	0.00	92.39	**9,200**	<96	**24,000**	**8,600**	2,800	690	**3,100**	--
01/24-31/05	113.32	--	20.38	0.00	92.94	**11,000**	<480	**5,600**	**220**	60	110	310	--
04/18-21/05	113.32	--	20.31	0.00	93.01	**7,700**	<1,000	**3,600**	**1,000**	120	110	360	--
07/27-28/05	113.32	--	20.39	0.00	92.93	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	113.32	--	20.79	0.00	92.53	--	--	--	--	--	--	--	--
02/22/06	113.32	--	19.49	0.00	93.83	--	--	--	--	--	--	--	--
04/17/06	113.32	--	26.22	0.00	87.10	--	--	--	--	--	--	--	--
08/09/06	113.32	--	25.85	0.00	87.47	**14,000**	<2,300	**15,000**	**1,900**	1,000	590	**1,700**	--
10/17/06	113.32	--	27.06	0.00	86.26	--	--	--	--	--	--	--	--
04/17/07	113.32	--	27.12	0.00	86.20	--	--	--	--	--	--	--	--
12/04/07	113.32	--	DRY	--	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28-05/01/08	113.12	--	22.28	0.00	90.84	**8,600**	**1,200**	360	3	0.7	5	3	--
11/10/08	113.12	--	20.93	0.00	92.19	**3,200**	<660	<50	0.6	<0.5	<0.5	<0.5	--
11/10/08 (D)	113.12	--	--	--	--	**3,200**	<660	<50	0.6	<0.5	<0.5	<0.5	--
04/13-16/09	113.12	--	20.18	0.00	92.94	**26,000**	**3,000**	**1,100**	**31**	0.8	<0.5	2	--
04/13-16/09 (D)	113.12	--	--	--	--	--	--	**1,000**	**30**	0.8	2	3	--
10/12-15/09	113.12	--	20.28	0.00	92.84	**5,100**	<660	**1,200**	16	1	0.5	2	--
10/12-15/09 (D)	113.12	--	--	0.00	--	--	--	**1,200**	16	0.9	<0.5	1	--
04/19-22/10	113.12	--	18.83	0.00	94.29	--[9]	--[9]	630	20	0.7	<0.5	0.6	--
04/19-22/10 (D)	113.12	--	--	--	--	--	--	650	**24**	0.9	0.6	1	--
01/17-20/11	113.12	--	18.24	0.00	94.88	**12,000**	**4,600**	90	4	<0.5	<0.5	<0.5	--
01/17-20/11 (D)	113.12	--	--	--	--	--	--	130	3	<0.5	<0.5	<0.5	--
05/10-12/11	113.12	--	18.32	0.00	94.80	**12,000**	**1,500**	600	12	0.7	1	0.9	--
05/10-12/11 (D)	113.12	--	--	--	--	--	--	560	12	0.6	1	0.9	--
05/07-08/12	113.12	--	18.50	0.00	94.62	**540**	<70	250	1	<0.5	<0.5	<0.5	--
05/07-08/12 (D)	113.12	--	--	--	--	--	--	<50	0.7	<0.5	<0.5	<0.5	--
11/12-14/12	113.12	--	19.74	0	93.38	**1,600**	190	370	9	1	2	3	--
11/12-14/12 (D)	113.12	--	--	--	--	--	--	100	4	<0.5	0.7	0.7	--
MW-6-FB													
11/10/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	--	--	--	--	--	--	--	<50	<0.5	0.9	<0.5	<0.5	--

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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-6-FB (cont)													
05/10-12/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/2-14/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
MW-9													
11/03/86	114.65	--	22.56	0.00	92.09	--	--	--	--	--	--	--	--
09/90	114.40	--	21.28	0.00	93.12	--	--	--	--	--	--	--	--
03/26-28/91	114.65	20.44	20.61	0.17	94.18	--	--	--	**1,600**	2,900	250	**3,100**	--
06/25/93	114.65	--	20.12	0.00	94.53	--	--	--	--	--	--	--	--
07/07/93	114.65	--	20.11	0.00	94.54	--	--	--	--	--	--	--	--
10/95	114.65	--	--	--	--	--	--	**3,400**	**3,520**	70 J	<200	312 J	--
01/97	114.65	--	--	--	--	--	--	**4,400**	**2,600**	53	310	285	--
04/97	114.65	--	--	--	--	--	--	**9,100**	**2,980**	173	413	674	--
07/97	114.65	--	--	--	--	--	--	**2,200 J**	**2,680**	127	460	620 J	--
11/97	114.65	--	--	--	--	--	--	**5,000**	**2,010**	80	334	400	--
12/15/99	114.65	--	--	--	--	**8,510**	<500	**4,460**	**831**	22.4	274	138	--
06/14/00	114.65	--	--	--	--	**6,070**	<500	**4,740**	**786**	26.0	274	156	--
10/17-18/02	114.27	--	20.88	0.00	93.39	**43,600**	**671**[5]	**6,380**	**493**	13.0	230	107	2.66
01/21/03	114.27	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/23-24/03	114.27	--	20.04	0.00	94.23	**3,680**	<500	**6,760**	**388**	15.9	277	105	1.31[13]
06/30-07/01/03	114.27	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	114.27	--	21.26	0.00	93.01	**33,000**	<5,000	**3,500**	**110**	30	100	<100	3.9[13]
01/21-23/04	114.27	--	20.36	0.00	93.91	**100,000**	<5,100	**2,300**	7.2	2.4	45	19	5.5[13]
04/29-30/04	114.27	--	20.38	0.00	93.89	**92,000**	<5,000	**1,200**	2.0	1.2	10	7.8	4.8[13]
07/15-16/04	114.27	--	20.71	0.00	93.56	**2,540**	<500	**9,540**	3.84	10.4	25.9	31.6	2.54[13]
08/03/04	114.27	--	20.92	0.00	93.35	--	--	--	--	--	--	--	--
10/28-11/01/04	114.27	--	21.22	0.00	93.05	**3,900**	420	300	1.4	0.5	1.9	<3.0	--
01/24-31/05	114.27	--	20.66	0.00	93.61	**140,000**	<5,300	730	1.7	<1.0	2.7	<6.0	--
04/18-21/05	114.27	--	20.59	0.00	93.68	**14,000**	<630	480	1.4	<1.0	5.7	3.1	--
07/27-28/05	114.27	--	20.65	0.00	93.62	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	114.27	--	21.29	0.00	92.98	NOT SAMPLED		--	--	--	--	--	--
02/22/06	114.27	--	19.75	0.00	94.52	--	--	--	--	--	--	--	--
04/17/06	114.27	--	22.55	0.00	91.72	--	--	--	--	--	--	--	--
08/09/06	114.27	--	22.80	0.00	91.47	**2,700**	<540	450	**66**	1.9	0.8	47	--
10/17/06	114.27	--	24.12	0.00	90.15	--	--	--	--	--	--	--	--
04/17/07	114.27	--	23.37	0.00	90.90	--	--	--	--	--	--	--	--
12/04-05/07	114.27	--	23.15	0.00	91.12	**2,200**	280	<50	<0.5	<0.5	<0.5	<1.5	--
05/01/08	114.27	--	NOT SAMPLED, FILLED WITH MUD				--	--	--	--	--	--	--
11/10/08	114.27	--	21.29	0.00	92.98	**2,000**	97	130	0.5	<0.5	<0.5	<0.5	--
04/13-16/09	114.27	--	24.60	0.00	89.67	**1,100**	69	160	0.7	<0.5	<0.5	<0.5	--

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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-9 (cont.)													
10/12-15/09	114.27	--	20.67	0.00	93.60	**960**	<66	83	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	114.27	--	19.04	0.00	95.23	**1,200**	190	130	1	<0.5	<0.5	<0.5	--
01/17-20/11	114.27	--	18.65	0.00	95.62	**6,400**	**1,400**	280	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	114.27	--	18.68	0.00	95.59	**2,200**	260	160	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	114.27	--	18.88	0.00	95.39	**1,500**	<67	230	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	114.27	--	20.09	0.00	94.18	**2,700**	150	190	<0.5	<0.5	<0.5	<0.5	--
MW-10													
11/03/86	115.75	--	14.84	0.00	100.91	--	--	--	--	--	--	--	--
09/90	115.49	--	14.75	0.00	100.74	--	--	--	--	--	--	--	--
03/26-28/91	115.75	--	13.14	0.00	102.61	--	--	--	<5	<5	<5	<5	--
03/26-28/91(D)	115.75	--	--	--	--	--	--	--	<5	<5	<5	<5	--
06/25/93	115.75	--	13.63	0.00	102.12	--	--	--	--	--	--	--	--
07/07/93	115.75	--	13.81	0.00	101.94	--	--	380	13	<5.0	11	24	--
10/95	115.75	--	--	--	--	--	--	780	1.8	2.9	0.82 J	5.6	--
01/97	115.75	--	--	--	--	--	--	180	1.5	<1	<1	<2	--
04/97	115.75	--	--	--	--	--	--	420	5.1	1	<1	2.0 J	--
07/97	115.75	--	--	--	--	--	--	**1,100**	10	2.1	2.4	4.34 J	--
11/97	115.75	--	--	--	--	--	--	**1,000**	4.2	2	4.8	2.2 J	--
09/09/99	115.75	--	13.36	0.00	102.39	--	--	--	--	--	--	--	--
12/15/99	115.75	--	--	--	--	353	<500	618	7.02	<0.910	<0.850	<4.22	--
06/14/00	115.75	--	--	--	--	<250	<500	99.2	1.56	ND	ND	ND	--
07/24/02	115.28	--	13.14	0.00	102.14	320	**600**	240	2.5	<0.50	<1.0	<1.5	1.3
10/17-18/02	115.28	--	13.59	0.00	101.69	**667**	<500	490	3.42	<0.500	1.34	5.00	<1.00
01/21/03	115.28	--	12.46	0.00	102.82	<250	<500	416	3.44	0.550	0.519	3.24	<1.00
04/23-24/03	115.28	--	11.76	0.00	103.52	--[9]	--[9]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
06/30-07/01/03	115.28	--	12.91	0.00	102.37	<250	<500	255	2.01	<0.500	0.535	2.53	<1.00[13]
10/01-02/03	115.28	--	13.68	0.00	101.60	<250	<250	190	2.6	<0.5	0.5	<3.0	<1.2[13]
01/21-23/04	115.28	--	11.99	0.00	103.29	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	115.28	--	13.23	0.00	102.05	<250	<250	<50	1.5	<0.5	<0.5	<1.5	<0.99[13]
07/15-16/04	115.28	--	13.44	0.00	101.84	<250	<500	362	2.75	<0.500	0.549	3.45	<1.00[13]
08/03/04	115.28	--	13.53	0.00	101.75	--	--	--	--	--	--	--	--
10/28-11/01/04	115.28	--	13.31	0.00	101.97	<82	<100	210	4.1	<0.5	1.2	2.1	--
01/24-31/05	115.28	--	12.36	0.00	102.92	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	115.28	--	12.70	0.00	102.58	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	115.28	--	13.39	0.00	101.89	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	115.28	--	13.11	0.00	102.17	--	--	--	--	--	--	--	--
02/22/06	115.28	--	11.84	0.00	103.44	--	--	--	--	--	--	--	--
04/17/06	115.28	--	14.66	0.00	100.62	--	--	--	--	--	--	--	--
10/17/06	115.28	--	14.68	0.00	100.60	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

FORMER TEXACO SERVICE STATION NO. 211577

631 Queen Anne Avenue North

Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-10 (cont.)													
04/17-19/07	115.28	--	13.05	0.00	102.23	<75	<94	100	1.4	<0.5	<0.5	<1.5	--
12/04-05/07	115.28	--	14.33	0.00	100.95	<78	<98	150	2.0	<2.0	0.9	<5.0	--
04/28-05/01/08	115.28	--	12.71[5]	0.00	102.57	<77	<97	<50	0.8	<0.5	<0.5	<0.5	--
11/10/08	115.28	--	12.66	0.00	102.62	<30	<69	<50	0.7	<0.5	<0.5	<0.5	--
04/13-16/09	115.28	--	12.11	0.00	103.17	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	115.28	--	12.23	0.00	103.05	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	115.28	--	11.93	0.00	103.35	<31	<73	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	115.28	--	10.62	0.00	104.66	<59[19]	250[19]	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	115.28	--	12.02	0.00	103.26	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	115.28	--	11.92	0.00	103.36	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	115.27	--	12.28	0.00	102.99	<30	230	180	<0.5	<0.5	<0.5	<0.5	--
MW-11													
03/26-28/91	97.32	--	11.70	0.00	85.62	--	--	--	<5	<5	<5	<5	--
07/24/02	--	--	11.16	0.00	--	<250	<250	<50	<0.50	<0.50	<0.50	<1.5	<1.2
10/17-18/02	--	--	11.43	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
01/21/03	--	--	11.29	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03	--	--	11.09	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
06/30-07/01/03	--	--	11.39	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
10/01-02/03	--	--	12.10	0.00	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
01/21-23/04	--	--	11.69	0.00	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	--	--	11.41	0.00	--	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<0.99[13]
07/15-16/04	--	--	11.58	0.00	--	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
08/03/04	97.32	--	11.65	0.00	85.67	NOT SAMPLED		--	--	--	--	--	--
10/28-11/01/04	97.32	--	11.73	0.00	85.59	<78	<98	<50	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	97.32	--	11.35	0.00	85.97	NOT SAMPLED		--	--	--	--	--	--
04/18-21/05	97.32	--	11.41	0.00	85.91	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	97.32	--	11.44	0.00	85.88	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	97.32	--	11.52	0.00	85.80	--	--	--	--	--	--	--	--
04/17/06	97.32	--	11.29	0.00	86.03	--	--	--	--	--	--	--	--
08/08/06	97.32	--	11.26	0.00	86.06	--	--	--	--	--	--	--	--
10/17/06	97.32	--	11.39	0.00	85.93	--	--	--	--	--	--	--	--
04/17/07	97.32	--	11.29	0.00	86.03	--	--	--	--	--	--	--	--
12/04/07	97.32	NOT SAMPLED, OBSTRUCTION IN WELL AT 10.98 FEET BGS						--	--	--	--	--	--
04/28/08	97.32	NOT SAMPLED, OBSTRUCTION IN WELL AT 11.01 FEET BGS						--	--	--	--	--	--
11/03/08	97.32	NOT SAMPLED, OBSTRUCTION IN WELL AT 11 FEET BGS						--	--	--	--	--	--
04/13-16/09	97.32	OBSTRUCTION IN WELL		--	--	--	--	--	--	--	--	--	--
10/12-15/09	97.32	OBSTRUCTION IN WELL		--	--	--	--	--	--	--	--	--	--
04/19-22/10	97.32	OBSTRUCTION IN WELL		--	--	--	--	--	--	--	--	--	--
01/17-20/11	97.32	OBSTRUCTION IN WELL		--	--	--	--	--	--	--	--	--	--
05/10-12/11	97.32	OBSTRUCTION IN WELL		--	--	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-11 (cont)													
05/07-08/12	97.32	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
11/12-14/12	97.32	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
MW-12													
10/17-18/02	113.36	--	12.22	0.00	101.14	<250	<500	<50.0	0.516	0.869	<0.500	<1.00	--
01/21/03	113.36	--	11.72	0.00	101.64	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03	113.36	--	11.04	0.00	102.32	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
06/30-07/01/03	113.36	--	11.32	0.00	102.04	**1,690**	<500	**1,040**	2.91	1.05	10.0	26.5	<1.00[13]
10/01-02/03	113.36	--	12.12	0.00	101.24	470	<250	69	1.2	<0.5	<0.5	<1.5	<1.2[13]
01/21-23/04	113.36	--	10.02	0.00	103.34	**1,500**	**5,700**	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	113.36	--	10.59	0.00	102.77	260	440	<50	<0.5	<0.5	<0.5	<1.5	<0.99[13]
07/15-16/04	113.36	--	11.44	0.00	101.92	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
08/03/04	113.36	--	12.55	0.00	100.81	NOT SAMPLED		--	--	--	--	--	--
10/28-11/01/04	113.36	--	12.03	0.00	101.33	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	113.36	--	12.22	0.00	101.14	NOT SAMPLED		--	--	--	--	--	--
04/18-21/05	113.36	--	12.27	0.00	101.09	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	113.36	--	12.31	0.00	101.05	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	113.36	--	12.29	0.00	101.07	NOT SAMPLED		--	--	--	--	--	--
02/22/06	113.36	--	10.70	0.00	102.66	--	--	--	--	--	--	--	--
04/17/06	113.36	--	11.53	0.00	101.83	--	--	--	--	--	--	--	--
10/17/06	113.36	--	12.60	0.00	100.76	--	--	--	--	--	--	--	--
04/17/07	113.36	--	12.14	0.00	101.22	--	--	--	--	--	--	--	--
12/04/07	113.36	--	12.38	0.00	100.98	--	--	--	--	--	--	--	--
04/28/08	113.36	--	12.05[16]	0.00	101.31	--	--	--	--	--	--	--	--
11/03/08	113.36	--	12.16	0.00	101.20	--	--	--	--	--	--	--	--
04/13-16/09	113.36	--	11.71	0.00	101.65	--	--	--	--	--	--	--	--
10/12-15/09	113.36	--	11.99	0.00	101.37	--	--	--	--	--	--	--	--
04/19-22/10	113.36	--	11.28	0.00	102.08	--	--	--	--	--	--	--	--
01/17-20/11	113.36	--	11.02	0.00	102.34	--	--	--	--	--	--	--	--
05/10-12/11	113.36	--	11.43	0.00	101.93	--	--	--	--	--	--	--	--
05/07-08/12	113.36	--	10.90	0.00	102.46	--	--	--	--	--	--	--	--
11/12-14/12	113.36	--	11.10	0.00	102.26	--	--	--	--	--	--	--	--
MW-13													
10/17-18/02	114.80	--	19.31/DRY	0.00	95.49	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21/03	114.80	--	19.01/DRY	0.00	95.79	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/23-24/03	114.80	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
06/30-07/01/03	114.80	--	18.72	0.00	96.08	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
10/01-02/03	114.80	--	19.32/DRY	0.00	95.48	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21-23/04	114.80	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
04/29-30/04	114.80	--	18.72	0.00	96.08	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
07/15-16/04	114.80	--	19.16	0.00	95.64	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]

FORMER TEXACO SERVICE STATION NO. 211577

631 Queen Anne Avenue North

Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-13 (cont.)													
08/03/04	114.80	--	19.26	0.00	95.54	--	--	--	--	--	--	--	--
10/28-11/01/04	114.80	--	19.37	0.00	95.43	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/24-31/05	114.80	--	19.19	0.00	95.61	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/18-21/05	114.80	--	18.97	0.00	95.83	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	114.80	--	19.06	0.00	95.74	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	114.80	--	19.40	0.00	95.40	NOT SAMPLED		--	--	--	--	--	--
02/22/06	114.80	--	18.03	0.00	96.77	--	--	--	--	--	--	--	--
04/17/06	114.80	--	19.45	0.00	95.35	--	--	--	--	--	--	--	--
10/17/06	114.80	--	19.28	0.00	95.52	--	--	--	--	--	--	--	--
04/17/07	114.80	--	19.62	0.00	95.18	--	--	--	--	--	--	--	--
12/04/07	114.80	--	19.53	0.00	95.27	--	--	--	--	--	--	--	--
04/28/08	114.80	--	19.25[16]	0.00	95.55	--	--	--	--	--	--	--	--
11/03/08	114.80	--	19.08	0.00	95.72	--	--	--	--	--	--	--	--
04/13-16/09	114.80	--	18.18	0.00	96.62	--	--	--	--	--	--	--	--
10/12-15/09	114.80	--	18.43	0.00	96.37	--	--	--	--	--	--	--	--
04/19-22/10	114.80	--	17.08	0.00	97.72	--	--	--	--	--	--	--	--
01/17-20/11	114.80	--	16.80	0.00	98.00	--	--	--	--	--	--	--	--
05/10-12/11	114.80	--	16.52	0.00	98.28	--	--	--	--	--	--	--	--
05/07-08/12	114.80	--	16.87	0.00	97.93	--	--	--	--	--	--	--	--
11/12-14/12	114.80	--	17.98	0.00	96.82	--	--	--	--	--	--	--	--
MW-14													
10/17-18/02	101.64	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02	101.64	--	11.88	0.00	89.76	**4,710**	<500	**43,100**[6]	**9,900**[6]	4,930[6]	1,540[6]	**6,020**[6]	1.82
01/21/03	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/23-24/03	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/14/03	101.64	--	--	--	--	**2,100**	130	**69,000**	**12,000**	9,900	1,600	**7,900**	--
01/21-23/04	101.64	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/29-30/04	101.64	--	11.12	0.00	90.52	**1,500**	<250	**27,000**	**4,800**	2,500	910	**3,300**	<0.99[13]
07/15-16/04	101.64	--	11.46	0.00	90.18	**836**[7]	<500	**61,800**	**10,400**	5,550	1,350	**5,890**	<1.00[13]
10/26-27/04	101.64	--	--	--	--	<800	<1,000	**57,000**	**13,000**	11,000	1,500	**8,300**	--
10/28-11/01/04	101.64	--	11.94	0.00	89.70	--	--	--	--	--	--	--	--
01/24-31/05	101.64	--	11.37	0.00	90.27	470	<250	**24,000**	**4,400**	2,300	760	**3,300**	--
04/18-21/05	101.64	--	11.19	0.00	90.45	**1,500**	<250	**23,000**	**5,000**	2,500	860	**3,700**	--
07/27-28/05	101.64	--	11.36	0.00	90.28	**2,300**	<250	**24,000**	**5,000**	2,200	760	**3,300**	--
11/08-10/05	101.64	--	11.82	0.00	89.82	**2,600**	<520	**37,000**	**8,900**	4,600	1,100	**4,900**	--
04/17/06	101.56	--	11.26	0.00	90.30	**1,900**	<100	**40,000**	**4,400**	3,300	1,300	**7,200**	--
08/08/06	101.56	--	13.10	0.00	88.46	**6,800**	<1,000	**52,000**	**4,200**	3,900	1,500	**8,600**	--
10/17/06	101.56	--	13.65	0.00	87.91	--	--	--	--	--	--	--	--

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TABLE 1
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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-14 (cont.)													
04/17/07	101.56	--	15.54	0.00	86.02	**1,600**	<100	**11,000**	**920**	120	590	**1,300**	--
12/04/07	101.56	--	17.99	0.00	83.57	**3,400**	<470	**3,300**	**48**	5.6	200	16	--
04/28/08	101.56	--	16.92[16]	0.00	84.64	**1,400**	<99	**1,200**	**61**	4	140	21	--
11/04/08	101.56	--	13.66	0.00	87.90	**2,900**	<130	**8,400**	**38**	3	44	6	--
04/13-16/09	101.56	--	12.03	0.00	89.53	**8,800**	<660	**6,200**	15	3	11	4	--
10/12-15/09	101.56	--	12.21	0.00	89.35	**5,200**	<700	**4,000**	13	2	8	3	--
04/19-22/10	101.56	--	10.41	0.00	91.15	**3,200**	350	**1,600**	16	2	7	2	--
01/17-20/11	101.56	--	9.94	0.00	91.62	**3,300**	**840**	**3,000**	12	2	3	2	--
05/10-12/11	101.56	--	9.87	0.00	91.69	**2,500**	350	**3,400**	11	3	3	8	--
05/07-08/12	101.56	--	10.17	0.00	91.39	**550**	<67	**6,600**	14	5	25	120	--
11/12-14/12	101.56	--	11.41	0.00	90.15	**500**	<70	**4,500**	13	5	18	110	--
MW-15													
10/17-18/02	99.03	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02	99.03	--	9.44	0.00	89.59	**780**	<500	**3,280**	**1,640**	5.23	5.06	<10.0	1.04
01/21/03	99.03	--	9.29	0.00	89.74	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03	99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	99.03	--	9.72	0.00	89.31	410	<250	**810**	**1,700**	60	48	110	<1.2[13]
01/21-23/04	99.03	--	8.94	0.00	90.09	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	99.03	--	8.19	0.00	90.84	**700**	390	<50	<0.5	<0.5	<0.5	<1.5	<0.99[13]
07/15-16/04	99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
08/03/04	99.03	--	13.82	0.00	85.21	--	--	--	--	--	--	--	--
10/26-27/04	99.03	--	--	--	--	<800	<1,000	**1,700**	**230**	99	99	260	--
10/28-11/01/04	99.03	--	9.65	0.00	89.38	--	--	--	--	--	--	--	--
01/24-31/05	99.03	--	9.00	0.00	90.03	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	99.03	--	8.98	0.00	90.05	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	99.03	--	9.31	0.00	89.72	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
02/22/06	99.03	--	8.21	0.00	90.82	--	--	--	--	--	--	--	--
04/17/06	99.03	--	8.67	0.00	90.36	--	--	--	--	--	--	--	--
10/18/06	99.03	--	11.12	0.00	87.91	--	--	--	--	--	--	--	--
04/17/07	99.03	--	13.81	0.00	85.22	<82	<100	<50	<0.5	<0.5	<0.5	<1.5	--
12/04/07	99.03	--	16.46	0.00	82.57	<76	<95	<50	0.9	<0.5	<0.5	<1.5	--
04/28/08	99.03	--	14.68[16]	0.00	84.35	--	--	--	--	--	--	--	--
12/11/08[17]	99.03	--	11.35	0.00	87.68	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	99.03	--	9.79	0.00	89.24	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	99.03	--	10.11	0.00	88.92	**980**	<69	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	99.03	--	8.85	0.00	90.18	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	99.03	--	8.02	0.00	91.01	100[19]	370[19]	<50	<0.5	<0.5	<0.5	<0.5	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-15 (cont)													
05/10-12/11	99.03	--	7.76	0.00	91.27	<32	<75	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	99.03	--	8.00	0.00	91.03	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	99.03	--	9.10	0.00	89.93	<30	<70	<50	2	<0.5	<0.5	0.6	--
MW-16													
10/17-18/02	101.83	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02	101.83	--	12.36	0.00	89.47	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
01/21/03	101.83	--	11.88	0.00	89.95	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/14/03	101.83	--	--	--	--	<160	<200	740	**26**	1.0	3.8	3.6	--
01/21-23/04	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/29-30/04	101.83	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
05/03/04	101.83	--	--	--	--	<75	<94	150	2.1	<0.5	1.7	<1.5	--
07/15-16/04	101.83	--	11.89	0.00	89.94	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[13]
08/03/04	101.83	--	12.03	0.00	89.80	--	--	--	--	--	--	--	--
10/26-27/04	101.83	--	--	--	--	<800	<1,000	220	9.1	1.1	5.7	2.3	--
10/28-11/01/04	101.83	--	12.42	0.00	89.41	--	--	--	--	--	--	--	--
01/24-31/05	101.83	--	11.91	0.00	89.92	<250	<250	210	8.4	1	6.0	3.2	--
04/18-21/05	101.83	--	11.69	0.00	90.14	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	101.83	--	11.81	0.00	90.02	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	101.83	--	12.36	0.00	89.47	<79	<99	<48	0.9	<0.5	0.7	<1.5	--
04/17/06	101.75	--	11.59	0.00	90.16	<81	100	<48	<0.5	<0.5	<0.5	<1.5	--
08/08/06	101.75	--	13.33	0.00	88.42	--	--	--	--	--	--	--	--
10/17/06	101.75	--	14.08	0.00	87.67	--	--	--	--	--	--	--	--
04/17/07	101.75	--	16.24	0.00	85.51	--	--	--	--	--	--	--	--
12/04/07	101.75	--	18.33	0.00	83.42	--	--	--	--	--	--	--	--
04/28-05/02/08	101.75	--	17.49[16]	0.00	84.26	<79	<99	<50	<0.5	<0.5	<0.5	<0.5	--
11/06/08	101.75	--	14.13	0.00	87.62	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	101.75	--	12.48	0.00	89.27	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	101.75	--	12.65	0.00	89.10	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	101.75	--	10.85	0.00	90.90	<31	<73	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	101.75	--	10.25	0.00	91.50	53	290	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	101.75	--	10.24	0.00	91.51	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	101.75	--	10.55	0.00	91.20	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	101.75	--	11.80	0.00	89.95	<29	<68	<50	<0.5	<0.5	<0.5	<0.5	--
MW-17													
10/17-18/02	99.29	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02	99.29	--	10.00	0.00	89.29	<250	<500	**2,780**	**569**	31.0	91.1	250	<1.00
01/21/03	99.29	--	9.62	0.00	89.67	<250	<500	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-17 (cont.)													
04/23-24/03	99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
06/30-07/01/03	99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
10/01-02/03	99.29	--	10.30	0.00	88.99	<250	<250	**1,100**	**420**	69	38	130	<1.2[13]
01/21-23/04	99.29	--	9.48	0.00	89.81	<250	<250	<50	1.6	<0.5	<0.5	<1.5	<1.2[13]
04/29-30/04	99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
05/03/04	99.29	--	--	--	--	190	<95	**2,300**	**370**	20	89	100	--
07/15-16/04	99.29	--	9.81	0.00	89.48	<250	<500	**1,310**	**171**	8.98	43.1	83.5	**23.7**[13]
08/03/04	99.29	--	9.90	0.00	89.39	--	--	--	--	--	--	--	--
10/28-11/01/04	99.29	--	10.11	0.00	89.18	<400	<500	**5,600**	**1,900**	280	230	700	--
01/24-31/05	99.29	--	9.42	0.00	89.87	<250	<250	310	**160**	4.9	17	27	--
02/17/05	99.29	--	9.37	0.00	89.92	<76	<95	**1,000**	**320**	12	41	52	--
04/18-21/05	99.29	--	9.32	0.00	89.97	<250	750	<50	18	0.6	<0.5	<3.0	--
07/27-28/05	99.29	--	9.64	0.00	89.65	<250	<250	730	**230**	9.3	17	26	--
11/08-10/05	99.29	--	9.98	0.00	89.31	<76	<95	110	**65**	2.0	1.5	4.9	--
04/17-19/06	99.29	--	9.26	0.00	90.03	<79	<98	<48	0.7	<0.5	<0.5	<1.5	--
08/08/06	99.29	--	10.98	0.00	88.31	--	--	**1,200**	**400**	41	39	130	--
10/17/06	99.29	--	11.65	0.00	87.64	--	--	--	--	--	--	--	--
04/17/07	99.29	--	14.21	0.00	85.08	490	<100	**4,500**	**1,100**	26	300	350	--
12/04/07	99.29	--	17.02	0.00	82.27	95	<96	690	**42**	2.4	58	55	--
04/28-05/01/08	99.29	--	15.24[16]	0.00	84.05	<82	<100	190	**32**	<0.5	19	0.6	--
11/06/08	99.29	--	11.73	0.00	87.56	160	<70	67	22	<0.5	<0.5	<0.5	--
11/6/08 (D)	99.29	--	--	--	--	150	<66	110	**30**	0.6	<0.5	<0.5	--
04/13-16/09	99.29	--	10.15	0.00	89.14	150	<77	<50	5	<0.5	<0.5	<0.5	--
04/13-16/09 (D)	--	--	--	--	--	--	--	<50	3	<0.5	<0.5	<0.5	--
10/12-15/09	99.29	--	10.43	0.00	88.86	290	<68	81	3	<0.5	<0.5	<0.5	--
10/12-15/09 (D)	--	--	--	--	--	--	--	89	3	<0.5	<0.5	<0.5	--
04/19-22/10	99.29	--	8.81	0.00	90.48	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	99.29	--	8.13	0.00	91.16	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	99.29	--	8.24	0.00	91.05	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	99.29	--	8.40	0.00	90.89	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	99.29	--	9.52	0.00	89.77	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12 (D)	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
MW-17-FB													
11/06/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	--	--	--	--	--	--	--	<50	<0.5	1	<0.5	<0.5	--
05/10-12/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-17-FB (cont)													
05/07-08/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
MW-18													
04/29-30/04	--	--	10.95	0.00	--	**1,700**	<250	**76,000**	**9,200**	11,000	1,400	**8,400**	<0.99[13]
08/03/04	101.52	--	11.66	0.00	89.86	--	--	--	--	--	--	--	--
10/28-11/01/04	101.52	--	11.72	0.00	89.80	230	<97	**42,000**	**4,700**	5,400	860	**4,300**	--
01/24-31/05	101.52	--	11.10	0.00	90.42	270	<250	**24,000**	**2,800**	3,400	600	**3,100**	--
04/18-21/05	101.52	--	10.91	0.00	90.61	**1,500**	<250	**20,000**	**2,500**	3,200	540	**2,900**	--
07/27-28/05	101.52	--	11.22	0.00	90.30	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	101.52	--	11.53	0.00	89.99	NOT SAMPLED		--	--	--	--	--	--
02/22/06	101.52	--	9.83	0.00	91.69	--	--	--	--	--	--	--	--
04/17/06	101.52	--	10.93	0.00	90.59	--	--	--	--	--	--	--	--
08/08/06	101.52	--	12.65	0.00	88.87	--	--	**1,100**	**210**	74	43	130	--
10/17/06	101.52	--	13.29	0.00	88.23	--	--	--	--	--	--	--	--
04/17/07	101.52	--	15.51	0.00	86.01	--	--	--	--	--	--	--	--
12/04/07	101.52	--	20.30	0.00	81.22	--	--	--	--	--	--	--	--
04/28-29/08	101.52	--	16.76[16]	0.00	84.76	190	<98	200	**140**	<0.5	<0.5	<0.5	--
12/11/08[17]	101.52	--	13.45	0.00	88.07	**1,900**	<67	790	**32**	0.9	1	1	--
04/13-16/09	101.52	--	11.81	0.00	89.71	**7,600**	<390	530	4	0.5	<0.5	1	--
10/12-15/09	101.52	--	12.13	0.00	89.39	**590**	<66	310	8	<0.5	<0.5	<0.5	--
04/19-22/10	101.52	--	10.25	0.00	91.27	**1,000**	<75	91	3	<0.5	<0.5	<0.5	--
01/17-20/11	101.52	--	9.73	0.00	91.79	270	270	<50	0.6	<0.5	<0.5	<0.5	--
05/10-12/11	101.52	--	9.83	0.00	91.69	280	<71	220	11	<0.5	<0.5	<0.5	--
05/07-08/12	101.52	--	10.00	0.00	91.52	<30	<69	<50	1	<0.5	<0.5	<0.5	--
11/12-14/12	101.52	--	11.25	0.00	90.27	37	<71	**1,500**	**48**	<5	<5	<5	--
MW-19													
04/29-30/04	--	--	10.63	0.00	--	**680**	<250	**18,000**	**1,700**	1,700	470	**2,400**	<0.99[13]
07/15-16/04	--	--	11.04	0.00	--	--	--	--	--	--	--	--	--
08/03/04	101.18	--	11.31	0.00	89.87	--	--	--	--	--	--	--	--
10/28-11/01/04	101.18	--	11.41	0.00	89.77	270	<100	**21,000**	**1,900**	1,400	880	**3,500**	--
01/24-31/05	101.18	--	10.78	0.00	90.40	280	<250	**25,000**	**1,700**	1,500	940	**3,700**	--
04/18-21/05	101.18	--	10.61	0.00	90.57	**1,200**	<250	**23,000**	**1,.900**	1,400	1,000	**3,800**	--
07/27-28/05	101.18	--	10.92	0.00	90.26	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	101.18	--	11.25	0.00	89.93	NOT SAMPLED		--	--	--	--	--	--
02/22/06	101.18	--	9.55	0.00	91.63	--	--	--	--	--	--	--	--
04/17/06	101.18	--	10.61	0.00	90.57	--	--	--	--	--	--	--	--
10/17/06	101.18	--	12.93	0.00	88.25	--	--	--	--	--	--	--	--
04/17/07	101.18	--	15.27	0.00	85.91	<75	<94	130	3.2	<0.5	<0.5	<1.5	--
12/04/07	101.18	--	19.80	0.00	81.38	<78	<98	<50	3.0	<0.5	<0.5	<1.5	--
04/28-29/08	101.18	--	16.45[16]	0.00	84.73	<78	<98	90	2	<0.5	<0.5	<0.5	--
11/03/08	101.18	--	13.14	0.00	88.04	--	--	--	--	--	--	--	--
04/13-16/09	101.18	--	11.50	0.00	89.68	--	--	--	--	--	--	--	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-19 (cont.)													
10/12-15/09	101.18	--	11.83	0.00	89.35	--	--	--	--	--	--	--	--
04/19-22/10	101.18	--	10.06	0.00	91.12	--	--	--	--	--	--	--	--
01/17-20/11	101.18	--	9.45	0.00	91.73	--	--	--	--	--	--	--	--
05/10-12/11	101.18	--	9.56	0.00	91.62	--	--	--	--	--	--	--	--
05/07-08/12	101.18	--	9.70	0.00	91.48	--	--	--	--	--	--	--	--
11/12-14/12	101.18	--	10.92	0.00	90.26	--	--	--	--	--	--	--	--
MW-20													
10/28-11/01/04	105.64	--	8.91	0.00	96.73	<80	220	<50	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	105.64	--	5.94	0.00	99.70	NOT SAMPLED		--	--	--	--	--	--
04/18-21/05	105.64	--	6.39	0.00	99.25	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	105.64	--	7.88	0.00	97.76	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	105.64	--	8.08	0.00	97.56	NOT SAMPLED		--	--	--	--	--	--
02/22/06	105.64	--	6.56	0.00	99.08	NOT SAMPLED		--	--	--	--	--	--
04/17/06	105.64	--	6.64	0.00	99.00	NOT SAMPLED		--	--	--	--	--	--
08/08/06	105.64	--	8.00	0.00	97.64	NOT SAMPLED		--	--	--	--	--	--
10/17/06	105.64	--	8.32	0.00	97.32	NOT SAMPLED		--	--	--	--	--	--
04/17/07	105.64	--	6.93	0.00	98.71	NOT SAMPLED		--	--	--	--	--	--
12/04/07	105.64	--	5.46	0.00	100.18	NOT SAMPLED		--	--	--	--	--	--
04/28/08	105.64	--	7.07[16]	0.00	98.57	NOT SAMPLED		--	--	--	--	--	--
11/03/08	105.64	--	8.10	0.00	97.54	NOT SAMPLED		--	--	--	--	--	--
04/13-16/09	105.64	--	6.51	0.00	99.13	--	--	--	--	--	--	--	--
10/12-15/09	105.64	--	8.13	0.00	97.51	--	--	--	--	--	--	--	--
04/19-22/10	105.64	--	7.10	0.00	98.54	--	--	--	--	--	--	--	--
01/17-20/11	105.64	--	5.39	0.00	100.25	--	--	--	--	--	--	--	--
05/10-12/11	105.64	--	6.98	0.00	98.66	--	--	--	--	--	--	--	--
05/07-08/12	105.64	--	6.52	0.00	99.12	--	--	--	--	--	--	--	--
11/12-14/12	105.64	--	7.92	0.00	97.72	--	--	--	--	--	--	--	--
MW-21													
08/03/04	94.76	--	25.89	0.00	68.87	--	--	--	--	--	--	--	--
08/12/04	94.76	--	25.89	0.00	68.87	140	160	120	**360**	<0.5	<0.5	3.1	<10
10/28-11/01/04	94.76	--	25.95	0.00	68.81	<800	<1,000	**31,000**	**5,200**	730	1,300	**4,500**	--
01/24-31/05	94.76	--	25.85	0.00	68.91	<250	<250	130	**230**	0.6	<0.5	4.3	--
02/17/05	94.76	--	25.82	0.00	68.94	<85	<110	130	**280**	<0.5	<0.5	<1.5	--
04/18-21/05	94.76	--	25.94	0.00	68.82	<250	<250	110	**230**	<0.5	<0.5	3.9	--
07/27-28/05	94.76	--	25.75	0.00	69.01	<250	<250	79	**220**	<0.5	<0.5	<3.0	--
11/08-10/05	94.76	--	25.96	0.00	68.80	<78	<97	110	**250**	<0.5	<0.5	<1.5	--
02/22/06	94.76	--	25.58	0.00	69.18	--	--	--	--	--	--	--	--
04/17/06	94.76	--	25.62	0.00	69.14	<79	<99	<48	**84**	<0.5	<0.5	<1.5	--
08/09/06	94.76	--	25.38	0.00	69.38	--	--	130	**170**	<0.5	<0.5	1.6	--
10/17/06	94.76	--	25.81	0.00	68.95	--	--	--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-21 (cont.)													
04/17-18/07	94.76	--	25.34	0.00	69.42	<81	<100	57	**130**	0.6	<0.5	<1.5	--
12/04-05/07	94.76	--	26.36	0.00	68.40	<76	<96	61	**140**	<0.5	<0.5	<1.5	--
04/28-05/01/08	94.76	--	26.42[16]	0.00	68.34	<78	<97	83	**160**	<0.5	<0.5	<0.5	--
11/06/08	94.76	--	26.23	0.00	68.53	<30	<70	79	**120**	<0.5	<0.5	<0.5	--
04/13-16/09	94.76	--	26.11	0.00	68.65	36	<78	89	**120**	<0.5	<0.5	<0.5	--
10/12-15/09	94.76	--	25.95	0.00	68.81	<29	<68	<50	**88**	<0.5	<0.5	<0.5	--
04/19-22/10	94.76	--	25.65	0.00	69.11	38	<70	67	**88**	<0.5	<0.5	<0.5	--
01/17-20/11	94.76	--	25.60	0.00	69.16	140	**630**	60	**100**	<0.5	<0.5	<0.5	--
05/10-12/11	94.76	--	25.40	0.00	69.36	89	<70	58	**82**	<0.5	<0.5	<0.5	--
05/07-08/12	94.76	--	25.65	0.00	69.11	<30	<70	<50	**70**	<0.5	<0.5	<0.5	--
11/12-14/12	94.76	--	25.76	0.00	69.00	<29	69	<50	**43**	<0.5	<0.5	<0.5	--
MW-22													
NOT MONITORED/SAMPLED, REPLACED BY WELL DPE-8, SEE DPE-8 FOR MW-22 DATA													
MW-23													
10/26-27/04	107.82	--	--	--	--	**42,000**	<5,000	**57,000**	--	--	--	--	--
10/28/04	107.82	--	9.64	0.00	98.18	--	--	--	--	--	--	--	--
10/28-11/01/04	107.82	--	13.50	0.00	94.32	--	--	--	--	--	--	--	--
01/24-31/05	107.82	--	5.32	0.00	102.50	**13,000**	<4,100	**19,000**	**190**	210	710	**3,600**	--
04/18-21/05	107.82	--	8.78	0.00	99.04	**2,400**	<250	**54,000**	**630**	7,000	1,700	**9,200**	--
07/27-28/05	107.82	--	9.71	0.00	98.11	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	107.82	--	9.69	0.00	98.13	NOT SAMPLED		--	--	--	--	--	--
04/17/06	107.82	--	9.91	0.00	97.91	--	--	--	--	--	--	--	--
04/18/07	107.82	--	9.17	0.00	98.65	**7,100**	<530	**3,500**	**27**	30	31	310	--
12/06/07	107.82	--	7.85	0.00	99.97	**7,200**	<940	310	<0.5	0.6	16	46	--
04/29/08	107.82	--	8.90[16]	0.00	98.92	--	--	--	--	--	--	--	--
11/03/08	107.82	--	9.44	0.00	98.38	--	--	--	--	--	--	--	--
04/13-16/09	107.82	--	7.93	0.00	99.89	--	--	--	--	--	--	--	--
10/12-15/09	107.82	--	9.14	0.00	98.68	--	--	--	--	--	--	--	--
04/19-22/10	107.82	--	8.02	0.00	99.80	--	--	--	--	--	--	--	--
01/17-20/11	107.82	--	6.82	0.00	101.00	--	--	--	--	--	--	--	--
05/10-12/11	107.82	--	6.63	0.00	101.19	--	--	--	--	--	--	--	--
05/07-08/12	107.82	--	7.20	0.00	100.62	--	--	--	--	--	--	--	--
11/12-14/12	107.82	--	9.09	0.00	98.73	--	--	--	--	--	--	--	--
MW-24													
10/26-27/04	107.95	--	--	--	--	<800	<1,000	500	--	--	--	--	--
10/28/04	107.95	--	6.41	0.00	101.54	--	--	--	--	--	--	--	--
10/28-11/01/04	107.95	--	14.20	0.00	93.75	--	--	--	--	--	--	--	--
01/24-31/05	107.95	--	5.58	0.00	102.37	<250	<250	<50	<0.5	0.6	<0.5	1.6	--
04/18-21/05	107.95	--	4.76	0.00	103.19	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	107.95	--	6.68	0.00	101.27	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	107.95	--	4.84	0.00	103.11	NOT SAMPLED		--	--	--	--	--	--

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TABLE 1
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631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-24 (cont.)													
02/22/06	107.95	--	5.81	0.00	102.14	--	--	--	--	--	--	--	--
04/17/06	107.95	--	5.55	0.00	102.40	--	--	--	--	--	--	--	--
04/17/07	107.95	--	5.63	0.00	102.32	--	--	--	--	--	--	--	--
12/04/07	107.95	--	4.61	0.00	103.34	--	--	--	--	--	--	--	--
04/28/08	107.95	--	4.96[16]	0.00	102.99	--	--	--	--	--	--	--	--
11/03/08	107.95	--	4.65	0.00	103.30	--	--	--	--	--	--	--	--
04/13-16/09	107.95	--	4.65	0.00	103.30	--	--	--	--	--	--	--	--
10/12-15/09	107.95	--	5.82	0.00	102.13	--	--	--	--	--	--	--	--
04/19-22/10	107.95	--	5.40	0.00	102.55	--	--	--	--	--	--	--	--
01/17-20/11	107.95	--	4.62	0.00	103.33	--	--	--	--	--	--	--	--
05/10-12/11	107.95	--	5.65	0.00	102.30	--	--	--	--	--	--	--	--
05/07-08/12	107.95	--	4.85	0.00	103.10	--	--	--	--	--	--	--	--
11/12-14/12	107.95	--	4.82	0.00	103.13	--	--	--	--	--	--	--	--
MW-25													
10/26-27/04	--	--	--	--	--	260	<99	**11,000**	--	--	--	--	--
10/28-11/01/04	101.96	--	12.36	0.00	89.60	--	--	--	--	--	--	--	--
01/24-31/05	101.96	--	11.81	0.00	90.15	440	<250	**7,400**	6.8	42	160	**1,100**	--
04/18-21/05	101.96	--	11.63	0.00	90.33	**2,800**	<250	**22,000**	17	300	750	**3,900**	--
07/27-28/05	101.96	--	11.73	0.00	90.23	**2,400**	<250	**22,000**	<20	210	630	**3,100**	--
11/08-10/05	101.96	--	12.23	0.00	89.73	**870**	<100	**14,000**	<20	59	450	**1,600**	--
02/22/06	101.96	--	10.50	0.00	91.46	--	--	--	--	--	--	--	--
04/17/06	101.96	--	11.65	0.00	90.31	**520**	<100	780	<2.0	2.9	14	49	--
08/08/06	101.96	--	13.39	0.00	88.57	**1,100**	210	**6,300**	19	31	240	650	--
10/17/06	101.96	--	14.06	0.00	87.90	--	--	--	--	--	--	--	--
04/17/07	101.96	--	16.00	0.00	85.96	**1,200**	<110	**1,900**	7	13	55	97	--
12/04/07	101.96	--	18.05	0.00	83.91	**2,000**	<100	**2,400**	10	2.9	73	47	--
04/28/08	101.96	--	17.34[16]	0.00	84.62	120	<96	250	1	0.7	11	0.9	--
11/04/08	101.96	--	14.08	0.00	87.88	33	<72	150	2	<0.5	<0.5	<0.5	--
04/13-16/09	101.96	--	12.44	0.00	89.52	340	<66	190	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	101.96	--	12.62	0.00	89.34	440	<70	570	<0.5	<0.5	3	0.7	--
04/19-22/10	101.96	--	10.80	0.00	91.16	**540**	93	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	101.96	--	10.28	0.00	91.68	**670**	180	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	102.96	--	10.20	0.00	92.76	**560**	180	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	102.96	--	10.54	0.00	92.42	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	102.96	--	11.80	0.00	91.16	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
MW-26													
10/28-11/01/04	100.47	--	11.18	0.00	89.29	**760**	<200	**57,000**	**8,300**	4,300	1,600	**8,700**	--
01/24-31/05	100.47	--	10.59	0.00	89.88	<250	<250	**3,100**	**310**	190	54	510	--
02/17/05	100.47	--	10.56	0.00	89.91	310	<95	**27,000**	**6,800**	1,900	990	**4,800**	--
04/18-21/05	100.47	--	10.39	0.00	90.08	<250	<250	**3,500**	**730**	320	100	660	--
07/27-28/05	100.47	--	10.55	0.00	89.92	270	<250	**5,100**	**1,200**	370	130	880	--

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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-26 (cont.)													
11/08-10/05	100.47	--	11.02	0.00	89.45	**1,200**	<94	**15,000**	**5,700**	850	590	**2,400**	--
02/22/06	100.47	--	9.32	0.00	91.15	--	--	--	--	--	--	--	--
04/17/06	100.47	--	10.35	0.00	90.12	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--
08/08/06	100.47	--	12.11	0.00	88.36	240	150	**4,900**	**1,200**	310	160	750	--
10/17/06	100.47	--	12.80	0.00	87.67	--	--	--	--	--	--	--	--
04/17-18/07	100.47	--	15.09	0.00	85.38	440	<100	**4,500**	**730**	63	230	660	--
12/04-05/07	100.47	--	18.05	0.00	82.42	400	<130	**3,400**	**1,000**	43	200	420	--
04/28-05/01/08	100.47	--	16.31[16]	0.00	84.16	280	<95	130	9	<0.5	4	<0.5	--
5/1/08 (D)	100.47	--	--	--	--	**630**	<99	140	10	<0.5	5	<0.5	--
11/06/08	100.47	--	12.82	0.00	87.65	**2,500**	<66	**1,100**	**450**	1	110	3	--
04/13-16/09	100.47	--	11.23	0.00	89.24	460	<66	<50	**26**	<0.5	11	<0.5	--
10/12-15/09	100.47	--	11.41	0.00	89.06	**1,200**	<69	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	100.47	--	9.64	0.00	90.83	41	<74	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	100.47	--	9.08	0.00	91.39	40	<71	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	100.47	--	9.08	0.00	91.39	57	<68	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	100.47	--	9.35	0.00	91.12	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	100.47	--	10.59	0.00	89.88	<28	<66	63	0.6	<0.5	<0.5	<0.5	--
MW-27													
01/24-31/05	97.26	--	29.81	0.00	67.45	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	97.26	--	29.85	0.00	67.41	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	97.26	--	29.86	0.00	67.40	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	97.26	--	29.91	0.00	67.35	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	97.26	--	29.91	0.00	67.35	--	--	--	--	--	--	--	--
04/17/06	97.26	--	29.69	0.00	67.57	--	--	--	--	--	--	--	--
10/18/06	97.26	--	29.90	0.00	67.36	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MW-28													
01/24-31/05	87.78	--	21.18	0.00	66.60	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
02/10/05	87.78	--	21.17	0.00	66.61	<79	<98	<48	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	87.78	--	21.22	0.00	66.56	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	87.78	--	21.26	0.00	66.52	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	87.78	--	21.32	0.00	66.46	--	--	--	--	--	--	--	--
04/17/06	87.78	--	21.19	0.00	66.59	--	--	--	--	--	--	--	--
10/18/06	87.78	--	21.28	0.00	66.50	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MW-29													
01/24-31/05	80.88	--	15.14	0.00	65.74	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	80.88	--	14.31	0.00	66.57	NOT SAMPLED		--	--	--	--	--	--
07/27-28/05	80.88	--	14.79	0.00	66.09	NOT SAMPLED		--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-29 (cont.)													
11/08-10/05	80.88	--	14.70	0.00	66.18	NOT SAMPLED		--	--	--	--	--	--
04/17/06	80.88	--	14.60	0.00	66.28	--	--	--	--	--	--	--	--
10/18/06	80.88	--	15.16	0.00	65.72	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MW-30													
02/10/05	91.81	--	24.70	0.00	67.11	<77	<96	<48	4.1	<0.5	<0.5	<1.5	--
04/18-21/05	91.81	--	24.76	0.00	67.05	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	91.81	--	24.72	0.00	67.09	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	91.81	--	24.82	0.00	66.99	<83	<100	<48	<0.5	<0.5	<0.5	<1.5	--
04/17/06	91.81	--	24.68	0.00	67.13	<80	<100	<50	<0.5	<0.5	<0.5	<1.5	--
10/17/06	91.81	--	24.80	0.00	67.01	--	--	--	--	--	--	--	--
04/17-18/07	91.81	--	24.72	0.00	67.09	<76	<94	<50	<0.5	<0.5	<0.5	<1.5	--
12/04-05/07	91.81	--	24.84	0.00	66.97	<75	<94	<50	<0.5	<0.5	<0.5	<1.5	--
04/28-30/08	91.81	--	24.81	0.00	67.00	<77	<97	<50	<0.5	<0.5	<0.5	<0.5	--
11/06/08	91.81	--	24.85	0.00	66.96	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	--
11/6/08 (D)	91.81	--	--	0.00	--	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	91.81	--	24.81	0.00	67.00	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09 (D)	91.81	--	--	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	91.81	--	24.77	0.00	67.04	<29	<68	<50	<0.5	0.5	<0.5	<0.5	--
10/12-15/09 (D)	91.81	--	--	0.00	--	--	--	<50	<0.5	0.6	<0.5	<0.5	--
04/19-22/10	91.81	--	24.67	0.00	67.14	<30	<71	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10 (D)	91.81	--	--	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	91.81	--	24.68	0.00	67.13	67	<69	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	91.81	--	24.60	0.00	67.21	51	<71	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	91.81	--	24.65	0.00	67.16	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	91.81	--	24.76	0.00	67.05	<30	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12 (D)	91.81	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
MW-30-FB													
11/06/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	--	--	--	--	--	--	--	<50	<0.5	1	<0.5	<0.5	--
05/10-12/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
MW-31													
02/10/05	87.22	--	19.89	0.00	67.33	<77	<96	<48	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	87.22	--	20.02	0.00	67.20	<800	<1,000	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	87.22	--	19.89	0.00	67.33	<250	<250	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	87.22	--	20.12	0.00	67.10	NOT SAMPLED		--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-31 (cont.)													
04/17/06	87.22	--	19.94	0.00	67.28	--	--	--	--	--	--	--	--
10/17/06	87.22	--	20.14	0.00	67.08	--	--	--	--	--	--	--	--
04/17-18/07	87.22	--	19.78	0.00	67.44	<75	<94	<50	<0.5	<0.5	<0.5	<1.5	--
12/04-05/07	87.22	--	20.14	0.00	67.08	<75	<94	<50	<0.5	<0.5	<0.5	<1.5	--
04/28-30/08	87.22	--	20.06	0.00	67.16	<81	<100	<50	<0.5	<0.5	<0.5	<0.5	--
11/04/08	87.22	--	20.11	0.00	67.11	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	87.22	--	20.04	0.00	67.18	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	87.22	--	19.99	0.00	67.23	<29	<68	<50	<0.5	1	<0.5	<0.5	--
04/19-22/10	87.22	--	19.80	0.00	67.42	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	87.22	--	19.79	0.00	67.43	32	<70	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	87.22	--	19.70	0.00	67.52	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	87.22	--	19.80	0.00	67.42	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	87.22	--	20.00	0.00	67.22	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
MW-32													
07/27-28/05	101.09	--	11.43	0.00	89.66	**1,200**	<250	**17,000**	**2,300**	540	630	**2,600**	--
11/08-10/05	101.09	--	11.81	0.00	89.28	<80	<100	580	**200**	29	5.4	130	--
02/22/06	101.09	--	10.15	0.00	90.94	--	--	--	--	--	--	--	--
04/17/06	101.09	--	11.12	0.00	89.97	<81	<100	70	**47**	1.9	4.0	8.7	--
08/08/06	101.09	--	12.86	0.00	88.23	400	140	**4,000**	**1,500**	130	210	730	--
04/17-18/07	101.09	--	15.97	0.00	85.12	**2,600**	<940	**17,000**	**2,400**	170	830	2,400	--
12/04-05/07	101.09	--	18.42	0.00	82.67	<79	<98	670	**310**	6.6	57	73	--
04/29/08	101.09	--	17.09[16]	0.00	84.00	<79	<98	95	77	<0.5	9	2	--
11/04/08	101.09	--	13.56	0.00	87.53	41	<71	130	**36**	<0.5	2	<0.5	--
04/13-16/09	101.09	--	12.00	0.00	89.09	330	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	101.09	--	12.21	0.00	88.88	74	<67	<50	<0.5	0.7	<0.5	<0.5	--
04/19-22/10	101.09	--	10.44	0.00	90.65	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	101.09	--	9.82	0.00	91.27	34	<70	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	101.09	--	9.93	0.00	91.16	34	<69	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	101.09	--	10.20	0.00	90.89	<29	<69	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	101.09	--	11.38	0.00	89.71	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
MW-33													
07/27-28/05	100.31	--	28.33	0.00	71.98	**630**	<250	**2,200**	**2,500**	200	93	170	--
11/08-10/05	100.31	--	28.50	0.00	71.81	340	<100	**1,900**	**4,800**	180	110	170	--
04/17/06	100.36	--	27.95	0.00	72.41	250	<110	**1,900**	**4,000**	140	93	170	--
08/09/06	100.36	--	28.65	0.00	71.71	490	<98	**3,000**	**4,100**	220	180	290	--
10/17/06	100.36	--	28.96	0.00	71.40	--	--	--	--	--	--	--	--
04/17-18/07	100.36	--	29.65	0.00	70.71	400	<100	**1,600**	**3,700**	130	110	130	--
12/04-05/07	100.36	--	30.46	0.00	69.90	400	<94	**1,200**	**3,300**	110	76	86	--
04/28/08	100.36	--	30.46[16]	0.00	69.90	370	<100	**1,300**	**2,400**	86	75	76	--
11/04/08	100.36	--	29.62	0.00	70.74	270	<69	**1,200**	**2,700**	97	95	85	--
04/13-16/09	100.36	--	28.95	0.00	71.41	330	<68	**1,800**	**2,500**[18]	73[18]	110[18]	76[18]	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MW-33 (cont.)													
10/12-15/09	100.36	--	28.63	0.00	71.73	210	<68	**1,200**	**1,300**	37	78	40	--
04/19-22/10	100.36	--	27.91	0.00	72.45	270	<72	790	**830**	17	44	20	--
01/17-20/11	100.36	--	27.75	0.00	72.61	**680**	370	750	**620**	10	64	27	--
05/10-12/11	100.36	--	27.40	0.00	72.96	480	100	530	**460**	7	56	20	--
05/07-08/12	100.36	--	28.80	0.00	71.56	<30	<70	290	**270**	1	22	7	--
11/12-14/12	100.36	--	28.10	0.00	72.26	<30	<69	200	**190**	0.7	23	5	--
MW-34													
11/28/05	--	--	--	--	--	<84	<110	<48	--	--	--	--	--
04/17/06	94.35	--	26.97	0.00	67.38	<80	<100	<48	<0.5	<0.5	<0.5	<1.5	--
10/17/06	94.35	--	27.13	0.00	67.22	--	--	--	--	--	--	--	--
04/17-18/07	94.35	--	27.06	0.00	67.29	<81	<100	<50	<0.5	<0.5	<0.5	<1.5	--
12/04-05/07	94.35	--	27.22	0.00	67.13	<78	<98	60	<0.5	<0.5	<0.5	<1.5	--
04/28-30/08	94.35	--	27.15	0.00	67.20	<80	<100	<50	<0.5	<0.5	<0.5	<0.5	--
11/06/08	94.35	--	27.19	0.00	67.16	<31	<73	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	94.35	--	27.15	0.00	67.20	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	94.35	--	27.10	0.00	67.25	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
04/19-22/10	94.35	--	26.96	0.00	67.39	<30	<69	<50	<0.5	<0.5	<0.5	<0.5	--
01/17-20/11	94.35	--	27.00	0.00	67.35	39	<69	<50	<0.5	<0.5	<0.5	<0.5	--
05/10-12/11	94.35	--	26.90	0.00	67.45	<60	<140	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	94.35	--	27.00	0.00	67.35	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	94.35	--	27.09	0.00	67.26	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
MW-35													
11/28/05	--	--	--	--	--	280	180	250	--	--	--	--	--
02/22/06	100.52	--	30.32	0.00	70.20	--	--	--	--	--	--	--	--
04/17/06	100.52	--	30.41	0.00	70.11	270	<100	370	**100**	1.3	1.0	3.9	--
08/09/06	100.52	--	30.75	0.00	69.77	300	230	780	**150**	3.1	1.9	5.8	--
10/18/06	100.52	--	30.94	0.00	69.58	--	--	--	--	--	--	--	--
04/17/07	100.52	--	31.19	0.00	69.33	--	--	--	--	--	--	--	--
12/04/07	100.52	--	31.89	0.00	68.63	--	--	--	--	--	--	--	--
04/28-05/01/08	100.52	--	31.78[16]	0.00	68.74	180	<100	110	**45**	<0.5	<0.5	<0.5	--
11/05/08	100.52	--	31.48	0.00	69.04	110	<67	180	**150**	<0.5	<0.5	<0.5	--
04/13-16/09	100.52	--	31.22	0.00	69.30	120	<68	83	**100**	<0.5	<0.5	<0.5	--
10/12-15/09	100.52	--	30.98	0.00	69.54	50	<68	<50	**58**	<0.5	<0.5	<0.5	--
04/19-22/10	100.52	--	30.45	0.00	70.07	59	<71	<50	**66**	<0.5	<0.5	<0.5	--
01/17-20/11	100.52	--	30.43	0.00	70.09	170	220	<50	5	<0.5	<0.5	<0.5	--
05/10-12/11	100.52	--	30.00	0.00	70.52	60	<70	<50	4	<0.5	<0.5	<0.5	--
05/07-08/12	100.52	--	30.30	0.00	70.22	<30	<70	<50	0.6	<0.5	<0.5	<0.5	--
11/12-14/12	100.52	--	30.52	0.00	70.00	<29	<67	<50	1	<0.5	<0.5	<0.5	--
DPE-1/VP-6													
07/24/02	101.90	10.60	12.18	1.58	90.98	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/17-18/02	101.90	11.35	12.00	0.65	90.42	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21/03	101.90	11.27	12.90	1.63	90.30	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-1/VP-6 (cont.)													
04/23-24/03	101.90	10.75	10.90	0.15	91.12	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
06/30-07/01/03	101.90	11.32	11.54	0.22	90.54	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/01-02/03	101.90	12.12	12.91	0.79	89.62	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
01/21-23/04	101.90	NOT MONITORED/SAMPLED DUE TO WELL OBSTRUCTION AT 2.41 FEET							--	--	--	--	--
04/29-30/04	--	11.20	11.25	0.05	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
07/15-16/04	--	11.61	11.63	0.02	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
08/03/04	101.84	--	11.85	0.00	89.99	--	--	--	--	--	--	--	--
10/28-11/01/04	101.84	--	11.99	0.00	89.85	**180,000**	<20,000	**81,000**	**7,500**	9,500	1,100	**9,000**	--
01/24-31/05	101.84	--	11.37	0.00	90.47	**21,000**	<1,000	**19,000**	**1,800**	1,200	75	**3,300**	--
04/18-21/05	101.84	--	11.19	0.00	90.65	**280,000**	<11,000	**8,000**	**190**	240	48	800	--
07/27-28/05	101.84	--	11.50	0.00	90.34	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	101.84	--	11.76	0.00	90.08	NOT SAMPLED		--	--	--	--	--	--
08/09/05	101.84	11.59	11.60	0.01	90.24	--	--	--	--	--	--	--	--
11/08-10/05	101.84	NP	11.76	0.00	90.08	--	--	--	--	--	--	--	--
02/22/06	101.84	Sheen	10.02	0.00	91.82	--	--	--	--	--	--	--	--
04/17/06	101.84	NP	11.25	0.00	90.59	--	--	--	--	--	--	--	--
08/31/06	101.84	13.21	13.13	0.00	88.71	--	--	--	--	--	--	--	--
09/15/06	101.84	13.31	13.35	0.04	88.49	--	--	--	--	--	--	--	--
10/17/06	101.55	12.85	14.68	1.83	88.33	--	--	--	--	--	--	--	--
04/17-19/07	101.55	--	15.63	0.00	85.92	**5,600**	<950	650	20	4.1	3.7	13	--
04/17-19/07 (D)	101.55	--	--	--	--	<1,500	<1,900	690	20	4.3	3.9	14	--
12/04-05/07	101.55	--	20.72	0.00	80.83	240	<100	550	**380**	4.7	32	15	--
04/28-29/08	101.63	--	16.74	0.00	84.89	**610**	<200	260	**430**	1	1	2	--
4/29/08 (D)	101.63	--	--	--	--	490	<200	250	**450**	1	1	2	--
11/03/08	101.63	--	13.50	0.00	88.13	--	--	--	--	--	--	--	--
04/13-16/09[15]	101.63	--	11.84	0.00	89.79	--	--	--	--	--	--	--	--
10/12-15/09[15]	101.63	--	12.05	0.00	89.58	--	--	--	--	--	--	--	--
04/19-22/10[15]	101.63	--	10.26	0.00	91.37	--	--	--	--	--	--	--	--
01/17-20/11[15]	101.63	--	10.56	0.00	91.07	--	--	--	--	--	--	--	--
05/10-12/11[15]	101.63	--	9.85	0.00	91.78	--	--	--	--	--	--	--	--
05/07-08/12[15]	101.63	--	10.00	0.00	91.63	--	--	--	--	--	--	--	--
11/12-14/12[15]	101.63	--	11.97	0.00	89.66	--	--	--	--	--	--	--	--
DPE-2													
04/29-30/04	--	11.31	11.51	0.20	--	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
07/15-16/04	--	--	11.73	0.00	--	--	--	--	--	--	--	--	--
08/03/04	102.17	--	12.17	0.00	90.00	--	--	--	--	--	--	--	--
10/28-11/01/04	102.17	--	12.12	0.00	90.05	**6,200**	<1,000	**48,000**	**2,500**	3,000	940	**5,400**	--
01/24-31/05	102.17	--	11.51	0.00	90.66	**870**	<250	**2,200**	**70**	79	13	140	--
04/18-21/05	102.17	--	11.30	0.00	90.87	290	<250	**2,000**	**210**	170	42	220	--
07/27-28/05	102.17	--	11.64	0.00	90.53	NOT SAMPLED		--	--	--	--	--	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-2 (cont.)													
11/08-10/05	102.17	--	12.02	0.00	90.15	NOT SAMPLED		--	--	--	--	--	--
02/22/06	102.17	10.06	10.98	0.92	91.93	--	--	--	--	--	--	--	--
02/27/06	102.17	10.20	11.09	0.89	91.79	--	--	--	--	--	--	--	--
04/17/06	102.17	11.25	11.71	0.46	90.83	--	--	--	--	--	--	--	--
07/31/06	102.17	12.76	12.80	0.04	89.40	--	--	--	--	--	--	--	--
08/19/06	102.17	13.33	13.45	0.12	88.82	--	--	--	--	--	--	--	--
09/15/06	102.43	13.69	13.73	0.04	88.73	--	--	--	--	--	--	--	--
09/29/06	102.43	13.83	13.86	0.03	88.59	--	--	--	--	--	--	--	--
10/17/06	102.43	13.91	13.92	0.01	88.52	--	--	--	--	--	--	--	--
10/24/06	102.43	14.20	14.50	0.30	88.17	--	--	--	--	--	--	--	--
04/17/07	102.43	--	15.96	0.00	86.47	**110,000**	<9,500	**27,000**	<10	2.9	14	**1,100**	--
12/04-05/07	102.43	--	21.52	0.00	80.91	**5,300**	<480	600	**150**	5.3	8.6	15	--
04/28-29/08	102.54	--	17.20	0.00	85.34	**8,100**	<2,000	770	2	<0.5	<0.5	0.5	--
11/04/08	102.54	--	14.06	0.00	88.48	**3,000**	<130	340	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09[15]	102.54	--	12.40	0.00	90.14	83	<72	93	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	102.54	--	12.77	0.00	89.77	230	<68	330	0.8	<0.5	<0.5	<0.5	--
04/19-22/10	102.54	--	10.85	0.00	91.69	--	--	--	--	--	--	--	--
01/17-20/11	102.54	--	10.33	0.00	92.21	--	--	--	--	--	--	--	--
05/10-12/11	102.54	--	10.45	0.00	92.09	--	--	--	--	--	--	--	--
05/07-08/12	102.54	--	10.60	0.00	91.94	--	--	--	--	--	--	--	--
11/12-14/12	102.54	--	12.14	0.00	90.40	--	--	--	--	--	--	--	--
DPE-3													
10/17/06	103.93	--	14.49	0.00	89.44	--	--	--	--	--	--	--	--
10/26/06	103.93	--	14.79	0.00	89.14	<80	<100	<48	<0.5	<0.5	<0.5	<0.5	--
04/17-19/07	103.93	--	18.25	0.00	85.68	**4,900**	<2,000	87	<0.5	<0.5	<0.5	3.9	--
12/04/07	103.93	--	18.35	0.00	85.58	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	104.02	--	18.25	0.00	85.77	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08	104.02	--	14.39	0.00	89.63	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/13-16/09	104.02	--	12.70	0.00	91.32	--	--	--	--	--	--	--	--
10/12-15/09	104.02	--	13.23	0.00	90.79	--	--	--	--	--	--	--	--
04/19-22/10	104.02	--	11.24	0.00	92.78	--	--	--	--	--	--	--	--
01/17-20/11	104.02	--	10.62	0.00	93.40	--	--	--	--	--	--	--	--
05/10-12/11	104.02	--	10.77	0.00	93.25	--	--	--	--	--	--	--	--
05/07-08/12	104.02	--	11.07	0.00	92.95	--	--	--	--	--	--	--	--
11/12-14/12	104.02	--	12.44	0.00	91.58	--	--	--	--	--	--	--	--
DPE-4													
10/17/06	102.26	--	14.29	0.00	87.97	--	--	--	--	--	--	--	--
10/18/06	102.26	--	14.29	0.00	87.97	--	--	--	--	--	--	--	--
10/24/06	102.26	--	14.00	0.00	88.26	**920**	**1,400**	**4,900**	**260**	240	39	720	--
04/17-19/07	102.26	--	19.17	0.00	83.09	**6,700**	<1,900	**12,000**	**2,200**	220	400	**2,000**	--
12/04-06/07	102.26	--	19.42	0.00	82.84	330	<100	210	**44**	0.9	1	5.5	--

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-4 (cont.)													
04/28-30/08	102.39	--	17.36	0.00	85.03	**5,200**	<2,500	410	**51**	3	2	23	--
4/30/08 (D)	102.39	--	--	--	--	**2,500**	<2,000	390	**51**	3	2	23	--
11/03/08	102.39	--	14.14	0.00	88.25	--	--	--	--	--	--	--	--
04/13-16/09[15]	102.39	--	12.56	0.00	89.83	--	--	--	--	--	--	--	--
10/12-15/09	102.39	--	12.76	0.00	89.63	--	--	--	--	--	--	--	--
04/19-22/10	102.39	--	10.95	0.00	91.44	--	--	--	--	--	--	--	--
01/17-20/11	102.39	--	10.40	0.00	91.99	--	--	--	--	--	--	--	--
05/10-12/11	102.39	--	10.47	0.00	91.92	--	--	--	--	--	--	--	--
05/07-08/12	102.39	--	10.74	0.00	91.65	--	--	--	--	--	--	--	--
11/12-14/12	102.39	--	11.85	0.00	90.54	--	--	--	--	--	--	--	--
DPE-5													
11/28/05	--	--	--	--	--	**5,300**	<1,000	**36,000**	--	--	--	--	--
01/23/06	113.32	16.70	16.75	0.05	96.61	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
02/22/06	113.81	--	17.16	0.00	96.65	--	--	--	--	--	--	--	--
04/17/06	113.81	--	--	--	--	**4,800**	<190	**19,000**	**1,100**	1,400	160	**2,900**	--
04/17-19/07	113.81	--	23.78	0.00	90.03	**4,600**	<470	200	17	2.6	1.6	11	--
12/04-06/07	113.81	--	23.72	0.00	90.09	**4,000**	<470	180	0.6	0.5	0.6	4.3	--
04/28-29/08	113.82	--	18.93	0.00	94.89	**11,000**	<2,500	<250	**32**	4	3	22	--
4/29/08 (D)	113.82	--	--	--	--	**3,300**	<1,900	--	--	--	--	--	--
11/03/08	113.82	--	22.45	0.00	91.37	**12,000**	<3,500	460	**77**	7	4	17	--
04/13-16/09	113.82	--	14.63	0.00	99.19	**690**	83	110	2	<0.5	1	3	--
10/12-15/09	113.82	--	18.60	0.00	95.22	**25,000**	<1,400	490	22	2	19	10	--
04/19-22/10	113.82	--	15.92	0.00	97.90	**530**	95	78	2	<0.5	<0.5	0.5	--
01/17-20/11	113.82	--	13.99	0.00	99.83	**540**	230	<50	<0.5	<0.5	2	1	--
05/10-12/11	113.82	--	16.16	0.00	97.66	**1,900**	270	520	18	4	30	63	--
05/07-08/12	113.82	--	14.08	0.00	99.74	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	113.82	-	15.35	0.00	98.47	260	<72	580	5	2	56	46	--
DPE-6													
11/28/05	--	--	--	--	--	170	<100	280	--	--	--	--	--
02/22/06	113.32	--	19.62	0.00	93.70	--	--	--	--	--	--	--	--
04/17/06	113.32	--	--	--	--	--	--	**38,000**	**3,000**	5,400	690	**4,900**	--
04/17/07	113.32	--	29.83	0.00	83.49	**110,000**	<9,300	**5,400**	**27**	39	35	350	--
12/04-05/07	113.32	--	28.51	0.00	84.81	**1,100**	<190	160	<2.0	0.6	<2.0	3.8	--
04/28-29/08	114.14	--	22.81	0.00	91.33	**8,500**	<480	460	1	6	2	32	--
4/29/08 (D)	114.14	--	--	--	--	**6,500**	<480	--	--	--	--	--	--
11/04/08	114.14	--	21.30	0.00	92.84	**11,000**	<1,300	**870**	16	12	7	63	--
04/13-16/09	114.14	--	20.60	0.00	93.54	**16,000**	**880**	**900**	**100**	6	16	24	--
10/12-15/09	114.14	--	20.51	0.00	93.63	**3,600**	<680	490	18	3	8	9	--
04/19-22/10	114.14	--	19.02	0.00	95.12	**10,000**	**2,000**	680	**44**	3	13	13	--
01/17-20/11	114.14	--	18.61	0.00	95.53	**16,000**	**27,000**	520	**42**	2	4	6	--

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GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-6 (cont.)													
05/10-12/11	114.14	--	18.44	0.00	95.70	**8,300**	**1,300**	510	16	2	5	14	--
05/07-08/12	114.14	--	18.80	0.00	95.34	**1,000**	<66	360	9	1	1	4	--
11/12-14/12	114.14	--	19.90	0.00	94.24	94	<71	220	4	<0.5	<0.5	1	--
DPE-7													
11/28/05	--	--	--	--	--	**6,200**	<1,000	**17,000**	--	--	--	--	--
02/22/06	113.15	--	19.20	0.00	93.95	--	--	--	--	--	--	--	--
04/17/06	113.15	--	--	--	--	**8,600**	<500	**29,000**	**4,500**	1,800	470	**4,200**	--
04/17/07	113.15	--	27.00	0.00	86.15	**22,000**	<4,700	**3,800**	**78**	40	97	180	--
12/04-05/07	113.15	--	27.52	0.00	85.63	**120,000**	<9,900	760	**44**	1.7	28	15	--
04/28-29/08	113.13	--	22.26	0.00	90.87	**6,100**	<980	<250	7	2	2	6	--
4/29/08 (D)	113.13	--	--	--	--	**6,300**	<980	--	--	--	--	--	--
11/03/08	113.13	20.95	20.96	0.01	92.18	--	--	--	--	--	--	--	--
04/13-16/09[15]	113.13	--	19.90	0.00	93.23	--	--	--	--	--	--	--	--
10/12-15/09	113.13	--	20.25	0.00	92.88	--	--	--	--	--	--	--	--
04/19-22/10	113.13	--	18.76	0.00	94.37	--	--	--	--	--	--	--	--
01/17-20/11	113.13	--	18.29	0.00	94.84	--	--	--	--	--	--	--	--
05/10-12/11	113.13	--	18.22	0.00	94.91	--	--	--	--	--	--	--	--
05/07-08/12	113.13	--	18.40	0.00	94.73	--	--	--	--	--	--	--	--
11/12-14/12	113.13	--	19.50	0.00	93.63	--	--	--	--	--	--	--	--
DPE-8/MW-22													
10/26-27/04	104.83	--	--	--	--	**5,000**	<1,000	**54,000**	--	--	--	--	--
10/28-11/01/04	104.83	--	14.11	0.00	90.72	--	--	--	--	--	--	--	--
01/24-31/05	104.83	--	13.62	0.00	91.21	**980**	<250	**55,000**	**5,200**	6,300	1,500	**8,800**	--
04/18-21/05	104.83	--	13.72	0.00	91.11	**2,000**	<250	**40,000**	**4,600**	4,300	1,200	**6,800**	--
07/27-28/05	104.83	--	13.53	0.00	91.30	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	104.83	--	14.14	0.00	90.69	NOT SAMPLED		--	--	--	--	--	--
02/22/06	104.83	--	12.34	0.00	92.49	--	--	--	--	--	--	--	--
04/17/06	104.83	--	14.60	0.00	90.23	--	--	--	--	--	--	--	--
08/08/06	104.83	16.55	16.56	0.01	88.28	**2,000**	<210	**41,000**	**3,100**	3,500	1,200	**6,400**	--
08/19/06	104.83	15.30	15.65	0.35	89.46	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
08/31/06	104.83	15.21	16.33	1.12	89.40	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
09/15/06	104.83	15.47	16.55	1.08	89.14	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/17/06	104.35	15.75	17.12	1.37	88.32	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/24/06	104.35	16.59	16.59	0.00	87.76	**5,200**	**880**	**67,000**	**3,100**	4,900	1,800	**11,000**	--
04/17/07	104.35	--	20.28	0.00	84.07	**1,900,000**	**510,000**	**9,300**	**84**	34	35	**1,100**	--
12/04-05/07	104.35	--	20.23	0.00	84.12	**120,000**	**32,000**	**4,900**	2.6	1.0	3.5	49	--
04/28-29/08	104.49	--	18.63	0.00	85.86	**38,000**	**8,900**	**4,500**	14	5	11	29	--
04/30/08	104.49	NO PURGE NWTPHDx SAMPLE			--	**820,000**	**190,000**	--	--	--	--	--	--
04/30/08	104.49	FILTERED, NO PURGE NWTPHDx SAMPLE				**3,900**	<420	--	--	--	--	--	--
11/06/08	104.49	--	15.51	0.00	88.98	**18,000**	<3,300	**3,500**	**35**	16	19	140	--
04/13-16/09	104.49	--	13.87	0.00	90.62	**12,000**	**590**	**2,000**	7	1	3	6	--

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
DPE-8/MW-22 (cont.)													
10/12-15/09	104.49	--	13.90	0.00	90.59	**3,900**	<680	**940**	6	1	0.6	3	--
04/19-22/10	104.49	--	12.08	0.00	92.41	**2,000**	**510**	88	2	<0.5	<0.5	<0.5	--
01/17-20/11	104.49	--	11.60	0.00	92.89	**1,400**	**1,100**	<50	0.6	<0.5	<0.5	<0.5	--
05/10-12/11	104.49	--	11.50	0.00	92.99	**990**	450	120	1	<0.5	<0.5	<0.5	--
05/07-08/12	104.49	--	11.85	0.00	92.64	130	<70	<50	<0.5	<0.5	<0.5	<0.5	--
11/12-14/12	104.49	--	13.19	0.00	91.30	120	<70	170	2	<0.5	<0.5	<0.5	--
DPE-9													
10/17/06	103.38	--	14.92	0.00	88.46	--	--	--	--	--	--	--	--
10/18/06	103.38	--	14.92	0.00	88.46	--	--	--	--	--	--	--	--
10/24/06	103.38	Sheen	13.78	0.00	89.60	220	<100	<48	<0.5	<0.5	<0.5	<0.5	--
04/17-18/07	103.38	--	14.13	0.00	89.25	380	**530**	<50	<0.5	<0.5	<0.5	<1.5	--
12/04/07	103.38	--	16.23	0.00	87.15	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08	103.46	OBSTRUCTION IN WELL			--	--	--	--	--	--	--	--	--
11/03/08	103.46	--	15.06	0.00	88.40	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/13-16/09[15]	103.46	--	12.30	0.00	91.16	--	--	--	--	--	--	--	--
10/12-15/09[15]	103.46	--	13.56	0.00	89.90	--	--	--	--	--	--	--	--
04/19-22/10[15]	103.46	--	11.51	0.00	91.95	--	--	--	--	--	--	--	--
01/17-20/11[15]	103.46	--	11.63	0.00	91.83	--	--	--	--	--	--	--	--
05/10-212/11[15]	103.46	--	11.10	0.00	92.36	--	--	--	--	--	--	--	--
05/07-08/12[15]	103.46	--	11.33	0.00	92.13	--	--	--	--	--	--	--	--
11/12-14/12[15]	103.46	--	12.57	0.00	90.89	--	--	--	--	--	--	--	--
RW-2													
09/90	104.54	12.68	12.72	0.04	91.85	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
03/26-28/91	104.54	10.13	10.21	0.08	94.39	--	--	--	**19,000**	**46,000**	2,500	**120,000**	--
07/07/93	104.54	--	11.71	0.00	92.83	--	--	--	--	--	--	--	--
01/97	104.54	--	--	--	--	--	--	390	**31**	14	6	49	--
04/97	104.54	--	--	--	--	--	--	**11,000**	**189**	243	99	743	--
07/97	104.54	--	--	--	--	--	--	**24,000**	**4,230**	2,490	398	**2,732**	--
11/97	104.54	--	--	--	--	--	--	**4,400**	**3,140**	1,200	338	**2,265**	--
07/24/02	106.63	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/17-18/02	106.63	--	14.44	0.00	92.19	**988**	<500	**1,380**	**90.5**	8.05	29.2	31.5	2.23
01/21/03	106.63	--	10.61	0.00	96.02	<250	<500	126	**33.5**	0.859	1.28	4.11	<1.00
04/23-24/03	106.63	--	10.30	0.00	96.33	<250	<500	55.7	<0.500	<0.500	0.642	2.64	<1.00[13]
06/30-07/01/03	106.63	--	13.72	0.00	92.91	**505**	<500	**2,380**	**53.5**	8.72	39.8	43.2	1.43[13]
10/01-02/03	106.63	--	15.05	0.00	91.58	**1,400**	<250	**2,300**	**75**	7.3	29	33	4.9[13]
01/21-23/04	106.63	--	10.22	0.00	96.41	<250	<250	53	1.2	0.7	1.3	8.9	<1.2[13]
04/29-30/04	106.63	--	13.31	0.00	93.32	270	<250	81	11	0.9	2.0	1.9	<0.99[13]
07/15-16/04	106.63	--	14.41	0.00	92.22	<250	<500	634	**25.7**	2.39	6.18	3.55	<1.00[13]
08/03/04	106.63	--	14.90	0.00	91.73	--	--	--	--	--	--	--	--
10/28-11/01/04	106.63	--	14.68	0.00	91.95	**280,000**	<40,000	**26,000**	**410**	63	470	950	--
01/24-31/05	106.63	--	11.57	0.00	95.06	<250	<250	94	<0.5	<0.5	<2.0	2.5	--

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[5] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
RW-2 (cont.)													
04/18-21/05	106.63	--	9.18	0.00	97.45	260	<250	130	0.8	<0.5	2.3	6.1	--
07/27-28/05	106.63	--	14.16	0.00	92.47	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	106.63	--	9.99	0.00	96.64	NOT SAMPLED		--	--	--	--	--	--
04/17/06	106.63	--	10.80	0.00	95.83	--	--	--	--	--	--	--	--
10/18/06	106.63	--	17.96	0.00	88.67	--	--	--	--	--	--	--	--
04/17-18/07	106.63	--	17.12	0.00	89.51	**15,000**	<1,900	650	**54**	12	10	35	--
12/04-06/07	106.63	--	15.21	0.00	91.42	400	<100	<50	<0.5	<0.5	<0.5	<1.5	--
04/28-29/08	106.63	--	15.84[16]	0.00	90.79	**890**	<95	190	12	1	0.9	2	--
11/04/08	106.63	--	15.66	0.00	90.97	**1,000**	<66	**890**	**82**	9	14	6	--
04/13-16/09	106.63	--	13.80	0.00	92.83	**840**	<65	340	21	0.9	0.5	0.8	--
10/12-15/09	106.63	--	14.75	0.00	91.88	**4,300**	<680	**1,100**	**35**	4	7	11	--
04/19-22/10	106.63	--	12.56	0.00	94.07	430	240	160	9	0.7	<0.5	<0.5	--
01/17-20/11	106.63	--	9.70	0.00	96.93	270	190	150	<0.5	<0.5	8	16	--
05/10-12/11	106.63	--	11.96	0.00	94.67	230	91	<50	<0.5	<0.5	<0.5	<0.5	--
05/07-08/12	106.63	--	11.40	0.00	95.23	<30	<69	<50	<0.5	<0.5	2	3	--
11/12-14/12	106.63	--	13.50	0.00	93.13	<29	<67	87	5	<0.5	<0.5	0.9	--
RW-3													
07/07/93	100.70	--	16.14	0.00	84.56	--	--	--	--	--	--	--	--
07/24/02	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/17-18/02	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
01/21/03	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
04/23-24/03	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
06/30-07/01/03	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/01-02/03	100.70	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
01/21-23/04	100.70	--	10.32	0.00	90.38	**3,000**	270	**9,100**	**4,400**	360	520	**1,300**	12.0[13]
04/29-30/04	100.70	--	10.19	0.00	90.51	**5,200**	<250	**11,000**	**5,000**	750	550	**1,600**	10.6[13]
07/15-16/04[15]	100.70	--	10.59	0.00	90.11	**1,300**	**1,330**	**18,900**	**5,350**	341	554	**1,350**	2.32[13]
10/28-11/01/04	100.70	--	10.98	0.00	89.72	**680**	<250	**10,000**	**4,800**	120	680	**1,100**	--
01/24-31/05	100.70	--	10.49	0.00	90.21	**770**	<250	**6,600**	**3,000**	170	460	940	--
04/18-21/05	100.70	--	10.17	0.00	90.53	**3,700**	<250	**8,200**	**3,900**	380	550	**1,300**	--
07/27-28/05	100.70	--	10.45	0.00	90.25	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	100.70	--	10.57	0.00	90.13	NOT SAMPLED		--	--	--	--	--	--
04/17/06	100.70	--	10.72	0.00	89.98	--	--	--	--	--	--	--	--
10/18/06	100.70	--	12.55	0.00	88.15	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
RW-4													
06/25/93	110.82	--	20.76	0.00	90.06	--	--	--	--	--	--	--	--
07/07/93	110.82	--	21.65	0.00	89.17	--	--	**14,000**	**6,500**	2,800	370	**2,000**	--
07/24/02	110.82	--	18.30	0.00	92.52	**15,000**	<2,000	**990**	**62**	1.3	32	7.0	3.3
10/17-18/02	110.82	--	19.29	0.00	91.53	**8,930**	**939**	**3,160**	**59.8**	2.50	40.4	15.6	1.23

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FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
RW-4 (cont.)													
01/21/03	110.82	--	17.88	0.00	92.94	**2,830**	<500	689	0.991	<0.500	2.37	7.03	<1.00
04/23-24/03	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/30-07/01/03	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/01-02/03	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
01/21-23/04	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/29-30/04	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
07/15-16/04	110.82	17.98	18.20	0.22	92.80	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	--
10/28/04	110.82	--	18.44	0.00	92.38	--	--	--	--	--	--	--	--
10/28-11/01/04	110.82	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/24-31/05	110.82	--	18.04	0.00	92.78	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/18-21/05	110.82	--	17.86	0.00	92.96	NOT SAMPLED DUE TO INSUFFICIENT WATER/OBSTRUCTION						--	--
07/27-28/05	110.82	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
11/08-10/05	110.82	--	0.00	0.00	110.82	NOT SAMPLED		--	--	--	--	--	--
10/18/06	110.82	--	23.64	0.00	87.18	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
RW-5													
07/07/93	104.22	--	12.34	0.00	91.88	--	--	--	--	--	--	--	--
07/24/02	104.22	UNABLE TO LOCATE		--	--	--	--	--	--	--	--	--	--
10/17-18/02	104.22	--	12.63	0.00	91.59	**84,900**	**3,650**	**3,370**	**696**	67.2	63.0	408	3.91
01/21/03	104.22	--	11.81	0.00	92.41	**1,860**	<500	493	17.1	4.43	1.37	52.9	13.3
04/23-24/03	104.22	--	11.31	0.00	92.91	**2,050**	<500	2,490	9.73	13.4	<5.00	870	7.31[13]
06/30-07/01/03	104.22	--	11.91	0.00	92.31	**8,010**	<500	2,170	**34.6**	20.3	8.10	**1,050**	1.98[13]
10/01-02/03	104.22	--	13.29	0.00	90.93	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
01/21-23/04	104.22	--	11.52	0.00	92.70	**1,800**	<250	470	**64**	12	2.5	65	1.6[13]
04/29-30/04	104.22	--	11.88	0.00	92.34	NOT SAMPLED DUE TO WIRE OBSTRUCTIO				--	--	--	--
07/15-16/04[15]	104.22	--	13.32	0.00	90.90	NOT SAMPLED DUE TO INSUFFICIENT WATER/OBSTRUCTION						--	--
10/28-11/01/04	104.22	--	12.98	0.00	91.24	**36,000**	<10,000	**890**	**120**	12	11	58	--
01/24-31/05	104.22	--	11.31	0.00	92.91	**3,200**	360	**880**	**45**	13	6.6	190	--
04/18-21/05	104.22	--	11.40	0.00	92.82	**1,900**	400	150	1.3	<0.5	0.8	9.4	--
07/27-28/05	104.22	--	12.16	0.00	92.06	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05	104.22	INACCESIBLE - UNABLE TO MONITOR DUE TO CONSTRUCTION							--	--	--	--	--
04/17/06	104.22	--	12.41	0.00	91.81	--	--	--	--	--	--	--	--
10/18/06	104.22	--	14.38	0.00	89.84	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													

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631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
MP-1													
07/24/02	--	INACCESIBLE - UNABLE TO OPEN WELL				--	--	--	--	--	--	--	--
10/17-18/02	--	INACCESIBLE - UNABLE TO OPEN WELL				--	--	--	--	--	--	--	--
08/03/04	104.95	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/17/06	104.95	--	4.32	0.00	100.63	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
MP-2													
07/24/02	--	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--	--
10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/04	97.04	--	115.00	0.00	-17.96	--	--	--	--	--	--	--	--
04/17/06	97.04	--	114.56	0.00	-17.52	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED													
Station 5													
04/05/91	--	--	--	--	--	--	--	**7,400**	**5,040**	12.3	42.1	41.2	--
04/05/91	--	--	--	--	--	--	--	**7,030**	**3,850**	15.0	51.8	50.9	--
04/05/91	--	--	--	--	--	--	--	**3,000**	0.9 J	13.8	10.2	134	--
04/19/91	--	--	--	--	--	--	--	<0.05	<0.5	<1.0	<1.0	1.4 J	--
NOT MONITORED/SAMPLED													
DVP-1													
09/12/02	--	--	6.00	--	--	--	--	**98,100**	**7,640**	18,600	2,660	**15,000**	--
09/12/02	--	--	6.00	--	--	--	--	**107,000**	**13,500**	**19,100**	2,140	**12,400**	--
09/12/02	--	--	6.00	--	--	--	--	**102,000**	**12,300**	17,400	1,980	**11,500**	--
NOT MONITORED/SAMPLED													
TRIP BLANK													
TB-1-1909J													
04/28/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
TB-2-1909J													
04/29/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
TB-3-1909J													
04/30/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
TB-4-1909J													
05/01/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
TB-5-1909J													
05/02/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FIELD BLANK													
FB-1-04/28/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-04/29/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-04/29/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-04/22/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-04/20/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (μg/L)	TPH-HRO (μg/L)	TPH-GRO (μg/L)	Benzene (μg/L)	Toluene (μg/L)	Ethyl-benzene (μg/L)	Total Xylenes (μg/L)	D. Lead (μg/L)
FIELD BLANK (cont.)													
FB-3-04/21/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-01/20/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-01/18/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-01/18/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-05/12/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-05/10/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-05/10/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-05/08/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-05/08/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-05/08/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-1-11/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-2-11/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
FB-3-11/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
QA													
07/24/02	--	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	--
10/17-18/02	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
11/14/02	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
01/21/03	--	--	--	--	--	--	--	--	--	--	--	--	--
04/23-24/03	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
06/30-07/01/03	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
10/01-02/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/14/03	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
01/21-23/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/29-30/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
05/03/00	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/15-16/04	--	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<1.00	--
10/26-27/04	--	--	--	--	--	--	--	<50	--	--	--	--	--
10/28-11/01/04	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
02/10/05	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--
02/17/05	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/03/08	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

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TABLE 1
GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/ Date	TOC[2] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE[3] (ft.)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	D. Lead (µg/L)
QA (cont.)													
04/14/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/15/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/16/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/13/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/14/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/15/09	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/20/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/21/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/22/10	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/19/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/20/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/10/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/11/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/12/11	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/08/12	--	--	--	--	--	--	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/14/12	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
Standard Laboratory Reporting Limits:								50	0.5	0.5	0.5	1.5	1.00
Groundwater Cleanup Levels[1]						500	500	800/1,000	23	19,000	6,900	1,000	15
Current Method:						NWTPH-Dx Extended[4]		NWTPH-Gx and USEPA 8020B					USEPA 7421

Abbreviations:

(D) = Duplicate
D. Lead = Dissolved Lead
DTW/P = Depth to Water or Product
(ft.) = Feet
GWE = Groundwater Elevation
J = Estimated result between the MDL and the laboratory reporting limit
MDL = Method dectection limit
MTCA = Model Toxics Control Act Cleanup Regulations
QA = Quality Assurance/Trip Blank
SAIC = SAIC Energy, Environment & Infrastructure, LLC
-- = Not Measured/Not Analyzed
SPH = Separate-Phase Hydrocarbons
SPHT = SPH Thickness
TOC = Top of Casing
TPH = Total Petroleum Hydrocarbons
TPH-DRO = TPH as Diesel-Range Organics
TPH-GRO = TPH as Gasoline-Range Organics
TPH-HRO = TPH as Heavy Oil-Range Organics
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
< = Analyte not detected at or above the laboratory reporting limit. Number represents reporting limit
DRY = The difference between the DTW and the total depth of the well was less than 0.20 inch in thickness, or there was insufficient water column to collect a DTW measurement

Notes:

1 Analytical results in bold font indicate concentrations exceeding cleanup levels. Groundwater cleanup levels based on Method B standard formula values for protection of surface water. Where no value exists, cleanup levels are based on MTCA Method A cleanup levels as allowed by WAC chapter 173-340-730.
2 TOC elevations have been surveyed in feet based on an arbitrary benchmark.
3 GWE corrected for the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.8)].
4 Analized with silica-gel cleanup.
5 Laboratory report indicates the heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
6 Laboratory report indicates this sample was received and analyzed unpreserved.
7 Laboratory report indicates results in the diesel organics range are primarily due to overlap from a gasoline range product.

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TABLE 1

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS[1]
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Notes (cont.):

8 Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation
9 Sample container broken during transport to laboratory
10 Laboratory report indicates this sample was analyzed outside of our recommended holding time. See case narrative.
11 Absorbent sock in well.
12 Laboratory report indicates the hydrocarbons present are a complex mixture of diesel range and heavy oil range organics
13 Laboratory report indicates this sample was laboratory filtered.
14 Due to limited sample volume; no results will be provided
15 Pump in well.
16 DTW was adjusted to reflect the difference in measuring tape lengths between different water level meters used to collect DTW measurements across the site.
17 Resampled at a later date due to original samples not returned to lab for analysis within the sample holding period.
18 Laboratory report indicates preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 5.
19 Reporting limits were raised due to interference from the sample matrix.

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[4] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
VP-5/MW-5								
04/19-22/10	366	1,740	4,700	<400	73,300	69,500	130	<54
01/17-20/11	2,350	234	11,600	<400	51,300	36,900	26	<54
05/10-12/11	1,240	1,480	5,000	<400	70,100	63,100	560	<54
05/07-08/12	9,890	3,240	7,200[2]	<400[2]	48,900	50,000	48	<54
11/12-14/12	10,500	8,710	530	<400	64,400	48,700	530	<54
VP-8/ MW-7								
12/11/08	5,470	527	840	<200	109,000	193,000	<100	<54
04/13-16/09	1,690	217	770	<400	43,700	149,000	960	<54
10/12-15/09	1,220	187	2,300	<400	29,200	112,000	2,800	<54
04/19-22/10	4,400	311	3,300	<400	23,700	112,000	1,200	140
01/17-20/11	71,700	4,330	45,600	<400	28,100	15,700	33	<54
05/10-12/11	1,460	122	3,800	<400	57,800	137,000	500	<54
05/07-08/12	144,000	3,420	17,300[2]	<400[2]	39,900	78,000	80	<54
11/12-14/12	178,000	3,690	3,300	<400	51,900	141,000	170	<54
MW-4								
11/10/08	<52.2	1,460	4,720	<200	220,000	117,000	<100	<54
04/13-16/09	299	3,570	1,300	<400	133,000	206,000	420	<54
10/12-15/09	643	6,300	<250	<400	99,200	267,000	690	230
04/19-22/10	876	5,370	<250	<400	23,900	233,000	690	81
01/17-20/11	4,210	2,630	1,900	<400	21,100	217,000	890	<54
05/10-12/11	6,760	6,130	<250	<400	27,800	255,000	1,500	<54
05/07-08/12	6,700	6,720	2,700[2]	<400[2]	11,000	323,000	1,000	<54
11/12-14/12	4,180	6,530	<250	<400	8,600	427,000	1,400	<54
MW-6								
05/01/08	22,900	5,170	560	<200	155,000	57,400	17,300	270
11/10/08	6,590	32,400	21,100	300	785,000	38,900	698	<54
11/10/08 (D)	6,370	32,700	21,000	310	843,000	39,200	819	<54
04/13-16/09	8,860	14,800	280	<400	248,000	298,000	3,500	<54
10/12-15/09	4,060	5,560	<250	<400	72,900	397,000	4,800	230
04/19-22/10	33,600	15,500	<250	<400	151,000	400,000	37,100	150
01/17-20/11	43,500	23,100	<250	<400	270,000	327,000	43,400	110
05/10-12/11	35,500	33,800	<250	<400	96,800	702,000	22,800	340
05/07-08/12	25,000	23,900	<250[2]	<400[2]	98,000	394,000	20,700	850
11/12-14/12	14,800	16,000	<250	<400	140,000	459,000	4,400	1,900

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[4] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
MW-9								
11/10/08	23,400	21,400	<200	<200	13,800	578,000	2,500	200
04/13-16/09	31,200	37,000	<250	<400	242,000	354,000	30,200	110
10/12-15/09	25,300	20,700	<250	<400	116,000	384,000	25,000	130
04/19-22/10	25,900	13,200	<250	<400	128,000	328,000	25,300	67
01/17-20/11	68,500	69,300	<250	<400	88,800	360,000	27,500	410
05/10-12/11	23,300	10,800	<250	<400	64,700	339,000	17,200	290
05/07-08/12	39,100	11,400	<250	<400	48,100	341,000	18,000	2,500
11/12-14/12	19,300	18,700	<250	<400	49,900	295,000	7,600	3,400
MW-10								
05/01/08	32,800	3,110	320	<200	33,900	208,000	--	<54
11/10/08	390	1,570	1,330	<200	45,900	168,000	120	<54
04/13-16/09	575	2,860	2,000	<400	64,400	192,000	510	<54
10/12-15/09	2,970	3,350	<250	<400	79,600	181,000	470	<54
04/19-22/10	1,410	960	3,500	<400	50,700	227,000	29	<54
01/17-20/11	5,210	4,460	9,200	<400	33,300	229,000	<10	<54
05/10-12/11	3,680	2,220	3,800	<400	37,300	199,000	100	<54
05/07-08/12	2,290	1,310	6,900	<400	35,400	167,000	57	<54
11/12-14/12	9,830	7,700	<250	<400	91,200	153,000	87	<54
MW-14								
04/19-22/10	8,080	7,530	<250	<400	127,000	342,000	8,600	93
01/17-20/11	28,300	6,880	<250	<400	38,800	308,000	10,100	110
05/10-12/11	14,900	6,770	<250	<400	33,300	320,000	10,700	130
05/07-08/12	35,700	8,480	<250[2]	<400[2]	19,300	394,000	13,800	5,900
11/12-14/12	51,400	8,030	<250	<400	12,700	420,000	11,800	13,300
MW-15								
12/11/08	116	96	490	<200	25,400	44,400	<100	<54
04/13-16/09	405	139	<250	<400	6,600	29,100	<10	<54
10/12-15/09	274	330	<250	<400	99,800	84,800	37	<54
04/19-22/10	<52.2	7.2	<250	<400	3,100	45,000	<10	<54
01/17-20/11	4,600	238	<250	<400	2,300	41,300	20	<54
05/10-12/11	793	146	<250	<400	2,700	42,200	44	<54
05/07-08/12	4,150	582	<250[2]	<400[2]	13,300	87,100	40	<54
11/12-14/12	18,700	3570	<250	<400	46,900	245,000	42	<54
MW-16								
05/02/08	2,250	1,240	1,630	600	23,900	121,000	<250	<54
11/06/08	181	1,900	5,580	<200	46,200	50,300	<100	<54
04/13-16/09	508	205	9,800	<400	24,900	63,100	<10	<54
10/12-15/09	78.4	172	14,900	<400	24,700	67,300	17	<54

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[4] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
MW-16 (cont.)								
04/19-22/10	925	1,630	7,900	<400	22,300	58,100	<10	<54
01/17-20/11	43,600	4,020	5,900	<400	14,500	67,400	10	<54
05/10-12/11	2,480	1,660	6,400	<400	17,300	55,700	81	<54
05/07-08/12	1,390	2,350	5,700	<400	11,700	58,900	<10	<54
11/12-14/12	31,600	8,210	11,100	<400	14,500	75,600	<10	<54
MW-17								
05/01/08	2,820	2,570	<200	<200	27,600	111,000	<250	<54
11/06/08	499	1,990	1,500	<200	65,700	92,800	<100	<54
11/06/08 (D)	647	2,450	1,090	<200	68,400	111,000	<100	<54
04/13-16/09	343	1,520	1,500	<400	68,000	92,900	130	<54
10/12-15/09	273	2,890	2,900	<400	28,000	218,000	180	<54
04/19-22/10	1,150	1,090	6,100	<400	26,000	74,900	<10	<54
01/17-20/11	134	116	4,600	<400	26,000	75,400	<10	<54
05/10-12/11	912	1,870	1,600	<400	30,000	90,500	43	<54
05/07-08/12	890	1,060	9,900[2]	<400[2]	34,000	78,500	44	<54
11/12-14/12	2,570	1,230	2,200	<400	22,900	84,600	<10	<54
MW-18								
12/11/08	3,170	4,300	<200	<200	55,300	266,000	<100	<54
04/13-16/09	8,880	3,220	<250	<400	77,500	196,000	2,100	<54
10/12-15/09	2,670	3,820	<250	<400	41,900	247,000	2,900	66
04/19-22/10	420	1,900	4,100	<400	32,800	178,000	120	<54
01/17-20/11	106,000	710	7,200	<400	22,000	107,000	18	<54
05/10-12/11	525	1,050	6,600	<400	28,100	162,000	31	<54
05/07-08/12	3,990	624	8,100[2]	<400[2]	25,900	116,000	75	<54
11/12-14/12	11,200	2,230	<250	<400	5,800	240,000	4,400	<54
MW-21								
05/01/08	8,110	395	<200	<200	21,900	268,000	2,130	<54
11/06/08	5,980	374	<200	<200	18,400	260,000	216	<54
04/13-16/09	6,260	334	<250	<400	18,900	245,000	4,600	<54
10/12-15/09	4,740	299	<250	<400	19,900	234,000	5,100	<54
04/19-22/10	7,320	200	<250	<400	20,600	164,000	3,900	<54
01/17-20/11	55,800	930	<250	<400	40,900	198,000	6,100	140
05/10-12/11	27,200	514	<250	<400	42,700	202,000	4,600	<54
05/07-08/12	8,860	399	<250[2]	<400[2]	39,100	238,000	4,700	<54
11/12-14/12	8,670	401	<250	<400	38,300	260,000	4,800	<54
MW-25								
04/19-22/10	<52.2	1,280	1,600	<400	28,600	180,000	<10	<54
01/17-20/11	8,470	1,880	3,600	<400	23,800	168,000	46	<54
05/10-12/11	1,460	1,430	890	<400	21,200	157,000	51	<54
05/07-08/12	624	1,250	3,600[2]	<400[2]	12,800	134,000	<10	<54
11/12-14/12	1,540	3150	470.00	<400	12,100	207,000	140	<54

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[4] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
MW-26								
05/01/08	3,030	3,660	<200	<200	137,000	129,000	373	57
05/01/08 (D)	3,210	3,660	<200	<200	133,000	131,000	817	<54
11/06/08	4,260	3,710	800	<200	117,000	156,000	275	78
04/13-16/09	319	1,380	5,600	<8,000[3]	16,500	142,000	71	<54
10/12-15/09	<52.2	1,040	10,300	<400	60,800	88,400	12	<54
04/19-22/10	<52.2	48.4	17,700	<400	44,300	87,200	12	<54
01/17-20/11	98.3	55.6	15,300	<400	33,700	97,100	20	<54
05/10-12/11	<52.2	29.7	19,400	<400	51,300	93,800	23	<54
05/07-08/12	34,800	7,170	8,800[2]	<400[2]	38,100	103,00	<10	<54
11/12-14/12	752	2,010	8,200	<400	23,400	122,000	<10	<54
MW-30								
04/30/08	1,570	144	4,910	<200	16,500	228,000	<250	<54
11/06/08	196	108	4,110	<200	10,700	226,000	<100	<54
11/06/08 (D)	325	92.9	4,090	<200	11,000	224,000	<100	<54
04/13-16/09	410	174	4,800[1]	<400	13,200	225,000	<10	<54
10/12-15/09	59.8	120	9,500	<400	15,500	216,000	<10	<54
04/19-22/10	1,830	352	690	<400	8,100	281,000	<33	<54
01/17-20/11	71,800	6,500	22,700	<400	28,800	267,000	<10	<54
05/10-12/11	53,800	4,410	23,200	<400	27,600	223,000	<10	<110
05/07-08/12	89,000	8,160	20,800[2]	<400[2]	36,200	227,000	<10	<110
11/12-14/12	7,350	961	11,700	<400	30,700	205,000	27.000	<54
MW-31								
04/19-22/10	567	10.1	340	<400	57,300	161,000	55	<54
01/17-20/11	247,000	6,290	710	<400	41,400	144,000	10	<110
05/10-12/11	177,000	4,950	900	<400	43,700	136,000	<10	<220
05/07-08/12	5,370	2,130	<250[2]	<400[2]	36,300	255,000	3,100	<54
11/12-14/12	201	4.7	<250	<400	40,600	140,000	12	<54
MW-33								
04/19-22/10	4,650	236	<250	<400	17,300	252,000	4,100	460
01/17-20/11	12,300	366	<250	<400	30,900	243,000	3,900	3,900
05/10-12/11	7,480	520	<250	<400	42,600	236,000	3,200	1,600
05/07-08/12	5,060	390	<250[2]	<400[2]	55,000	271,000	3,600	480
11/12-14/12	120,000	1,740	<250	<400	49,000	306,000	3,700	4,800

SAIC

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR MONITORED NATURAL ATTENUATION PARAMETERS
FORMER TEXACO SERVICE STATION NO. 211577
631 Queen Anne Avenue North
Seattle, Washington

Well ID/Date	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (µg/L)	Nitrite as Nitrogen (µg/L)	Sulfate (µg/L)	Total Alkalinity[4] (µg/L as CaCO3)	Ferrous Iron (µg/L)	Sulfide (µg/L)
MW-34								
04/30/08	1,750	37.4	11,400	<200	23,000	113,000	<250	<54
11/06/08	426	15.7	15,900	<200	24,500	90,100	<100	<54
04/13-16/09	<52.2	0.91	15,200	<400	47,400	96,100	75	<54
10/12-15/09	576	15.3	12,300	<400	37,100	102,000	30	<54
04/19-22/10	8,360	175	9,900	<400	23,400	99,600	37	<54
01/17-20/11	175,000	3,290	11,700	<400	21,200	85,200	21	<220
05/10-12/11	311,000	5,820	12,400	<400	23,200	84,700	<10	<54
05/07-08/12	2,460	49.7	13,700[2]	<400[2]	25,000	84,600	34	<54
11/12-14/12	262	8.0	11,300	<400	26,400	100,000	<10	<54
MW-35								
05/01/08	2,010	3,620	<200	<200	<1500	391,000	636	<54
04/13-16/09	21,300	2,330	<250	<400	21,700	357,000	1,950	73
10/12-15/09	14,700	1,880	<250	<400	37,100	214,000	2,900	170
04/19-22/10	45,100	2,230	<250	<400	46,500	200,000	4,600	400
01/17-20/11	100,000	3,140	340	<400	80,200	173,000	2,000	170
05/10-12/11	59,800	3,040	710	<400	74,900	176,000	980	<54
05/07-08/12	65,600	2,690	<250[2]	<400[2]	65,800	182,000	1,300	<54
11/12-14/12	208,000	1,750	<250	<400	86,200	211,000	1,100	<54
DPE-8/MW-22								
11/06/08	99,600	22,300	<200	<200	4,200	529,000	4,620	580
04/13-16/09	24,200	5,980	340	<400	47,300	228,000	23,700	140
10/12-15/09	13,600	3,830	<250	<400	46,800	188,000	15,100	610
04/19-22/10	2,370	1,280	<250	<400	61,600	109,000	1,500	<54
01/17-20/11	1,340	267	3,500	<400	34,500	68,900	<10	<54
05/10-12/11	4,620	2,820	470	<400	72,400	98,200	690	<54
05/07-08/12	3,140	652	1,700	<400	35,700	104,000	57	<54
11/12-14/12	2,620	2,370	650.00	<400	13,600	397,000	57	<54
Current Method:	SW-8460 6010B		USEPA 300.0			SM20 2320 B	SM20 4500 S2 D	

Abbreviations:
(D) = Duplicate
USEPA = United States Environmental Protection Agency
µg/L = Micrograms per liter
mg/L = Milligrams per liter
-- = Not Measured/Not Analyzed
< = Analyte not detected at or above the laboratory reporting limit. Number represents reporting limit

Notes:
1 Re-sampled at a later date due to original sample not returned to lab for analysis within the sample holding period. The first trial result is being reported.
2 Analysis performed outside of holding time.
3 Reporting limits were raised due to interference from the sample matrix.
4 Prior to November 2012 monitoring event, Total Alkalinity was reported as Alkalinity to pH 4.5.

SAIC

Attachment A:
Groundwater Monitoring and Sampling Data Package

GETTLER-RYAN INC.

TRANSMITTAL

November 26, 2012
G-R #386765

TO: Mr. Russell Shropshire
SAIC
18912 North Creek Parkway, Suite 101
Bothell, WA 98011

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Former Texaco Service Station
631 Queen Anne Avenue North
Seattle, Washington
(Site #211577)

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DESCRIPTION
VIA PDF	Groundwater Monitoring and Sampling Data Package **Second Semi-Annual Event of November 12, 13, and 14, 2012**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced data for your use.

Please provide us the updated historical data prior to the next monitoring and sampling event for our field use.

Please feel free to contact me if you have any comments/questions.

trans/211577

Standard Operating Procedure, Low-Flow Purging and Sampling

Gettler-Ryan Inc. field personnel adhere to the following Standard Operating Procedure (SOP) for the collection and handling of representative groundwater samples using the Low-Flow (Minimal-Drawdown) Purging technique. This SOP incorporates purging and sampling methods discussed in U.S. EPA, Ground Water Issue, Publication Number EPA/540/S-95/504, April 1996 by Puls, R.W. and M.J. Barcelona - *"Low-Flow (Minimal-Drawdown) Ground-Water Sampling Procedures."*

A QED Well Wizard™ (or equivalent) bladder pump or Peristaltic Pump will be used to purge and sample selected wells as outlined in the scope-of-work. An in-line flow cell or other multi-parameter meter is used to collect water quality indicating parameters during purging.

Initial Pump Discharge Test Procedures

The Static Water Level (SWL) is measured in all wells at the site prior to the installation of the pump or tubing and initiation of the test procedures in any well. In addition, the presence or absence of separate-phase hydrocarbons (SPH) is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot. The SWL measurement and SPH thickness, if any, will be recorded on the field data sheet.

The bladder pump or suction inlet tubing of the peristaltic pump is then positioned with its inlet located within the screened interval of the well. The in-line flow cell is then connected to the discharge tubing. After pump installation, the SWL is allowed to recover to its original level. The pump is then started at a discharge rate between 100 ml to 300 ml per minute with the in-line flow cell connected. The water level is monitored continuously for any change from the original measurement and the discharge rate is adjusted until an optimum discharge rate (ODR) is determined. The goal for the ODR is to produce a stable drawdown of less than 0.1 meter as allowed by site conditions; however the total drawdown from the initial SWL should not exceed 25% of the distance between pump inlet location and the top of the well screen. Once achieved, the ODR will be confirmed by volumetric discharge measurement and recorded on the field data sheet.

Purging and Water Quality Parameter Measurement

When the ODR has been determined and the SWL drawdown has been established within the acceptable range, and a minimum of one pump system volume (bladder volume and/or discharge tubing volume) has been purged, field measurements for temperature (T), pH, conductivity (Ec), and if required, oxygen reduction potential (ORP) and dissolved oxygen (DO) will be collected and documented on the field data sheet. Measurements should be taken every three to five minutes until parameters stabilize for three consecutive readings. The minimum parameter subset of T (± 10%), pH (± 0.1 unit), and Ec (± 10 uS) are required to stabilize. Additional parameters that may be required are DO (± 0.2 mg/l) and ORP (± 20 mV).

Sample Collection

When water quality parameters have stabilized, and the SWL drawdown remains established within the acceptable range, groundwater sample collection may begin. If used, the in-line flow cell and its tubing are disconnected from the discharge tubing prior to sample collection. Water samples are collected from the discharge tubing into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler,

maintained at 4°C for transport to the laboratory. A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12/12 - 11/14/12 (inclusive)
City: Seattle, WA Sampler: JP

Well ID VP-2
Well Diameter 2 in.
Total Depth 14.92 ft.
Depth to Water 13.48 ft.
1.44 xVF — = —

Date Monitored: 11/12/12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA
MP

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA | Sampler: GM

Well ID: VR-4 | Date Monitored: 11/12/12
Well Diameter: 2 in.
Total Depth: 14.10 ft.
Depth to Water: 12.42 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

1.68 xVF ~ = ~ x3 case volume = Estimated Purge Volume: ~ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ~

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump ✓
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump ✓
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1010 | Weather Conditions: CLOUDY
Sample Time/Date: 1045 / 11/13/12 | Water Color: CLOUDY | Odor: (Y) / N MODERATE
Approx. Flow Rate: 200 mlpm | Sediment Description: SILT
Did well de-water? NO | If yes, Time: ~ | Volume: ~ gal. | DTW @ Sampling: 12.70

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1025	3.6	6.35	0.706	14.6	10.86	-85	12.69
1028	4.2	6.34	0.705	14.5	10.84	-83	12.70
1031	4.8	6.32	0.703	14.5	10.83	-81	12.70

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VR-4	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 13.5 FT

Add/Replaced Lock: ~ Add/Replaced Plug: ~ Add/Replaced Bolt: ~

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA | Sampler: GM

Well ID: VP-5 (MW-5) | Date Monitored: 11/12/12
Well Diameter: 2 in.
Total Depth: 16.50 ft.
Depth to Water: 12.42 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

4.08 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
- Disposable Bailer: —
- Stainless Steel Bailer: —
- Stack Pump: —
- Suction Pump: —
- Grundfos: —
- Peristaltic Pump: ✓
- QED Bladder Pump: —
- Other: —

Sampling Equipment:
- Disposable Bailer: —
- Pressure Bailer: ✓
- Metal Filters: ✓
- Peristaltic Pump: ✓
- QED Bladder Pump: —
- Other: —

Time Started: — (2400 hrs)
Time Completed: — (2400 hrs)
Depth to Product: — ft
Depth to Water: — ft
Hydrocarbon Thickness: — ft
Visual Confirmation/Description: —
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: — gal
Amt Removed from Well: — gal
Water Removed: —
Product Transferred to: —

Start Time (purge): 0915 | Weather Conditions: Cloudy
Sample Time/Date: 0955 11/13/12 | Water Color: Cloudy | Odor (Y) N SLIGHT
Approx. Flow Rate: 200 mlpm | Sediment Description: SL SILT
Did well de-water? NO | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 12.67

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm ~~µS~~)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0930	3.6	5.53	0.333	14.9	2.37	131	12.66
0933	4.2	5.52	0.333	14.8	2.36	130	12.66
0936	4.8	5.51	0.331	14.8	2.35	126	12.67

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VP-5 (MW-5)	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 14.5 FT

Add/Replaced Lock: — Add/Replaced Plug: — Add/Replaced Bolt: —

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/12-14/12 (inclusive)

City: **Seattle, WA** Sampler: JP

Well ID VP-7(MW-3) Date Monitored: 11/12/12

Well Diameter 2 in.

Total Depth 12.50 ft.

Depth to Water 10.51 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

1.99 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Purge Equipment:

Disposable Bailer ___
Stainless Steel Bailer ___
Stack Pump ___
Suction Pump ___
Grundfos ___
Peristaltic Pump ___
QED Bladder Pump ___
Other: ___

Sampling Equipment:

Disposable Bailer ___
Pressure Bailer ___
Metal Filters ___
Peristaltic Pump ___
QED Bladder Pump ___
Other: ___

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: ___ ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ gal
Amt Removed from Well: ___ gal
Water Removed: ___
Product Transferred to: ___

Start Time (purge): ___ Weather Conditions: ___

Sample Time/Date: / Water Color: ___ Odor: **Y / N** ___

Approx. Flow Rate: ___ mlpm Sediment Description: ___

Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: WA M/O

Add/Replaced Lock: ___ Add/Replaced Plug: ___ Add/Replaced Bolt: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11/12/12 (inclusive)
City: Seattle, WA | Sampler: CM

Well ID: VP-8 (MW-7) | Date Monitored: 11/12/12
Well Diameter: 2 in.
Total Depth: 18.07 ft.
Depth to Water: 12.38 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

5.69 xVF 0.66 = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
- Disposable Bailer: —
- Stainless Steel Bailer: —
- Stack Pump: —
- Suction Pump: —
- Grundfos: —
- Peristaltic Pump: ✓
- QED Bladder Pump: —
- Other: —

Sampling Equipment:
- Disposable Bailer: —
- Pressure Bailer: ✓
- Metal Filters: ✓
- Peristaltic Pump: ✓
- QED Bladder Pump: —
- Other: —

Time Started: — (2400 hrs)
Time Completed: — (2400 hrs)
Depth to Product: — ft
Depth to Water: — ft
Hydrocarbon Thickness: — ft
Visual Confirmation/Description: —
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: — gal
Amt Removed from Well: — gal
Water Removed: —
Product Transferred to: —

Start Time (purge): 0810 | Weather Conditions: CLOUDY
Sample Time/Date: 0900 / 11/12/12 | Water Color: TAN | Odor: (Y) N SLIGHT
Approx. Flow Rate: 200 mlpm | Sediment Description: SL SILT
Did well de-water? NO | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 12.42

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ~~(µmhos/cm)~~ S/m	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0828	3.6	6.48	0.470	14.4	7.71	52	12.41
0831	4.2	6.47	0.469	14.4	7.69	50	12.41
0834	4.8	6.48	0.467	14.4	7.70	49	12.42

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
VP-8	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 15.0 FT

Add/Replaced Lock: — Add/Replaced Plug: — Add/Replaced Bolt: —

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/12-14/12 (inclusive)

City: **Seattle, WA** Sampler: JP

Well ID VP-9 Date Monitored: 11/12/12

Well Diameter 2 in.

Total Depth 12.60 ft.

Depth to Water 8.75 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

3.85 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Peristaltic Pump
- QED Bladder Pump
- Other:

Sampling Equipment:
- Disposable Bailer
- Pressure Bailer
- Metal Filters
- Peristaltic Pump
- QED Bladder Pump
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

Sample Time/Date: / Water Color: Odor: Y / N

Approx. Flow Rate: mlpm Sediment Description:

Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA w/o

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-4
Well Diameter 2 in.
Total Depth 17.46 ft.
Depth to Water 11.65 ft.
5.81 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Date Monitored: 11/13/12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	✓
Metal Filters	✓
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1016
Sample Time/Date: 1055 / 11-14-12
Approx. Flow Rate: 200 mlpm
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.72

Weather Conditions: Cloudy
Water Color: Cloudy Odor: NO / N / moderate
Sediment Description: Cloudy

Time (2400 hr.)	Volume (Liters)	pH	Conductivity MS (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1033	3.6	6.84	0.872	14.3	4.35	-33	11.68
1036	4.2	6.85	0.868	14.4	4.30	-36	11.70
1039	4.8	6.87	0.865	14.4	4.28	-39	11.72

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~ 14.0ft.

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12 - 11/14 (inclusive)
City: Seattle, WA Sampler: AW

Well ID MW-6
Well Diameter 2 in.
Total Depth 28.20 ft.
Depth to Water 19.74 ft.
8.46 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Date Monitored: 11-12-12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	✓
Metal Filters	✓
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Time Started: ' (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1105
Sample Time/Date: 1155 / 11-13-12
Approx. Flow Rate: 200 mlpm
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 19.79

Weather Conditions: Cloudy
Water Color: Cloudy Odor: Ⓨ / N / Slight
Sediment Description: Cloudy

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm ~~mS~~)	Temperature (Ⓒ / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1123	3.6	6.29	121	13.8	3.56	-62	19.75
1126	4.2	6.31	126	13.9	3.49	-65	19.77
1129	4.8	6.33	128	14.0	3.48	-66	19.79

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~22.0 ft.

FB-1 and Dup-1 taken

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12 - 11/14 (inclusive)
City: Seattle, WA Sampler: AW

Well ID MW-9
Well Diameter 2 in.
Total Depth 27.25 ft.
Depth to Water 20.09 ft.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.16

Date Monitored: 11-12-12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

— xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	✓
Metal Filters	✓
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1000
Sample Time/Date: 1050 / 11-13-12
Approx. Flow Rate: 200 mlpm
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 20.14

Weather Conditions: Cloudy
Water Color: cloudy Odor: (Y) / N moderate
Sediment Description: Cloudy

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm ~~mS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1018	3.6	6.67	102	15.3	3.15	-105	20.11
1021	4.2	6.69	105	15.3	3.13	-101	20.12
1024	4.8	6.71	106	15.4	3.09	-100	20.14

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~220 ft.

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11/12 - 11/14 (inclusive)
City: Seattle, WA | Sampler: AW

Well ID: MW-10 | Date Monitored: 11-12-12
Well Diameter: 2 in.
Total Depth: 29.04 ft.
Depth to Water: 12.28 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

16.76 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	✓
Metal Filters	✓
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0800
Sample Time/Date: 0850 / 11-13-12
Approx. Flow Rate: 200 mlpm
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 12.36

Weather Conditions: Cloudy
Water Color: Cloudy Odor: (Y) (N) Slight
Sediment Description: Cloudy

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0818	3.6	7.80	879	15.5	3.23	77	12.30
0821	4.2	7.81	869	15.6	3.20	79	12.35
0824	4.8	7.82	860	15.6	3.18	81	12.36

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~ 15.0 ft.

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: JP

Well ID MW-11
Well Diameter 2 in.
Total Depth 11.00 ft.
Depth to Water DRY ft.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: DRY

Date Monitored: 11/12/12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: WA M/D

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/12-14/12 (inclusive)

City: **Seattle, WA** Sampler: GM

Well ID MW-12 Date Monitored: 11/12/12

Well Diameter 2 in.

Total Depth 16.40 ft.

Depth to Water 11.10 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

5.30 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Peristaltic Pump
- QED Bladder Pump
- Other:

Sampling Equipment:
- Disposable Bailer
- Pressure Bailer
- Metal Filters
- Peristaltic Pump
- QED Bladder Pump
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

Sample Time/Date: / Water Color: Odor: Y / N

Approx. Flow Rate: mlpm Sediment Description:

Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: GM

Well ID MW-13
Well Diameter 2 in.
Total Depth 19.90 ft.
Depth to Water 17.98 ft.
1.92 xVF ___ = ___

Date Monitored: 11/12/12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: ___ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: ___ ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ gal
Amt Removed from Well: ___ gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA M.O

Add/Replaced Lock: ___ Add/Replaced Plug: ___ Add/Replaced Bolt: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: GM AW

Well ID MW-14
Well Diameter 2 in.
Total Depth 24.58 ft.
Depth to Water 11.41 ft.
13.17 xVF ~ = ~

Date Monitored: 11/12/12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: ~ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ~

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump ✓
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump ✓
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1210
Sample Time/Date: 1255 / 11-14-12
Approx. Flow Rate: 300 mlpm
Did well de-water? N If yes, Time: ~ Volume: ~ gal.

Weather Conditions: Cloudy
Water Color: Cloudy Odor: (Y) N / Strong
Sediment Description: Cloudy
DTW @ Sampling: 11.48

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1228	3.6	6.65	0.907	15.8	11.20	-88	11.43
1231	4.2	6.67	0.913	15.9	11.18	-90	11.47
1234	4.8	6.70	0.915	16.0	11.16	-92	11.48

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	1 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~ 13.5ft.

Add/Replaced Lock: ~ Add/Replaced Plug: ~ Add/Replaced Bolt: ~

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: GM AW

Well ID MW-15 Date Monitored: 11/12/12
Well Diameter 2 in.
Total Depth 24.25 ft.
Depth to Water 9.10 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

15.15 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump ✓
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer ✓
Metal Filters ✓
Peristaltic Pump ✓
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1110 Weather Conditions: Cloudy
Sample Time/Date: 1155 / 11-14-12 Water Color: Cloudy Odor: Y / (N)
Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 9.16

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~umhos/cm~~ mS)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1128	3.6	6.89	0.609	12.9	5.25	152	9.13
1131	4.2	6.90	0.613	12.9	5.20	144	9.15
1134	4.8	6.92	0.617	13.0	5.18	141	9.16

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-15	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~11.0ft

Add/Replaced Lock: — Add/Replaced Plug: — Add/Replaced Bolt: —

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12 -11/14 (inclusive)
City: Seattle, WA Sampler: AW GM

Well ID MW-16 Date Monitored: 11-12-12
Well Diameter 2 in.
Total Depth 24.85 ft.
Depth to Water 11.80 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

13.05 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	✓
Metal Filters	✓
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1310 Weather Conditions: Cloudy
Sample Time/Date: 1355 / 11-14-12 Water Color: Cloudy Odor: Y / N
Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.88

Time (2400 hr.)	Volume (Liters)	pH	Conductivity MS (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1328	3.6	7.31	0.999	[illegible] 15.2	10.25	90	11.83
1331	4.2	7.30	0.989	15.4	10.19	94	11.85
1334	4.8	7.30	0.988	15.4	10.15	97	11.88

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-16	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~14.0

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11.12/13/14.12 (inclusive)
City: Seattle, WA | Sampler: J.P

Well ID: MW-17
Well Diameter: 2 in.
Total Depth: 26.10 ft.
Depth to Water: 9.52 ft.
15.58 xVF — = —
Date Monitored: 11.12.12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.63

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer ✓
Metal Filters ✓
Peristaltic Pump X
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1100
Sample Time/Date: 1135 / 11.14.12
Approx. Flow Rate: 150 mlpm
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 9.92

Weather Conditions: OVERCAST
Water Color: CLEAR Odor: Y / (N)
Sediment Description: NONE

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm µS)	Temperature (C) F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1100	2.7	6.20	.481	13.2	—	-108.3	9.73
1121	5.2	6.21	.482	13.1	—	-108.6	9.92
1124	8.7	6.22	.482	13.1	—	-108.6	9.92

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-17	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 21-22 FD-1 & DUP-1 COLLECTED

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/12-14/12 (inclusive)

City: **Seattle, WA** Sampler: GM

Well ID: MW-18 Date Monitored: 11/12/12

Well Diameter: 2 in.

Total Depth: 24.20 ft.

Depth to Water: 11.25 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

12.95 xVF 0.17 = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	✓
Pressure Bailer	
Metal Filters	✓
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1100 Weather Conditions: CLOUDY / LT RAIN

Sample Time/Date: 1147 / 11/13/12 Water Color: CLOUDY Odor: (Y) / N MODERATE

Approx. Flow Rate: 200 mlpm Sediment Description: SL SILT

Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 11.39

Time (2400 hr.)	Volume (Liters)	pH	Conductivity µS/cm (µmhos/cm - µS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1115	3.6	6.51	0.705	15.1	2.64	-46	11.38
1118	4.2	6.50	0.704	14.9	2.63	-45	11.39
1121	4.8	6.48	0.703	14.8	2.61	-42	11.39

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-18	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ≈ 18.0 FT

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: JP GM AW

Well ID MW-19 Date Monitored: 11/12/12
Well Diameter 2 in.
Total Depth 24.35 ft.
Depth to Water 10.92 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

13.43 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA N/D

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/12-14/12 (inclusive)

City: **Seattle, WA** Sampler: JP GM AW

Well ID MW-20

Well Diameter 1 in.

Total Depth 19.82 ft.

Depth to Water 7.92 ft.

Date Monitored: 11/12/12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

11.90 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:

Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

Sample Time/Date: / Water Color: Odor: Y / N

Approx. Flow Rate: mlpm Sediment Description:

Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11.12/13/14.12 (inclusive)
City: Seattle, WA | Sampler: J.P

Well ID: MW-21 | Date Monitored: 11.12.12
Well Diameter: 2 in.
Total Depth: 35.25 ft.
Depth to Water: 25.76 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

9.49 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 27.65

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	X
Stack Pump		Metal Filters	X
Suction Pump		Peristaltic Pump	X
Grundfos		QED Bladder Pump	
Peristaltic Pump	X	Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1205 | Weather Conditions: RAIN
Sample Time/Date: 1240 / 11.12.12 | Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: 150 mlpm | Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 25.90

Time (2400 hr.)	Volume (Liters)	pH	MS Conductivity (~~umhos/cm~~ µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1223	2.7	6.33	.626	15.1	0	-148.9	25.90
1226	3.2	6.33	.626	15.1	0	-148.7	25.90
1229	3.7	6.33	.626	15.1	0	-148.6	25.90

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-21	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 27 - 180'

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/12-14/12 (inclusive)

City: **Seattle, WA** Sampler: GM

Well ID MW-23

Well Diameter 3/4 in.

Total Depth 13.00 ft.

Depth to Water 9.09 ft.

11.91 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

Date Monitored: 11/12/12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Purge Equipment:

- Disposable Bailer ___
- Stainless Steel Bailer ___
- Stack Pump ___
- Suction Pump ___
- Grundfos ___
- Peristaltic Pump ___
- QED Bladder Pump ___
- Other: ___

Sampling Equipment:

- Disposable Bailer ___
- Pressure Bailer ___
- Metal Filters ___
- Peristaltic Pump ___
- QED Bladder Pump ___
- Other: ___

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: ___ ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ gal
Amt Removed from Well: ___ gal
Water Removed: ___
Product Transferred to: ___

Start Time (purge): ___ Weather Conditions: ___

Sample Time/Date: ___ / ___ Water Color: ___ Odor: **Y / N** ___

Approx. Flow Rate: ___ mlpm Sediment Description: ___

Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Lock: ___ Add/Replaced Plug: ___ Add/Replaced Bolt: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA | Sampler: JL GM AW

Well ID: MW-24 | Date Monitored: 11/12/12
Well Diameter: 3/4 in.
Total Depth: 12.46 ft.
Depth to Water: 4.82 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

7.64 xVF ____ = ____ x3 case volume = Estimated Purge Volume: ____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ____

Purge Equipment:
Disposable Bailer ____
Stainless Steel Bailer ____
Stack Pump ____
Suction Pump ____
Grundfos ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Sampling Equipment:
Disposable Bailer ____
Pressure Bailer ____
Metal Filters ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft)
Depth to Water: ____ ft
Hydrocarbon Thickness: ____ ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ gal
Amt Removed from Well: ____ gal
Water Removed: ____
Product Transferred to: ____

Start Time (purge): ____ Weather Conditions: ____
Sample Time/Date: ____ / ____ Water Color: ____ Odor: Y / N ____
Approx. Flow Rate: ____ mlpm Sediment Description: ____
Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: ____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: N/A n/o

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Add/Replaced Bolt: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: GM AW

Well ID MW-25 Date Monitored: 11/12/12
Well Diameter 4 in.
Total Depth 22.96 ft.
Depth to Water 11.80 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

11.16 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump ✓
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump ✓
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0730 Weather Conditions: Overcast.
Sample Time/Date: 0815 / 11-14-12 Water Color: Clear Odor: (Y) N Slight
Approx. Flow Rate: 200 mlpm Sediment Description: Clear
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 11.87

Time (2400 hr.)	Volume (Liters)	pH	Conductivity MS (µmhos/cm - ●)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0748	3.6	6.88	0.805	14.3	4.71	125	11.83
0751	4.2	6.90	0.809	14.5	4.69	128	11.85
0754	4.8	6.92	0.810	14.5	4.65	130	11.87

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-25	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~14.0

Add/Replaced Lock: — Add/Replaced Plug: — Add/Replaced Bolt: —

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11.12/13/14.12 (inclusive)
City: Seattle, WA | Sampler: J.Payne

Well ID: MW-2b
Well Diameter: 4 in.
Total Depth: 22.75 ft.
Depth to Water: 10.69 ft.
Date Monitored: 11.12.12

Volume Factor (VF): 3/4"= 0.02 | (1"= 0.04) | 2"= 0.17 | 3"= 0.38 | 5"= 1.02 | 6"= 1.50 | 12"= 5.80

☐ Check if water column is less then 0.50 ft.

12.16 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.62

Purge Equipment:
- Disposable Bailer: ____
- Stainless Steel Bailer: ____
- Stack Pump: ____
- Suction Pump: ____
- Grundfos: ____
- Peristaltic Pump: X
- QED Bladder Pump: ____
- Other: ____

Sampling Equipment:
- Disposable Bailer: ____
- Pressure Bailer: X
- Metal Filters: X
- Peristaltic Pump: X
- QED Bladder Pump: ____
- Other: ____

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft
Depth to Water: ____ ft
Hydrocarbon Thickness: ____ ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ gal
Amt Removed from Well: ____ gal
Water Removed: ____
Product Transferred to: ____

Start Time (purge): 1134
Sample Time/Date: 1200 / 11.14.12
Approx. Flow Rate: 1400 mlpm
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 10.94

Weather Conditions: OVERCAST
Water Color: CLEAR Odor: Y / (N)
Sediment Description: NONE

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS) (~~mmhos/cm~~ - µS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1208	3.7	6.88	.512	14.9	ϕ	-102.6	10.93
1211	3.2	6.88	.510	14.9	ϕ	-102.9	10.94
1214	3.7	6.86	.510	14.8	ϕ	-102.8	10.94

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2b	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 15 - 16'

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Add/Replaced Bolt: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11.12/13/14.12 (inclusive)
City: Seattle, WA | Sampler: JF

Well ID: MW-3D
Well Diameter: 2 in.
Total Depth: 33.00 ft.
Depth to Water: 24.76 ft.
8.24 xVF — = —

Date Monitored: 11.12.12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.40

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	X
Metal Filters	X
Peristaltic Pump	X
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1005 | Weather Conditions: OVERCAST
Sample Time/Date: 1035 / 11.13.12 | Water Color: GREYISH | Odor: Y / (N)
Approx. Flow Rate: 100 mlpm | Sediment Description: GREYISH · SILTY
Did well de-water? NO | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 24.80

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (mS) (~~umhos/cm~~ ~~uS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1023	1.7	6.15	.586	14.8	1.10	37.3	24.80
1026	3.2	6.15	.588	14.9	1.09	37.8	24.80
1029	3.7	6.15	.583	14.9	1.14	40.0	24.80

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3D	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 26' - 27'
COLLECT FB-3 & DUP-3

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765

Site Address: 631 Queen Anne North Event Date: 11.12/13/14.12 (inclusive)

City: Seattle, WA Sampler: JP

Well ID MW-3

Well Diameter 2 in.

Total Depth 28.00 ft.

Depth to Water 20.00 ft.

8.00 xVF — = —

Date Monitored: 11.12.12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.60

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	X
Metal Filters	
Peristaltic Pump	X
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1120 Weather Conditions: OVERCAST

Sample Time/Date: 1150 / 11.13.12 Water Color: CLEAR Odor: Y / N

Approx. Flow Rate: 150 mlpm Sediment Description: CLEAR

Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 20.02

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (umhos/cm, mS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1138	2.7	6.24	.448	14.5	.82	71.7	20.02
1141	3.2	6.24	.448	14.5	.80	71.8	20.02
1144	3.7	6.24	.448	14.5	.80	72.0	20.02

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 24' - 25'

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11.12/13/14.12 (inclusive)
City: Seattle, WA | Sampler: J.P

Well ID MW-32
Well Diameter 2 in.
Total Depth 29.00 ft.
Depth to Water 11.38 ft.
17.62 xVF — = —
Date Monitored: 11.12.12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.90

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump x
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump x
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1260
Sample Time/Date: 1330 / 11.14.12
Approx. Flow Rate: 150 mlpm
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 11.93

Weather Conditions: OVERCAST
Water Color: CLEAR Odor: Y (N)
Sediment Description: NONE

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1300	2.7	6.99	.492	14.7	0	-123	11.67
1311	3.2	6.96	.490	14.6	0	-124.6	11.79
1314	3.7	6.96	.490	14.6	0	-124.6	11.93

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-32	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 19' — 29'

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.12/13/14.12 (inclusive)
City: Seattle, WA Sampler: JT

Well ID MW-33
Well Diameter 2 in.
Total Depth 34.30 ft.
Depth to Water 28.10 ft.
6.20 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 29.34

Date Monitored: 11.12.12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer X
Metal Filters X
Peristaltic Pump X
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0853 Weather Conditions: OVERCAST
Sample Time/Date: 0903 / 11.14.12 Water Color: CLEAR Odor: Y (N)
Approx. Flow Rate: 160 mlpm Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 28.60

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~umhos/cm~~ µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0851	2.7	6.34	.694	13.1	0	-204.5	28.60
0854	3.2	6.34	.694	13.1	0	-204.6	28.60
0857	3.7	6.34	.694	13.1	0	-204.6	28.60

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-33	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 31'-32'

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11.12/13/14.12 (inclusive)
City: Seattle, WA | Sampler: J.P

Well ID MW-34 | Date Monitored: 11.12.12
Well Diameter MW-2 in.
Total Depth ~~27.09~~ ft. 37.10
Depth to Water 27.09 ft. ☐ Check if water column is less then 0.50 ft.
10.01 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 29.09

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	(2"= 0.17)	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Purge Equipment:		Sampling Equipment:	
Disposable Bailer		Disposable Bailer	
Stainless Steel Bailer		Pressure Bailer	X
Stack Pump		Metal Filters	X
Suction Pump		Peristaltic Pump	X
Grundfos		QED Bladder Pump	
Peristaltic Pump	X	Other:	
QED Bladder Pump			
Other:			

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0900 | Weather Conditions: OVERCAST
Sample Time/Date: 0930/11.13.12 | Water Color: CLEAR | Odor: Y / (N)
Approx. Flow Rate: 150 mlpm | Sediment Description: ~~SLIGHT~~ NONE
Did well de-water? NO | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 27.11

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (~~µmhos/cm~~ µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0918	3.7	6.01	.464	16.2	9.66	100.8	27.11
0921	3.2	6.00	.465	16.2	9.70	107.3	27.11
0924	3.7	6.01	.465	15.2	9.73	107.1	27.11

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-34	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 32' - 40'

Add/Replaced Lock: _____ Add/Replaced Plug: ✓ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11.12/13/14.12 (inclusive)
City: Seattle, WA Sampler: JP

Well ID MW-35
Well Diameter 2 in.
Total Depth 37.30 ft.
Depth to Water 30.52 ft.
6.78 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 31.87

Date Monitored: 11.12.12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer X
Metal Filters X
Peristaltic Pump X
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0730 Weather Conditions: OVERCAST
Sample Time/Date: 0805 11.14.12 Water Color: CLEAR Odor: Y / (N)
Approx. Flow Rate: 150 mlpm Sediment Description: NONE
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 30.58

Time (2400 hr.)	Volume (Liters)	pH	Conductivity ~~(µmhos/cm - µS)~~ mS	Temperature (C) F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0748	2.7	6.39	.64	12.5	0	-81.4	30.58
0751	3.2	6.39	.64	12.5	0	-81.4	30.58
0754	3.7	6.39	.64	12.6	0	-81.6	30.58

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-35	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 33'-34' SOME DIFFICULTY PUMPING AT THESE DEPTHS

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**
Site Address: **631 Queen Anne North** Event Date: 11/12-14/12 (inclusive)
City: **Seattle, WA** Sampler: CM AW

Well ID RW-2 Date Monitored: 11/12/12
Well Diameter 8 in.
Total Depth 21.20 ft.
Depth to Water 13.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

7.70 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump ✓
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump ✓
QED Bladder Pump
Other:

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: ___ ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ gal
Amt Removed from Well: ___ gal
Water Removed: ___
Product Transferred to: ___

Start Time (purge): 0830 Weather Conditions: Overcast
Sample Time/Date: 0910 / 11-14-12 Water Color: Cloudy Odor: Y / N Strong
Approx. Flow Rate: 200 mlpm Sediment Description: Cloudy
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 13.57

Time (2400 hr.)	Volume (Liters)	pH	Conductivity MS (µmhos/cm ~~µS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0848	2.6	6.42	0.418	13.5	4.75	14	13.53
0851	4.2	6.47	0.422	13.5	4.70	19	13.54
0855	4.6	6.49	0.425	13.7	4.66	20	13.57

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
RW-2	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~ 15.0 ft.

Add/Replaced Lock: ___ Add/Replaced Plug: ___ Add/Replaced Bolt: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: GM

Well ID DPE-1(VP-6) Date Monitored: 11/12/12
Well Diameter 4 in.
Total Depth 21.35 ft.
Depth to Water 11.97 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

9.38 xVF ____ = ~ x3 case volume = Estimated Purge Volume: ~ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ~

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA m/o
Pump IN WELL

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11.12/13/14.12 (inclusive)

City: **Seattle, WA** Sampler: JF

Well ID MW2

Well Diameter 4 in.

Total Depth 24.65 ft.

Depth to Water 12.14 ft.

12.51 xVF — = —

Date Monitored: 11.12.12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Peristaltic Pump
- QED Bladder Pump
- Other:

Sampling Equipment:
- Disposable Bailer
- Pressure Bailer
- Metal Filters
- Peristaltic Pump
- QED Bladder Pump
- Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:

Sample Time/Date: / Water Color: Odor: Y / N

Approx. Flow Rate: mlpm Sediment Description:

Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: 10

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: JL, GM, AW

Well ID: DPE-3
Well Diameter: 4 in.
Total Depth: 18.80 ft.
Depth to Water: 12.44 ft.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.36

Date Monitored: 11/12/12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

___ xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/12-14/12 (inclusive)

City: **Seattle, WA** Sampler: JP

Well ID DPE-4 Date Monitored: 11/12/12

Well Diameter 4 in.

Total Depth 20.02 ft.

Depth to Water 11.85 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

8.17 xVF ___ = ___ x3 case volume = Estimated Purge Volume: ___ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Purge Equipment:
- Disposable Bailer
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Peristaltic Pump
- QED Bladder Pump
- Other:

Sampling Equipment:
- Disposable Bailer
- Pressure Bailer
- Metal Filters
- Peristaltic Pump
- QED Bladder Pump
- Other:

Time Started: ___ (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: ___ ft
Hydrocarbon Thickness: ___ ft
Visual Confirmation/Description: ___
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ___ gal
Amt Removed from Well: ___ gal
Water Removed: ___
Product Transferred to: ___

Start Time (purge): ___ Weather Conditions: ___

Sample Time/Date: ___ / ___ Water Color: ___ Odor: Y / N ___

Approx. Flow Rate: ___ mlpm Sediment Description: ___

Did well de-water? ___ If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: ___

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Lock: ___ Add/Replaced Plug: ___ Add/Replaced Bolt: ___

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11/12- 11/14 (inclusive)
City: Seattle, WA | Sampler: AW

Well ID: DPE-5 | Date Monitored: 11-12-12
Well Diameter: 4 in.
Total Depth: 26.82 ft.
Depth to Water: 15.35 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

11.47 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump ✓
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump ✓
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 1210 | Weather Conditions: Cloudy
Sample Time/Date: 1255 / 11-12-12 | Water Color: Cloudy | Odor Y / N / moderate
Approx. Flow Rate: 200 mlpm | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — Volume: — gal. DTW @ Sampling: 15.41

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1228	3.6	6.39	532	13.3	3.47	-71	15.38
1231	4.2	6.40	538	13.4	3.50	-69	15.4
1234	4.8	6.42	542	13.5	3.51	-69	15.41

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
DPE-5	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~16.0 ft.

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: **Chevron #211577** Job Number: **386765**

Site Address: **631 Queen Anne North** Event Date: 11/12 - 11/14 (inclusive)

City: **Seattle, WA** Sampler: AW

Well ID DPE-6 Date Monitored: 11-12-12

Well Diameter 4 in.

Total Depth 32.90 ft.

Depth to Water 19.90 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

13.00 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Metal Filters	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:

Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0905 Weather Conditions: Cloudy

Sample Time/Date: 0945 / 11-13-12 Water Color: Clear Odor: (Y) N Strong

Approx. Flow Rate: 200 mlpm Sediment Description: Clear

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 19.98

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0923	3.6	6.63	139	15.5	2.09	-129	19.93
0926	4.2	6.65	143	15.6	2.11	-131	19.95
0929	4.8	6.68	149	15.7	2.13	-134	19.98

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
DPE-6	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~22.0 ft.

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: GM

Well ID DPE-7 Date Monitored: 11/12/12
Well Diameter 4 in.
Total Depth 26.50 ft.
Depth to Water 19.50 ft. ☐ Check if water column is less then 0.50 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

7.00 xVF ____ = ____ x3 case volume = Estimated Purge Volume: ____ gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ____

Purge Equipment:
Disposable Bailer ____
Stainless Steel Bailer ____
Stack Pump ____
Suction Pump ____
Grundfos ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Sampling Equipment:
Disposable Bailer ____
Pressure Bailer ____
Metal Filters ____
Peristaltic Pump ____
QED Bladder Pump ____
Other: ____

Time Started: ____ (2400 hrs)
Time Completed: ____ (2400 hrs)
Depth to Product: ____ ft
Depth to Water: ____ ft
Hydrocarbon Thickness: ____ ft
Visual Confirmation/Description: ____
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: ____ gal
Amt Removed from Well: ____ gal
Water Removed: ____
Product Transferred to: ____

Start Time (purge): ____ Weather Conditions: ____
Sample Time/Date: ____ / ____ Water Color: ____ Odor: Y / N
Approx. Flow Rate: ____ mlpm Sediment Description: ____
Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: ____

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA M/O

Add/Replaced Lock: ____ Add/Replaced Plug: ____ Add/Replaced Bolt: ____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 | Job Number: 386765
Site Address: 631 Queen Anne North | Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA | Sampler: GM AW

Well ID: DPE-8 | Date Monitored: 11/12/12
Well Diameter: 4 in.
Total Depth: 23.35 ft.
Depth to Water: 13.19 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

10.16 xVF — = — x3 case volume = Estimated Purge Volume: — gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Purge Equipment:

Disposable Bailer	
Stainless Steel Bailer	
Stack Pump	
Suction Pump	
Grundfos	
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	✓
Metal Filters	✓
Peristaltic Pump	✓
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): 0920 | Weather Conditions: Cloudy
Sample Time/Date: 1000 / 11-14-12 | Water Color: Cloudy | Odor: Y / N / moderate
Approx. Flow Rate: 200 mlpm | Sediment Description: Cloudy
Did well de-water? N | If yes, Time: — | Volume: — gal. | DTW @ Sampling: 13.25

Time (2400 hr.)	Volume (Liters)	pH	Conductivity MS (µmhos/cm)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0938	3.6	6.42	0.825	13.4	3.17	7	13.21
0941	4.2	6.44	0.829	13.5	3.15	11	13.23
0944	4.8	6.46	0.831	13.6	3.11	13	13.25

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
DPE-8	6 x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	2 x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	1 x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	1 x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	1 x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: ~ 16.0 ft.

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #211577 Job Number: 386765
Site Address: 631 Queen Anne North Event Date: 11/12-14/12 (inclusive)
City: Seattle, WA Sampler: GM

Well ID DPE-9
Well Diameter 4 in.
Total Depth 16.76 ft.
Depth to Water 12.57 ft.
4 19 xVF — = — x3 case volume = Estimated Purge Volume: — gal.
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: —

Date Monitored: 11/12/12

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

☐ Check if water column is less then 0.50 ft.

Purge Equipment:
Disposable Bailer
Stainless Steel Bailer
Stack Pump
Suction Pump
Grundfos
Peristaltic Pump
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Metal Filters
Peristaltic Pump
QED Bladder Pump
Other:

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: ft
Hydrocarbon Thickness: ft
Visual Confirmation/Description:
Skimmer / Absorbant Sock (circle one)
Amt Removed from Skimmer: gal
Amt Removed from Well: gal
Water Removed:
Product Transferred to:

Start Time (purge): Weather Conditions:
Sample Time/Date: / Water Color: Odor: Y / N
Approx. Flow Rate: mlpm Sediment Description:
Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling:

Time (2400 hr.)	Volume (Liters)	pH	Conductivity (umhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
	x voa vial	YES	HCL	LANCASTER	NWTPH-Gx/BTEX(8260)
	x 1 liter ambers	YES	HCL	LANCASTER	NWTPH-Dx w/sg
	x 250ml ambers	YES	HCL	LANCASTER	FERROUS IRON (SM20 3500 Fe B)
	x 250ml poly	YES	NP	LANCASTER	ALKALINITY (SM20 2320 B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 250ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010B)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2D)

COMMENTS: Depth Pump Set At: NA M/O Pump in Well

Add/Replaced Lock: Add/Replaced Plug: Add/Replaced Bolt:

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: _____ Group #: _____ Sample #: _____

SCR #: _____

Facility #: SS#211577-OML G-R#386765 WBS: _____

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: EH Lead Consultant: SAICRS Shropshire

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanne L. Harding (deanne@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: J. Rhyne / G. Medina / A. Wong

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil	Air	Total Number of Containers	Analyses Requested / Preservation Code: BTEX + 8021 / 8260 Naphth	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX	Silica Gel Cleanup	Total	WAWPH	WAEPH	NWTPH H HCID	quantification	Ferrous Iron	Alkalinity	Nitrate	Sulfide
QA	11.13.12		X			X			2	X			X											
FB-3	11.13.12		X			X			6	X			X											
DUP-3	11.13.12		X			X			[redacted]	X			X	[redacted]							[redacted]			
MW-6	11.13.12	1155	X			X			14	X			X	X	X						X	X	X	X
MW-9	11.13.12	1045	X			X			14	X			X	X	X						X	X	X	X
MW-10	11.13.12	0950	X			X			14	X			X	X	X						X	X	X	X
MW-18	11.13.12	1147	X			X			14	X			X	X	X						X	X	X	X
MW-21	11.13.12	1240	X			X			14	X			X	X	X						X	X	X	X
MW-30	11.13.12	1035	X			X			14	X			X	X	X						X	X	X	X
MW-31	11.13.12	1150	X			X			14	X			X	X	X						X	X	X	X
MW-34	11.13.12	0930	X			X			14	X			X	X	X						X	X	X	X
VP-4	11.13.12	1045	X			X			[redacted]	X			X	X	[redacted]						[redacted]			
VP-6	11.13.12	0955	X			X			14	X			X	X	X						X	X	X	X

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm MTBE + Naphthalene
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run ____ oxy's on highest hit
- ☐ Run ____ oxy's on all hits

Comments /Remarks

PG 1 OF 2

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

Please forward the lab results directly to the Lead Consultant and cc: G-R.

SHORT HOLD'S

Turnaround Time Requested (TAT) (please circle)

STD. TAT | 24 hour | 72 hour | 4 day | 48 hour | 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary | Type I – Full | Type VI (Raw Data)

	Relinquished by:	Date	Time	Received by:	Date	Time
1		11.13.12	1730			
2	Relinquished by:	Date	Time	Received by:	Date	Time
3	Relinquished by:	Date	Time	Received by:	Date	Time
4	Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
					11-14-12	0945

Temperature Upon Receipt 0.6-2.6 °C

Custody Seals Intact? Yes No

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: ______ Group # ______ Sample #: ______

SCR #: ______

Facility #: SS#211577-OML G-R#386765 WBS:

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: EH Lead Consultant: SAICRS Shropshire

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: J. Payne / G. Medina / A. Wong

Matrix: ☐ Potable ☐ NPDES

Analyses Requested — Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + [redacted] 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX w/ Silica Gel Cleanup	Total ☐ Diss ☐ Method Metals	☐ WAVPH ☐ WAEPH	NWTPH HCID ☐ quantification	Ferrous Iron	Alkalinity	Nitrate, Nitrite	Sulfate
VP-8	11-13-12	[illegible]	X			X		14	X			X	X	X			X	X	X	X
OPE-5	11-13-12	1245	X			X		8 [redacted]	X			X	X	[redacted]		[redacted]				
OPE-6	11-13-12	0945	X			X		8 [redacted]	X			X	X	[redacted]		[redacted]				

☐ Results in Dry Weight
☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
☐ 8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ___ oxy's on highest hit
☐ Run ___ oxy's on all hits

Comments /Remarks

PG 2 of 2

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

Please forward the lab results directly to the Lead Consultant and cc: G-R.

Short Holds

Turnaround Time Requested (TAT) (please circle)

(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary Type I – Full
Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11-13-12	1700			

Relinquished by Commercial Carrier: UPS (FedEx) Other ______

Received by: [signature] Date 11-14-12 Time 0945

Temperature Upon Receipt 0.6-2.6 C°

Custody Seals Intact? (Yes) No

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3468.02

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. #: 11260 Group # 1349351 Sample #: 6860603-19

SCR #:

Facility #: SS#211577-OML G-R#386765 WBS:
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: EH Lead Consultant: SAICRS Shropshire
Consultant/Office: G-R, inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: J.Payne / A.Wong / G.Medina

Matrix: ☐ Potable ☐ NPDES; Soil ☐ Water ☐ Oil ☐ Air ☐

Analyses Requested / Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Total Number of Containers	BTEX + 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Lead ☐ Total ☐ Diss. ☐ Method IRON - MANGANESE only	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	FERROUS IRON SM20 3500	ALKALINITY 310.00	NITRATE-NITRITE-SULFATE SULFIDE SM20 4500
QA	11.14.12		X			X			X							
FB-1			X		6	X			X							
DUP-1			X		6	X			X							
FB-2			X		6	X			X							
DUP-2			X		6	X			X							
CANCEL ~~DPE-5~~		1255	X		8	X			X	X						
CANCEL ~~DPE-6~~		0945	X		8	X			X	X						
MW-4		1065	X		14	X			X	X	X			X	X	X
MW-14		1265	X		14	X			X	X	X			X	X	X
MW-15		1155	X		14	X			X	X	X			X	X	X
MW-16		1355	X		14	X			X	X	X			X	X	X
MW-17		1135	X		14	X			X	X	X			X	X	X
MW-25		0845	X		14	X			X	X	X			X	X	X

☐ Results in Dry Weight
☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
☐ 8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments /Remarks
SHORT HOLDS
FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: G-R.
Pg 1 of 2
QA for BTEX + GX per previous. jmp 11/16/12

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day
~~EDP/EDD~~

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data)

	Date	Time		Date	Time
Relinquished by:	11.14.12	1630	Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:	11.16.12	920
Relinquished by Commercial Carrier: UPS FedEx Other			Received by: ~~11/15~~		0925

Temperature Upon Receipt 0.6-2.7 °C 2.1 BJB 11.16.12
Custody Seals Intact? Yes No 11.15.12

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3468.02
KMW 11-15-12

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: 11260 Group #: 1349351 Sample #: 6860603-19

Facility #:	SS#211577-OML G-R#386765 WBS:
Site Address:	631 Queen Anne North, SEATTLE, WA
Chevron PM:	EH
Lead Consultant:	SAICRS Shropshire
Consultant/Office:	G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.:	Deanna L. Harding (deanna@grinc.com)
Consultant Phone #:	925-551-7555 Fax #: 925-551-7899
Sampler:	

SCR #:

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm MTBE + Naphthalene
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run ____ oxy's on highest hit
- ☐ Run ____ oxy's on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air ☐	Total Number of Containers	BTEX + Naphth ☐ 8021 ☐ 8260 ☐	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Lead ☐ Total ☐ Diss. ☐ Method 6010B	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	SM20 3500 FERROUS IRON	ALKALINITY SM20 2320	NITRATE/NITRITE SM20 4500	SULFATE SM20 4500
MW-26	11.14.12	1230	X			X		14	X			X	X	X			X	X	X	X
MW-37		1330	X			X		8	X			X	X							
MW-33		0905	X			X		14	X			X	X	X			X	X	X	X
MW-35		0905	X			X		14	X			X	X	X			X	X	X	X
DUP-B		1505	X			X		8	X			X	X	X			X	X	X	X
RW-2		0910	X			X		8	X			X	X				X	X	X	X

Comments /Remarks

Pg 2 of 2

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

Please forward the lab results directly to the Lead Consultant and cc: G-R.

Short Hold

Turnaround Time Requested (TAT) (please circle)

STD. TAT | 72 hour | 48 hour | 24 hour | 4 day | 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary | Type I – Full | Type VI (Raw Data)

	Date	Time
Relinquished by:	11.14.12	1630
Relinquished by:		
Relinquished by:		
Relinquished by Commercial Carrier: UPS FedEx Other		
Temperature Upon Receipt 0.6-2.2°C 2.1 °C 11-16-12		

	Date	Time
Received by:		
Received by:		
Received by:		
Received by:	11-15-12	0925
Custody Seals Intact? (Yes) No		

920

Attachment B:
Laboratory Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

November 28, 2012

Project: 211577

Submittal Date: 11/14/2012
Group Number: 1349018
PO Number: 0015103668
Release Number: BAUHS
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	6859147
FB-3 Grab Water Sample	6859148
DUP-3 Grab Water Sample	6859149
MW-6 Grab Water Sample	6859150
MW-9 Grab Water Sample	6859151
MW-10 Grab Water Sample	6859152
MW-18 Grab Water Sample	6859153
MW-21 Grab Water Sample	6859154
MW-30 Grab Water Sample	6859155
MW-31 Grab Water Sample	6859156
MW-34 Grab Water Sample	6859157
VP-4 Grab Water Sample	6859158
VP-5 Grab Water Sample	6859159
VP-8 Grab Water Sample	6859160
DPE-5 Grab Water Sample	6859161
DPE-6 Grab Water Sample	6859162

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

ELECTRONIC COPY TO	SAIC c/o Gettler-Ryan	Attn: Rachelle Munoz
ELECTRONIC COPY TO	SAIC	Attn: Jamalyn Green
ELECTRONIC COPY TO	SAIC	Attn: Russ Shropshire

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Respectfully Submitted,

Jill M. Parker

Jill M. Parker
Senior Specialist

(717) 556-7262

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Analysis Report

Sample Description: QA Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859147
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASQA

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**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C259

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z123201AA	11/15/2012 15:02	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123201AA	11/15/2012 15:02	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319B20A	11/16/2012 00:12	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319B20A	11/16/2012 00:12	Catherine J Schwarz	1

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Analysis Report

Sample Description: FB-3 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859148
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASF3

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C259

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	Z123201AA	11/15/2012 20:14	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123201AA	11/15/2012 20:14	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319B20A	11/16/2012 00:34	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319B20A	11/16/2012 00:34	Catherine J Schwarz	1

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Analysis Report

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Sample Description: DUP-3 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859149
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD3

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**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C259

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	D123212AA	11/16/2012 13:12	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D123212AA	11/16/2012 13:12	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319B20A	11/16/2012 05:19	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319B20A	11/16/2012 05:19	Catherine J Schwarz	1

Sample Description: MW-6 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859150
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 11:55 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASM6

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	
10943	Benzene	71-43-2	9	0.5	1
10943	Ethylbenzene	100-41-4	2	0.5	1
10943	Toluene	108-88-3	1	0.5	1
10943	Xylene (Total)	1330-20-7	3	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	370	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	1,600	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	190	71	1
	The reverse surrogate, capric acid, is present at <1%.				
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	14,800	33.3	1
07058	Manganese	7439-96-5	16,000	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	140,000	6,000	20
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	459,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	4,400	200	20
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	1,900	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123201AA	11/15/2012 21:01	Daniel H Heller	1

Sample Description: MW-6 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859150
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 11:55 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASM6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123201AA	11/15/2012 21:01	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319B20A	11/16/2012 05:41	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319B20A	11/16/2012 05:41	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123200019A	11/20/2012 16:44	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123200019A	11/16/2012 06:00	Roman Kuropatkin	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 07:54	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 07:54	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903A	11/15/2012 06:25	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903A	11/15/2012 06:25	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903A	11/18/2012 21:34	Christopher D Meeks	20
12150	Total Alkalinity	SM20 2320 B	1	12321002104B	11/16/2012 21:20	Michele L Graham	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	20
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	1

Sample Description: MW-9 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859151
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 10:50 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASM9

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	190	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	2,700	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	150	71	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	19,300	33.3	1
07058	Manganese	7439-96-5	18,700	4.2	5
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	49,900	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	295,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	7,600	200	20
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	3,400	220	4

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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123201AA	11/15/2012 21:25	Daniel H Heller	1

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Analysis Report

Sample Description: MW-9 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859151
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 10:50 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASM9

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123201AA	11/15/2012 21:25	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319B20A	11/16/2012 06:03	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319B20A	11/16/2012 06:03	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123200019A	11/20/2012 17:07	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123200019A	11/16/2012 06:00	Roman Kuropatkin	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 06:59	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 21:30	Tara L Snyder	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903A	11/15/2012 06:39	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903A	11/15/2012 06:39	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903A	11/15/2012 06:39	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12321002105B	11/17/2012 00:07	Michele L Graham	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	20
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	4

Sample Description: MW-10 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859152
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 08:50 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS10

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	180	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	230	70	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	9,830	33.3	1
07058	Manganese	7439-96-5	7,700	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	91,200	3,000	10
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	153,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	87	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123201AA	11/15/2012 21:49	Daniel H Heller	1

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Analysis Report

Sample Description: MW-10 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859152
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 08:50 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123201AA	11/15/2012 21:49	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319B20A	11/16/2012 06:25	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319B20A	11/16/2012 06:25	Catherine J Schwarz	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123200019A	11/20/2012 17:30	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123200019A	11/16/2012 06:00	Roman Kuropatkin	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 07:58	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 07:58	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 06:54	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 06:54	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903B	11/18/2012 21:49	Christopher D Meeks	10
12150	Total Alkalinity	SM20 2320 B	1	12321002105A	11/16/2012 21:59	Michele L Graham	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	1

Sample Description: MW-18 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859153
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 11:47 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS18

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	
10943	Benzene	71-43-2	48	5	10
10943	Ethylbenzene	100-41-4	N.D.	5	10
10943	Toluene	108-88-3	N.D.	5	10
10943	Xylene (Total)	1330-20-7	N.D.	5	10
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	1,500	250	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	37	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	11,200	33.3	1
07058	Manganese	7439-96-5	2,230	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	5,800	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	240,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	4,400	100	10
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123201AA	11/15/2012 22:13	Daniel H Heller	10

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Analysis Report

Sample Description: MW-18 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859153
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 11:47 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
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San Ramon CA 94583

QAS18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123201AA	11/15/2012 22:13	Daniel H Heller	10
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319A94A	11/19/2012 23:54	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12319A94A	11/19/2012 23:54	Marie D John	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123200019A	11/20/2012 17:53	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123200019A	11/16/2012 06:00	Roman Kuropatkin	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 08:02	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 08:02	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 07:36	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 07:36	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903B	11/15/2012 07:36	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12321002105B	11/16/2012 23:02	Michele L Graham	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	10
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	1

Sample Description: MW-21 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859154
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 12:40 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS21

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	
10943	Benzene	71-43-2	43	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	69	68	1
	The reverse surrogate, capric acid, is present at <1%.				
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	8,670	33.3	1
07058	Manganese	7439-96-5	401	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	38,300	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	260,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	4,800	100	10
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123201AA	11/15/2012 22:37	Daniel H Heller	1

Sample Description: MW-21 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859154
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 12:40 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
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L4310
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QAS21

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123201AA	11/15/2012 22:37	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319A94A	11/19/2012 19:38	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319A94A	11/19/2012 19:38	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/22/2012 04:43	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 08:05	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 08:05	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 07:50	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 07:50	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903B	11/15/2012 07:50	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12321002105A	11/16/2012 22:10	Michele L Graham	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	10
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	1

Sample Description: MW-30 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859155
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 10:35 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
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San Ramon CA 94583

QAS30

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	7,350	33.3	1
07058	Manganese	7439-96-5	961	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	11,700	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	30,700	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	205,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	27	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123201AA	11/15/2012 23:01	Daniel H Heller	1

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Analysis Report

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Sample Description: MW-30 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859155
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 10:35 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

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QAS30

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123201AA	11/15/2012 23:01	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319A94A	11/19/2012 20:04	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319A94A	11/19/2012 20:04	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/22/2012 05:06	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 08:09	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 08:09	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 08:05	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 08:05	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903B	11/15/2012 08:05	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12321002105A	11/16/2012 22:16	Michele L Graham	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	1

Sample Description: MW-31 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859156
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 11:50 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
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QAS31

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	201	33.3	1
07058	Manganese	7439-96-5	4.7	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	40,600	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	140,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	12	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123211AA	11/16/2012 22:38	Daniel H Heller	1

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Analysis Report

Sample Description: MW-31 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859156
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 11:50 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

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San Ramon CA 94583

QAS31

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123211AA	11/16/2012 22:38	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319A94A	11/19/2012 21:46	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319A94A	11/19/2012 21:46	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/22/2012 05:29	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 08:13	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 08:13	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 08:19	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 08:19	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903B	11/15/2012 08:19	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12321002105A	11/16/2012 21:54	Michele L Graham	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	1

Sample Description: MW-34 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859157
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 09:30 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

QAS34

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	262	33.3	1
07058	Manganese	7439-96-5	8.0	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	11,300	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	26,400	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	100,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123211AA	11/16/2012 15:28	Daniel H Heller	1

Sample Description: MW-34 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859157
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 09:30 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS34

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123211AA	11/16/2012 15:28	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319A94A	11/19/2012 22:12	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319A94A	11/19/2012 22:12	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/22/2012 05:52	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 08:25	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 08:25	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 08:33	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 08:33	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903B	11/15/2012 08:33	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12321002105A	11/16/2012 22:05	Michele L Graham	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	1

Sample Description: VP-4 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859158
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 10:45 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASV4

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	
10943	Benzene	71-43-2	1	0.5	1
10943	Ethylbenzene	100-41-4	0.5	0.5	1
10943	Toluene	108-88-3	0.6	0.5	1
10943	Xylene (Total)	1330-20-7	2	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	350	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	26,000	150	5
12005	HRO C24-C40 w/Si Gel	n.a.	3,300	340	5

Due to the dilution of the sample extract, capric acid recovery can not be determined.

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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123211AA	11/16/2012 15:52	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123211AA	11/16/2012 15:52	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319A94A	11/19/2012 22:37	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319A94A	11/19/2012 22:37	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/27/2012 06:42	Christine E Dolman	5
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1

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Analysis Report

Sample Description: VP-5 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859159
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 09:55 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASV5

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**	
10943	Benzene	71-43-2	1	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	33	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
	The reverse surrogate, capric acid, is present at <1%.				
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	10,500	33.3	1
07058	Manganese	7439-96-5	8,710	0.83	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	530	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	64,400	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	48,700	700	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	530	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123211AA	11/16/2012 16:16	Daniel H Heller	1

Sample Description: VP-5 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859159
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 09:55 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASV5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123211AA	11/16/2012 16:16	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319A94A	11/19/2012 23:03	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319A94A	11/19/2012 23:03	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/28/2012 06:14	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 08:28	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 08:28	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 08:47	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 08:47	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903B	11/15/2012 08:47	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 01:25	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	1

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Analysis Report

Sample Description: VP-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859160
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 09:00 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASV8

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**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	84	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	770	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	150	69	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	178,000	33.3	1
07058	Manganese	7439-96-5	3,690	0.83	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	3,300	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	51,900	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	141,000	700	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	170	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123211AA	11/16/2012 16:40	Daniel H Heller	1

Sample Description: VP-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859160
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 09:00 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
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QASV8

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123211AA	11/16/2012 16:40	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12319A94A	11/19/2012 23:29	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12319A94A	11/19/2012 23:29	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/22/2012 06:37	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	123211848005	11/18/2012 08:32	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	123211848005	11/18/2012 08:32	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848005	11/17/2012 07:37	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 09:01	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12319655903B	11/15/2012 09:01	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12319655903B	11/15/2012 09:01	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 01:40	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12325834401A	11/20/2012 00:45	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023001A	11/19/2012 09:10	Michele L Graham	1

Sample Description: DPE-5 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859161
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 12:55 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
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QASD5

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**	
10943	Benzene	71-43-2	5	0.5	1
10943	Ethylbenzene	100-41-4	56	0.5	1
10943	Toluene	108-88-3	2	0.5	1
10943	Xylene (Total)	1330-20-7	46	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	580	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	260	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	72	1

The reverse surrogate, capric acid, is present at <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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123211AA	11/16/2012 17:04	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123211AA	11/16/2012 17:04	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 20:21	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 20:21	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/22/2012 07:00	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1

Sample Description: DPE-6 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 6859162
LLI Group # 1349018
Account # 11260

Project Name: 211577

Collected: 11/13/2012 09:45 by JP

Submitted: 11/14/2012 09:45
Reported: 11/28/2012 10:57

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

QASD6

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	
10943	Benzene	71-43-2	4	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	0.6	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	220	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	94	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	71	1

The reverse surrogate, capric acid, is present at <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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123211AA	11/16/2012 17:27	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123211AA	11/16/2012 17:27	Daniel H Heller	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 20:47	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 20:47	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/22/2012 07:23	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1

Quality Control Summary

Client Name: Chevron Group Number: 1349018
Reported: 11/28/12 at 10:57 AM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D123212AA	Sample number(s): 6859149							
Benzene	N.D.	0.5	ug/l	81	80	77-121	2	30
Ethylbenzene	N.D.	0.5	ug/l	95	94	79-120	1	30
Toluene	N.D.	0.5	ug/l	88	87	79-120	1	30
Xylene (Total)	N.D.	0.5	ug/l	90	89	77-120	1	30
Batch number: Z123201AA	Sample number(s): 6859147-6859148,6859150-6859155							
Benzene	N.D.	0.5	ug/l	86		77-121		
Ethylbenzene	N.D.	0.5	ug/l	94		79-120		
Toluene	N.D.	0.5	ug/l	93		79-120		
Xylene (Total)	N.D.	0.5	ug/l	96		77-120		
Batch number: Z123211AA	Sample number(s): 6859156-6859162							
Benzene	N.D.	0.5	ug/l	93		77-121		
Ethylbenzene	N.D.	0.5	ug/l	93		79-120		
Toluene	N.D.	0.5	ug/l	95		79-120		
Xylene (Total)	N.D.	0.5	ug/l	96		77-120		
Batch number: 12319A94A	Sample number(s): 6859153-6859160							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	97		75-135		
Batch number: 12319B20A	Sample number(s): 6859147-6859152							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	88	85	75-135	3	30
Batch number: 12324B07A	Sample number(s): 6859161-6859162							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	89	91	75-135	2	30
Batch number: 123200019A	Sample number(s): 6859150-6859153							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	66	61	50-120	8	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 123220010A	Sample number(s): 6859154-6859162							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	70	52	50-120	30*	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 123211848005	Sample number(s): 6859150-6859157,6859159-6859160							
Iron	N.D.	33.3	ug/l	93		90-112		
Manganese	N.D.	0.83	ug/l	99		90-110		
Batch number: 12319655903A	Sample number(s): 6859150-6859151							
Nitrate Nitrogen	N.D.	50.	ug/l	104		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	105		90-110		
Sulfate	N.D.	300.	ug/l	104		90-110		

*- 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: Chevron
Group Number: 1349018
Reported: 11/28/12 at 10:57 AM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 12319655903B	Sample number(s): 6859152-6859157,6859159-6859160							
Nitrate Nitrogen	N.D.	50.	ug/l	104		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	105		90-110		
Sulfate	N.D.	300.	ug/l	104		90-110		
Batch number: 12321002104B	Sample number(s): 6859150							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	102		90-110		
Batch number: 12321002105A	Sample number(s): 6859152,6859154-6859157							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	102		90-110		
Batch number: 12321002105B	Sample number(s): 6859151,6859153							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	102		90-110		
Batch number: 12324023001A	Sample number(s): 6859150-6859157,6859159-6859160							
Sulfide	N.D.	54.	ug/l	94		90-110		
Batch number: 12325834401A	Sample number(s): 6859150-6859157,6859159-6859160							
Ferrous Iron	N.D.	10.	ug/l	97		93-105		
Batch number: 12327005101A	Sample number(s): 6859159-6859160							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	102		90-110		

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: Z123201AA	Sample number(s): 6859147-6859148,6859150-6859155 UNSPK: P855269								
Benzene	99	104	72-134	5	30				
Ethylbenzene	102	109	71-134	6	30				
Toluene	102	109	80-125	7	30				
Xylene (Total)	105	112	79-125	7	30				
Batch number: Z123211AA	Sample number(s): 6859156-6859162 UNSPK: P859319								
Benzene	106	105	72-134	0	30				
Ethylbenzene	104	103	71-134	2	30				
Toluene	106	107	80-125	0	30				
Xylene (Total)	107	105	79-125	1	30				
Batch number: 123211848005	Sample number(s): 6859150-6859157,6859159-6859160 UNSPK: 6859151 BKG: 6859151								
Iron	152 (2)	134 (2)	75-125	1	20	19,300	20,500	6	20
Manganese	267 (2)	76 (2)	75-125	5	20	18,700	20,500	9	20
Batch number: 12319655903A	Sample number(s): 6859150-6859151 UNSPK: P858771 BKG: P858771								
Nitrate Nitrogen	105		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	106		90-110			N.D.	N.D.	0 (1)	20

*- 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: Chevron Group Number: 1349018
Reported: 11/28/12 at 10:57 AM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Sulfate	107		90-110			N.D.	N.D.	0 (1)	20
Batch number: 12319655903B	Sample number(s): 6859152-6859157,6859159-6859160 UNSPK: P858773 BKG: P858773								
Nitrate Nitrogen	104		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	102		90-110			N.D.	N.D.	0 (1)	20
Sulfate	108		90-110			56,000	56,700	1	20
Batch number: 12321002104B	Sample number(s): 6859150 UNSPK: P856726 BKG: P856732								
Total Alkalinity	58*		73-121			368,000	366,000	1	5
Batch number: 12321002105A	Sample number(s): 6859152,6859154-6859157 UNSPK: P858740 BKG: P858740								
Total Alkalinity	-4 (2)	-9 (2)	73-121	1	5	1,000,000	992,000	1	5
Batch number: 12321002105B	Sample number(s): 6859151,6859153 UNSPK: P858740 BKG: 6859153								
Total Alkalinity	-4 (2)	-9 (2)	73-121	1	5	240,000	238,000	1	5
Batch number: 12324023001A	Sample number(s): 6859150-6859157,6859159-6859160 UNSPK: 6859152 BKG: 6859152								
Sulfide	81	89	43-137	9	16	N.D.	N.D.	0 (1)	5
Batch number: 12325834401A	Sample number(s): 6859150-6859157,6859159-6859160 UNSPK: 6859151 BKG: 6859151								
Ferrous Iron	97	99	81-112	1	6	7,600	7,900	4 (1)	5
Batch number: 12327005101A	Sample number(s): 6859159-6859160 UNSPK: 6859159 BKG: 6859159								
Total Alkalinity	97		73-121			48,700	48,900	0	5

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: UST VOCs by 8260B - Water
Batch number: D123212AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6859149	111	99	100	110
Blank	113	98	99	110
LCS	111	104	98	112
LCSD	112	106	101	113
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z123201AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6859147	93	97	97	89
6859148	95	91	98	89
6859150	93	93	97	94
6859151	94	93	99	93

*- 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: Chevron Group Number: 1349018
Reported: 11/28/12 at 10:57 AM

Surrogate Quality Control

6859152	94	89	98	96
6859153	93	90	100	93
6859154	91	94	99	94
6859155	95	95	98	89
Blank	93	95	97	90
LCS	92	96	97	98
MS	93	95	98	98
MSD	92	92	98	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z123211AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6859156	94	95	97	89
6859157	93	95	99	90
6859158	93	98	97	92
6859159	93	96	98	89
6859160	91	96	98	89
6859161	92	95	99	96
6859162	90	92	98	96
Blank	90	95	98	91
LCS	90	97	98	98
MS	90	95	97	96
MSD	89	96	98	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 12319A94A

	Trifluorotoluene-F
6859153	89
6859154	71
6859155	91
6859156	73
6859157	73
6859158	78
6859159	75
6859160	91
Blank	72
LCS	90
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 12319B20A

	Trifluorotoluene-F
6859147	72
6859148	71
6859149	72
6859150	75
6859151	75
6859152	77

*- 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: Chevron Group Number: 1349018
Reported: 11/28/12 at 10:57 AM

Surrogate Quality Control

Blank	74
LCS	94
LCSD	92
Limits:	63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 12324B07A

	Trifluorotoluene-F
6859161	86
6859162	99
Blank	80
LCS	88
LCSD	80
Limits:	63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 123200019A

	Orthoterphenyl
6859150	63
6859151	107
6859152	65
6859153	69
Blank	62
LCS	74
LCSD	67
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 123220010A

	Orthoterphenyl
6859154	69
6859155	61
6859156	59
6859157	60
6859158	84
6859159	74
6859160	50
6859161	65
6859162	67
Blank	62
LCS	75
LCSD	59
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.

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

AMENDED

For Lancaster Laboratories use only

Acct. #: 11260 Group # 1349018 Sample #: 6859147-62

SCR #:

Facility #: SS#211577-OML G-R#386765 WBS:

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: EH Lead Consultant: SAICRS Shropshire

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanne L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: J. Payne / G. Medina / A. Wong

Matrix: ☐ Potable ☐ NPDES

Analyses Requested — Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX [redacted] 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Total ☐ Diss. ☐ Method 6010B Iron & Manganese	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	Ferrous Iron SM20 3500	Alkalinity SM20 2320	Nitrate / Nitrite 300	Sulfide SM20 4500
QA	11.13.12		X			X		2	X			X								
FB.3	11.13.12		X			X		6	X			X								
DUP.3	11.13.12		X			X		6 [redacted]	X			X	[redacted]				[redacted]			
MW.6	11.13.12	1156	X			X		14	X			X	X	X			X	X	X	X
MW.9	11.13.12	1050	X			X		14	X			X	X	X			X	X	X	X
MW.10	11.13.12	0850	X			X		14	X			X	X	X			X	X	X	X
MW.13	11.13.12	1147	X			X		14	X			X	X	X			X	X	X	X
MW.21	11.13.12	1240	X			X		14	X			X	X	X			X	X	X	X
MW.30	11.13.12	1035	X			X		14	X			X	X	X			X	X	X	X
MW.31	11.13.12	1150	X			X		14	X			X	X	X			X	X	X	X
MW.34	11.13.12	0930	X			X		14	X			X	X	X			X	X	X	X
VP.4	11.13.12	1045	X			X		9 [redacted]	X			X	X	[redacted]			[redacted]			
VP.5	11.13.12	0955	X			X		14	X			X	X	X			X	X	X	X

☐ Results in Dry Weight
☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
☐ 8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments / Remarks

PG 1 OF 2

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

Please forward the lab results directly to the Lead Consultant and cc: G-R.

SHORT HOLDS

Turnaround Time Requested (TAT) (please circle)

STD. TAT (circled) 72 hour 48 hour
24 hour 4 day 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary Type I – Full
Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11.13.12	1700			

Relinquished by Commercial Carrier: UPS FedEx (circled) Other ____

Received by: [signature] Date: 11-14-12 Time: 0945

Temperature Upon Receipt 0.6-2.6 C°

Custody Seals Intact? Yes (circled) No

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3468.02

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

AMENDED

For Lancaster Laboratories use only

Acct. #: 11260 Group # 1349018 Sample #: 6859147-62

SCR #:

Facility #: SS#211577-OML G-R#386765 WBS:

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: EH Lead Consultant: SAICRS Shropshire

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: J. PAYNE / G. MEDINA / A. WONG

Matrix: ☐ Potable ☐ NPDES

Analyses Requested — Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + [illegible] 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method 6020	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	FERROUS IRON 3500	ALKALINITY 2320	NITRATE-NITRITE 300	SULFIDE SM20 4500
VP-8	11-13-12	0900	X			X		14	X			X	X	X			X	X	X	X
DPE-5	11-13-12	1265	X			X	8	10	X			X	X	[illegible]			~~X~~	~~X~~	~~X~~	~~X~~
DPE-6	11-13-12	0945	X			X	8	10	X			X	X	[illegible]			~~X~~	~~X~~	~~X~~	~~X~~

☐ Results in Dry Weight
☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
☐ 8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments /Remarks

PG 2 OF 2

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

Please forward the lab results directly to the Lead Consultant and cc: G-R.

SHORT HOLDS

Turnaround Time Requested (TAT) (please circle)

(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary Type I – Full
Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11-13-12	1700			

Relinquished by Commercial Carrier: UPS (FedEx) Other______

Received by: [signature] Date 11-14-12 Time 0945

Temperature Upon Receipt 0.6-2.6 C°

Custody Seals Intact? (Yes) No

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

3468.02

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: 11260 Group # 1349018 Sample #: 685947-62

Facility #: SS#211577-OML G-R#386765 WBS:

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: EH Lead Consultant: SAICRS Shropshire

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: J. PAYNE / G. MEDINA / A. WONG

SCR #:

Matrix: ☐ Potable ☐ NPDES; Soil ☐ Oil ☐ Air ☐ Water

Analyses Requested / Preservation Codes

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm MTBE + Naphthalene
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run ____ oxy's on highest hit
- ☐ Run ____ oxy's on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Water	Total # of Containers	BTEX + 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX ☒ Silica Gel Cleanup	Total ☐ Diss. ☐ Method 6010B Iron	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	SM3500 Ferrous Iron	SM2320 Alkalinity	Nitrate	SM4500 Sulfide
D.A.	11.13.12		X		X	2	X			X								
FB.3	11.13.12		X		X	6	X			X								
DUP.3	11.13.12		X		X	14	X			X	X	X			X	X	X	X
MW.6	11.13.12	1155	X		X	14	X			X	X	X			X	X	X	X
MW.9	11.13.12	1050	X		X	14	X			X	X	X			X	X	X	X
MW.10	11.13.12	0850	X		X	14	X			X	X	X			X	X	X	X
MW.18	11.13.12	1147	X		X	14	X			X	X	X			X	X	X	X
MW.21	11.13.12	1240	X		X	14	X			X	X	X			X	X	X	X
MW.30	11.13.12	1035	X		X	14	X			X	X	X			X	X	X	X
MW.31	11.13.12	1150	X		X	14	X			X	X	X			X	X	X	X
MW.34	11.13.12	0930	X		X	14	X			X	X	X			X	X	X	X
VP.4	11.13.12	1045	X		X	14	X			X	X	X			X	X	X	X
VP.5	11.13.12	0955	X		X	14	X			X	X	X			X	X	X	X

Comments /Remarks

Pg 1 of 2

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

Please forward the lab results directly to the Lead Consultant and cc: G-R.

SHORT HOLDS

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour

24 hour 4 day 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary Type I – Full

Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
	11.13.12	1700			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	11-14-15	0945

Temperature Upon Receipt 0.6-2.6 C°

Custody Seals Intact? Yes No

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. #: 11260 Group # 1349018 Sample #: 6859147-62

SCR #:

Facility #: SS#211577-OML G-R#386765 WBS:
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: EH Lead Consultant: SAICRS Shropshire
Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: J.PAYNE / G.MEDINA / A.WONG

Matrix: ☐ Potable ☐ NPDES; Soil, Water, Oil ☐ Air ☐

Analyses Requested — # Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil ☐ Air ☐	Total Number of Containers	BTEX + ■ 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates ___	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Iron, Manganese Total ☐ Diss. ☐ Method 6010B	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	FERROUS IRON 6MOD	ALKALINITY 2320	NITRATE, NITRITE, SULFIDE SM20 4500	SX FIDE SM20 4500
VP.8	11.13.12	0900	X			X		14	X			X	X	X			X	X	X	X
DPE.5	11.13.12	1755	X			X		14	X			X	X	X			X	X	X	X
DPE.6	11.13.12	0945	X			X		14	X			X	X	X			X	X	X	X

☐ Results in Dry Weight
☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
☐ 8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments /Remarks

PG 2 OF 2

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED
Please forward the lab results directly to the Lead Consultant and cc: G-R.

SHORT HOLDS

Turnaround Time Requested (TAT) (please circle)
STD. TAT 72 hour 48 hour
24 hour 4 day 5 day
EDF/EDD

Data Package Options (please circle if required)
QC Summary Type I – Full
Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
	11.13.12	1700			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
				11.14.12	0945

Temperature Upon Receipt 0.6-2.6 C°
Custody Seals Intact? (Yes) No

eurofins | Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

November 29, 2012

Project: 211577

Submittal Date: 11/15/2012
Group Number: 1349351
PO Number: 0015103668
Release Number: BAUHS
State of Sample Origin: WA

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	6860603
FB-1 Grab Water Sample	6860604
DUP-1 Grab Water Sample	6860605
FB-2 Grab Water Sample	6860606
DUP-2 Grab Water Sample	6860607
MW-4 Grab Water Sample	6860608
MW-14 Grab Water Sample	6860609
MW-15 Grab Water Sample	6860610
MW-16 Grab Water Sample	6860611
MW-17 Grab Water Sample	6860612
MW-25 Grab Water Sample	6860613
MW-26 Grab Water Sample	6860614
MW-32 Grab Water Sample	6860615
MW-33 Grab Water Sample	6860616
MW-35 Grab Water Sample	6860617
DPE-8 Grab Water Sample	6860618
RW-2 Grab Water Sample	6860619

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

ELECTRONIC COPY TO	SAIC c/o Gettler-Ryan	Attn: Rachelle Munoz
ELECTRONIC COPY TO	SAIC	Attn: Jamalyn Green
ELECTRONIC COPY TO	SAIC	Attn: Russ Shropshire

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Respectfully Submitted,

Jill M. Parker

Jill M. Parker
Senior Specialist

(717) 556-7262

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Analysis Report

Sample Description: QA Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860603
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAQAS

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**	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C259

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/16/2012 20:00	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/16/2012 20:00	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 13:08	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 13:08	Marie D John	1

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Analysis Report

Sample Description: FB-1 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860604
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASF1

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C259

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F123212AA	11/16/2012 15:09	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123212AA	11/16/2012 15:09	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 13:33	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 13:33	Marie D John	1

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Analysis Report

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Sample Description: DUP-1 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860605
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD1

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	
10943	Benzene	71-43-2	4	0.5	1
10943	Ethylbenzene	100-41-4	0.7	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	0.7	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	100	50	1

General Sample Comments

State of Washington Lab Certification No. C259

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 00:04	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 00:04	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 14:24	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 14:24	Marie D John	1

Sample Description: FB-2 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860606
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASF2

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C259

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F123212AA	11/16/2012 15:31	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123212AA	11/16/2012 15:31	Anita M Dale	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 13:59	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 13:59	Marie D John	1

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Analysis Report

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Sample Description: DUP-2 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860607
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASD2

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1

General Sample Comments

State of Washington Lab Certification No. C259

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 00:25	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 00:25	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 14:50	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 14:50	Marie D John	1

Sample Description: MW-4 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860608
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 10:55 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
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QASM4

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	
10943	Benzene	71-43-2	30	0.5	1
10943	Ethylbenzene	100-41-4	2	0.5	1
10943	Toluene	108-88-3	0.8	0.5	1
10943	Xylene (Total)	1330-20-7	3	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	2,700	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	290	31	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	72	1
	The reverse surrogate, capric acid, is present at <1%.				
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	4,180	33.3	1
07058	Manganese	7439-96-5	6,530	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	8,600	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	427,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	1,400	50	5
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 00:47	Kevin A Sposito	1

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Analysis Report

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Sample Description: MW-4 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860608
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 10:55 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASM4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 00:47	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12332A94A	11/28/2012 20:19	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12332A94A	11/28/2012 20:19	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123220010A	11/22/2012 07:45	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123220010A	11/19/2012 09:45	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 23:13	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 23:13	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655601B	11/16/2012 01:33	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655601B	11/16/2012 01:33	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655601B	11/18/2012 18:58	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:03	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	5
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	1

Sample Description: MW-14 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860609
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 12:55 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
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San Ramon CA 94583

QAS14

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	
10943	Benzene	71-43-2	13	0.5	1
10943	Ethylbenzene	100-41-4	18	0.5	1
10943	Toluene	108-88-3	5	0.5	1
10943	Xylene (Total)	1330-20-7	110	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	4,500	250	5
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	500	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	61,400	33.3	1
07058	Manganese	7439-96-5	8,030	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	12,700	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	420,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	11,800	1,000	100
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	13,300	1,100	20

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
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 01:09	Kevin A Sposito	1

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Analysis Report

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Sample Description: MW-14 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860609
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 12:55 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
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San Ramon CA 94583

QAS14

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 01:09	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 21:38	Marie D John	5
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 21:38	Marie D John	5
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 15:56	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 22:49	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 22:49	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655601B	11/16/2012 02:18	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655601B	11/16/2012 02:18	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655601B	11/18/2012 19:44	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:08	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	100
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	20

Sample Description: MW-15 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860610
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 11:55 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

QAS15

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	
10943	Benzene		71-43-2	2	0.5	1
10943	Ethylbenzene		100-41-4	N.D.	0.5	1
10943	Toluene		108-88-3	N.D.	0.5	1
10943	Xylene (Total)		1330-20-7	0.6	0.5	1
GC Volatiles		**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12		n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si		**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel		n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel		n.a.	N.D.	70	1
The reverse surrogate, capric acid, is present at <1%.						
Metals		**SW-846 6010B**		ug/l	ug/l	
01754	Iron		7439-89-6	18,700	33.3	1
07058	Manganese		7439-96-5	3,570	0.83	1
Wet Chemistry		**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen		14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen		14797-65-0	N.D.	400	5
00228	Sulfate		14808-79-8	46,900	1,500	5
		SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity		n.a.	245,000	700	1
		SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron		n.a.	42	10	1
		SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide		18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 01:30	Kevin A Sposito	1

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Analysis Report

Sample Description: MW-15 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860610
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 11:55 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 01:30	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 15:15	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 15:15	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 16:19	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 23:17	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 23:17	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 03:34	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 03:34	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655602A	11/16/2012 03:34	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:14	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	1

Sample Description: MW-16 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860611
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 13:55 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

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6001 Bollinger Canyon Road
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San Ramon CA 94583

QAS16

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	31,600	33.3	1
07058	Manganese	7439-96-5	8,210	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	11,100	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	14,500	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	75,600	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 01:52	Kevin A Sposito	1

Sample Description: MW-16 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860611
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 13:55 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

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QAS16

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 01:52	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 15:41	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 15:41	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 16:42	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 23:29	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 23:29	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 04:20	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 04:20	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655602A	11/16/2012 04:20	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:19	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	1

Sample Description: MW-17 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860612
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 11:35 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
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QAS17

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	2,570	33.3	1
07058	Manganese	7439-96-5	1,230	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	2,200	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	22,900	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	84,600	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 02:13	Kevin A Sposito	1

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Analysis Report

Sample Description: MW-17 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860612
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 11:35 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

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QAS17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 02:13	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 16:06	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 16:06	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 17:05	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 23:33	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 23:33	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 04:35	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 04:35	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655602A	11/16/2012 04:35	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:24	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	1

Sample Description: MW-25 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860613
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 08:15 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
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QAS25

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	1,540	33.3	1
07058	Manganese	7439-96-5	3,150	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	470	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	12,100	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	207,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	140	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	1

General Sample Comments

State of Washington Lab Certification No. C259

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Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 02:35	Kevin A Sposito	1

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Analysis Report

Sample Description: MW-25 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860613
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 08:15 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

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QAS25

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 02:35	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 16:32	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 16:32	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 17:28	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 23:37	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 23:37	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 04:50	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 04:50	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655602A	11/16/2012 04:50	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:29	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	1

Sample Description: MW-26 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860614
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 12:30 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

QAS26

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	
10943	Benzene	71-43-2	0.6	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	63	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	28	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
	The reverse surrogate, capric acid, is present at <1%.				
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	752	33.3	1
07058	Manganese	7439-96-5	2,010	0.83	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	8,200	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	23,400	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
12150	Total Alkalinity	n.a.	122,000	700	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	N.D.	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 02:57	Kevin A Sposito	1

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Analysis Report

Sample Description: MW-26 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860614
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 12:30 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
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San Ramon CA 94583

QAS26

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 02:57	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 16:57	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 16:57	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 17:51	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 23:41	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 23:41	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 05:05	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 05:05	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655602A	11/16/2012 05:05	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:35	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	1

Sample Description: MW-32 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860615
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 13:30 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS32

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	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1

The reverse surrogate, capric acid, is present at <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
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 03:19	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 03:19	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 17:49	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 17:49	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 18:14	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1

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Analysis Report

Sample Description: MW-33 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860616
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 09:08 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS33

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**	
10943	Benzene	71-43-2	190	5	10
10943	Ethylbenzene	100-41-4	23	0.5	1
10943	Toluene	108-88-3	0.7	0.5	1
10943	Xylene (Total)	1330-20-7	5	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	200	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	120,000	33.3	1
07058	Manganese	7439-96-5	1,740	0.83	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	49,000	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	306,000	700	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	3,700	250	25
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	4,800	220	4

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
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 03:41	Kevin A Sposito	1

Sample Description: MW-33 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860616
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 09:08 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS33

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX 8260B Water	SW-846 8260B	1	D123262AA	11/21/2012 14:34	Daniel H Heller	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 03:41	Kevin A Sposito	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	D123262AA	11/21/2012 14:34	Daniel H Heller	10
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 18:14	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 18:14	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 18:37	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 23:44	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 23:44	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 05:20	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655602A	11/16/2012 05:20	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655602A	11/16/2012 05:20	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:40	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	25
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	4

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Analysis Report

Sample Description: MW-35 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860617
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 08:05 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS35

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**	
10943	Benzene	71-43-2	1	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	208,000	33.3	1
07058	Manganese	7439-96-5	1,750	0.83	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	86,200	3,000	10
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	211,000	700	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	1,100	50	5
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	F123214AA	11/17/2012 04:02	Kevin A Sposito	1

Sample Description: MW-35 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860617
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 08:05 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QAS35

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F123214AA	11/17/2012 04:02	Kevin A Sposito	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 18:39	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 18:39	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 19:00	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 23:49	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 23:49	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655901A	11/16/2012 03:30	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655901A	11/16/2012 03:30	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655901A	11/19/2012 02:32	Christopher D Meeks	10
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:46	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	5
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	1

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Analysis Report

Sample Description: DPE-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860618
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 10:00 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASE8

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**	
10943	Benzene	71-43-2	2	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	170	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	120	30	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
The reverse surrogate, capric acid, is present at <1%.					
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	2,620	33.3	1
07058	Manganese	7439-96-5	2,370	0.83	1
Wet Chemistry	**EPA 300.0**		**ug/l**	**ug/l**	
00368	Nitrate Nitrogen	14797-55-8	650	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	13,600	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
12150	Total Alkalinity	n.a.	397,000	700	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	57	10	1
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	N.D.	54	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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123242AA	11/20/2012 01:58	Brett W Kenyon	1

Sample Description: DPE-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860618
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 10:00 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
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San Ramon CA 94583

QASE8

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123242AA	11/20/2012 01:58	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 19:05	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 19:05	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250011A	11/27/2012 19:23	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250011A	11/20/2012 21:20	Karen L Beyer	1
01754	Iron	SW-846 6010B	1	123211848008	11/20/2012 23:52	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	123211848008	11/20/2012 23:52	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	123211848008	11/19/2012 07:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	12320655901A	11/16/2012 03:45	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	12320655901A	11/16/2012 03:45	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	12320655901A	11/16/2012 03:45	Christopher D Meeks	5
12150	Total Alkalinity	SM20 2320 B	1	12327005101A	11/22/2012 02:52	Clayton C Litchmore	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	12322834402A	11/17/2012 09:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	12324023003A	11/19/2012 13:55	Susan E Hibner	1

Sample Description: RW-2 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne N - Seattle, WA

LLI Sample # WW 6860619
LLI Group # 1349351
Account # 11260

Project Name: 211577

Collected: 11/14/2012 09:10 by JP

Submitted: 11/15/2012 09:25
Reported: 11/29/2012 12:12

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

QASR2

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**	
10943	Benzene	71-43-2	5	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	0.9	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	87	50	1
GC Petroleum Hydrocarbons w/Si	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
12005	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
12005	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1

The reverse surrogate, capric acid, is present at <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
10943	BTEX 8260B Water	SW-846 8260B	1	Z123242AA	11/20/2012 02:21	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z123242AA	11/20/2012 02:21	Brett W Kenyon	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	12324B07A	11/21/2012 19:30	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12324B07A	11/21/2012 19:30	Marie D John	1
12005	NWTPH-Dx water w/ 10g Si Gel	ECY 97-602 NWTPH-Dx modified	1	123250024A	11/26/2012 20:06	Christine E Dolman	1
12007	NW Dx water w/ 10g column	ECY 97-602 NWTPH-Dx 06/97	1	123250024A	11/21/2012 19:00	William H Saadeh	1

Quality Control Summary

Client Name: Chevron Group Number: 1349351
Reported: 11/29/12 at 12:12 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: D123262AA	Sample number(s): 6860616							
Benzene	N.D.	0.5	ug/l	88		77-121		
Batch number: F123212AA	Sample number(s): 6860604,6860606							
Benzene	N.D.	0.5	ug/l	98		77-121		
Ethylbenzene	N.D.	0.5	ug/l	95		79-120		
Toluene	N.D.	0.5	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	ug/l	94		77-120		
Batch number: F123214AA	Sample number(s): 6860603,6860605,6860607-6860617							
Benzene	N.D.	0.5	ug/l	94		77-121		
Ethylbenzene	N.D.	0.5	ug/l	93		79-120		
Toluene	N.D.	0.5	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	ug/l	82		77-120		
Batch number: Z123242AA	Sample number(s): 6860618-6860619							
Benzene	N.D.	0.5	ug/l	99		77-121		
Ethylbenzene	N.D.	0.5	ug/l	100		79-120		
Toluene	N.D.	0.5	ug/l	102		79-120		
Xylene (Total)	N.D.	0.5	ug/l	105		77-120		
Batch number: 12324B07A	Sample number(s): 6860603-6860607,6860609-6860619							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	89	91	75-135	2	30
Batch number: 12332A94A	Sample number(s): 6860608							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	94		75-135		
Batch number: 123220010A	Sample number(s): 6860608							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	70	52	50-120	30*	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 123250011A	Sample number(s): 6860609-6860618							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	74	77	50-120	4	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 123250024A	Sample number(s): 6860619							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	82	72	50-120	12	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 123211848008	Sample number(s): 6860608-6860614,6860616-6860618							
Iron	N.D.	33.3	ug/l	108		90-112		
Manganese	N.D.	0.83	ug/l	102		90-110		
Batch number: 12320655601B	Sample number(s): 6860608-6860609							

*- 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: Chevron Group Number: 1349351
Reported: 11/29/12 at 12:12 PM

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Nitrate Nitrogen	N.D.	50.	ug/l	99		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	99		90-110		
Sulfate	N.D.	300.	ug/l	100		90-110		
Batch number: 12320655602A	Sample number(s): 6860610-6860614,6860616							
Nitrate Nitrogen	N.D.	50.	ug/l	102		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	102		90-110		
Sulfate	N.D.	300.	ug/l	100		90-110		
Batch number: 12320655901A	Sample number(s): 6860617-6860618							
Nitrate Nitrogen	N.D.	50.	ug/l	101		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	104		90-110		
Sulfate	N.D.	300.	ug/l	105		90-110		
Batch number: 12322834402A	Sample number(s): 6860608-6860614,6860616-6860618							
Ferrous Iron	N.D.	10.	ug/l	98		93-105		
Batch number: 12324023003A	Sample number(s): 6860608-6860614,6860616-6860618							
Sulfide	N.D.	54.	ug/l	99		90-110		
Batch number: 12327005101A	Sample number(s): 6860608-6860614,6860616-6860618							
Total Alkalinity	N.D.	700.	ug/l as CaCO3	102		90-110		

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: D123262AA	Sample number(s): 6860616 UNSPK: P864467								
Benzene	83	83	72-134	0	30				
Batch number: F123212AA	Sample number(s): 6860604,6860606 UNSPK: P859810								
Benzene	104	103	72-134	1	30				
Ethylbenzene	102	100	71-134	1	30				
Toluene	108	102	80-125	6	30				
Xylene (Total)	97	98	79-125	1	30				
Batch number: F123214AA	Sample number(s): 6860603,6860605,6860607-6860617 UNSPK: P861020								
Benzene	101	101	72-134	0	30				
Ethylbenzene	458 (2)	684 (2)	71-134	12	30				
Toluene	103	111	80-125	7	30				
Xylene (Total)	469 (2)	1215 (2)	79-125	24	30				
Batch number: Z123242AA	Sample number(s): 6860618-6860619 UNSPK: P861009								
Benzene	107	104	72-134	3	30				
Ethylbenzene	108	104	71-134	4	30				
Toluene	110	105	80-125	4	30				
Xylene (Total)	111	107	79-125	3	30				

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

Quality Control Summary

Client Name: Chevron Group Number: 1349351
Reported: 11/29/12 at 12:12 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: 12332A94A	Sample number(s): 6860608 UNSPK: P869361								
NWTPH-Gx water C7-C12	88	96	75-135	9	30				
Batch number: 123211848008	Sample number(s): 6860608-6860614,6860616-6860618 UNSPK: 6860609 BKG: 6860609								
Iron	16 (2)	-40 (2)	75-125	1	20	61,400	61,300	0	20
Manganese	100 (2)	85 (2)	75-125	1	20	8,030	8,200	2	20
Batch number: 12320655601B	Sample number(s): 6860608-6860609 UNSPK: 6860608 BKG: 6860608								
Nitrate Nitrogen	102		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	101		90-110			N.D.	N.D.	0 (1)	20
Sulfate	95		90-110			8,600	7,500	14 (1)	20
Batch number: 12320655602A	Sample number(s): 6860610-6860614,6860616 UNSPK: 6860610 BKG: 6860610								
Nitrate Nitrogen	103		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	104		90-110			N.D.	N.D.	0 (1)	20
Sulfate	108		90-110			46,900	46,800	0	20
Batch number: 12320655901A	Sample number(s): 6860617-6860618 UNSPK: P855755 BKG: P855755								
Nitrate Nitrogen	104		90-110			440	420	4 (1)	20
Nitrite Nitrogen	107		90-110			N.D.	N.D.	0 (1)	20
Sulfate	104		90-110			5,300	4,800	10 (1)	20
Batch number: 12322834402A	Sample number(s): 6860608-6860614,6860616-6860618 UNSPK: 6860616 BKG: 6860616								
Ferrous Iron	95	93	81-112	2	6	3,700	3,800	2 (1)	5
Batch number: 12324023003A	Sample number(s): 6860608-6860614,6860616-6860618 UNSPK: 6860613 BKG: 6860613								
Sulfide	96	86	43-137	12	16	N.D.	N.D.	0 (1)	5
Batch number: 12327005101A	Sample number(s): 6860608-6860614,6860616-6860618 UNSPK: P859159 BKG: P859159								
Total Alkalinity	97		73-121			48,700	48,900	0	5

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: UST VOCs by 8260B - Water
Batch number: D123262AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	111	99	99	108
LCS	112	104	98	113
MS	112	103	99	112
MSD	110	102	99	112
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: F123212AA

*- 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: Chevron Group Number: 1349351
Reported: 11/29/12 at 12:12 PM

Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6860604	102	101	102	92
6860606	103	102	104	96
Blank	101	97	103	96
LCS	101	100	100	100
MS	99	99	104	94
MSD	100	96	101	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: F123214AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6860603	90	98	101	99
6860605	101	98	103	99
6860607	99	97	103	96
6860608	99	95	106	97
6860609	100	98	108	105
6860610	101	100	100	101
6860611	99	96	106	98
6860612	103	102	99	87
6860613	84	82	103	98
6860614	101	101	112	92
6860615	97	96	106	96
6860616	98	95	103	93
6860617	102	97	98	98
Blank	100	101	103	90
LCS	105	102	101	87
MS	98	98	100	108
MSD	99	98	106	108
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z123242AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6860618	91	93	98	94
6860619	89	95	99	92
Blank	98	94	97	90
LCS	94	97	98	98
MS	94	95	97	98
MSD	93	95	98	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 12324B07A

	Trifluorotoluene-F
6860603	82
6860604	84
6860605	87
6860606	87

*- 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: Chevron
Group Number: 1349351
Reported: 11/29/12 at 12:12 PM

Surrogate Quality Control

6860607	88
6860609	86
6860610	86
6860611	86
6860612	89
6860613	86
6860614	85
6860615	83
6860616	94
6860617	84
6860618	92
6860619	84
Blank	80
LCS	88
LCSD	80

Limits: 63-135

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 12332A94A
Trifluorotoluene-F

6860608	88
Blank	73
LCS	92
MS	88
MSD	90

Limits: 63-135

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 123220010A
Orthoterphenyl

6860608	58
Blank	62
LCS	75
LCSD	59

Limits: 50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 123250011A
Orthoterphenyl

6860609	82
6860610	67
6860611	80
6860612	81
6860613	68
6860614	61
6860615	74
6860616	75
6860617	85
6860618	81
Blank	72

*- 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: Chevron
Group Number: 1349351
Reported: 11/29/12 at 12:12 PM

Surrogate Quality Control

LCS	83
LCSD	85
Limits:	50-150

Analysis Name: NWTPH-Dx water w/ 10g Si Gel
Batch number: 123250024A

	Orthoterphenyl
6860619	78
Blank	73
LCS	88
LCSD	78
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.

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: 11260 Group # 1349351 Sample #: 6860603-19 SCR #:

Facility #: SS#211577-OML G-R#386765 WBS:

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: EH Lead Consultant: SAICRS Shropshire

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler: J. Payne / A. Wong / G. Medina

Matrix | Analyses Requested | Preservation Codes

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air ☐	Total Number of Containers	BTEX 8021 ☐ 8260 ☐ Naphth ☐	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX ☐ Silica Gel Cleanup	Total ☐ Diss. ☐ Method IRON · MANGANESE 6010	☐ WAVPH ☐ WAEPH	NWTPH H HCID ☐ quantification	FERROUS IRON SM20 3500	ALKALINITY	NITRATE · NITRITE · SULFATE 300.0	SULFIDE SM20 4500
QA	11.14.12		X			X			X			X								
FB-1	↓		X			X		6	X			X								
DUP-1			X			X		6	X			X								
FB-2			X			X		6	X			X								
DUP-2			X			X		6	X			X								
CANCEL ~~OPE-5~~		~~1255~~	~~X~~			~~X~~		~~8~~	~~X~~			~~X~~	~~X~~							
CANCEL ~~OPE-6~~		~~0945~~	~~X~~			~~X~~		~~8~~	~~X~~			~~X~~	~~X~~							
MW-4		1055	X			X		14	X			X	X	X			X	X	X	X
MW-14		1255	X			X		14	X			X	X	X			X	X	X	X
MW-15		1155	X			X		14	X			X	X	X			X	X	X	X
MW-16		1355	X			X		14	X			X	X	X			X	X	X	X
MW-17		1135	X			X		14	X			X	X	X			X	X	X	X
MW-25	↓	0815	X			X		14	X			X	X	X			X	X	X	X

☐ Results in Dry Weight
☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
☐ 8021 MTBE Confirmation
☐ Confirm MTBE + Naphthalene
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy's on highest hit
☐ Run ____ oxy's on all hits

Comments /Remarks

SHORT HOLDS

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

Please forward the lab results directly to the Lead Consultant and cc: G-R.

PG 1 OF 2

QA for BTEX + Gx per previous. fmp 11/16/12

~~Turnaround~~ Time Requested (TAT) (please circle)

(STD. TAT) 72 hour 48 hour
24 hour 4 day 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary Type I – Full
Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	11-14-12	1630			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: [signature]	11-16-12	920
Relinquished by Commercial Carrier: UPS (FedEx) Other ____			Received by: [signature]	~~11/15~~	0925
Temperature Upon Receipt 0.6-2.7 C° 2.1 RUS 11-16-12			Custody Seals Intact? (Yes) No 11-15-12		

KM 11-15-12

3468.02

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. #: 11260 Group # 1349351 Sample #: 68606603-19

SCR #:

Facility #: SS#211577-OML G-R#386765 WBS:

Site Address: 631 Queen Anne North, SEATTLE, WA

Chevron PM: EH Lead Consultant: SAICRS Shropshire

Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568

Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)

Consultant Phone #: 925-551-7555 Fax #: 925-551-7899

Sampler:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Oil	Matrix: Air	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + Naphth	8260 full scan	Oxygenates	NWTPH GX	NWTPH DX	Silica Gel Cleanup	Lead Total / Diss. / Method 6010B IRON. MANGANESE	WAVPH	WAEPH	NWTPH H HCID	quantification	FERROUS IRON SM3500	ALKALINITY SM2320B	NITRATE/NITRITE SM4500	SULFIDE SM4500
MW-26	11.14.12	1230	X			X			14	X			X	X	X						X	X	X	X
MW-32		1330	X			X			8	X			X	X										
MW-33		0908	X			X			14	X			X	X	X						X	X	X	X
MW-35		0805	X			X			14	X			X	X	X						X	X	X	X
DUP-B		1000	X			X			14	X			X	X	X						X	X	X	X
RW-2		0910	X			X			8	X			X	X										

- ☐ Results in Dry Weight
- ☐ J value reporting needed
- ☐ Must meet lowest detection limits possible for 8260 compounds
- ☐ 8021 MTBE Confirmation
- ☐ Confirm MTBE + Naphthalene
- ☐ Confirm highest hit by 8260
- ☐ Confirm all hits by 8260
- ☐ Run ____ oxy's on highest hit
- ☐ Run ____ oxy's on all hits

Comments /Remarks

PG 2 of 2

FERROUS IRON SAMPLES HAVE BEEN FIELD FILTERED

Please forward the lab results directly to the Lead Consultant and cc: G-R.

SHORT HOLD

Turnaround Time Requested (TAT) (please circle)

STD. TAT | 72 hour | 48 hour | 24 hour | 4 day | 5 day

EDF/EDD

Data Package Options (please circle if required)

QC Summary | Type I – Full | Type VI (Raw Data)

Relinquished by:	Date	Time	Received by:	Date	Time
	11.14.12	1630			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	11-15-12	0925
Temperature Upon Receipt 0.6-2.7°C 2.1 BLB 11-16-12			Custody Seals Intact? Yes No		

11-16-12 0920

eurofins | Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

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

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

> greater than

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

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

ppb parts per billion

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

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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