SAIC
From Science to Solutions

January 22, 2010

Ms. Olivia Skance
Chevron Environmental Management Company
6111 Bollinger Canyon Road, Room 3636
San Ramon, CA 94583

Subject: **Semi-Annual Groundwater Monitoring Report - October 2009**
Former Texaco Service Station / Chevron Facility No. 21-1577
631 Queen Anne Ave North
Seattle, Washington

Dear Ms. Skance:

Science Applications International Corporation (SAIC), on behalf of Chevron Environmental Management Company (Chevron), has prepared this letter summarizing the latest groundwater monitoring and sampling results from the above referenced site in Seattle, Washington. This semi-annual groundwater monitoring and sampling event was conducted by Gettler-Ryan Inc. (G-R) between October 12 and October 15, 2009.

Groundwater elevation and analytical data are presented along with field data sheets and a laboratory analytical report in the G-R *Groundwater Monitoring and Sampling Report* included as Attachment A.

1.0 FIELD ACTIVITIES

Depth-to-groundwater measurements were collected from thirty-nine of the monitoring wells present on the Site. Each monitoring well was also checked for the presence of separate-phase hydrocarbon (SPH). SPH was not detected in any of the monitoring wells gauged during this event.

At the time of this monitoring event, groundwater elevations ranged from 103.05 feet Mean Sea Level (MSL) in monitoring well MW-10 to 67.04 feet MSL in monitoring well MW-30. Groundwater flow at the time of this event was towards the southwest at an approximate gradient of 0.03 to 0.2 feet per foot (ft/ft), and groundwater elevation had decreased an average of 0.36 feet since the previous groundwater monitoring event performed in April 2009. Figure 1 of the enclosed Attachment A depicts groundwater elevations and well locations.

During the October 2009 sampling event, groundwater samples were collected from twenty-five monitoring wells on the Site and submitted to Lancaster Laboratories of Lancaster, Pennsylvania for the following analyses:

- Gasoline-range hydrocarbons by Washington State Department of Ecology (WDOE) Method NWTPH-Gx;
- Diesel- and heavy oil-range hydrocarbons by WDOE Method NWTPH-D extended; and
- Benzene, toluene, ethylbenzene and total xylenes (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260B.

Additional analyses were performed on fifteen of these wells for monitored natural attenuation (MNA) parameters including:

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

Analytical results are presented in Tables 1 and 2, and laboratory reports are included as Attachment A.

2.0 ANALYTICAL RESULTS

The following petroleum analytes were detected at concentrations exceeding their respective Model Toxics Control Act (MTCA) Method A cleanup levels (CULs).

- Gasoline-range hydrocarbons in monitoring wells MW-4, MW-6, MW-14, MW-33, RW-2, and DPE-8/MW-22;
- Diesel-range hydrocarbons in monitoring wells VP-5, MW-4, MW-6, MW-9, MW-14, MW-15, MW-18, MW-26, RW-2, DPE-5, DPE-6, and DPE-8/MW-22;
- Heavy oil-range hydrocarbons in monitoring well VP-5; and
- Benzene in monitoring wells MW-4, MW-6, MW-14, MW-18, MW-21, MW-33, MW-35, RW-2, DPE-5, DPE-6, and DPE-8/MW-22.

None of the other constituents analyzed for were detected at concentrations exceeding their respective MTCA Method A CULs. Groundwater analytical results are summarized in Table 1 and Figure 2 of Attachment A.

3.0 QUALITY ASSURANCE SAMPLES

Duplicate groundwater samples were collected from wells MW-6, MW-17, and MW-30 and submitted for gasoline-range hydrocarbons (WDOE Method NW TPH-Gx) and BTEX (USEPA Method 8260B). The gasoline-range hydrocarbons, benzene, toluene, and ethylbenzene results were well correlated (i.e. difference between concentrations was within ±10 percent) between each groundwater sample and its duplicate. Total xylenes results were slightly greater than 10 percent between the original and duplicate sample for monitoring well MW-17.

Three field blank samples were collected during the groundwater monitoring event. The field blank samples were collected at well MW-6 (MW-6-FB), MW-17 (MW-17-FB), and MW-30 (MW-30-FB). Field blank samples were analyzed for BTEX by EPA Method 8260B and for gasoline-range hydrocarbons by WDOE Method NWTPH-Gx. No target analytes were detected above their respective laboratory reporting limits in any of the field blank samples.

Trip blank samples were provided by Lancaster Laboratories and accompanied volatile organic compound (VOC) sample containers throughout the entire sampling event. The trip blank samples were analyzed for BTEX by EPA Method 8260B and for gasoline-range hydrocarbons by WDOE Method NWTPH-Gx. No target analytes were detected above their respective laboratory reporting limits in any of the trip blank samples.

Duplicate, field blank, and trip blank results are presented in Table 1 of Attachment A.

4.0 SUMMARY

The October 2009 semi-annual groundwater monitoring event performed at this site represents the fourth groundwater monitoring event performed since the shut-down of the site's DPE remediation system in April 2008. The results from this event are generally consistent with the results of the three previous groundwater monitoring events, and collectively, these data continue to indicate that the DPE remediation system was highly effective in reducing the concentration of lighter end (benzene and gasoline-range) petroleum hydrocarbons in groundwater onsite.

Within the DPE remediation system's zone of effective influence, which is generally considered to be the area that includes the Manhattan Express parking lot and the immediate vicinity of the Del Roy and Monterey apartments, the maximum concentration of benzene in samples collected during the October 2009 sampling event was 35 micrograms per liter (ug/l) (RW-2). Since the DPE system was shut down, the maximum benzene concentration detected in this area was 140 ug/l (MW-18, April 2008). For comparison, in samples collected from this area in April 2005 (prior to installation and operation of the DPE system) benzene was detected at concentrations ranging from 1,900 ug/l to 9,200 ug/l in five monitoring wells (MW-3, MW-4, MW-14, MW-18 and MW-19). These data indicate that the system was effective in reducing the concentration of benzene in groundwater by greater than two orders of magnitude, within the system's effective zone of influence.

The highest concentration of benzene detected during this sampling event (1,300 ug/l) was collected from monitoring well MW-33, which is located in the southwestern corner of the U-Park parking lot. This area is located beyond the remediation system's zone of effective influence and therefore would not have been subjected to the benefits of active remediation; however, groundwater sampling data for this monitoring well suggest that benzene, gasoline-range hydrocarbons and diesel-range hydrocarbon concentrations are decreasing over time, which is likely due to natural degradation processes and the active remediation of the upgradient source area.

The greatest concentrations of gasoline-range hydrocarbons were detected at monitoring wells MW-4 and MW-14 at concentrations of 3,100 ug/l and 4,000 ug/l, respectively. For comparison, prior to operating the DPE system, gasoline-range hydrocarbon concentrations at these locations ranged from 56,000 to 120,000 ug/l for monitoring well MW-4 and from 37,000 to 69,000 ug/l for monitoring well MW-14. With the exception of MW-4 and MW-14, current concentrations of gasoline-range hydrocarbons are on the order of 1,000 ug/l or less throughout the site.

With some exceptions, concentrations of benzene, gasoline-range hydrocarbons and diesel-range hydrocarbons have continued to decline over time following shut-down of the DPE remediation system. SAIC has performed a preliminary review of the MNA data collected to date, which tends to suggest that at least some portion of these concentration declines can be attributed to natural attenuation. However, additional data will be necessary to verify continued concentration declines and MNA indicator trends.

In addition to the fifteen wells that are currently being monitored for MNA parameters, SAIC will be adding five additional wells (MW-5, MW-14, MW-25, MW-31 and MW-33) to the MNA sampling list. The next semi-annual groundwater monitoring and sampling event to be performed by G-R is scheduled for April 2010.

If you have any questions or comments about the information provided herein, please contact me at 425-482-3321 or at catterallp@saic.com.

Sincerely,

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

Peter Catterall
Project Manager

Enclosures:

Attachment A: Gettler-Ryan Inc. - *Groundwater Monitoring & Sampling Report*
Event of October 12, 13, 14 and 15, 2009
Former Texaco Service Station
631 Queen Anne Avenue North, Seattle, Washington (Site #211577)

cc: Mr. Chris Maurer, WDOE Northwest Region, Toxics Cleanup Program
Mr. Paul McTaggard, Darco, Inc.
Mr. Gerry Pigotti, Monterey Apartments, LLC
Mr. Burt Hyde, Sound Environmental Strategies
File

Accession#: 16102.20091215.001

Attachment A:
Gettler-Ryan Inc. – Groundwater Monitoring and Sampling Report
Event of October 12, 13, 14, and 15, 2009
Former Texaco Service Station
631 Queen Anne Avenue North
Seattle, Washington (Site # 211577)

GETTLER-RYAN INC.

TRANSMITTAL

November 16, 2009
G-R #386765

TO: Mr. Peter H. Catterall
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	DATED	DESCRIPTION
6	November 10, 2009	Groundwater Monitoring and Sampling Report **Event of October 12, 13, 14, and 15, 2009**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced report for **your use and distribution to the following:**

Ms. Olivia Skance, Chevron Environmental Management Company, 6111 Bollinger Canyon Road, Room 3636, San Ramon, CA 94583
Mr. Chris Maurer, WDOE, Toxics Clanup Division, P.O. Box 47775, Olympia, WA 98504-7775
Mr. Paul McTaggard, Darco, Inc., 420 East Howell, Seattle, WA 98122
Mr. Gerry Pigotti, Monterey Apartments, LLC, 1525 4th Avenue, Suite 500, Seattle, WA 98101
Mr. Bert Hyde, Sound Environmental Strategies, 2400 Airport Way, Suite 200, Seattle, WA 98134

☑ Current Site Check List included.

Enclosure

trans/211577-BH

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #211577**	Date: 10/12-10/15/09
Address:	**631 Queen Anne North**	
City/St.:	**Seattle, WA**	
Status of Site:	QUEEN ANNE NEIGHBORHOOD	

DRUMS: Please list below ALL DRUMS @ site: i.e., drum description, condition, labeling, contents, location of drum:

#	Description	Condition	Labeling	Contents	Location
	NO DRUMS				

WELLS: Please check the condition of ALL WELLS @ site: i.e., well box condition, well plug, well lock, etc.:

Well ID	Well Box	Bolts	Well Plug	Well Lock	Other
VP-2	OK	NO BOLTS	OK	OK	
VP-4		NO BOLTS			
VP-5		OK			
VP-7		OK			
VP-8		NO BOLTS			
VP-9		OK			
MW-4		NO BOLTS			
MW-6		OK			
MW-9		1 MISSING			
MW-10		OK			
MW-11		NO BOLTS			
MW-12	1 BROKEN FLANGE	OK			
MW-13	OK	OK			
MW-14		1 MISSING			
MW-15		NO BOLTS			
MW-16		NO BOLTS			
MW-17		NO BOLTS			
MW-18		NO BOLTS			
MW-19		2 MISSING			
MW-20		1 MISSING			
MW-21	1 BROKEN FLANGE	NO BOLTS			

Additional Comments/Observations:

GETTLER-RYAN INC.

CHEVRON - SITE CHECK LIST

Facility#:	**Chevron #211577**	Date: 10/12-10/15/09
Address:	**631 Queen Anne North**	
City/St.:	**Seattle, WA**	
Status of Site:		

DRUMS: Please list below ALL DRUMS @ site: i.e., drum description, condition, labeling, contents, location of drum:

#	Description	Condition	Labeling	Contents	Location

WELLS: Please check the condition of ALL WELLS @ site: i.e., well box condition, well plug, well lock, etc.:

Well ID	Well Box	Bolts	Well Plug	Well Lock	Other
MW-23	OK	OK	OK	OK	
MW-24		OK			
MW-25		NO BOLTS			
MW-26		NO BOLTS			
MW-30		NO BOLTS			
MW-31		OK			
MW-32					
MW-33					
MW-34		MISSING			
MW-35		OK			
DPE-1		OK			
RW-2		NO BOLTS			
DPE-3		OK			
DPE-4					
DPE-5					
DPE-6					
DPE-7					
DPE-8					
DPE-9					
DPE-2					

Additional Comments/Observations:

GETTLER-RYAN INC.

November 10, 2009
Job #386765

Ms. Olivia Skance
Chevron Environmental Management Company
6111 Bollinger Canyon Rd., Room 3636
San Ramon, CA 94583

RE: Event of October 12, 13, 14, and 15, 2009
Groundwater Monitoring & Sampling Report
Former Texaco Service Station
631 Queen Anne Avenue North
Seattle, Washington
(Site #211577)

Dear Ms. Skance:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All fieldwork was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any wells. Separate Phase Hydrocarbon Thickness/Removal Data is presented in Table 3. Static water level data and groundwater elevations are presented in Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. A Concentration Map is included as Figure 2. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical reports are attached. Purge water was treated by filtration through granular activated carbon and was subsequently discharged.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

- For -
Deanna L. Harding
Project Coordinator

Douglas J. Lee
Senior Geologist, L.G. No. 2660

State of Washington
2660
Licensed Geologist
Douglas J. Lee

6747 Sierra Court, Suite J • **Dublin**, CA 94568 • (925) 551-7555 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • **Rancho Cordova**, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • **Petaluma**, CA 94954 • (707) 789-3255 • Fax (707) 789-3218

Figure 1:	Potentiometric Map
Figure 2:	Concentration Map
Table 1:	Groundwater Monitoring Data and Analytical Results
Table 2:	Groundwater Analytical Results
Table 3:	Separate Phase Hydrocarbon Thickness/Removal Data
Table 4:	Groundwater Analytical Results – SVOCs and PAHs
Table 5:	Groundwater Analytical Results - VOCs
Table 6:	Groundwater Analytical Results – Dissolved Metals
Table 7:	Groundwater Analytical Results – Oxygenate Compounds
Attachments:	Standard Operating Procedure - Groundwater Sampling
	Field Data Sheets
	Chain of Custody Document and Laboratory Analytical Reports

Source: Figure modified from drawing provided by SAIC, Site Plan, Dated: 1/15/08.

POTENTIOMETRIC MAP

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

FIGURE 1

REVISED DATE

DATE October 12, 13, 14, and 15, 2009

REVIEWED BY

PROJECT NUMBER 386765

FILE NAME: P:\Enviro\Texaco\211577\009-211577.dwg | Layout Tab: Pot4

GETTLER-RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568
(925) 551-7555

0 50
Scale in Feet
N

WEST ROY STREET

WEST MERCER STREET

2ND AVENUE WEST

1ST AVENUE WEST

QUEEN ANNE AVENUE NORTH

97.51 MW-20

90.00

95.00

Chandler Hall Apartments

NM MW-27

89.10 MW-16

69.54 MW-35

U-Park Parking Lot

MW-25 89.34

MW-14 89.35

MW-26 89.06

MW-33 71.73

NV-2

NV-1

MW-32 88.88

Queen Anne Arms Apartments

67.25 MW-34

88.86 MW-17

Uptown Studios Apartments

MW-30 67.04

MW-21 68.81

85.00

80.00

75.00

70.00

Bank of America Parking Lot

Residences

Restaurant Tup Tim Thai

Bank of America

MW-28 NM

NM MW-29 294'

MW-31 67.23

[102.64]* VP-9

93.60 MW-9

103.05 MW-10

Del Roy Apartments

[102.13]* MW-24

93.63 DPE-6

100.00

96.37 MW-13

NM RW-4

92.88 DPE-7

90.59 DPE-8/MW-22

MW-6 [92.84]

95.00

Manhattan Express

89.47 MW-4

89.63 DPE-4

89.90 DPE-9

VP-2

91.88 RW-2

DPE-5 95.22

RW-3 NM

VP-1

RW-5 NM

Retaining Wall

Monterey Apartments

DVP-2

DVP-1

[98.68]* MW-23

Remediation System Compound

[101.37]* MW-12

89.39 MW-18

90.05 VP-4

VP-3/MW-2

89.23 VP-7/MW-3

DPE-3 90.79

VP-8/MW-7 91.78

The Bungalows at Queen Anne Apartments

MW-19 89.35

DPE-1/VP-6 89.58

DPE-2/SP-3 89.77

VP-5/MW-5 89.71

88.92 MW-15

NM MP-1

Alvena Vista Apartments

Retaining Wall

Approximate groundwater flow direction at a gradient of 0.03 to 0.2 Ft./Ft.

18 Mercer Street Building

MP-2 NM

MW-11 0/W

EXPLANATION

- Monitoring well (Former Texaco)
- Monitoring well (Former Texaco) (Deep Zone)
- Monitoring/vapor well (Former Unocal)
- Vapor well (Former Unocal)
- Recovery well (Former Unocal)
- Destroyed well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level
- --99.99-- Groundwater elevation contour, dashed where inferred
- [99.99]* — Not used in contouring, well in perched zone
- [99.99] — Not used in contouring
- 0/W — Obstruction in Well
- NM — Not Monitored
- ⌑ — Insufficient water to determine GWE
- * — Discontinued from monitoring/ sampling program

Source: Figure modified from drawing provided by SAIC, Site Plan, Dated: 1/15/08.

FIGURE 2

CONCENTRATION MAP

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

DATE: October 12, 13, 14, and 15, 2009
REVISED DATE:
REVIEWED BY:
PROJECT NUMBER: 386765

GETTLER-RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568
(925) 551-7555

FILE NAME: P:\Enviro\Texaco\211577\009-211577.dwg | Layout Tab: Con4

0 50
Scale in Feet
N

WEST ROY STREET

MW-20 NS

MW-27 NS

Chandler Hall Apartments

MW-16 <0.5/<50/<30

MW-25 <0.5/570/440

Del Roy Apartments

MW-24 NS

VP-9 NS

MW-9 <0.5/83/960

MW-10 <0.5/<50/<29

MW-14 13/4,000/5,200

MW-35 58/<50/50

U-Park Parking Lot

DPE-8/MW-22 6/940/3,900

RW-4 NS

DPE-7 NS

DPE-6 18/490/3,600

MW-13 NS

MW-6 16/1,200/5,100

MW-4 25/3,100/11,000

MW-26 <0.5/<50/1,200

Manhattan Express

DPE-5 22/490/25,000

1,300/1,200/210

MW-33

NV-2

NV-1

MW-32 <0.5/<50/74

DPE-4 NS

DPE-9 NS

VP-2 NS

RW-2 35/1,100/4,300

RW-3 NS

VP-1

RW-5 NS

Retaining Wall

Queen Anne Arms Apartments

Remediation System Compound

Monterey Apartments

DVP-2

DVP-1

MW-23 NS

MW-12 NS

MW-34 <0.5/<50/<29

8/310/590

MW-18

NS+

VP-4

VP-3/MW-2

The Bungalows at Queen Anne Apartments

MW-17 3/81/290

VP-7/MW-3 NS

DPE-3 NS

VP-8/MW-7 <0.5/200/89

MW-19 NS

VP-5/MW-5 1/380/1,900

DPE-1/VP-6 NS

DPE-2/SP-3 0.8/330/230

MP-1 NS

Uptown Studios Apartments

Bank of America Parking Lot

MW-15 <0.5/<50/980

Alvena Vista Apartments

Retaining Wall

2ND AVENUE WEST

1ST AVENUE WEST

QUEEN ANNE AVENUE NORTH

MW-30 <0.5/<50/<29

MW-21 88/<50/<29

MW-28 NS

Residences

Restaurant Tup Tim Thai

Bank of America

18 Mercer Street Building

MP-2 NS

MW-11 O/W

NS MW-29 294'

MW-31 <0.5/<50/<29

WEST MERCER STREET

EXPLANATION

- Monitoring well (Former Texaco)
- Monitoring well (Former Texaco) (Deep Zone)
- Monitoring/vapor well (Former Unocal)
- Vapor well (Former Unocal)
- Recovery well (Former Unocal)
- Destroyed well
- A/B/C — Benzene/TPH-GRO/TPH-DRO concentrations in µg/L
- NS+ — Not Sampled due to insufficient water
- NS — Not Sampled
- O/W — Obstruction in Well
- NOTE: Benzene by EPA Method 8260

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
VP-2														
12/15/99		104.72	--	--	--	--	29,900	<2,500[23]	5,980	935	345	43.8	305	--
06/14/00		104.72	--	--	--	--	2,810	<1,000[23]	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[1]	<250[1]	6,230	549	42.6	106	1,120	1.52[16]
06/30-07/01/03		104.72	--	12.51	0.00	92.21	35,900[1]	1,380[1]	3,330	180	58.8	32.4	510	3.97[16]
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[1]	<56,000[1,23]	1,700	69	16	<10	210	5.3[16]
04/29-30/04		104.72	--	10.53	0.00	94.19	850[1]	2,200[1]	6,400	1,500	94	68	760	2.1[16]
07/15-16/04		104.72	--	13.52	0.00	91.20	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
08/03/04[8]		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]	1,600[1]	640	23	3.6	5.3	57	--
04/18-21/05	NP	105.11	--	13.20	0.00	91.91	120,000[1]	8,700[1]	<50	2.1	<0.5	<0.5	3.6	--
07/27-28/05		105.11	--	13.75	0.00	91.36	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05		105.11	DRY	--	--	--	--	--	--	--	--	--	--	--
02/22/06		105.11	--	12.02	0.00	93.09	--	--	--	--	--	--	--	--
04/17/06		105.11	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
10/17/06		105.11	--	14.66	0.00	90.45	--	--	--	--	--	--	--	--
04/17/07		105.11	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07		105.11	--	14.70	0.00	90.41	--	--	--	--	--	--	--	--
04/28/08		105.11	--	14.65[23]	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**	--[28]	--	--	--	--	--	--	--	--
VP-4														
06/13/00		103.35	--	--	--	--	1,850	<552[23]	26,400	1,020	3,270	809	6,160	--
07/24/02		103.35	--	11.89	0.00	91.46	78,000[1]	<9,700[1,23]	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					--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
VP-4 (cont)														
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[1]	<2,300[1,23]	150	1.7	2.6	1	20	4.0[16]
07/15-16/04		103.35	--	12.62	0.00	90.73	18,600[1]	789[1,2]	32,200	2,230	746	212	3,710	8.90[16]
08/03/04[8]		103.35	--	12.91	0.00	90.44	--	--	--	--	--	--	--	--
10/28-11/01/04		103.35	--	12.98	0.00	90.37	330,000[1]	<100,000[1,23]	48,000	2,500	1,400	560	5,400	--
01/24-31/05		103.35	--	12.38	0.00	90.97	110,000[1]	<9,500[1,23]	19,000	360	750	89	2,000	--
04/18-21/05	NP	103.35	--	12.14	0.00	91.21	46,000[1]	<10,000[1,23]	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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07		103.35	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08		103.35	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08		103.35	--	DRY	0.00	--	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**					--	--	--
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	--	--	--	--	--	--	--	--
02/15/99		102.91	--	--	--	--	2,490	<500	23,400	841	191	1,480	7,720	--
06/13/00		102.91	--	--	--	--	1,340	<1,120[23]	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[1]	<500[1]	15,900	318	49.3	880	1,870	2.29[15]
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[1]	270[1]	22,000	330	76	1,000	2,200	2.4[16]
01/21-23/04		102.63	--	11.91	0.00	90.72	1,500[1]	310[1]	19,000	310	100	980	1,600	1.7[16]
04/29-30/04		102.63	--	11.80	0.00	90.83	1,400[1]	400[1]	3,500	61	13	190	180	<0.99[16]
07/15-16/04		102.63	--	12.22	0.00	90.41	<250[1]	<500[1]	7,900	58.3	18.4	384	475	<1.00[16]

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
VP-5/MW-5 (cont)														
08/03/04[8]		102.63	--	12.52	0.00	90.11	--	--	--	--	--	--	--	--
10/28-11/01/04		102.63	--	12.57	0.00	90.06	710[1]	<200[1]	19,000	98	56	860	1,600	--
01/24-31/05	LFP	102.63	--	11.96	0.00	90.67	910[1]	<250[1]	16,000	86	60	770	1,300	--
04/18-21/05	LFP	102.63	--	11.75	0.00	90.88	3,100[1]	<250[1]	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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07		102.63	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08		102.63	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/04/08		102.63	--	14.3	0.00	88.33	160	<66	110	<0.5	<0.5	<0.5	0.8	--
04/13-16/09	LFP	102.63	--	13.56	0.00	89.07	860	130	99	<0.5	<0.5	0.7	2	--
10/12-15/09	**LFP**	**102.63**	**--**	**12.92**	**0.00**	**89.71**	**1,900**	**2,100**	**380**	**1**	**0.6[29]**	**0.9**	**2**	**--**
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	--
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[23]	54,400	10,000	8,230	1,380	7,470	--
07/24/02		100.40	--	9.74	0.00	90.66	5,800[1]	580[1]	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[1]	510[1,2]	71,600	11,100	5,880	1,940	10,800	2.40
01/21/03		100.40	--	10.29	0.00	90.11	714[1,4]	<500[1]	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[1]	520[1]	61,000	10,000	4,500	2,000	10,000	1.8[16]
01/21-23/04		100.40	--	10.09	0.00	90.31	<250[1]	<250[1]	1,700	660	69	70	350	<1.2[16]

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
VP-7/MW-3 (cont)														
04/29-30/04		100.40	--	9.96	0.00	90.44	<800[1,23]	<1,000[1,23]	<50	28	1.7	1.8	6.0	<0.99[16]
07/15-16/04		100.40	--	10.38	0.00	90.02	342[1]	<500[1]	36,800	9,900	985	1,270	2,770	<1.00[16]
08/03/04[8]		100.40	--	10.66	0.00	89.74	--	--	--	--	--	--	--	--
10/28-11/01/04		100.40	--	10.76	0.00	89.64	850[1]	<1,000[1]	100	250	<0.5	<0.5	1.6	--
01/24-31/05	LFP	100.40	--	10.13	0.00	90.27	390[1]	<250[1]	21,000	4,900	1,900	890	3,200	--
04/18-21/05	LFP	100.40	--	9.97	0.00	90.43	4,000[1]	<580[1]	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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
12/04/07		100.40	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08		100.40	--	DRY	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
11/03/08		100.40	--	DRY	0.00	--	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**	--	--	--	--	--	--	--	--
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	--
07/97		104.88	--	NM	--	--	--	--	9,100 J	96	246	52	980	--
1/97		104.88	--	NM	--	--	--	--	830 J	5.6	7	11	32.6	--
2/15/99		104.88	--	NM	--	--	2,780	<500	7,640	540	927	201	1,430	--
06/13/00		104.88	--	NM	--	--	2,280	<1,100[23]	233	1.10	1.81	1.95	7.99	--
07/24/02		104.88	--	11.70	0.00	93.18	1,800[1]	420[1]	1,500	9.4	9.2	34	50	11.4
0/17-18/02		104.88	--	12.78	0.00	92.10	1,830[1]	<500[1]	552	9.75	1.45	4.25	5.73	1.93
01/21/03		104.88	--	12.63	0.00	92.25	1,120[1]	<500[1]	1,910	139	291	59.1	216	8.33
04/23-24/03		104.88	--	10.72	0.00	94.16	800[1]	<500[1]	700	65.6	35.7	22.9	69.8	3.73[16]
06/30-07/01/03		104.88	--	12.45	0.00	92.43	939[1]	<500[1]	379	2.68	1.57	3.70	4.69	2.06[16]

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
VP-8/MW-7 (cont)														
10/01-02/03		104.88	--	13.49	0.00	91.39	19,000[1]	2,100[1]	290	3.4	1.2	5.8	11	2.4[16]
01/21-23/04		104.88	--	12.16	0.00	92.72	3,400[1]	620[1]	89	<0.5	<0.5	<0.5	<1.5	3.2[16]
04/29-30/04		104.88	--	11.91	0.00	92.97	620[1]	<250[1]	460	0.6	<0.5	1.6	<3.0	<0.99[16]
07/15-16/04		104.88	--	12.76	0.00	92.12	528[1]	<500[1]	430	0.985	<0.500	1.50	2.40	<1.00[16]
08/03/04[8]		104.88	--	12.94	0.00	91.94	--	--	--	--	--	--	--	--
10/28-11/01/04		104.88	--	13.09	0.00	91.79	130,000[1]	<20,000[1]	210	2.7	0.7	2.6	9.9	--
01/24-31/05	LFP	104.88	--	12.49	0.00	92.39	<250[1]	<250[1]	450	5.1	9.9	3.2	21	--
04/18-21/05	LFP	104.88	--	12.30	0.00	92.58	<250[1]	<250[1]	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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28-29/08		104.88	--	15.23[24]	0.00	89.65	<76	<95	390	<0.5	<0.5	<0.5	<0.5	--
12/11/08[26]		104.88	--	13.98	0.00	90.90	71	<74	370	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	LFP	104.88	--	12.45	0.00	92.43	180	<71	1,100	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**104.88**	**--**	**13.10**	**0.00**	**91.78**	**89**	**<70**	**200**	**<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[23]	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[1]	786[1,2]	1,910	11.3	2.62	8.86	14.7	<1.00
01/21/03		112.35	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
04/23-24/03		112.35	--	8.28	0.00	104.07	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
06/30-07/01/03		112.35	--	9.74	0.00	102.61	<250[1]	<500[1]	681	1.22	0.735	5.07	3.28	<1.00[16]
10/01-02/03		112.35	--	11.72	0.00	100.63	5,400[1]	1,300[1]	1,600	5.3	1.4	2.3	<10	--[17]
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]	<1,000[1,23]	750	0.8	<0.5	13	<1.5	<0.99[16]
07/15-16/04		112.35	--	11.15	0.00	101.20	259[1]	<500[1]	1,270	1.67	0.699	2.79	5.77	<1.00[16]
08/03/04[8]		112.35	--	12.50	0.00	99.85	--	--	--	--	--	--	--	--
10/28-11/01/04		112.35	--	9.82	0.00	102.53	<800[1,23]	<1,000[1,23]	610	<0.5	<0.5	<0.5	<1.5	--
01/24-31/05	LFP	112.35	--	10.30	0.00	102.05	<250[1]	<250[1]	100	<0.5	<0.5	<0.5	<1.5	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
VP-9 (cont)			--											
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	0.00	--	--	--	--	--	--	--	--	--
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	0.00	--	--	--	--	--	--	--	--	--
04/13-16/09		112.35	--	8.11	0.00	104.24	--	--	--	--	--	--	--	--
10/12-15/09		**112.35**	--	**9.71**	**0.00**	**102.64**	--	--	--	--	--	--	--	--
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 E	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[23]	74,400	14,400	9,440	1,840	10,800	--
07/24/02		102.07	--	11.18	0.00	90.89	10,000[1]	680[1]	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[1]	697[1,2]	110,000	14,500	11,600	2,630	15,200	10.7[15]
10/17-18/02	(D)	102.07	--	--	--	--	7,100[1]	<500[1]	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[1,5]	<500[1]	80,000	10,700	10,100	1,920	11,700	14.5
04/23-24/03		102.07	--	11.03	0.00	91.04	1,680[1]	<500[1]	79,300	8,990	7,350	1,780	10,300	5.74[16]
06/30-07/01/03		102.07	--	11.55	0.00	90.52	3,910[1]	<500[1]	108,000	12,100	11,200	2,630	15,300	7.85[16]
10/01-02/03		102.07	--	12.46	0.00	89.61	3,800[1]	<500[1]	100,000	9,700	11,000	2,000	12,000	7.1[16]
01/21-23/04		102.07	--	11.59	0.00	90.48	62,000[1]	2,800[1]	93,000	11,000	10,000	1,800	12,000	6.7[16]
04/29-30/04		102.07	--	11.48	0.00	90.59	13,000[1]	610[1]	80,000	8,900	8,200	1,600	11,000	14.3[16]
07/15-16/04		102.07	--	11.88	0.00	90.19	943[1]	<500[1]	100,000	10,300	7,600	2,090	13,300	9.06[16]
08/03/04[8]		102.07	--	12.09	0.00	89.98	--	--	--	--	--	--	--	--
10/28-11/01/04		102.07	--	12.26	0.00	89.81	7,500[1]	<1,000[1,23]	71,000	9,000	5,900	2,000	12,000	--
01/24-31/05	LFP	102.07	--	11.68	0.00	90.39	1,500[1]	<250[1]	56,000	8,900	5,100	1,700	9,600	--
04/18-21/05	LFP	102.07	--	11.47	0.00	90.60	3,700[1]	<510[1]	64,000	9,200	6,800	2,000	12,000	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-4 (cont)														--
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	0.00	--	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--
04/28/08		101.95	--	17.21[24]	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	LFP	101.95	--	12.23	0.00	89.72	9,700	<340	1,500	22	0.7	0.6	4	--
10/12-15/09	**LFP**	**101.95**	**--**	**12.48**	**0.00**	**89.47**	**11,000**	**<720**	**3,100**	**25**	**2[30]**	**3**	**8**	--
MW-6														
11/03/86		113.71	22.03	24.29	2.26	91.23	--	--	--	--	--	--	--	--
09/90		113.38	21.14	21.95	0.81	92.08	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
10/95		113.38	--	NM	--	--	--	--	62,000	12,000 E	13,800 E	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[1]	<10,000[1,23]	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					--	--	--
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[12]		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[1]	<500[1]	46,600	9,610	3,190	758	3,060	1.69[16]
08/03/04[8]		113.32	--	20.65	0.00	92.67	--	--	--	--	--	--	--	--
10/28-11/01/04		113.32	--	20.93	0.00	92.39	9,200[1]	<960[1,23]	24,000	8,600	2,800	690	3,100	--
01/24-31/05	LFP	113.32	--	20.38	0.00	92.94	11,000[1]	<480[1]	5,600	220	60	110	310	--
04/18-21/05	LFP	113.32	--	20.31	0.00	93.01	7,700[1]	<1,000[1,23]	3,600	1,000	120	110	360	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-6 (cont)														
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[23]	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	0.00	--	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	--	--	0.00	--	3,200	<660	<50	0.6	<0.5	<0.5	<0.5	--
04/13-16/09	LFP	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	--	--	0.00	--	--	--	1,000	30	0.8	2	3	--
10/12-15/09	**LFP**	**113.12**	--	**20.28**	**0.00**	**92.84**	**5,100**	**<660**	**1,200**	**16**	**1[30]**	**0.5**	**2**	--
10/12-15/09	**(D)**	**113.12**	--	--	**0.00**	--	--	--	**1,200**	**16**	**0.9[30]**	**<0.5**	**1**	--
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[1]	671[1,2]	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[1]	<500[1]	6,760	388	15.9	277	105	1.31[16]
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[1]	<5,000[1,23]	3,500	110	30	100	<100	3.9[16]
01/21-23/04		114.27	--	20.36	0.00	93.91	100,000[1]	<5,100[1,23]	2,300	7.2	2.4	45	19	5.5[16]

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-9 (cont)														
04/29-30/04		114.27	--	20.38	0.00	93.89	92,000[1]	<5,000[1,23]	1,200	2.0	1.2	10	7.8	4.8[16]
07/15-16/04		114.27	--	20.71	0.00	93.56	2,540[1]	<500[1]	9,540	3.84	10.4	25.9	31.6	2.54[16]
08/03/04[8]		114.27	--	20.92	0.00	93.35	--	--	--	--	--	--	--	--
10/28-11/01/04		114.27	--	21.22	0.00	93.05	3,900[1]	420[1]	300	1.4	0.5	1.9	<3.0	--
01/24-31/05	LFP	114.27	--	20.66	0.00	93.61	140,000[1]	<5,300[1,23]	730	1.7	<1.0	2.7	<6.0	--
04/18-21/05	LFP	114.27	--	20.59	0.00	93.68	14,000[1]	<630[1,23]	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[23]	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	LFP	114.27	--	24.60	0.00	89.67	1,100	69	160	0.7	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**114.27**	--	**20.67**	**0.00**	**93.60**	**960**	**<66**	**83**	**<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[1]	600[1]	240	2.5	<0.50	<1.0	<1.5	1.3

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-10 (cont)														
10/17-18/02		115.28	--	13.59	0.00	101.69	667[1]	<500[1]	490	3.42	<0.500	1.34	5.00	<1.00
01/21/03		115.28	--	12.46	0.00	102.82	<250[1]	<500[1]	416	3.44	0.550	0.519	3.24	<1.00
04/23-24/03		115.28	--	11.76	0.00	103.52	--[6]	--[6]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
06/30-07/01/03		115.28	--	12.91	0.00	102.37	<250[1]	<500[1]	255	2.01	<0.500	0.535	2.53	<1.00[16]
10/01-02/03		115.28	--	13.68	0.00	101.60	<250[1]	<250[1]	190	2.6	<0.5	0.5	<3.0	<1.2[16]
01/21-23/04		115.28	--	11.99	0.00	103.29	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04		115.28	--	13.23	0.00	102.05	<250[1]	<250[1]	<50	1.5	<0.5	<0.5	<1.5	<0.99[16]
07/15-16/04		115.28	--	13.44	0.00	101.84	<250[1]	<500[1]	362	2.75	<0.500	0.549	3.45	<1.00[16]
08/03/04[8]		115.28	--	13.53	0.00	101.75	--	--	--	--	--	--	--	--
10/28-11/01/04		115.28	--	13.31	0.00	101.97	<82[1]	<100[1]	210	4.1	<0.5	1.2	2.1	--
01/24-31/05	LFP	115.28	--	12.36	0.00	102.92	<250[1]	<250[1]	<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	--	--	--	--	--	--	--	--
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[2]	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	LFP	115.28	--	12.11	0.00	103.17	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**115.28**	**--**	**12.23**	**0.00**	**103.05**	**<29**	**<67**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--
MW-11														
03/26-28/91		97.32	--	11.7	0.00	85.62	--	--	--	<5	<5	<5	<5	--
07/24/02		--	--	11.16	0.00	--	<250[1]	<250[1]	<50	<0.50	<0.50	<0.50	<1.5	<1.2
10/17-18/02		--	--	11.43	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
01/21/03		--	--	11.29	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
04/23-24/03		--	--	11.09	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
06/30-07/01/03		--	--	11.39	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
10/01-02/03		--	--	12.10	0.00	--	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
01/21-23/04		--	--	11.69	0.00	--	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04		--	--	11.41	0.00	--	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<0.99[16]
07/15-16/04		--	--	11.58	0.00	--	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-11 (cont)													
08/03/04[8]	97.32	--	11.65	0.00	85.67	NOT SAMPLED		--	--	--	--	--	--
10/28-11/01/04	97.32	--	11.73	0.00	85.59	<78[1]	<98[1]	<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**			--	--	--	--	--	--	--	--	--
MW-12													
10/17-18/02	113.36	--	12.22	0.00	101.14	<250[1]	<500[1]	<50.0	0.516	0.869	<0.500	<1.00	--
01/21/03	113.36	--	11.72	0.00	101.64	<250[1]	<500[1]	<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[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
06/30-07/01/03	113.36	--	11.32	0.00	102.04	1,690[1]	<500[1]	1,040	2.91	1.05	10.0	26.5	<1.00[16]
10/01-02/03	113.36	--	12.12	0.00	101.24	470[1]	<250[1]	69	1.2	<0.5	<0.5	<1.5	<1.2[16]
01/21-23/04	113.36	--	10.02	0.00	103.34	1,500[1]	5,700[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04	113.36	--	10.59	0.00	102.77	260[1]	440[1]	<50	<0.5	<0.5	<0.5	<1.5	<0.99[16]
07/15-16/04	113.36	--	11.44	0.00	101.92	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
08/03/04[8]	113.36	--	12.55	0.00	100.81	NOT SAMPLED		--	--	--	--	--	--
10/28-11/01/04	113.36	--	12.03	0.00	101.33	<250[1]	<250[1]	<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	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE	TOC (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-12 (cont)													
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[24]	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**	--	--	--	--	--	--	--	--
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					--	--	--
08/03/04[8]	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[24]	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**	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-14														
10/17-18/02		101.64	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02		101.64	--	11.88	0.00	89.76	4,710[1]	<500[1]	43,100[3]	9,900[3]	4,930[3]	1,540[3]	6,020[3]	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[8,10]		101.64	--	--	--	--	2,100[1]	130[1]	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[1]	<250[1]	27,000	4,800	2,500	910	3,300	<0.99[16]
07/15-16/04		101.64	--	11.46	0.00	90.18	836[1,4]	<500[1]	61,800	10,400	5,550	1,350	5,890	<1.00[16]
10/26-27/04[8]		101.64	--	--	--	--	<800[1,23]	<1,000[1,23]	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	LFP	101.64	--	11.37	0.00	90.27	470[1]	<250[1]	24,000	4,400	2,300	760	3,300	--
04/18-21/05	LFP	101.64	--	11.19	0.00	90.45	1,500[1,19]	<250[1]	23,000	5,000	2,500	860	3,700	--
07/27-28/05	LFP	101.64	--	11.36	0.00	90.28	2,300[1,20]	<250[1]	24,000	5,000	2,200	760	3,300	--
11/08-10/05	LFP	101.64	--	11.82	0.00	89.82	2,600[1,20]	<520[1]	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[23]	52,000	4,200	3,900	1,500	8,600	--
10/17/06		101.56	--	13.65	0.00	87.91	--	--	--	--	--	--	--	--
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[24]	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	LFP	101.56	--	12.03	0.00	89.53	8,800	<660	6,200	15	3	11	4	--
10/12-15/09	**LFP**	**101.56**	--	**12.21**	**0.00**	**89.35**	**5,200**	**<700**	**4,000**	**13**	**2[29]**	**8**	**3**	--
MW-15														
10/17-18/02		99.03	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02		99.03	--	9.44	0.00	89.59	780[1]	<500[1]	3,280	1,640	5.23	5.06	<10.0	1.04
01/21/03		99.03	--	9.29	0.00	89.74	<250[1]	<500[1]	<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[1]	<250[1]	810	1,700	60	48	110	<1.2[16]
01/21-23/04		99.03	--	8.94	0.00	90.09	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04		99.03	--	8.19	0.00	90.84	700[1]	390[1]	<50	<0.5	<0.5	<0.5	<1.5	<0.99[16]

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-15 (cont)														
07/15-16/04		99.03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
08/03/04[8]		99.03	--	13.82	0.00	85.21	--	--	--	--	--	--	--	--
10/26-27/04[8]		99.03	--	--	--	--	<800[1,23]	<1,000[1,23]	1,700	230	99	99	260	--
10/28-11/01/04		99.03	--	9.65	0.00	89.38	--	--	--	--	--	--	--	--
01/24-31/05	LFP	99.03	--	9.00	0.00	90.03	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	99.03	--	8.98	0.00	90.05	<250[1]	<250[1]	<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[24]	0.00	84.35	--	--	--	--	--	--	--	--
12/11/08[26]		99.03	--	11.35	0.00	87.68	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	LFP	99.03	--	9.79	0.00	89.24	<28	<66	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**99.03**	**--**	**10.11**	**0.00**	**88.92**	**980**	**<69**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**
MW-16														
10/17-18/02		101.83	--	--	--	--	--	--	--	--	--	--	--	--
11/14/02		101.83	--	12.36	0.00	89.47	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
01/21/03		101.83	--	11.88	0.00	89.95	<250[1]	<500[1]	<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[8,9]		101.83	--	--	--	--	<160[1]	<200[1]	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[8,9]		101.83	--	--	--	--	<75[1]	<94[1]	150	2.1	<0.5	1.7	<1.5	--
07/15-16/04		101.83	--	11.89	0.00	89.94	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00[16]
08/03/04[8]		101.83	--	12.03	0.00	89.80	--	--	--	--	--	--	--	--
10/26-27/04[8]		101.83	--	--	--	--	<800[1,23]	<1,000[1,23]	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	LFP	101.83	--	11.91	0.00	89.92	<250[1]	<250[1]	210	8.4	1	6.0	3.2	--
04/18-21/05	LFP	101.83	--	11.69	0.00	90.14	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-16 (cont)														--
07/27-28/05	LFP	101.83	--	11.81	0.00	90.02	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	LFP	101.83	--	12.36	0.00	89.47	<79[1]	<99[1]	<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[24]	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	LFP	101.75	--	12.48	0.00	89.27	<31	<72	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**101.75**	**--**	**12.65**	**0.00**	**89.10**	**<30**	**<70**	**<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[1]	<500[1]	2,780	569	31.0	91.1	250	<1.00
01/21/03		99.29	--	9.62	0.00	89.67	<250[1]	<500[1]	<50.0	<0.500	<0.500	<0.500	<1.00	<1.00
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[1]	<250[1]	1,100	420	69	38	130	<1.2[16]
01/21-23/04		99.29	--	9.48	0.00	89.81	<250[1]	<250[1]	<50	1.6	<0.5	<0.5	<1.5	<1.2[16]
04/29-30/04		99.29	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
05/03/04[8,13]		99.29	--	--	--	--	190[1]	<95[1]	2,300	370	20	89	100	--
07/15-16/04		99.29	--	9.81	0.00	89.48	<250[1]	<500[1]	1,310	171	8.98	43.1	83.5	23.7[16]
08/03/04[8]		99.29	--	9.90	0.00	89.39	--	--	--	--	--	--	--	--
10/28-11/01/04		99.29	--	10.11	0.00	89.18	<400[1]	<500[1]	5,600	1,900	280	230	700	--
01/24-31/05	PER	99.29	--	9.42	0.00	89.87	<250[1]	<250[1]	310	160	4.9	17	27	--
02/17/05[8]		99.29	--	9.37	0.00	89.92	<76[1]	<95[1]	1,000	320	12	41	52	--
04/18-21/05	LFP	99.29	--	9.32	0.00	89.97	<250[1]	750[1]	<50	18	0.6	<0.5	<3.0	--
07/27-28/05	LFP	99.29	--	9.64	0.00	89.65	<250[1]	<250[1]	730	230	9.3	17	26	--
11/08-10/05	LFP	99.29	--	9.98	0.00	89.31	<76[1]	<95[1]	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	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-17 (cont)														
04/28-05/01/08		99.29	--	15.24[24]	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	--
11/06/08	(D)	99.29	--	--	--	--	150	<66	110	30	0.6	<0.5	<0.5	--
04/13-16/09	LFP	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	**LFP**	**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**	--
MW-18														
04/29-30/04		--	--	10.95	0.00	--	1,700[1]	<250[1]	76,000	9,200	11,000	1,400	8,400	<0.99[16]
08/03/04[8]		101.52	--	11.66	0.00	89.86	--	--	--	--	--	--	--	--
10/28-11/01/04		101.52	--	11.72	0.00	89.80	230[1]	<97[1]	42,000	4,700	5,400	860	4,300	--
01/24-31/05	LFP	101.52	--	11.10	0.00	90.42	270[1]	<250[1]	24,000	2,800	3,400	600	3,100	--
04/18-21/05	LFP	101.52	--	10.91	0.00	90.61	1,500[1]	<250[1]	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[24]	0.00	84.76	190	<98	200	140	<0.5	<0.5	<0.5	--
12/11/08[26]		101.52	--	13.45	0.00	88.07	1,900	<67	790	32	0.9	1	1	--
04/13-16/09	LFP	101.52	--	11.81	0.00	89.71	7,600	<390	530	4	0.5	<0.5	1	--
10/12-15/09	**LFP**	**101.52**	--	**12.13**	**0.00**	**89.39**	**590**	**<66**	**310**	**8**	**<0.5**	**<0.5**	**<0.5**	--
MW-19														
04/29-30/04		--	--	10.63	0.00	--	680[1]	<250[1]	18,000	1,700	1,700	470	2,400	<0.99[16]
07/15-16/04		--	--	11.04	0.00	--	--	--	--	--	--	--	--	--
08/03/04[8]		101.18	--	11.31	0.00	89.87	--	--	--	--	--	--	--	--
10/28-11/01/04		101.18	--	11.41	0.00	89.77	270[1]	<100[1]	21,000	1,900	1,400	880	3,500	--
01/24-31/05	LFP	101.18	--	10.78	0.00	90.40	280[1]	<250[1]	25,000	1,700	1,500	940	3,700	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-19 (cont)														
04/18-21/05	LFP	101.18	--	10.61	0.00	90.57	1,200[1]	<250[1]	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[24]	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	--	--	--	--	--	--	--	--
10/12-15/09		**101.18**	--	**11.83**	**0.00**	**89.35**	--	--	--	--	--	--	--	--
MW-20														
10/28-11/01/04		105.64	--	8.91	0.00	96.73	<80[1]	220[1]	<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[24]	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**	--	--	--	--	--	--	--	--
MW-21														
08/03/04[8]		94.76	--	25.89	0.00	68.87	--	--	--	--	--	--	--	--
08/12/04[8]		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[1,23]	<1,000[1,23]	31,000	5,200	730	1,300	4,500	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-21 (cont)														
01/24-31/05	LFP	94.76	--	25.85	0.00	68.91	<250[1]	<250[1]	130	230	0.6	<0.5	4.3	--
02/17/05[8]		94.76	--	25.82	0.00	68.94	<85[1]	<110[1]	130	280	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	94.76	--	25.94	0.00	68.82	<250[1]	<250[1]	110	230	<0.5	<0.5	3.9	--
07/27-28/05	LFP	94.76	--	25.75	0.00	69.01	<250[1]	<250[1]	79	220	<0.5	<0.5	<3.0	--
11/08-10/05	LFP	94.76	--	25.96	0.00	68.80	<78[1]	<97[1]	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	--	--	--	--	--	--	--	--
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[24]	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	LFP	94.76	--	26.11	0.00	68.65	36	<78	89	120	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**94.76**	**--**	**25.95**	**0.00**	**68.81**	**<29**	**<68**	**<50**	**88**	**<0.5**	**<0.5**	**<0.5**	**--**
MW-23														
10/26-27/04[8]		107.82	--	--	--	--	42,000[1]	<5,000[1,23]	57,000	--	--	--	--	--
10/28/04[8]		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	PER	107.82	--	5.32	0.00	102.50	13,000[1]	<4,100[1,23]	19,000	190	210	710	3,600	--
04/18-21/05	PER	107.82	--	8.78	0.00	99.04	2,400[1]	<250[1]	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[23]	3,500	27	30	31	310	--
12/06/07		107.82	--	7.85	0.00	99.97	7,200	<940[23]	310	<0.5	0.6	16	46	--
04/29/08		107.82	--	8.90[24]	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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-24														
10/26-27/04[8]		107.95	--	--	--	--	<800[1]	<1,000[1,23]	500	--	--	--	--	--
10/28/04[8]		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	PER	107.95	--	5.58	0.00	102.37	<250[1]	<250[1]	<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		--	--	--	--	--	--
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[24]	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**	--	--	--	--	--	--	--	--
MW-25														
10/26-27/04[8]		--	--	--	--	--	260[1]	<99[1]	11,000	--	--	--	--	--
10/28-11/01/04		101.96	--	12.36	0.00	89.60	--	--	--	--	--	--	--	--
01/24-31/05	LFP	101.96	--	11.81	0.00	90.15	440[1]	<250[1]	7,400	6.8	42	160	1,100	--
04/18-21/05	LFP	101.96	--	11.63	0.00	90.33	2,800[1,19]	<250[1]	22,000	17	300	750	3,900	--
07/27-28/05	LFP	101.96	--	11.73	0.00	90.23	2,400[1,20]	<250[1]	22,000	<20[23]	210	630	3,100	--
11/08-10/05	LFP	101.96	--	12.23	0.00	89.73	870[1,20]	<100[1]	14,000	<20[23]	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	7.0	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[24]	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	LFP	101.96	--	12.44	0.00	89.52	340	<66	190	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**101.96**	--	**12.62**	**0.00**	**89.34**	**440**	**<70**	**570**	**<0.5**	**<0.5**	**3**	**0.7**	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-26														
10/28-11/01/04		100.47	--	11.18	0.00	89.29	760[1]	<200[1]	57,000	8,300	4,300	1,600	8,700	--
01/24-31/05	LFP	100.47	--	10.59	0.00	89.88	<250[1]	<250[1]	3,100	310	190	54	510	--
02/17/05[8]		100.47	--	10.56	0.00	89.91	310[1]	<95[1]	27,000	6,800	1,900	990	4,800	--
04/18-21/05	LFP	100.47	--	10.39	0.00	90.08	<250[1]	<250[1]	3,500	730	320	100	660	--
07/27-28/05	LFP	100.47	--	10.55	0.00	89.92	270[1,20]	<250[1]	5,100	1,200	370	130	880	--
11/08-10/05	LFP	100.47	--	11.02	0.00	89.45	1,200[1,20]	<94[1]	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[24]	0.00	84.16	280	<95	130	9	<0.5	4	<0.5	--
05/01/08	(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	LFP	100.47	--	11.23	0.00	89.24	460	<66	<50	26	<0.5	11	<0.5	--
10/12-15/09	**LFP**	**100.47**	--	**11.41**	**0.00**	**89.06**	**1,200**	**<69**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--
MW-30														
02/10/05[8]		91.81	--	24.70	0.00	67.11	<77[1]	<96[1]	<48	4.1	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	91.81	--	24.76	0.00	67.05	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	LFP	91.81	--	24.72	0.00	67.09	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05	LFP	91.81	--	24.82	0.00	66.99	<83[1]	<100[1]	<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	--
11/06/08	(D)	91.81	--	--	0.00	--	<31	<71	<50	<0.5	<0.5	<0.5	<0.5	--
04/13-16/09	LFP	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	**LFP**	**91.81**	--	**24.77**	**0.00**	**67.04**	**<29**	**<68**	**<50**	**<0.5**	**0.5[29]**	**<0.5**	**<0.5**	--
10/12-15/09	**(D)**	**91.81**	--	--	**0.00**	--	--	--	**<50**	**<0.5**	**0.6[29]**	**<0.5**	**<0.5**	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-31														
02/10/05[8]		87.22	--	19.89	0.00	67.33	<77[1]	<96[1]	<48	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	87.22	--	20.02	0.00	67.20	<800[1,23]	<1,000[1,23]	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	LFP	87.22	--	19.89	0.00	67.33	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
11/08-10/05		87.22	--	20.12	0.00	67.10	NOT SAMPLED		--	--	--	--	--	--
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	LFP	87.22	--	20.04	0.00	67.18	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**87.22**	**--**	**19.99**	**0.00**	**67.23**	**<29**	**<68**	**<50**	**<0.5**	**1[29]**	**<0.5**	**<0.5**	**--**
MW-32														
07/27-28/05	LFP	101.09	--	11.43	0.00	89.66	1,200[1,20]	<250[1]	17,000	2,300	540	630	2,600	--
11/08-10/05	LFP	101.09	--	11.81	0.00	89.28	<80[1]	<100[1]	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[23]	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[24]	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	LFP	101.09	--	12.00	0.00	89.09	330	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**101.09**	**--**	**12.21**	**0.00**	**88.88**	**74**	**<67**	**<50**	**<0.5**	**0.7[29]**	**<0.5**	**<0.5**	**--**
MW-33														
07/27-28/05	LFP	100.31	--	28.33	0.00	71.98	630[1,20]	<250[1]	2,200	2,500	200	93	170	--
11/08-10/05	LFP	100.31	--	28.50	0.00	71.81	340[1,20]	<100[1]	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	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MW-33 (cont)														
04/28/08		100.36	--	30.46[24]	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	LFP	100.36	--	28.95	0.00	71.41	330	<68	1,800	2,500[27]	73[27]	110[27]	76[27]	--
10/12-15/09	**LFP**	**100.36**	**--**	**28.63**	**0.00**	**71.73**	**210**	**<68**	**1,200**	**1,300**	**37**	**78**	**40**	**--**
MW-34														
11/28/05[8]		--	--	--	--	--	<84[1]	<110[1]	<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	LFP	94.35	--	27.15	0.00	67.20	<29	<67	<50	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**94.35**	**--**	**27.10**	**0.00**	**67.25**	**<29**	**<67**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**
MW-35														
11/28/05[8]		--	--	--	--	--	280[1,22]	180[1]	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[24]	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	LFP	100.52	--	31.22	0.00	69.30	120	<68	83	100	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**100.52**	**--**	**30.98**	**0.00**	**69.54**	**50**	**<68**	**<50**	**58**	**<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					--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (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[8]		101.84	--	11.85	0.00	89.99	--	--	--	--	--	--	--	--
10/28-11/01/04		101.84	--	11.99	0.00	89.85	180,000[1]	<20,000[1,23]	81,000	7,500	9,500	1,100	9,000	--
01/24-31/05	LFP	101.84	--	11.37	0.00	90.47	21,000[1]	<1,000[1,23]	19,000	1,800	1,200	75	3,300	--
04/18-21/05	LFP	101.84	--	11.19	0.00	90.65	280,000[1]	<11,000[1,23]	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[23]	650	20	4.1	3.7	13	--
04/17-19/07	(D)	101.55	--	--	0.00	--	<1,500	<1,900[23]	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	--
04/29/08	(D)	101.63	--	--	0.00	--	490	<200	250	450	1	1	2	--
11/03/08		101.63	--	13.50	0.00	88.13	--	--	--	--	--	--	--	--
04/13-16/09[18]		101.63	--	11.84	0.00	89.79	--	--	--	--	--	--	--	--
10/12-15/09[18]		**101.63**	--	**12.05**	**0.00**	**89.58**	--	--	--	--	--	--	--	--
RW-2														
09/90		104.54	12.68	12.72	0.04	91.85	--	--	--	--	--	--	--	--
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	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
RW-2 (cont)														
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	NP	106.63	--	14.44	0.00	92.19	988[1]	<500[1]	1,380	90.5	8.05	29.2	31.5	2.23
01/21/03	NP	106.63	--	10.61	0.00	96.02	<250[1]	<500[1]	126	33.5	0.859	1.28	4.11	<1.00
04/23-24/03		106.63	--	10.30	0.00	96.33	<250[1]	<500[1]	55.7	<0.500	<0.500	0.642	2.64	<1.00[16]
06/30-07/01/03		106.63	--	13.72	0.00	92.91	505[1]	<500[1]	2,380	53.5	8.72	39.8	43.2	1.43[16]
10/01-02/03		106.63	--	15.05	0.00	91.58	1,400[1]	<250[1]	2,300	75	7.3	29	33	4.9[16]
01/21-23/04		106.63	--	10.22	0.00	96.41	<250[1]	<250[1]	53	1.2	0.7	1.3	8.9	<1.2[16]
04/29-30/04		106.63	--	13.31	0.00	93.32	270[1]	<250[1]	81	11	0.9	2.0	1.9	<0.99[16]
07/15-16/04		106.63	--	14.41	0.00	92.22	<250[1]	<500[1]	634	25.7	2.39	6.18	3.55	<1.00[16]
08/03/04[8]		106.63	--	14.90	0.00	91.73	--	--	--	--	--	--	--	--
10/28-11/01/04		106.63	--	14.68	0.00	91.95	280,000[1]	<40,000[1,23]	26,000	410	63	470	950	--
01/24-31/05	LFP	106.63	--	11.57	0.00	95.06	<250[1]	<250[1]	94	<0.5	<0.5	<2.0	2.5	--
04/18-21/05	LFP	106.63	--	9.18	0.00	97.45	260[1]	<250[1]	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[23]	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[24]	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	LFP	106.63	--	13.80	0.00	92.83	840	<65	340	21	0.9	0.5	0.8	--
10/12-15/09	**LFP**	**106.63**	**--**	**14.75**	**0.00**	**91.88**	**4,300**	**<680**	**1,100**	**35**	**4**	7	**11**	--
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[8]		102.17	--	12.17	0.00	90.00	--	--	--	--	--	--	--	--
10/28-11/01/04		102.17	--	12.12	0.00	90.05	6,200[1]	<1,000[1,23]	48,000	2,500	3,000	940	5,400	--
01/24-31/05	LFP	102.17	--	11.51	0.00	90.66	870[1]	<250[1]	2,200	70	79	13	140	--
04/18-21/05	LFP	102.17	--	11.30	0.00	90.87	290[1]	<250[1]	2,000	210	170	42	220	--
07/27-28/05		102.17	--	11.64	0.00	90.53	NOT SAMPLED		--	--	--	--	--	--
11/08-10/05		102.17	--	12.02	0.00	90.15	NOT SAMPLED		--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
DPE-2 (cont)														
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[23]	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[23]	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[18]	LFP	102.54	--	12.40	0.00	90.14	83	<72	93	<0.5	<0.5	<0.5	<0.5	--
10/12-15/09	**LFP**	**102.54**	**--**	**12.77**	**0.00**	**89.77**	**230**	**<68**	**330**	**0.8**	**<0.5**	**<0.5**	**<0.5**	**--**
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**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
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[23]	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	--
04/28-30/08		102.39	--	17.36	0.00	85.03	5,200	<2,500[23]	410	51	3	2	23	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
DPE-4 (cont)														
04/30/08	(D)	102.39	--	--	0.00	--	2,500	<2,000[23]	390	51	3	2	23	--
11/03/08		102.39	--	14.14	0.00	88.25	--	--	--	--	--	--	--	--
04/13-16/09[18]		102.39	--	12.56	0.00	89.83	--	--	--	--	--	--	--	--
10/12-15/09		**102.39**	--	**12.76**	**0.00**	**89.63**	--	--	--	--	--	--	--	--
DPE-5														
11/28/05[8]		--	--	--	--	--	5,300[1,20]	<1,000[1]	36,000	--	--	--	--	--
01/23/06		113.32	16.70	16.75	0.05	96.61	--	--	--	--	--	--	--	--
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[23]	<250	32	4	3	22	--
04/29/08	(D)	113.82	--	--	--	--	3,300	<1,900[23]	--	--	--	--	--	--
11/03/08[25]		113.82	--	22.45	0.00	91.37	12,000	<3,500[23]	460	77	7	4	17	--
04/13-16/09	LFP	113.82	--	14.63	0.00	99.19	690	83	110	2	<0.5	1	3	--
10/12-15/09	**LFP**	**113.82**	--	**18.60**	**0.00**	**95.22**	**25,000**	**<1,400**	**490**	**22**	**2[30]**	**19**	**10**	--
DPE-6														
11/28/05[8]		--	--	--	--	--	170[1,20]	<100[1]	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[23]	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	--
04/29/08	(D)	114.14	--	--	--	--	6,500	<480	--	--	--	--	--	--
11/04/08		114.14	--	21.30	0.00	92.84	11,000	<1,300[23]	870	16	12	7	63	--
04/13-16/09	LFP	114.14	--	20.60	0.00	93.54	16,000	880	900	100	6	16	24	--
10/12-15/09	**LFP**	**114.14**	--	**20.51**	**0.00**	**93.63**	**3,600**	**<680**	**490**	**18**	**3**	**8**	**9**	

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
DPE-7														
11/28/05[8]		--	--	--	--	--	6,200[1,20]	<1,000[1,23]	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[23]	3,800	78	40	97	180	--
12/04-05/07		113.15	--	27.52	0.00	85.63	120,000	<9,900[23]	760	44	1.7	28	15	--
04/28-29/08		113.13	--	22.26	0.00	90.87	6,100	<980[23]	<250	7	2	2	6	--
04/29/08	(D)	113.13	--	--	--	--	6,300	<980[23]	--	--	--	--	--	--
11/03/08		113.13	20.95	20.96	0.01	92.18	--	--	--	--	--	--	--	--
04/13-16/09[18]		113.13	--	19.90	0.00	93.23	--	--	--	--	--	--	--	--
10/12-15/09		**113.13**	--	**20.25**	**0.00**	**92.88**	--	--	--	--	--	--	--	--
DPE-8/MW-22														
10/26-27/04[8]		104.83	--	--	--	--	5,000[1]	<1,000[1,23]	54,000	--	--	--	--	--
10/28-11/01/04		104.83	--	14.11	0.00	90.72	--	--	--	--	--	--	--	--
01/24-31/05	PER	104.83	--	13.62	0.00	91.21	980[1]	<250[1]	55,000	5,200	6,300	1,500	8,800	--
04/18-21/05	PER	104.83	--	13.72	0.00	91.11	2,000[1]	<250[1]	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	--	--	--	--	--	--	--	--
08/31/06		104.83	15.21	16.33	1.12	89.40	--	--	--	--	--	--	--	--
09/15/06		104.83	15.47	16.55	1.08	89.14	--	--	--	--	--	--	--	--
10/17/06		104.35	15.75	17.12	1.37	88.32	--	--	--	--	--	--	--	--
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[23]	3,500	35	16	19	140	--
04/13-16/09	LFP	104.49	--	13.87	0.00	90.62	12,000	590	2,000	7	1	3	6	--
10/12-15/09	**LFP**	**104.49**	--	**13.90**	**0.00**	**90.59**	**3,900**	**<680**	**940**	**6**	**1[30]**	**0.6**	**3**	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
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[18]	103.46	--	12.30	0.00	91.16	--	--	--	--	--	--	--	--
10/12-15/09[18]	**103.46**	--	**13.56**	**0.00**	**89.90**	--	--	--	--	--	--	--	--
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	--
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[31]**	**<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[31]**	**<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[31]**	**<0.5**	**<0.5**	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
VP-1														
06/14/00		103.03	--	--	--	--	75,600	<12,500[23]	5,000	21.6	14.4	32.8	435	--
07/24/02		103.03	--	11.59	0.00	91.44	18,000[1]	1,500[1]	35,000	120	820	280	4,600	22.9
10/17-18/02		103.03	--	12.70	0.00	90.33	7,500[1]	598[1,2]	27,300	170	756	334	4,820	18.0[15]
01/21/03		103.03	--	12.70	0.00	90.33	14,200[1]	807[1,2]	36,700	90.5	801	500	6,630	47.1
04/23-24/03		103.03	--	11.63	0.00	91.40	2,830[1]	<500[1]	24,200	110	136	225	2,780	36.4[16]
06/30-07/01/03		103.03	--	12.21	0.00	90.82	20,200[1]	1,750[1]	8,000[7]	36.8[7]	49.2[7]	47.1[7]	618[7]	13.2[16]
10/01-02/03		103.03	--	13.11	0.00	89.92	40,000[1]	6,300[1]	7,600	56	47	22	690	31.2[16]
01/21-23/04		103.03	--	12.21	0.00	90.82	17,000[1]	3,200[1]	4,500	11	6.2	<20	85	4.2[16]
04/29-30/04		103.03	--	11.87	0.00	91.16	3,600[1]	1,100[1]	4,200	24	3.6	9.8	85	2.6[16]
07/15-16/04		103.03	--	13.41	0.00	89.62	1,050[1,14]	<500[1]	1,880	21.7	2.77	6.92	50.7	2.46[16]
08/03/04[8]		103.03	--	12.71	0.00	90.32	--	--	--	--	--	--	--	--
10/28-11/01/04		103.03	--	12.84	0.00	90.19	35,000[1]	18,000[1]	2,100	25	5.5	7.6	97	--
01/24-31/05		103.03	--	12.38	0.00	90.65	3,600[1]	1,300[1]	670	5.2	0.8	1.4	13	--
04/18-21/05	NP	103.03	--	12.09	0.00	90.94	5,500[1]	2,200[1]	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	0.00	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-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					--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
VP-3/MW-2 (cont)														
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														
MW-22														
NOT MONITORED/SAMPLED, REPLACED BY WELL DPE-8, SEE DPE-8 FOR MW-22 DATA														
MW-27														
01/24-31/05	LFP	97.26	--	29.81	0.00	67.45	<250[1]	<250[1]	<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	LFP	97.26	--	29.86	0.00	67.40	<250[1]	<250[1]	<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	LFP	87.78	--	21.18	0.00	66.60	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
02/10/05[8]		87.78	--	21.17	0.00	66.61	<79[1]	<98[1]	<48	<0.5	<0.5	<0.5	<1.5	--
04/18-21/05	LFP	87.78	--	21.22	0.00	66.56	<250[1]	<250[1]	<50	<0.5	<0.5	<0.5	<1.5	--
07/27-28/05	LFP	87.78	--	21.26	0.00	66.52	<250[1]	<250[1]	<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	LFP	80.88	--	15.14	0.00	65.74	<250[1]	<250[1]	<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		--	--	--	--	--	--
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														

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
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[1]	270[1]	9,100	4,400	360	520	1,300	12.0[16]
04/29-30/04		100.70	--	10.19	0.00	90.51	5,200[1]	<250[1]	11,000	5,000	750	550	1,600	10.6[16]
07/15-16/04[18]		100.70	--	10.59	0.00	90.11	1,300[1]	1,330[1]	18,900	5,350	341	554	1,350	2.32[16]
10/28-11/01/04		100.70	--	10.98	0.00	89.72	680[1]	<250[1]	10,000	4,800	120	680	1,100	--
01/24-31/05	LFP	100.70	--	10.49	0.00	90.21	770[1]	<250[1]	6,600	3,000	170	460	940	--
04/18-21/05	LFP	100.70	--	10.17	0.00	90.53	3,700[1,19]	<250[1]	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[1]	<2,000[1,23]	990	62	1.3	32	7.0	3.3
10/17-18/02		110.82	--	19.29	0.00	91.53	8,930[1]	939[1]	3,160	59.8	2.50	40.4	15.6	1.23
01/21/03		110.82	--	17.88	0.00	92.94	2,830[1]	<500[1]	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[8]		110.82	--	18.44	0.00	92.38	--	--	--	--	--	--	--	--
10/28-11/01/04		110.82	DRY	--	--	--	--	--	--	--	--	--	--	--
01/24-31/05		110.82	--	18.04	0.00	92.78	NOT SAMPLED DUE TO INSUFFICIENT WATER					--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
RW-4 (cont)														
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[1]	3,650[1]	3,370	696	67.2	63.0	408	3.91
01/21/03	NP	104.22	--	11.81	0.00	92.41	1,860[1]	<500[1]	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[1]	<500[1]	2,490	9.73	13.4	<5.00	870	7.31[16]
06/30-07/01/03		104.22	--	11.91	0.00	92.31	8,010[1]	<500[1]	2,170	34.6	20.3	8.10	1,050	1.98[16]
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[1]	<250[1]	470	64	12	2.5	65	1.6[16]
04/29-30/04		104.22	--	11.88	0.00	92.34	NOT SAMPLED DUE TO WIRE OBSTRUCTION				--	--	--	--
07/15-16/04[18]		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[1]	<10,000[1,23]	890	120	12	11	58	--
01/24-31/05	LFP	104.22	--	11.31	0.00	92.91	3,200[1]	360[1]	880	45	13	6.6	190	--
04/18-21/05	LFP	104.22	--	11.40	0.00	92.82	1,900[1,19]	400[1]	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														
MP-1														
07/24/02		--	INACCESIBLE - UNABLE TO OPEN WELL				--	--	--	--	--	--	--	--
10/17-18/02		--	INACCESIBLE - UNABLE TO OPEN WELL				--	--	--	--	--	--	--	--
08/03/04[8]		104.95	DRY	--	--	--	--	--	--	--	--	--	--	--
04/17/06		104.95	--	4.32	0.00	100.63	--	--	--	--	--	--	--	--
NOT MONITORED/SAMPLED														

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
MP-2													
07/24/02	--	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/04[8]	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													
VP-6													
NOT MONITORED/SAMPLED, REPLACED BY WELL DPE-1, SEE DPE-1 FOR VP-6 DATA													
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	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE	TOC[*] (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
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[8,11]	--	--	--	--	--	--	--	<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	--
05/03/04[8,11]	--	--	--	--	--	--	--	<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[8]	--	--	--	--	--	--	--	<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[8]	--	--	--	--	--	--	--	<48	<0.5	<0.5	<0.5	<1.5	--
02/17/05[8]	--	--	--	--	--	--	--	<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[25]	--	--	--	--	--	--	--	<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	--
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	--

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE	TOC* (ft.)	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-DRO (µg/L)	TPH-HRO (µg/L)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	D. LEAD (µg/L)
QA (cont)													
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	--

	TPH-DRO	TPH-HRO	TPH-GRO	B	T	E	X	D. LEAD
Standard Laboratory Reporting Limits:			50	0.5	0.5	0.5	1.5	1.00
MTCA Method A Cleanup Levels:	500	500	800/1,000	5	1,000	700	1,000	15
Current Method:	NWTPH-D Extended		NWTPH-G and EPA 8021B					EPA 7421

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to July 24, 2002, were compiled from reports prepared by SAIC.
Groundwater monitoring data and laboratory analytical results between February 22, 2006 and November 3, 2008, were compiled from reports prepared by SAIC.

TOC = Top of Casing
(ft.) = Feet
DTW/P = Depth to Water or Product
GWE = Groundwater Elevation
(msl) = Mean Sea Level
SPHT = Separated Phase Hydrocarbons Thickness
TPH = Total Petroleum Hydrocarbons
DRO = Diesel Range Organics
HRO = Oil Range Organics
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
D. LEAD = Dissolved Lead
(msl) = Mean Sea Level
-- = Not Measured/Not Analyzed
(µg/L) = Micrograms per liter
(ppb) = Parts per billion
QA = Quality Assurance/Trip Blank
NP = No Purge
LFP = Low Flow Purge
PER = Peristaltic Pump used for Purging
(D) = Duplicate
DTSPH = Depth to Separated Phase Hydrocarbons, from the TOC
MTCA = Model Toxics Control Act Cleanup Regulations
[WAC 173-340-720(2)(a)(I), as amended 02/01]

J = Estimated result between the method detection limit and the laboratory reporting limit
< = 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 inches in thickness, or there was insufficient water column to collect a DTW measurement

* TOC elevations have been surveyed in feet relative to msl.
** GWE corrected for the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.8)].
*** GWE corrected for the presence of SPH; correction factor: [(TOC - DTP - SPHT) + (SPHT x 0.8)]: Historical data has been altered to correct error in original reporting of depth to product as depth to water.
Where SPHT > 0.00, GWE is corrected for the presence of SPH; correction factor: [(TOC - DTW) + (SPHT x 0.8)].

ANALYTICAL METHOD:

TPH-DRO = Total Petroleum Hydrocarbons (TPH) as diesel organic range, analyzed by ECY 97-602 NWTPH-DX modified Method TPH-Dx with silica-gel cleanup.
TPH-HRO = TPH as heavy oil analyzed by ECY 97-602 NWTPH-DX modified Method TPH-Dx with silica-gel cleanup.
TPH-GRO = TPH as gasoline analyzed by ECY 97-602 NWTPH-GX modified Method.
BTEX = Benzene, (B) toluene, (T) ethylbenzene, (E) and total xylenes (X) analyzed by US Environmental Protectiong Agency (EPA) Method 8260B.
1,600/2,500 = BTEX analyzed by EPA Methods 8021B and 8260B. Second concentrations listed were obtained by EPA Method 8260B.

Analysis with silica gel cleanup.
Laboratory report indicates the heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
Laboratory report indicates this sample was received and analyzed unpreserved.
Laboratory report indicates results in the diesel organics range are primarily due to overlap from a gasoline range product.
Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation.
Sample broke during transport to laboratory.
Laboratory report indicates this sample was analyzed outside of our recommended holding time. See case narrative.
Data provided by SAIC.
MTBE by EPA Method 8021 was not detected at or above 10 ppb.

Table 1

Groundwater Monitoring Data and Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

EXPLANATIONS:

10 MTBE by EPA Method 8021 was not detected at or above 250 ppb.
11 MTBE by EPA Method 8021 was not detected at or above 2.5 ppb.
12 Absorbent sock in well.
13 MTBE by EPA Method 8021 was not detected at or above 50 ppb.
14 Laboratory report indicates the hydrocarbons present are a complex mixture of diesel range and heavy oil range organics.
15 Organic Lead was <300 ppb.
16 Laboratory report indicates this sample was laboratory filtered.
17 Due to limited sample volume; no results will be provided.
18 Pump in well.
19 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
20 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes earlier in the DRO range.
21 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel, additional patterns which elute earlier and later in the DRO range and individual peaks eluting in the DRO range.
22 BTEX by EPA Method 8260.
23 Laboratory Detection Limit is greater than the MTCA Method A Cleanup level.
24 DTW was adjusted to reflect the difference in measuring tape lengths between different water level meters used to collect DTW measurements across the site.
25 Analyzed for Methyl Tertiary Butyl Ether (MTBE); result = <0.5 µg/L.
26 Resampled at a later date due to original samples not returned to lab for analysis within the sample holding period.
27 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.
28 Insufficient water to determine GWE.
29 The Laboratory report indicates the result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 1 ug/l. Please refer to the letter accompanying the lab report for further explanation.
30 The Laboratory report indicates the result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 0.9 ug/l. Please refer to the letter accompanying the lab report for further explanation.
31 The Laboratory report indicates the result reported for toluene in this field blank may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. Please refer to the letter accompanying the lab report for further explanation.

Table 2

Groundwater Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (mg/L)	Nitrite as Nitrogen (mg/L)	Sulfate (µg/L)	Alkalinity to pH 4.5 (µg/L)	Alkalinity to pH 8.3 (µg/L)	Ferrous Iron (mg/L)	Sulfide (µg/L)
VP-7/MW-3										
03/26-28/91		50,000	8,600	<0.010	--	--	--	--	--	--
12/14/99		--	7.76	<0.10	--	13,400	--	--	11.7	--
VP-8/ MW-7										
12/11/08		5,470	527	0.840	<0.200	109,000	193,000	<460	<0.100	<54
04/13-16/09		1,690	217	0.770	<0.400	43,700	149,000	<460	0.960	<54
10/12-15/09		**1,220**	**187**	**2.300**	**<0.400**	**29,200**	**112,000**	**<460**	**2.800**	**<54**
VP-9										
12/15/99		--	420	9,200	--	34,000,000	--	--	9,400	--
MW-4										
12/15/99		--	10.5	<0.10	--	<200	--	--	6.15	--
11/10/08		<52.2	1,460	4.72	<0.200	220,000	117,000	<460	<0.100	<54
04/13-16/09		299	3,570	1.300	<0.400	133,000	206,000	<460	0.420[1]	<54
10/12-15/09		**643**	**6,300**	**<0.250**	**<0.400**	**99,200**	**267,000**	**<460**	**0.690**	**230**
MW-6										
05/01/08		22,900	5,170	0.560	<0.200	155,000	57,400	<460	17.3	270
11/10/08		6,590	32,400	21.1	0.300	785,000	38,900	<460	0.698	<54
11/10/08	(D)	6,370	32,700	21.0	0.310	843,000	39,200	<460	0.819	<54
04/13-16/09		8,860	14,800	0.280	<0.400	248,000	298,000	<460	3.500	<54
10/12-15/09		**4,060**	**5,560**	**<0.250**	**<0.400**	**72,900**	**397,000**	**<460**	**4.800**	**230**
MW-9										
12/15/99		--	10.5	--	--	--	--	--	6.15	--
11/10/08		23,400	21,400	<0.200	<0.200	13,800	578,000	<460	2.50	200
04/13-16/09		31,200	37,000	<0.250	<0.400	242,000	354,000	<460	30.200	110
10/12-15/09		**25,300**	**20,700**	**<0.250**	**<0.400**	**116,000**	**384,000**	**<460**	**25.000**	**130**

Table 2

Groundwater Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (mg/L)	Nitrite as Nitrogen (mg/L)	Sulfate (µg/L)	Alkalinity to pH 4.5 (µg/L)	Alkalinity to pH 8.3 (µg/L)	Ferrous Iron (mg/L)	Sulfide (µg/L)
MW-10										
03/26-28/91		15,000	3,200	0.243	--	--	--	--	1.59	--
03/26-28/91	(D)	10,000	3,400	0.243	--	--	--	--	--	--
12/15/99		--	5.12	0.72	--	70,600	--	--	<2.00	--
05/01/08		32,800	3,110	0.320	<0.200	33,900	208,00	<460	--	<54
11/10/08		390	1,570	1.33	<0.200	45,900	168,000	<460	0.120	<54
04/13-16/09		575	2,860	2.000	<0.400	64,400	192,000	<460	0.510	<54
10/12-15/09		**2,970**	**3,350**	**<0.250**	**<0.400**	**79,600**	**181,000**	**<460**	**0.470**	**<54**
MW-15										
12/11/08		116	96	0.490	<0.200	25,400	44,400	<460	<0.100	<54
04/13-16/09		405	139	<0.250	<0.400	6,600	29,100	<460	<0.010	<54
10/12-15/09		**274**	**330**	**<0.250**	**<0.400**	**99,800**	**84,800**	**<460**	**0.037**	**<54**
MW-16										
05/02/08		2,250	1,240	1.63	0.600	23,900	121,000	<460	<0.250	<54
11/06/08		181	1,900	5.58	<0.200	46,200	50,300	<460	<0.100	<54
04/13-16/09		508	205	9.800	<0.400	24,900	63,100	<460	<0.010	<54
10/12-15/09		**78.4**	**172**	**14.900**	**<0.400**	**24,700**	**67,300**	**<460**	**0.017**	**<54**
MW-17										
05/01/08		2,820	2,570	<0.200	<0.200	27,600	111,000	<460	<0.250	<54
11/06/08		499	1,990	1.50	<0.200	65,700	92,800	<460	<0.100	<54
11/06/08	(D)	647	2,450	1.09	<0.200	68,400	111,000	<460	<0.100	<54
04/13-16/09		343	1,520	1.500	<0.400	68,000	92,900	<460	0.130	<54
10/12-15/09		**273**	**2,890**	**2.900**	**<0.400**	**28,000**	**218,000**	**<460**	**0.180**	**<54**
MW-18										
12/11/08		3,170	4,300	<0.200	<0.200	55,300	266,000	<460	<0.100	<54
04/13-16/09		8,880	3,220	<0.250	<0.400	77,500	196,000	<460	2.100	<54
10/12-15/09		**2,670**	**3,820**	**<0.250**	**<0.400**	**41,900**	**247,000**	**<460**	**2.900**	**66**

Table 2

Groundwater Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE		Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (mg/L)	Nitrite as Nitrogen (mg/L)	Sulfate (µg/L)	Alkalinity to pH 4.5 (µg/L)	Alkalinity to pH 8.3 (µg/L)	Ferrous Iron (mg/L)	Sulfide (µg/L)
MW-21										
05/01/08		8,110	395	<0.200	<0.200	21,900	268,000	<460	2.13	<54
11/06/08		5,980	374	<0.200	<0.200	18,400	260,000	<460	0.216	<54
04/13-16/09		6,260	334	<0.250	<0.400	18,900	245,000	<460	4.600	<54
10/12-15/09		**4,740**	**299**	**<0.250**	**<0.400**	**19,900**	**234,000**	**<460**	**5.100**	**<54**
MW-26										
05/01/08		3,030	3,660	<0.200	<0.200	137,000	129,000	<460	0.373	57
05/01/08	(D)	3,210	3,660	<0.200	<0.200	133,000	131,000	<460	0.817	<54
11/06/08		4,260	3,710	0.800	<0.200	117,000	156,000	<460	0.275	78
04/13-16/09		319	1,380	5.600[4]	<8.000[4]	16,500	142,000	<460	0.071	<54
10/12-15/09		**<52.2**	**1,040**	**10.300**	**<0.400**	**60,800**	**88,400**	**<460**	**0.012**	**<54**
MW-30										
04/30/08		1,570	144	4.91	<0.200	16,500	228,000	<460	<0.250	<54
11/06/08		196	108	4.11	<0.200	10,700	226,000	<460	<0.100	<54
11/06/08	(D)	325	92.9	4.09	<0.200	11,000	224,000	<460	<0.100	<54
04/13-16/09		410	174	4.800[2]	<0.400	13,200	225,000	<460	<0.010	<54
10/12-15/09		**59.8**	**120**	**9.500**	**<0.400**	**15,500**	**216,000**	**<460**	**<0.010**	**<54**
MW-34										
04/30/08		1,750	37.4	11.4	<0.200	23,000	113,000	<460	<0.250	<54
11/06/08		426	15.7	15.9	<0.200	24,500	90,100	<460	<0.100	<54
04/13-16/09		<52.2	0.91	15.200	<0.400	47,400	96,100	<460	0.075[3]	<54
10/12-15/09		**576**	**15.3**	**12.300**	**<0.400**	**37,100**	**102,000**	**<460**	**0.030**	**<54**
MW-35										
05/01/08		2,010	3,620	<0.200	<0.200	<1500	391,000	<460	0.636	<54
04/13-16/09		21,300	2,330	<0.250	<0.400	21,700	357,000	<460	19.500	73
10/12-15/09		**14,700**	**1,880**	**<0.250**	**<0.400**	**37,100**	**214,000**	**<460**	**2.900**	**170**

Table 2

Groundwater Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

WELL ID/ DATE	Iron (µg/L)	Manganese (µg/L)	Nitrate as Nitrogen (mg/L)	Nitrite as Nitrogen (mg/L)	Sulfate (µg/L)	Alkalinity to pH 4.5 (µg/L)	Alkalinity to pH 8.3 (µg/L)	Ferrous Iron (mg/L)	Sulfide (µg/L)
DPE-8/MW-22									
11/06/08	99,600	22,300	<0.200	<0.200	4,200	529,000	<460	4.62	580
04/13-16/09	24,200	5,980	0.340	<0.400	47,300	228,000	<460	23.700	140
10/12-15/09	**13,600**	**3,830**	**<0.250**	**<0.400**	**46,800**	**188,000**	**<460**	**15.100**	**610**

Table 2

Groundwater Analytical Results
Former Texaco Service Station (Site #211577)
631 Queen Anne Avenue North
Seattle, Washington

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to November 6, 2008, were compiled from reports prepared by SAIC.

(µg/L) = Micrograms per liter
(mg/L) = milligrams per liter
-- = Not Measured/Not Analyzed
(D) = Duplicate

P = The analyte was detected above the instrument detection limit but below the established minimum quantitation limit
< = Analyte not detected at or above the laboratory reporting limit. Number represents reporting limit
J = Anatyle was positively identified. The associated numerical result is an estimate

ANALYTICAL METHODS:

Manganese analyzed by Method SW-846 6010B
Alkalinity analyzed by SM20 Method 2320 B
Sulfate analyzed by EPA Method 300.0
Nitrate-Nitrogen and Nitrite-Nitrogen analyzed by EPA Method 300.0
Ferrous Iron analyzed by 3500-Fe B
Sulfide analyzed by Method SM20 4500 S2 D

1 Laboratory report indicates this sample was analyzed twice for ferrous iron. The result of the second analysis was 471 µg/L.

2 Laboratory report indicates this sample was originally analyzed within the 48 hour holding time for nitrate-nitrogen, however the continuing calibration standard bracketing the sample was not within specification. The analysis was repeated on April 17, 2009. The continuing calibration standard bracketing the sample on the second trial was within specification. The first trial result is being reported because it was analyzed within the holding time. The second trial result was 5,100 ug/L.

3 Laboratory report indicates this sample was analyzed twice for ferrous iron. The result of the second analysis was 230 ug/L.

4 Laboratory report indicates the reporting limit(s) for the analyte(s) was raised due to matrix inference.

Table 3

Separate Phase Hydrocarbon Thickness/Removal Data

Former Texaco Service Station (Site #211577)

631 Queen Anne Avenue North

Seattle, Washington

WELL ID/ DATE	DTP *(ft.)*	DTW *(ft.)*	SPH THICKNESS *(ft.)*	AMOUNT BAILED (SPH + WATER) *(gallons)*
VP-4				
10/17-18/02	12.75	12.78	0.03	0.00
01/21/03	12.61	12.71	0.10	0.00
04/23-24/03	11.72	11.75	0.03	0.00
06/30-07/01/03	12.31	12.34	0.03	0.00
10/01-02/03	13.26	13.29	0.03	0.00
01/21-23/04	12.34	12.37	0.03	0.00
04/29-30/04	--	12.21	0.00	0.00
07/15-16/04	--	12.62	0.00	0.00
10/28-11/01/04	--	12.98	0.00	0.00
01/24-31/05	--	12.39	0.00	0.00
04/18-21/05	--	12.14	0.00	0.00
07/27-28/05	--	12.51	0.00	0.00
11/08-10/05	--	12.91	0.00	0.00
VP-6				
07/24/02	10.60	12.18	1.58	0.00
10/17-18/02	11.35	12.00	0.65	0.00
01/21/03	11.27	12.90	1.63	0.00
04/23-24/03	10.75	10.90	0.15	0.00
06/30-07/01/03	11.32	11.54	0.22	0.00
10/01-02/03	12.12	12.91	0.79	0.00
01/21-23/04	NOT MONITORED/SAMPLED DUE TO WELL OBSTRUCTION AT 2.41 FEET			
NOT MONITORED/SAMPLED - REPLACED BY DPE-1(VP-6)				
VP-7(MW-3)				
06/30-07/01/03	10.08	10.11	0.03	0.00
10/01-02/03	--	10.98	0.00	0.00
01/21-23/04	--	10.09	0.00	0.00
04/29-30/04	--	9.96	0.00	0.00
07/15-16/04	--	10.38	0.00	0.00
10/28-11/01/04	--	10.76	0.00	0.00
01/24-31/05	--	10.13	0.00	0.00
04/18-21/05	--	9.97	0.00	0.00
07/27-28/05	--	10.28	0.00	0.00
11/08-10/05	--	10.57	0.00	0.00
MW-6				
10/17-18/02	20.64	20.69	0.05	0.00
01/21/03	21.71	21.74	0.03	0.00
04/23-24/03	20.88	20.91	0.03	0.00
06/30-07/01/03	21.38	21.41	0.03	0.00
10/01-02/03	23.04	23.07	0.03	0.00
01/21-23/04	INACCESSIBLE - JUNKED VEHICLE OVER WELL			--
04/29-30/04[1]	20.20	20.22	0.02	0.00
07/15-16/04	--	20.48	0.00	0.00
10/28-11/01/04	--	20.93	0.00	0.00
01/24-31/05	--	20.38	0.00	0.00

Table 3

Separate Phase Hydrocarbon Thickness/Removal Data

Former Texaco Service Station (Site #211577)

631 Queen Anne Avenue North

Seattle, Washington

WELL ID/ DATE	DTP (ft.)	DTW (ft.)	SPH THICKNESS (ft.)	AMOUNT BAILED (SPH + WATER) (gallons)
MW-6 (cont)				
04/18-21/05	--	20.31	0.00	0.00
07/27-28/05	--	20.39	0.00	0.00
11/08-10/05	--	20.79	0.00	0.00
RW-4				
07/15-16/04	17.98	18.20	0.22	0.00
10/28-11/01/04	DRY	--	--	--
10/28-11/01/04	DRY	--	--	--
01/24-31/05	--	18.04	0.00	0.00
04/18-21/05	--	17.86	0.00	0.00
07/27-28/05	INACCESSIBLE - VEHICLE PARKED OVER WELL			
DPE-1(VP-6)				
04/29-30/04	11.20	11.25	0.05	0.00
07/15-16/04	11.61	11.63	0.02	0.00
10/28-11/01/04	--	11.99	0.00	0.00
01/24-31/05	--	11.37	0.00	0.00
04/18-21/05	--	11.19	0.00	0.00
07/27-28/05	--	11.50	0.00	0.00
11/08-10/05	--	11.76	0.00	0.00
DPE-2				
04/29-30/04	11.31	11.51	0.20	0.00
07/15-16/04	--	11.73	0.00	0.00
10/28-11/01/04	--	12.12	0.00	0.00
01/24-31/05	--	11.51	0.00	0.00
04/18-21/05	--	11.30	0.00	0.00
07/27-28/05	--	11.64	0.00	0.00
11/08-10/05	--	12.02	0.00	0.00

Table 3

Separate Phase Hydrocarbon Thickness/Removal Data

Former Texaco Service Station (Site #211577)

631 Queen Anne Avenue North

Seattle, Washington

EXPLANATIONS:

DTP = Depth to Product

DTW = Depth to Water

(ft.) = Feet

SPH = Separate Phase Hydrocarbons

-- = Not Measured

Note: Historical data has been altered to correct error in original reporting of depth to product as depth to water.

[1] Absorbent sock in well.

Table 4

Groundwater Analytical Results - SVOCs and PAHs

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

WELL ID	DATE	2-Methylnaphthalene (µg/L)	2,4-Dimethylphenol (µg/L)	Naphthalene (µg/L)	Phenol (µg/L)	2-Methylphenol (µg/L)	4- Methylphenol (µg/L)	bis (2-Ethylhexyl) phthalate (µg/L)	Benzoic acid (µg/L)
VP-1	7/24/2002	84	80	160	ND	13	18	31	<10
VP-2	7/24/2002	UNABLE TO LOCATE		--	--	--	--	--	--
VP-5(MW-5)	7/24/2002	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
VP-7(MW-3)	7/24/2002	69	28	420	ND	<5.0	6	<10	34
VP-8(MW-7)	7/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<10	<10
VP-9	7/24/2002	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
MW-4	7/24/2002	160	24	500	ND	6	9	<10	<10
MW-10	7/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	13	<10
MW-11	7/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<10	<10
MW-12	10/17-18/02	<10.0	<10.0	<10.0	<10.0	<10.0	--	<50.0	<20.0
MW-13	10/17-18/02	--	--	--	--	--	--	--	--
MW-14	10/17-18/02	--	--	--	--	--	--	--	--
	11/14/02	52.2	13.4	242	34.5	11.0	24.8[1]	<50.0	<20.0
MW-15	10/17-18/02	--	--	--	--	--	--	--	--
	11/14/02	<10.0	<10.0	<10.0	37.0	<10.0	<10.0[1]	<50.0	<20.0
RW-4	7/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<10	<10

Table 4

Groundwater Analytical Results - SVOCs and PAHs

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

EXPLANATIONS:

-- = Not Analyzed
ND = Not Detected
(µg/L) = Micrograms per liter

ANALYTICAL METHODS:

Semi-Volatile Organic Compounds (SVOC) by EPA Method 8270
Polynuclear Aromatic Hydrocarbons (PAH) by EPA Method 8270

NOTE:

Other PAHs and SVOCs constituents were less than the reporting limit.

[1] Results are for 3 & 4-Methylphenol.

Table 5

Groundwater Analytical Results - VOCs

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

/ELL ID/ ATE	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	m+p-Xylene (µg/L)	o-Xylene (µg/L)	Isopropylbenzene (µg/L)	n-Propylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	sec-Butylbenzene (µg/L)	p-Isopropyltoluene (µg/L)	n-Butylbenzene (µg/L)	Naphthalene (µg/L)	Methyl t-butyl ether (µg/L)	t-Butyl alcohol (µg/L)
P-3(MW-2)																			
7/24/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
P-5(MW-5)																			
7/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL						--	--	--	--	--	--	--	--	--	--	--	--	--
P-7(MW-3)																			
)/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<100
P-9																			
7/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL						--	--	--	--	--	--	--	--	--	--	--	--	--
W-4																			
7/24/02	ND	<8.0	12,000	10,000	1,800	ND	ND	8,900	3,500	46	140	500	1,800	<10	<10	23	360	6	120
)/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50.0	<500
W-10																			
7/24/02	ND	15	2	<0.5	<0.5	ND	ND	<0.5	<0.5	<2	<1	<1	<1	1	<1	<1	<2	<2	<100
W-11																			
7/24/02	ND	<1	<0.5	<0.5	<0.5	ND	ND	<0.5	<0.5	<2	<1	<1	<1	<1	<1	<1	<2	<2	<100
W-20																			
/28-11/01/04[1]	<0.8	<0.8	<0.5	<0.5	<0.5	<0.8	<1	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5	--
W-22																			
/26-27/04[2]	<4	8	6,600	7,500	1,600	<4	9	7,100	2,800	--	--	--	--	--	--	--	--	<3	--
W-23																			
/26-27/04[2]	<8	<8	810	10,000	2,200	<8	<10	8,600	3,600	--	--	--	--	--	--	--	--	<5	--

Table 5

Groundwater Analytical Results - VOCs

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

WELL ID/ DATE	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	m+p-Xylene (µg/L)	o-Xylene (µg/L)	Isopropylbenzene (µg/L)	n-Propylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	sec-Butylbenzene (µg/L)	p-Isopropyltoluene (µg/L)	n-Butylbenzene (µg/L)	Naphthalene (µg/L)	Methyl t-butyl ether (µg/L)	t-Butyl alcohol (µg/L)
MW-24																			
10/26-27/04[2]	<0.8	<0.8	<0.5	<0.5	<0.5	<0.8	<1	2	1	--	--	--	--	--	--	--	--	<0.5	--
MW-25																			
10/26-27/04[2]	<4	<4	52	110	340	<4	<5	1,400	450	--	--	--	--	--	--	--	--	<3	--
MW-26																			
10/28-11/01/04	<4	<4	9,100	4,400	1,500	<4	<5	6,600	2,500	--	--	--	--	--	--	--	--	<3	--
MW-12																			
10/17-18/02	1.68	9.07	<1.00	<1.00	<1.00	9.58	2.75	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	<50.0
MW-13																			
10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14																			
10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15																			
10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-32																			
07/27-28/05	<3	<3	2,100	470	560	<3	<4	1,900	600	--	--	--	--	--	--	--	--	<2	--
MW-33																			
07/27-28/05[3]	<3	<3	4,800	180	86	<3	<4	33	120	--	--	--	--	--	--	--	--	4	--
MW-34																			
11/28/05[2]	<0.8	<0.8	<0.5	<0.5	<0.5	1	<1	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5	--

Table 5

Groundwater Analytical Results - VOCs

Former Texaco Service Station (Site #211577)

631 Queen Anne Avenue North

Seattle, Washington

WELL ID/ DATE	Chloroform (µg/L)	cis-1,2-Dichloroethene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Tetrachloroethene (µg/L)	Trichloroethene (µg/L)	m+p-Xylene (µg/L)	o-Xylene (µg/L)	Isopropylbenzene (µg/L)	n-Propylbenzene (µg/L)	1,3,5-Trimethylbenzene (µg/L)	1,2,4-Trimethylbenzene (µg/L)	sec-Butylbenzene (µg/L)	p-Isopropyltoluene (µg/L)	n-Butylbenzene (µg/L)	Naphthalene (µg/L)	Methyl t-butyl ether (µg/L)	t-Butyl alcohol (µg/L)
MW-35																			
1/28/05[2]	<0.8	<0.8	30	<0.5	<0.5	<0.8	<1	<0.5	1	--	--	--	--	--	--	--	--	<0.5	--
PE-5																			
1/28/05[2]	<0.8	<0.8	2,200	3,000	660	<0.8	<1	4,000	1,700	--	--	--	--	--	--	--	--	<0.5	--
PE-6																			
1/28/05[2]	<0.8	8	98	4	3	<0.8	<1	7	3	--	--	--	--	--	--	--	--	<0.5	--
PE-7																			
1/28/05[2,4]	<0.8	<0.8	630	1,600	260	<0.8	<1	1,800	630	--	--	--	--	--	--	--	--	<0.5	--
MW-4																			
7/24/02	ND	<1	70	1	36	ND	ND	3	2	<2	3	<1	20	<1	2	1	5	<2	<100
Trip Blank																			
0/26-27/04[2]	<0.8	<0.8	<0.5	<0.5	<0.5	<0.8	<1	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5	--
1/28/05[2]	<0.8	<0.8	<0.5	<0.5	<0.5	<0.8	<1	<0.5	<0.5	--	--	--	--	--	--	--	--	<0.5	--

Table 6

Groundwater Analytical Results - Dissolved Metals

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

WELL ID/ DATE	MERCURY (µg/L)	ARSENIC (µg/L)	CADMIUM (µg/L)	CHROMIUM (µg/L)	SELENIUM (µg/L)	SILVER (µg/L)	BARIUM TR (µg/L)
VP-2							
07/24/02	UNABLE TO LOCATE		--	--	--	--	--
VP-3(MW-2)							
07/24/02	DRY	--	--	--	--	--	--
VP-5(MW-5)							
07/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--
VP-6							
07/24/02	NOT SAMPLED - DUE TO PRESENCE OF SPH			--	--	--	--
NOT MONITORED/SAMPLED - REPLACED BY DPE-1(VP-6)							
VP-7(MW-3)							
07/24/02	<0.079	97.3	<0.080	2.2	<1.1	0.068	33.6
VP-8(MW-7)							
07/24/02	<0.079	2.1	0.13	0.82	<1.1	<0.050	49.6
VP-9							
07/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--
MW-4							
07/24/02	<0.079	31.0	<0.080	<0.28	<1.1	<0.050	63.8
MW-10							
07/24/02	<0.079	4.1	0.17	0.38	<1.1	<0.050	52.1
MW-14							
11/14/02	<1.00	17.0	<1.00	<1.00	1.48	<1.00	18.4
MW-15							
11/14/02	<1.00	1.33	<1.00	<1.00	<1.00	<1.00	<10.0
RW-2							
07/24/02	UNABLE TO LOCATE		--	--	--	--	--

Table 6

Groundwater Analytical Results - Dissolved Metals

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

WELL ID/ DATE	MERCURY (µg/L)	ARSENIC (µg/L)	CADMIUM (µg/L)	CHROMIUM (µg/L)	SELENIUM (µg/L)	SILVER (µg/L)	BARIUM TR (µg/L)
RW-3							
07/24/02	UNABLE TO LOCATE		--	--	--	--	--
RW-4							
07/24/02	<0.079	6.1	<0.080	1.2	<1.1	<0.050	66.9
RW-5							
07/24/02	UNABLE TO LOCATE		--	--	--	--	--

EXPLANATIONS:

(µg/L) = Micrograms per liter
-- = Not Analyzed
(D) - Duplicate

ANALYTICAL METHODS:

Dissolved Metals by EPA Method Series 7000
Barium TR by EPA Method 6010B

Table 7

Groundwater Analytical Results - Oxygenate Compounds

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

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-12	10/18/02	--	<50.0	<5.00	--	<1.00	<1.00	--	--
MW-3	10/18/02	<40.0	<100	<10.0	<2.00	<2.00	<2.00	<1.00	<1.00
MW-4	10/18/02	<200	<500	<50.0	<10.0	<10.0	<10.0	<5.00	<5.00
MW-20	10/28-11/01/04	--	--	<0.5	--	--	--	<0.5	<0.5
MW-22	10/26-27/04[1]	--	--	<3	--	--	--	<3	<3
MW-23	10/26-27/04[1]	--	--	<5	--	--	--	<5	<5
MW-24	10/26-27/04[1]	--	--	<0.5	--	--	--	<0.5	<0.5
MW-25	10/26-27/04[1]	--	--	<3	--	--	--	<3	<3
MW-26	10/28-11/01/04	--	--	<3	--	--	--	<3	<3

EXPLANATIONS:

TBA = t-Butyl alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = di-Isopropyl ether
ETBE = Ethyl t-butyl ether
TAME = t-Amyl methyl ether
1,2- DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(µg/L) = Micrograms per liter

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

[1] Data provided by SAIC.

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, temperature, pH and electrical conductivity are measured. If purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. The measurements are taken a minimum of three times during the purging. Purging continues until these parameters stabilize. Purge water is treated by filtering the water through granular activated carbon and is subsequently discharged to the ground surface at the site.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used for all samples. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. 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. 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.

Standard Operating Procedure, Low-Flow Purging and Sampling

This procedure is designed to assist the user in taking representative groundwater samples from groundwater monitoring wells. Samples will be collected using low-flow (minimal drawdown) purging and sampling methods as 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."

The field sampler's objective is to purge and sample the well so that the water that is discharged from the pump, and subsequently collected, is representative of the formation water from the aquifer's identified zone of interest.

The wells to be sampled are equipped with QED Well Wizard™ bladder (squeeze-type) pumps or Peristaltic Pumps Each bladder pump or the suction inlet tubing of the peristaltic pump is positioned with its inlet located within the screened interval of the well. The down well equipment includes a bladder pump or Teflon-lined PE (polyethylene) tubing.

Initial Pump Flow Test Procedures

If possible, the optimum flow rate for each well will be established during well development or redevelopment, or in advance of the actual sampling event. The monitoring well must be gauged for Static Water Level (SWL) prior to the installation of the pump and before pumping of any water from the well. The measurement will be documented on a Low Flow Ground Water Sample Collection Record, or field data sheet.

After pump installation, and confirmation that the SWL has returned to its original level (as determined prior to pump installation), the bladder pump or peristaltic pump should be started at a discharge rate between 100 ml to 300 ml per minute without any in-line flow cell connected. The water level in the well casing must be monitored continuously for any change from the original measurement. If significant drawdown is observed, the pump's flow rate should be incrementally reduced until the SWL drawdown ceases and stabilizes. Total drawdown from the initial (static) water level should not exceed 25% of the distance between pump inlet location and the top of the well screen. (For example, if a well has a 10-foot screen zone and the pump inlet is located mid-screen; the maximum drawdown should be 1.25 feet.) In any case, the water level in the well should not be lowered below the top of the screen/intake zone of the well.

Once the specific well's optimum discharge rate, without an in-line flow cell connected, has been determined and documented, the in-line flow cell system to be used is connected to the well discharge and the control settings required to achieve the well's optimum discharge rate are determined with the in-line flow cell connected. (Due to the system's back-pressure, the discharge rate will be decreased by 10-20%). All control settings are to be documented on the gauging and sampling sheet as specific to that particular well's ID and will be utilized for its subsequent purging and sampling events.

Purge and Sampling Events

Prior to the initiation of purging a well, the SWL will be measured and documented. The pump will be started utilizing its documented control settings and its discharge rate will be confirmed by volumetric discharge measurement with the in-line flow cell connected. If necessary, any minor modifications to the control settings to achieve the well's optimum discharge rate will be documented on the gauging sheet. When the optimum pump flow rate has been established, the SWL draw down has stabilized within the required range and at least one pump system volume (bladder volume + discharge tubing volume) has been purged, begin taking field measurements for pH, temperature (T), conductivity (Ec), oxygen reduction potential (ORP) and dissolved oxygen (DO) using a "QED" Model MP-20 in-line flow cell, or other multi-parameter meter. All water chemistry field measurements will be documented on the field data sheet. Measurements should be taken every three to five minutes until stabilization has been achieved. Stabilization is achieved after all parameters have stabilized for three consecutive readings. In lieu of measuring all five parameters, a minimum subset would include pH, conductivity and dissolved oxygen. Three consecutive measurements indicating stability should be within:

Temperature	± 10%
pH	± 0.1 units
Conductance	± 03

When water quality parameters have stabilized, and there has been no change in the stabilized SWL (ie. No continuous draw down), sample collection may begin.

Equipment List

The following equipment is needed to conduct low flow purging and sampling:

- Bladder pump installed within the well's screened interval
- Pump controller and air source set to operate at the specific well's documented optimum discharge rate
- In-line flow cell and meter(s) with connection fittings and tubing to measure water quality
- Water level probe or installed dedicated water level measurement system
- Sample containers appropriate for the analytical requirements
- Low Flow Ground Water Sample Collection Record, or field data sheets
- 300-500 milliliter graduated cylinder or measuring cup
- 5 gallon bucket(s) for collecting purge water
- Wristwatch with second hand or stopwatch
- Sufficient cleaning and decontamination supplies if portable water level probe is utilized
- Peristaltic pump & tubing, in place of bladder pump, if applicable
- Multi-parameter meter, in place of in-line flow cell, if applicable

Procedure QED Bladder Pumps

1. Calibrate all field instruments at the start of each day's deployment per the instrument manufacturer's instructions. Record calibration data on the "Field Instruments Calibration Documentation Form."
2. Drive to the first well scheduled to be sampled (typically the least contaminated). Make notes in the field logbook, describing the well condition and activity in the vicinity of the well. Decontaminate the portable water gauging probe by washing with phosphate-free detergent, rinsing with potable water.
3. Measure the depth to water from the surveyed reference mark on the wellhead and record the measurement on the gauging and sampling sheet. Lock the water level meter in place so that the level can be monitored during purging and sampling. When placing the probe in the well, take precautions to not disturb or agitate the water.
4. Connect the compressed air source's airline to the pump controller's "AIR IN" connection (If utilizing a gas-engine operated compressor, locate the compressor at least 25 feet, down wind from the wellhead).
5. Connect the pump controller "AIR OUT" air-line to the bladder pump's air supply fitting at the wellhead.
6. Connect the pump discharge line to the in-line flow cell's "IN" fitting.
7. Connect the flow cell's "OUT" line and secure to drain the purge water into the purge water collection container.
8. Start the air supply to the pump. Set the pump controller settings to the documented settings for the specific well. Confirm the flow rate is equal to the well's established optimum flow rate. Modify as necessary (documenting any required modifications).
9. Monitor the water level and confirm that the SWL draw down has stabilized within the well's allowable limits.
10. After a single pump-system's volume (bladder volume + discharge tubing volume) has been adequately purged, read and record water quality field measurements every three to five minutes until all parameters have stabilized within their allowable ranges for at least three consecutive measurements. When stabilization has been achieved, sample collection may begin.
11. Disconnect the flow cell, and it's tubing, from the pump discharge line before collecting samples. Decrease the pump rate to 100 milliliters per minute or less by lowering the controller's air pressure setting prior to collecting samples for volatiles. Utilize the QED Model 400 Controller's 'MANUAL SAMPLE' button to ensure minimized sample exposure to the ambient air. Refer to

the task instructions for the correct order and procedures for filling sample containers. Place the samples in a cooler with enough ice to keep them at 4 degrees Centigrade.

12. Once samples for volatiles have been collected, re-establish pump flow rate to the original purge flow rate by inputting the documented controller settings for the well without the in-line flow cell connected and collect remaining samples.
13. When all sample containers have been filled, make a final measurement of the well's SWL and record the measurement on the gauging and sampling sheet. If the well has a "QED" dedicated bottom sounder, measure the well's total depth and record the measurement, as well.
14. Measure and record total purge volume collected. Consolidate generated purge water.
15. Remove and decontaminate the portable water level probe with phosphate-free detergent, rinsing with potable water.
16. Disconnect the controller air supply to the pump.
17. Secure the pump's discharge line/discharge adapter in the wellhead.
18. Secure the wellhead cover and secure with its lock. Move equipment to next well to be sampled.
19. At the end of each day, post calibrate all field instruments and record the measurements on the "Field Calibration Documentation Form".
20. Clean and decontaminate the in-line flow cell with phosphate-free detergent, rinsing with potable water.

Procedure Peristaltic Pump

1. Record all depth to water readings on field data sheets
2. Calibrate all field instruments according to manufacturer's directions.
3. Setup pump and install silicone tubing in the roller head.
4. Place suction tubing at desired intake level in well, (mid screen) and attach to the intake side of the pump roller head.
5. Attach tubing at discharge side of pump head and place in collection container.
6. Start pump and adjust flow rate to achieve flow without depressing water level more than necessary (approx. 0.30').
7. Record parameter readings after parameters have stabilized (3 consecutive readings that fall within the acceptance criteria).
8. Decrease the flow rate of the pump to achieve approximately 100ml/min. when collecting samples.
9. Change all tubing between wells and repeat procedure.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Site Address: **631 Queen Anne North** Event Date: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID VP-2 Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 14.94 ft.

Depth to Water 14.47 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.

— 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
- Discrete Bailer
- 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):
Sample Time/Date: /
Approx. Flow Rate: gpm.
Did well de-water? If yes, Time Volume: gal. DTW @ Sampling:

Weather Conditions:
Water Color: Odor: **Y / N**
Sediment Description:

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MO

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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID VP-4

Well Diameter 2 in.

Total Depth 13.93 ft.

Depth to Water 13.30 ft.

Date Monitored: 10/12/09

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

☐ Check if water column is less then 0.50 ft.

0.63 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
- Discrete Bailer
- 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: ___ gpm. Sediment Description: ___

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: INSUFFICIENT WATER TO SAMPLE, DPE-2 SAMPLED INSTEAD.

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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID MW-5 (VP-5) Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 16.38 ft.

Depth to Water 12.92 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.

— 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
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): 1605 Weather Conditions: Rain

Sample Time/Date: 1635 / 10-14-09 Water Color: Clear Odor: Y / N medium

Approx. Flow Rate: 200 ml/min. Sediment Description: None

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 13.11

Time (2400 hr.)	Volume (~~gal~~ mL)	pH	Conductivity (µmhos/cm - ~~µS~~)	Temperature (~~C~~ / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1615	2	6.64	521	15.86	0.59	79	13.01
1618	2.6	6.71	534	15.79	0.63	84	13.05
1621	3.2	6.72	531	15.79	0.64	86	13.11

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5 (VP-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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE SULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS:

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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: MK

Well ID MW-3 (VP-7) Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 12.42 ft.

Depth to Water 11.17 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.

____ 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
- Discrete Bailer
- 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: ____ gpm. Sediment Description: ____

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MK 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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: MC

Well ID MW-7 (VP-8) Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 17.95 ft.

Depth to Water 13.10 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.

— 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
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): 1440 Weather Conditions: Rain

Sample Time/Date: 1510 / 10-14-09 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 200 ml/gpm. Sediment Description: None

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 13.90

Time (2400 hr.)	Volume ~~(gal.)~~ L	pH	Conductivity (µmhos/cm) (µS)	Temperature (C) / F	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1455	3	7.26	349	15.48	0.98	69.2	13.79
1458	3.6	7.19	356	15.42	1.01	68.9	13.86
1501	4.2	7.20	355	15.40	1.02	68.8	13.90

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7 (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
	(x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	(x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	(x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID VP-9 Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 12.47 ft.

Depth to Water 9.71 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.

____ 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
- Discrete Bailer
- 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: ____ gpm. Sediment Description: ____

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MIO

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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: AL

Well ID MW-4 Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 17.36 ft.

Depth to Water 12.48 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.

X xVF X = X x3 case volume = Estimated Purge Volume:_____ gal.

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

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	
Discrete Bailer	
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): 1130 Weather Conditions: Rainy / wet

Sample Time/Date: 10/14/09/1200 Water Color: _____ Odor: Y / N

Approx. Flow Rate: 200mL gpm. Sediment Description: _____

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

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1142	2.1L ~~0.400~~	6.69	778	15.75	1.59	-55.9	13.28
1146	2.8L	6.66	769	15.78	1.27	-54.5	12.66
1148	3.2L	6.44	736	15.79	1.18	-49.1	12.66
1150	3.6L	6.41	715	15.82	1.23	-52.8	12.66

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: AL

Well ID MW-6 Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 28.08 ft.

Depth to Water 20.28 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.

____ 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
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): 0821 Weather Conditions: Overcast

Sample Time/Date: 0840 10/14/09 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 200 gpm. Sediment Description: ____

Did well de-water? No If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 20.35

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0827	3.2L	6.55	776	14.83	4.47	-124.3	20.36
0829	3.6L	6.55	771	14.76	2.65	-129.7	20.34
0831	~~3.9L~~ 4.0L	6.55	766	14.74	2.09	-130.7	20.34
0833	~~3.9L~~ 4.1L	6.55	763	14.72	1.64	-127.2	20.35

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS WELL
FIELD BLANK COLLECTED FROM THIS WELL (FB-1)
DUPLICATE SAMPLE COLLECTED FROM THIS WELL (DUP-1)

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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID MW-9

Well Diameter 2 in.

Total Depth 27.20 ft.

Depth to Water 20.67 ft.

Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

— 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
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): 1000 Weather Conditions: Rain

Sample Time/Date: 1030 / 10-14-09 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 200 ml gpm. Sediment Description: None

Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 21.02

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1015	3	6.51	985	16.64	1.01	116.1	20.92
1018	3.6	6.52	993	16.60	1.06	119.0	20.97
1021	4.2	6.60	991	16.59	1.07	117.0	21.02

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12 - 10/15/09 (inclusive)
City: Seattle, WA Sampler: ML, AL

Well ID MW-10 Date Monitored: 10-12-09
Well Diameter 2 in.
Total Depth 29.05 ft.
Depth to Water 12.23 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.

____ 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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 0807 Weather Conditions: Cloudy
Sample Time/Date: 0835 / 10-15-09 Water Color: Clear Odor: Y / N
Approx. Flow Rate: 200 ml/ gpm. Sediment Description: none
Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 13.00

Time (2400 hr.)	Volume (~~gal.~~) L	pH	Conductivity (µmhos/cm - ~~µS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0815	1.6	6.92	496	16.10	2.04	-32.3	12.85
0818	2.2	6.92	497	16.06	1.98	-35.0	12.91
0821	2.8	6.89	495	16.01	1.90	-34.2	13.00

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID MW-11 Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 17.11 ft.

Depth to Water 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.

— 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
- Discrete Bailer
- 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: gpm. Sediment Description:

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: OBSTRUCTED AT 12.20 feet.

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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID MW-12 Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 16.30 ft.

Depth to Water 11.99 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.

____ 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
- Discrete Bailer
- 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: ____ gpm. Sediment Description: ____

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITE/SULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: MC

Well ID MW-13

Well Diameter 2 in.

Total Depth 19.81 ft.

Depth to Water 18.43 ft.

Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

— 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
- Discrete Bailer
- 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: gpm. Sediment Description:

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS:

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: 10/12 - 10/15/09 (inclusive)
City: Seattle, WA Sampler: MM

Well ID MW-14
Well Diameter 2 in.
Total Depth 24.45 ft.
Depth to Water 12.21 ft.
12.24 xVF ___ = ___
Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: ___

Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

x3 case volume = Estimated Purge Volume: ___ gal.

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 ___
Discrete Bailer ___
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): 1000
Sample Time/Date: 1025 / 10-13-09
Approx. Flow Rate: 200 ml/gpm.
Did well de-water? NO If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: 12.19

Weather Conditions: Cloudy
Water Color: Clear Odor: Y / (N)
Sediment Description: None

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1008	1.6	7.85	990	16.44	0.46	-288.1	12.19
1011	2.2	7.89	983	16.48	0.51	-283.2	12.19
1014	2.8	7.83	985	16.46	0.41	-289.3	12.19
1017	3.4	7.80	986	16.36	0.12	-290.1	12.19

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
	x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010)
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: ___

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: 10/12 & 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: MK

Well ID MW-15 Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 24.10 ft.

Depth to Water 10.11 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.

— 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
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): 1450 Weather Conditions: Overcast

Sample Time/Date: 1520 / 10-13-09 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 200 ml/min. gpm. Sediment Description: none

Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 10.36

Time (2400 hr.)	Volume ~~(gal.)~~ L	pH	Conductivity (µmhos/cm - ~~µS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1505	3	5.74	311	15.26	0.92	185.9	10.24
1508	3.6	5.81	317	15.29	0.88	185.2	10.29
1511	4.2	5.80	315	15.30	0.89	185.2	10.30

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: MW, AV

Well ID MW-16

Well Diameter 2 in.

Total Depth 24.81 ft.

Depth to Water 12.65 ft.

Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

___ 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
Peristaltic Pump	X
QED Bladder Pump	
Other:	

Time Started: 1232 (2400 hrs)
Time Completed: ___ (2400 hrs)
Depth to Product: ___ ft
Depth to Water: 12.58 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): 1237 Weather Conditions: Rainy

Sample Time/Date: 1300 / 10-13-09 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 250 mL gpm. Sediment Description: NA

Did well de-water? No If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: 12.62

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1246	2.8	6.07	295	15.67	4.01	160.9	12.62
1248	3.2	6.08	295	15.74	3.92	161.6	12.62
1250	3.6	6.08	294	15.83	3.77	162.9	12.62

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12-10/15/09 (inclusive)

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

Well ID MW-17 Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 25.02 ft.

Depth to Water 10.43 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.

— 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
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 Weather Conditions: Rain

Sample Time/Date: 1145 / 10-13-09 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 200 ml/min. Sediment Description: None

Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 10.42

Time (2400 hr.)	Volume (gal.) L	pH	Conductivity (µmhos/cm - (µS))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1130	3	6.36	384	16.42	0.76	127.9	10.42
1133	3.6	6.37	395	16.60	0.59	122.8	10.42
1136	4.2	6.37	399	16.82	0.57	119.2	10.42

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS WELL
FIELD BLANK COLLECTED FROM THIS WELL (FB-2)
DUPLICATE SAMPLE COLLECTED FROM THIS WELL. (DUP-2)

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: 10/12-10/15/09 (inclusive)
City: **Seattle, WA** Sampler: ML

Well ID MW-18 Date Monitored: 10-12-09
Well Diameter 2 in.
Total Depth 24.22 ft.
Depth to Water 12.13 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.

— 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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 1330
Sample Time/Date: 1400 / 10-14-09
Approx. Flow Rate: 200 ml/ gpm.
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 12.24

Weather Conditions: Rain
Water Color: Clear Odor: Y / (N)
Sediment Description: None

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1345	3	7.07	602	15.51	0.76	64.3	12.21
1348	3.6	7.01	604	15.47	0.71	65.4	12.24
1351	4.2	7.03	605	15.45	0.71	65.3	12.24

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: MJ

Well ID MW-19 Date Monitored: 10-12-09

Well Diameter 2 in.

Total Depth 24.24 ft.

Depth to Water 11.83 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.

____ 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
- Discrete Bailer
- 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: ____ gpm. Sediment Description: ____

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MW

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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID MW-20 Date Monitored: 10-12-09

Well Diameter 1 in.

Total Depth 19.72 ft.

Depth to Water 8.13 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.

____ 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
- Discrete Bailer
- 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: ____ gpm. Sediment Description: ____

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MO

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: 10/12-10/15/09 (inclusive)
City: **Seattle, WA** Sampler: ML

Well ID MW-21 Date Monitored: 10-12-09
Well Diameter 1 in.
Total Depth 35.13 ft.
Depth to Water 25.95 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.

— 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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): ~~0750~~ 1006 Weather Conditions: Cloudy
Sample Time/Date: 1030 / 10-15-09 Water Color: Odor: Y / (N)
Approx. Flow Rate: 200 ml/ gpm. Sediment Description:
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 26.27

Time (2400 hr.)	Volume ~~(gal.)~~ L	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1015	3	6.75	505	15.91	1.92	69	26.15
1018	3.6	6.69	509	15.96	1.88	62	26.21
1021	4.2	6.67	511	15.95	1.87	62	26.27

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: MC

Well ID MW-23

Well Diameter 3/4 in.

Total Depth 13.02 ft.

Depth to Water 9.14 ft.

Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

— 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
- Discrete Bailer
- 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):
Sample Time/Date: /
Approx. Flow Rate: gpm.
Did well de-water? If yes, Time: Volume: gal.

Weather Conditions:
Water Color: Odor: Y / N
Sediment Description:
DTW @ Sampling:

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MW

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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID MW-24 Date Monitored: 10-12-09

Well Diameter 3/4 in.

Total Depth 12.51 ft.

Depth to Water 5.82 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.

____ 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
- Discrete Bailer
- 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: ____ gpm. Sediment Description: ____

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MW

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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML/AM

Well ID MW-25 Date Monitored: 10-12-09

Well Diameter 4 in.

Total Depth 22.85 ft.

Depth to Water 12.62 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.

10.23 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
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): 0900 Weather Conditions: Cloudy

Sample Time/Date: 0930 / 10-13-09 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 300 ml ~~gpm~~. Sediment Description: None

Did well de-water? NO If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: 12.81

Time (2400 hr.)	Volume ~~(gal.)~~ L	pH	Conductivity (µmhos/cm (µS))	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0912	3.6	8.11	601	16.31	0.35	-227.2	12.74
0915	4.5	8.05	594	16.35	0.30	-232.1	12.79
0918	5.3	7.99	590	16.26	0.28	-236.0	12.81

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
	x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (ERA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: ___

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: 10/12-10/15/09 (inclusive)
City: **Seattle, WA** Sampler: ML

Well ID MW-26
Well Diameter 4 in.
Total Depth 22.73 ft.
Depth to Water 11.41 ft.
Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

— 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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 1355
Sample Time/Date: 1425 / 10-13-09
Approx. Flow Rate: 200ml gpm.
Did well de-water? NO If yes, Time: — Volume: — gal. DTW @ Sampling: 11.40

Weather Conditions: Rain
Water Color: Clear Odor: Y / (N)
Sediment Description: none

Time (2400 hr.)	Volume ~~(gal.)~~ L	pH	Conductivity (µmhos/cm - (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1410	3	5.96	394	16.05	0.47	174.4	11.39
1413	3.6	5.97	395	16.10	0.42	174.0	11.39
1416	4.2	5.96	396	16.12	0.41	173.8	11.40

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-26	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: AL

Well ID MW-30 Date Monitored: 10/12/09

Well Diameter 2 in.

Total Depth 33.22 ft.

Depth to Water 24.77 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.

____ 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	Y
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
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): ~~1040~~ 1055 Weather Conditions: Overcast ~ 55°

Sample Time/Date: 1120 / 10-15-09 Water Color: Clear Odor: Y / (N)

Approx. Flow Rate: 200ml gpm. Sediment Description: None

Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 24.89

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1104	3.0	6.42	454	16.04	3.95	82.2	24.89
1106	3.4	6.41	~~547~~ 453	16.00	3.65	82.2	24.89
1108	3.8	6.41	450	16.00	4.22	84.6	24.89
1110	4.20	6.41	450	15.98	3.84	85.3	24.89

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-30	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

18 6 BTE w/HCL
6 Bian
6 Dup
6 San

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS WELL
FIELD BLANK COLLECTED FROM THIS WELL (FB-3)
DUPLICATE SAMPLE COLLECTED FROM THIS WELL (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: 10/12-10/15/09 (inclusive)
City: **Seattle, WA** Sampler: AL

Well ID MW-31 Date Monitored: 10-12-09
Well Diameter 2 in.
Total Depth 28.19 ft.
Depth to Water 19.99 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.

— 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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 1220 Weather Conditions: Sunny w clouds
Sample Time/Date: 1240 / 10-15-09 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 200mL gpm. Sediment Description: None
Did well de-water? No If yes, Time: — Volume: — gal. DTW @ Sampling: 20.19

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1226	1.2L	6.57	457	15.34	6.99	88.6	20.19
1228	1.6L	6.53	454	15.28	5.69	87.9	20.19
1230	2.0L	6.57	451	15.26	5.12	87.7	20.19
1232	2.4L	6.51	446	15.26	4.85	88.3	20.19

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-31	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS:

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: 10/12-10/15/09 (inclusive)
City: **Seattle, WA** Sampler: ML

Well ID MW-32 Date Monitored: 10-12-09
Well Diameter 2 in.
Total Depth 28.92 ft.
Depth to Water 12.21 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.

— 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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 1340 Weather Conditions: Cloudy
Sample Time/Date: 1410 / 10-15-09 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 200 mL/ gpm. Sediment Description: None
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 12.74

Time (2400 hr.)	Volume (gal / L)	pH	Conductivity (µmhos/cm - (S))	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1355	3	6.85	285	15.29	1.62	103	12.63
1358	3.6	6.89	287	15.23	1.57	107	12.70
1401	4.2	6.91	288	15.23	1.58	106	12.74

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS:

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: 10/12-10/15/09 (inclusive)
City: **Seattle, WA** Sampler: AL

Well ID MW-33 Date Monitored: 10-12-09
Well Diameter 2 in.
Total Depth 34.91 ft.
Depth to Water 28.63 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.

~ 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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 1328 Weather Conditions: Clear
Sample Time/Date: 1345 / 10/15/09 Water Color: Clear Odor: Y (N) Slight petroleum odor
Approx. Flow Rate: ~ gpm. Sediment Description:
Did well de-water? ~ If yes, Time: ~ Volume: ~ gal. DTW @ Sampling: ~

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1336	3.00	6.57	541	14.61	3.74	-83.9	29.02
1338	3.40	6.55	541	14.61	2.57	-89.0	29.08
1340	3.80	6.55	541	14.58	2.37	-90.6	29.10
1342	9.20	6.56	540	14.55	2.23	-94.8	29.16

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
	x 250ml amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS:

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: 10/12 - 10/15/09 (inclusive)
City: Seattle, WA Sampler: AL

Well ID MW-34 Date Monitored: 10-12-09
Well Diameter 2 in.
Total Depth 36.99 ft.
Depth to Water 27.10 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.

____ 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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 0930 Weather Conditions: Clear ~ 52°
Sample Time/Date: 1000 10/15/09 Water Color: Clear Odor: Y / N
Approx. Flow Rate: 200mL gpm. Sediment Description: NS
Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 27.20

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm) (µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0945	3.0	6.38	345	15.36	11.28	71.4	27.20
0947	3.40	6.35	344	15.45	12.06	74.1	27.21
0949	3.80	6.33	345	15.55	12.53	77.1	27.20
0951	4.20	6.32	345	15.54	11.99	79.1	27.20

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12 - 10/15/09 (inclusive)
City: **Seattle, WA** Sampler: ML

Well ID MW-35
Well Diameter 2 in.
Total Depth 37.22 ft.
Depth to Water 30.98 ft.

Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

___ 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
- Discrete Bailer
- 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): 1200 Weather Conditions: Cloudy
Sample Time/Date: 1245 / 10-15-09 Water Color: Cloudy Odor: Y / N medium
Approx. Flow Rate: 50 ml/ gpm. Sediment Description: light
Did well de-water? NO If yes, Time: ___ Volume: ___ gal. DTW @ Sampling: 31.06

Time (2400 hr.)	Volume (gal.) L	pH	Conductivity (µmhos/cm - µS)	Temperature (°C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1229	1.4	6.82	610	15.21	1.02	102	31.07
1232	1.6	6.80	615	15.18	0.97	111	~~31.05~~
1235	1.8	6.79	617	15.17	0.94	113	31.05

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS WELL UNABLE TO COLLECT ENOUGH WATER FOR SAMPLES USING PERISTALTIC PUMP BECAUSE OF DEEP WATER LEVEL. BAILER USED TO SAMPLE

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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID DPE-1 Date Monitored: 10-12-09

Well Diameter 4 in.

Total Depth 21.27 ft.

Depth to Water 12.05 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.

— 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
- Discrete Bailer
- 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: gpm. Sediment Description:

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: NAPL 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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: AL

Well ID RW-2 Date Monitored: 10-12-09

Well Diameter 8 in.

Total Depth 21.03 ft.

Depth to Water 14.75 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

X xVF X = X x3 case volume = Estimated Purge Volume: X 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
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): 1400 Weather Conditions: Rainy

Sample Time/Date: 1435 / 10-14-09 Water Color: _____ Odor: Y / (N)

Approx. Flow Rate: 200 mL gpm. Sediment Description: _____

Did well de-water? No If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 14.96

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature ((C) / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1414	2.8	6.31	567	13.99	5.32	-64.6	14.96
1416	3.2	6.28	567	13.99	4.09	-68.9	14.96
1418	3.6	6.29	567	14.16	3.49	-69.2	14.96
1420	4.0	6.26	566	14.19	3.00	-66.9	14.96

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: _____

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: 10/12 - 10/15/09 (inclusive)
City: Seattle, WA Sampler: ML

Well ID DPE-2 Date Monitored: 10-12-09
Well Diameter 4 in.
Total Depth 24.54 ft.
Depth to Water 12.77 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

— 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 X
QED Bladder Pump
Other:

Sampling Equipment:
Disposable Bailer
Pressure Bailer
Discrete Bailer
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): 1200 Weather Conditions: Rain
Sample Time/Date: 1235 / 10-14-09 Water Color: Clear Odor: Y / (N)
Approx. Flow Rate: 200 ml/min gpm. Sediment Description: None
Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 12.94

Time (2400 hr.)	Volume (gal.) L	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
1220	4	6.80	477	15.74	0.96	-126.2	12.89
1223	4.6	6.84	480	15.70	0.90	-129.8	12.92
1226	5.2	6.87	481	15.68	0.92	-129.6	12.94

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
DPE-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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS:

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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID DPE-3

Well Diameter 4 in.

Total Depth 18.31 ft.

Depth to Water 13.23 ft.

Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

____ 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
- Discrete Bailer
- 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: ____ gpm. Sediment Description: ____

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 10/12 - 10/15/09 (inclusive)
City: Seattle, WA Sampler: ML

Well ID DPE-4 Date Monitored: 10-12-09
Well Diameter 4 in.
Total Depth 19.94 ft.
Depth to Water 12.76 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.

____ 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
- Discrete Bailer
- 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: ____ gpm. Sediment Description: ____
Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: ____

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MW

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: 10/12-10/15/09 (inclusive)
City: Seattle, WA Sampler: AL

Well ID DPE-5
Well Diameter 4 in.
Total Depth 26.63 ft.
Depth to Water 18.60 ft.
Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

— 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	X
QED Bladder Pump	
Other:	

Sampling Equipment:

Disposable Bailer	
Pressure Bailer	
Discrete Bailer	
Peristaltic Pump	X
QED Bladder Pump	
Other:	

Time Started: (2400 hrs)
Time Completed: (2400 hrs)
Depth to Product: ft
Depth to Water: 18.46 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): 0938 Weather Conditions: Overcast
Sample Time/Date: 1000 / 10/14/09 Water Color: clear Odor: Y / (N)
Approx. Flow Rate: 200 gpm. Sediment Description:
Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 19.15

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0944	3.2L	6.54	729	14.02	2.48	-100.8	18.89
0946	3.6L	6.54	726	14.00	1.29	-100.2	19.10
0948	~~3.8~~ 4.0L	6.51	717	14.13	0.89	-99.8	19.15
0950	4.4L	6.51	715	14.07	0.77	-97.4	19.15

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS:

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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID DPE-6 Date Monitored: 10-12-09

Well Diameter 4 in.

Total Depth 32.81 ft.

Depth to Water 20.51 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.

____ 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 X
QED Bladder Pump ____
Other: ____

Sampling Equipment:

Disposable Bailer ____
Pressure Bailer ____
Discrete Bailer ____
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): 0835 Weather Conditions: Rain

Sample Time/Date: 1005 / 10-14-09 Water Color: clear Odor: Y / N medium

Approx. Flow Rate: 200 ml/ gpm. Sediment Description: none

Did well de-water? NO If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 20.52

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - Ø)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
0945	2	6.63	1213	16.46	2.17	-156.2	20.51
0948	2.4	6.59	1219	16.42	2.20	-159.0	20.52
0951	3.2	6.62	1224	16.40	2.19	-159.6	20.52

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: ____

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: 10/12 - 10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID DPE-7

Well Diameter 4 in.

Total Depth 25.82 ft.

Depth to Water 20.25 ft.

Date Monitored: 10-12-09

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

☐ Check if water column is less then 0.50 ft.

____ 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
- Discrete Bailer
- 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: ____ gpm. Sediment Description: ____

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: 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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: AL

Well ID DPE-8 Date Monitored: 10-12-09

Well Diameter 4 in.

Total Depth 23.39 ft.

Depth to Water 13.90 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.

Y xVF ____ = X x3 case volume = Estimated Purge Volume: X 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	X
QED Bladder Pump	____
Other:	____

Sampling Equipment:

Disposable Bailer	____
Pressure Bailer	____
Discrete Bailer	____
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): 1309 Weather Conditions: Rainy

Sample Time/Date: 1325 / 10-14-09 Water Color: Clear Odor: Y / N

Approx. Flow Rate: 200 mL gpm Sediment Description: ____

Did well de-water? No If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 14.31

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)	Gauge DTW as parameters are recorded
13:07	0.6	6.93	516	14.28	6.81	~~-134.9~~ -115.9	14.26
13:09	1.0	6.92	516	14.29	6.58	-119.4	14.28
13:11	1.4	6.91	516	14.26	4.74	-124.9	14.31
13:13	1.8	6.90	516	14.29	3.69	-123.7	14.31

APC 10-19

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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500 Fe B)
	1 x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	2 x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	1 x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	1 x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: MNA PARAMETERS COLLECTED FROM THIS 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: 10/12-10/15/09 (inclusive)

City: **Seattle, WA** Sampler: ML

Well ID DPE-9 Date Monitored: 10-12-09

Well Diameter 4 in.

Total Depth 16.70 ft.

Depth to Water 13.56 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.

— 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
- Discrete Bailer
- 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: gpm. Sediment Description:

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

Time (2400 hr.)	Volume (gal.)	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 amber	YES	HCL	LANCASTER	FERROUS IRON (SM 3500-Fe B)
	x 500ml poly	YES	NP	LANCASTER	ALKALINITY (2320B)
	x voa vial	YES	NP	LANCASTER	NITRATE/NITRITESULFATE (EPA 300.0)
	x 500ml poly	YES	HNO3	LANCASTER	TOTAL IRON/ MANGANESE (6010_
	x 500ml clear glass	YES	NaOH & ZnAc	LANCASTER	SULFIDE (SM20 4500 S2 D)

COMMENTS: NM/O Pump in well

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

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 112600 Sample #: 5805458-66 SCR#:

Group# 1166272

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC
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: Mike Lombard
Service Order #: ☐ Non SAR:

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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 ☒ 8260 ☐ 8021	Alkalinity (Total)	Oxygenates ____	TPH G ☒	TPH D ☒ (☐ Extended Rng. ☒ Silica Gel Cleanup)	Lead Total ☐ Diss. ☐ Method ____	VPH/EPH	NWTPH H HCID ☐ quantification	Ferrous Iron (SM 3500 Fe B)	MTBE/nitrite/sulfate (EPA 300.0)	Total Iron/Manganese (6010)	Sulfide (SM4500 S2-D)
QA	10-13		X			X		2	X			X								
MW-14		1025	X			X		8	X			X	X							
MW-15		1520	X			X		14	X	X		X	X				X	X	X	X
MW-16		1300	X			X		14	X	X		X	X				X	X	X	X
MW-17		1145	X			X		14	X	X		X	X				X	X	X	X
MW-25		0930	X			X		8	X			X	X							
MW-26		1425	X			X		14	X	X		X	X				X	X	X	X
FB-2			X			X		6	X			X								
DUP-2	↓		X			X		6	X			X								

Comments / Remarks

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

Data Package Options (please circle if required) **EDF/EDD**
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

	Relinquished by:	Date	Time	Received by:	Date	Time
1		10-13	1700			
2						
3						
4	Relinquished by Commercial Carrier: UPS (FedEx) Other			Received by:	10/14/05	850

Temperature Upon Receipt 4.4 C°
Custody Seals Intact? (Yes) No

Lancaster Laboratories

November 4, 2009

Ms. Cheryl Hansen
Gettler-Ryan, Inc.
6747 Sierra Court Suite J
Dublin, CA 94568

Dear Ms. Hansen:

I am writing in regards to the Chevron 211577: 631 Queen Anne North - Seattle, WA, Lancaster Laboratories Group No. 1166272 collected on October 14, 2009.

Toluene was detected in sample MW-14 at a level of 2 µg/L. We suspect that the vial may have been the source of your low-level toluene hit.

Recently we've noted sporadic detections of toluene in trip, field, and equipment blanks between 0.2 and 1.7 µg/L. An investigation is underway to determine the cause of these trace levels of toluene; however, it appears that some HCL preserved vials contained trace levels of toluene. We have notified the manufacturer of our suspicion. They are performing their own investigation to determine the source of the toluene.

As corrective action, we have switched to another manufacturer and have confirmed the vials are clean. All suspect vials have been removed from our inventory to prevent any further issues.

We apologize for any inconvenience that this caused. Please call me at 717-656-2300, Ext. 1241 if you have any further questions.

Sincerely,

Jill M. Parker

Jill Parker
Project Manager
Environmental Client Services

JP/mcs

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

Shipping Address:
Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17601

Lancaster Laboratories

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

Analysis Report

REVISED

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

November 06, 2009

Project: 211577

Samples arrived at the laboratory on Wednesday, October 14, 2009. The PO# for this group is 0015040041 and the release number is SKANCE. The group number for this submittal is 1166272.

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	5805458
MW-14 Grab Water Sample	5805459
MW-15 Grab Water Sample	5805460
MW-16 Grab Water Sample	5805461
MW-17 Grab Water Sample	5805462
MW-25 Grab Water Sample	5805463
MW-26 Grab Water Sample	5805464
FB-2 Grab Water Sample	5805465
DUP-2 Grab Water Sample	5805466

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: Cheryl Hansen

Lancaster Laboratories

Analysis Report

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

REVISED

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5805458
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

631QA

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 23:33	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 23:33	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09289A20A	10/16/2009 12:46	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09289A20A	10/16/2009 12:46	Tyler O Griffin	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-14 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805459
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 10:25 by ML

Account Number: 11260

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

63114

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	
06053	Benzene	71-43-2	13	0.5	1
06053	Ethylbenzene	100-41-4	8	0.5	1
06053	Toluene	108-88-3	2	0.5	1
06053	Xylene (Total)	1330-20-7	3	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 1 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	4,000	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	5,200	300	10
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	700	10

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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 23:58	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 23:58	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09289A20A	10/16/2009 13:51	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09289A20A	10/16/2009 13:51	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092880009A	10/20/2009 15:22	Diane V Do	10
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092880009A	10/15/2009 13:25	Cody R Hanna	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-15 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805460
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 15:20 by ML

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

63115

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	980	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	274	52.2	1
07058	Manganese	7439-96-5	330	0.84	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	99,800	3,000	10
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	84,800	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	37	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

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-15 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805460
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 15:20 by ML

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

63115

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/19/2009 00:24	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/19/2009 00:24	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09289A20A	10/16/2009 14:13	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09289A20A	10/16/2009 14:13	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092880009A	10/19/2009 16:10	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092880009A	10/15/2009 13:25	Cody R Hanna	1
01754	Iron	SW-846 6010B	1	092881848002	10/19/2009 07:39	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	092881848002	10/16/2009 20:50	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092881848002	10/16/2009 13:44	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	09287196601A	10/14/2009 17:43	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09287196601A	10/14/2009 17:43	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09287196601A	10/17/2009 18:14	Ashley M Adams	10
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09288020201A	10/15/2009 15:56	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09288020201A	10/15/2009 15:56	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09287834401A	10/14/2009 21:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-16 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805461
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 13:00 by ML

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

63116

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	78.4	52.2	1
07058	Manganese	7439-96-5	172	0.84	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	14,900	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	24,700	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	67,300	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	17	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

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-16 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805461
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 13:00 by ML

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

63116

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/19/2009 00:50	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/19/2009 00:50	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09289A20A	10/16/2009 14:34	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09289A20A	10/16/2009 14:34	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092880009A	10/19/2009 16:30	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092880009A	10/15/2009 13:25	Cody R Hanna	1
01754	Iron	SW-846 6010B	1	092881848003	10/17/2009 04:16	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	092881848003	10/17/2009 04:16	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092881848003	10/16/2009 13:51	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	09287196601A	10/14/2009 18:31	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09287196601A	10/14/2009 18:31	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09287196601A	10/14/2009 18:31	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09288020201A	10/15/2009 15:56	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09288020201A	10/15/2009 15:56	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09287834401A	10/14/2009 21:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-17 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805462
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 11:45 by ML

Account Number: 11260

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

63117

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	
06053	Benzene	71-43-2	3	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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.	81	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	290	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	273	52.2	1
07058	Manganese	7439-96-5	2,890	0.84	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	2,900	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	28,000	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	218,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	180	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

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-17 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805462
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 11:45 by ML

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

63117

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/19/2009 01:15	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/19/2009 01:15	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09289A20A	10/16/2009 14:56	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09289A20A	10/16/2009 14:56	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092880009A	10/19/2009 17:11	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092880009A	10/15/2009 13:25	Cody R Hanna	1
01754	Iron	SW-846 6010B	1	092881848003	10/17/2009 04:19	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	092881848003	10/17/2009 04:19	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092881848003	10/16/2009 13:51	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	09287196601A	10/14/2009 19:19	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09287196601A	10/14/2009 19:19	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09287196601A	10/14/2009 19:19	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09288020201A	10/15/2009 15:56	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09288020201A	10/15/2009 15:56	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09287834401A	10/14/2009 21:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-25 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805463
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 09:30 by ML

Account Number: 11260

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

63125

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	3	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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.	570	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	440	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/19/2009 01:41	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/19/2009 01:41	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09289A20A	10/16/2009 15:18	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09289A20A	10/16/2009 15:18	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092880009A	10/19/2009 17:32	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092880009A	10/15/2009 13:25	Cody R Hanna	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-26 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805464
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 14:25 by ML

Account Number: 11260

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

63126

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	1,200	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	69	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	N.D.	52.2	1
07058	Manganese	7439-96-5	1,040	0.84	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	10,300	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	60,800	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	88,400	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	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

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-26 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805464
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 14:25 by ML

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

63126

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/19/2009 02:58	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/19/2009 02:58	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09289A20A	10/16/2009 15:40	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09289A20A	10/16/2009 15:40	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092880009A	10/19/2009 13:26	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092880009A	10/15/2009 13:25	Cody R Hanna	1
01754	Iron	SW-846 6010B	1	092881848003	10/17/2009 04:22	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	092881848003	10/17/2009 04:22	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092881848003	10/16/2009 13:51	James L Mertz	1
00368	Nitrate Nitrogen	EPA 300.0	1	09287196601A	10/14/2009 19:35	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09287196601A	10/14/2009 19:35	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09287196601A	10/14/2009 19:35	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09288020201A	10/15/2009 15:56	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09288020201A	10/15/2009 15:56	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09287834401A	10/14/2009 21:25	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: FB-2 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805465
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 by ML

Account Number: 11260

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

631FB

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	1	0.5	1
06053	Xylene (Total)	1330-20-7	N.D.	0.5	1
	The result reported for toluene in this field blank may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer.				
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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/19/2009 03:24	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/19/2009 03:24	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09289A20A	10/16/2009 13:08	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09289A20A	10/16/2009 13:08	Tyler O Griffin	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: DUP-2 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5805466
LLI Group # 1166272
WA

Project Name: 211577

Collected: 10/13/2009 by ML

Submitted: 10/14/2009 08:50
Reported: 11/06/2009 at 08:35
Discard: 12/07/2009

631FD

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	3	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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.	89	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/19/2009 03:50	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/19/2009 03:50	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09289A20A	10/16/2009 16:01	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09289A20A	10/16/2009 16:01	Tyler O Griffin	1

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 11/06/09 at 08:35 AM

Group Number: 1166272

Matrix QC may not be reported if 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.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Z092912AA	Sample number(s): 5805458-5805466							
Benzene	N.D.	0.5	ug/l	89		79-120		
Ethylbenzene	N.D.	0.5	ug/l	93		79-120		
Toluene	N.D.	0.5	ug/l	94		79-120		
Xylene (Total)	N.D.	0.5	ug/l	96		80-120		
Batch number: 09289A20A	Sample number(s): 5805458-5805466							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	100	91	75-135	10	30
Batch number: 092880009A	Sample number(s): 5805459-5805464							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	89		50-100		
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 092881848002	Sample number(s): 5805460							
Iron	N.D.	52.2	ug/l	99		90-112		
Manganese	N.D.	0.84	ug/l	102		90-110		
Batch number: 092881848003	Sample number(s): 5805461-5805462,5805464							
Iron	N.D.	52.2	ug/l	106		90-112		
Manganese	N.D.	0.84	ug/l	103		90-110		
Batch number: 09287196601A	Sample number(s): 5805460-5805462,5805464							
Nitrate Nitrogen	N.D.	50.	ug/l	104		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	106		90-110		
Sulfate	N.D.	300.	ug/l	101		89-110		
Batch number: 09287834401A	Sample number(s): 5805460-5805462,5805464							
Ferrous Iron	N.D.	10.	ug/l	100		92-105		
Batch number: 09288020201A	Sample number(s): 5805460-5805462,5805464							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	100		98-103		
Batch number: 09292023001A	Sample number(s): 5805460-5805462,5805464							
Sulfide	N.D.	54.	ug/l	100		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

*- 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
Reported: 11/06/09 at 08:35 AM

Group Number: 1166272

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: Z092912AA	Sample number(s): 5805458-5805466 UNSPK: P806468								
Benzene	96	95	80-126	1	30				
Ethylbenzene	99	97	71-134	2	30				
Toluene	99	97	80-125	2	30				
Xylene (Total)	100	98	79-125	2	30				
Batch number: 09289A20A	Sample number(s): 5805458-5805466 UNSPK: 5805459								
NWTPH-Gx water C7-C12	55*		57-157						
Batch number: 092880009A	Sample number(s): 5805459-5805464 BKG: P805599								
DRO C12-C24 w/Si Gel						420	500	17 (1)	20
HRO C24-C40 w/Si Gel						N.D.	N.D.	0 (1)	20
Batch number: 092881848002	Sample number(s): 5805460 UNSPK: P804212 BKG: P804212								
Iron	84 (2)	83 (2)	75-125	0	20	5,410	5,400	0	20
Manganese	92	89	75-125	1	20	1,780	1,780	0	20
Batch number: 092881848003	Sample number(s): 5805461-5805462,5805464 UNSPK: P803973 BKG: P803973								
Iron	108	108	75-125	0	20	N.D.	N.D.	0 (1)	20
Manganese	103	103	75-125	0	20	3.2	3.1	2 (1)	20
Batch number: 09287196601A	Sample number(s): 5805460-5805462,5805464 UNSPK: 5805460 BKG: 5805460								
Nitrate Nitrogen	103		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	99		90-110			N.D.	N.D.	0 (1)	20
Sulfate	113*		90-110			99,800	99,400	0	20
Batch number: 09287834401A	Sample number(s): 5805460-5805462,5805464 UNSPK: P805842 BKG: P805842								
Ferrous Iron	96	94	66-130	2	6	55,500	52,900	5	10
Batch number: 09288020201A	Sample number(s): 5805460-5805462,5805464 UNSPK: P805982 BKG: P805982								
Alkalinity to pH 4.5	99	100	64-130	0	2	48,000	47,700	1	4
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Batch number: 09292023001A	Sample number(s): 5805460-5805462,5805464 UNSPK: 5805460 BKG: 5805460								
Sulfide	97	97	69-133	1	18	N.D.	N.D.	0 (1)	7

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: BTEX by 8260B
Batch number: Z092912AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5805458	84	82	88	82
5805459	84	82	87	84
5805460	84	82	89	82
5805461	85	83	88	81
5805462	84	82	87	82

*- 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
Reported: 11/06/09 at 08:35 AM

Group Number: 1166272

Surrogate Quality Control

5805463	84	82	88	84
5805464	84	82	88	82
5805465	84	83	87	81
5805466	85	83	88	82
Blank	84	82	89	83
LCS	83	83	88	85
MS	84	83	88	85
MSD	84	84	88	84
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 09289A20A

	Trifluorotoluene-F
5805458	83
5805459	94
5805460	83
5805461	83
5805462	89
5805463	103
5805464	84
5805465	78
5805466	88
Blank	81
LCS	112
LCSD	102
MS	100
Limits:	63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 092880009A

	Orthoterphenyl
5805459	112
5805460	131
5805461	108
5805462	125
5805463	122
5805464	136
Blank	111
DUP	105
LCS	124
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.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

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

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA 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 quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
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 amount 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 for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11260 Sample #: 5806463-75 SCR#:

Group# 1166473

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC
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: Mike Lombard
Service Order #: ☐ Non SAR:

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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	Oil ☐ Air ☐	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + Naphth ☐ 8260 ☐ 8021 ☐	Oxygenates	TPH G	TPH D ☐ Extended Rng. ☐ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method ____	VPH/EPH	NWTPH HCID ☐ quantification	FERROUS IRON (SM 3500 Fe B)	Nitrate/Nitrite/Sulfate/EPA 300.0	Total Iron/Manganese (6010)	SULFIDE (EPA 376.2 SM 4500 S2-D)
QA	10-14		X			X		2	X		X								
VP-8		1510	X			X		14	X	X	X	X				X	X	X	X
RW-2		1435	X			X		8	X		X	X							
MW-4		1200	X			X		14	X	X	X	X				X	X	X	X
MW-6		0840	X			X		14	X	X	X	X				X	X	X	X
MW-9		1030	X			X		14	X	X	X	X				X	X	X	X
MW-18		1400	X			X		14	X	X	X	X				X	X	X	X
DPE-2		1235	X			X		8	X		X	X							
DPE-5		1000	X			X		8	X		X	X							
DPE-6		0905	X			X		8	X		X	X							
DPE-8		1325	X			X		14	X	X	X	X				X	X	X	X
FB-1			X			X		6	X		X								
DUP-1			X			X		6	X		X								

Comments / Remarks

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

Data Package Options (please circle if required)
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk ____ Other.

EDF/EDD

Relinquished by:	Date	Time	Received by:	Date	Time
	10-14	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
Temperature Upon Receipt 0.3-2.5 C°			Custody Seals Intact? Yes No	10/15/01	915

Lancaster Laboratories

November 4, 2009

Ms. Cheryl Hansen
Gettler-Ryan, Inc.
6747 Sierra Court Suite J
Dublin, CA 94568

Dear Ms. Hansen:

I am writing in regards to the Chevron 211577: 631 Queen Anne North - Seattle, WA, Lancaster Laboratories Group No. 1166473 collected on October 14, 2009.

Toluene was detected in samples MW-4 and DPE-5 at a level of 2 µg/L, MW-6 and DPE-8 at a level of 1 µg/L, and DUP-1 at a level of 0.9 µg/L. We suspect that the vials may have been the source of your low-level toluene hits.

Recently we've noted sporadic detections of toluene in trip, field, and equipment blanks between 0.2 and 1.7 µg/L. An investigation is underway to determine the cause of these trace levels of toluene; however, it appears that some HCL preserved vials contained trace levels of toluene. We have notified the manufacturer of our suspicion. They are performing their own investigation to determine the source of the toluene.

As corrective action, we have switched to another manufacturer and have confirmed the vials are clean. All suspect vials have been removed from our inventory to prevent any further issues.

We apologize for any inconvenience that this caused. Please call me at 717-656-2300, Ext. 1241 if you have any further questions.

Sincerely,

Jill M. Parker

Jill Parker
Project Manager
Environmental Client Services

JP/mcs

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

Analysis Report

REVISED

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

November 06, 2009

Project: 211577

Samples arrived at the laboratory on Thursday, October 15, 2009. The PO# for this group is 0015040041 and the release number is SKANCE. The group number for this submittal is 1166473.

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	5806463
VP-8 Grab Water Sample	5806464
RW-2 Grab Water Sample	5806465
MW-4 Grab Water Sample	5806466
MW-6 Grab Water Sample	5806467
MW-9 Grab Water Sample	5806468
MW-18 Grab Water Sample	5806469
DPE-2 Grab Water Sample	5806470
DPE-5 Grab Water Sample	5806471
DPE-6 Grab Water Sample	5806472
DPE-8 Grab Water Sample	5806473
FB-1 Grab Water Sample	5806474
DUP-1 Grab Water Sample	5806475

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: Cheryl Hansen

Lancaster Laboratories

Analysis Report

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

REVISED

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5806463
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631-Q

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092911AA	10/19/2009 04:04	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092911AA	10/19/2009 04:04	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 01:53	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 01:53	Tyler O Griffin	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: VP-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5806464
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 15:10 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631V8

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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.	200	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	89	30	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	70	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	1,220	52.2	1
07058	Manganese	7439-96-5	187	0.84	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	2,300	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	29,200	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	112,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	2,800	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

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: VP-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5806464
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 15:10 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631V8

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092911AA	10/19/2009 04:30	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092911AA	10/19/2009 04:30	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 02:36	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 02:36	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/22/2009 08:31	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1
01754	Iron	SW-846 6010B	1	092891848003	10/21/2009 21:42	John P Hook	1
07058	Manganese	SW-846 6010B	1	092891848003	10/21/2009 21:42	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092891848003	10/19/2009 09:55	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 15:50	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 15:50	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09288196603B	10/15/2009 15:50	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09288834401A	10/15/2009 22:55	Daniel S Smith	10
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: RW-2 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5806465
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 14:35 by ML

Account Number: 11260

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

631R2

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**	
06053	Benzene	71-43-2	35	0.5	1
06053	Ethylbenzene	100-41-4	7	0.5	1
06053	Toluene	108-88-3	4	0.5	1
06053	Xylene (Total)	1330-20-7	11	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	1,100	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	4,300	290	10
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	680	10

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
06053	BTEX by 8260B	SW-846 8260B	1	Z092911AA	10/19/2009 04:55	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092911AA	10/19/2009 04:55	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 04:47	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 04:47	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/22/2009 23:11	Diane V Do	10
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5806466
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 12:00 by ML

Account Number: 11260

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

631M4

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	
06053	Benzene	71-43-2	25	0.5	1
06053	Ethylbenzene	100-41-4	3	0.5	1
06053	Toluene	108-88-3	2	0.5	1
06053	Xylene (Total)	1330-20-7	8	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 0.9 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	3,100	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	11,000	310	10
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	720	10
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	643	52.2	1
07058	Manganese	7439-96-5	6,300	0.84	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	99,200	3,000	10
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	267,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	690	10	1
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	230	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.

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5806466
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 12:00 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631M4

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	D092921AA	10/19/2009 11:16	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D092921AA	10/19/2009 11:16	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 02:58	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 02:58	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/22/2009 23:52	Diane V Do	10
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1
01754	Iron	SW-846 6010B	1	092891848003	10/21/2009 21:47	John P Hook	1
07058	Manganese	SW-846 6010B	1	092891848003	10/21/2009 21:47	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092891848003	10/19/2009 09:55	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 16:06	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 16:06	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09288196603B	10/18/2009 02:13	Ashley M Adams	10
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09288834401A	10/15/2009 22:55	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5806467
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 08:40 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631M6

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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**	
06053	Benzene	71-43-2	16	0.5	1
06053	Ethylbenzene	100-41-4	0.5	0.5	1
06053	Toluene	108-88-3	1	0.5	1
06053	Xylene (Total)	1330-20-7	2	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 0.9 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	1,200	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	5,100	280	10
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	660	10
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	4,060	52.2	1
07058	Manganese	7439-96-5	5,560	0.84	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	72,900	3,000	10
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	397,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	4,800	200	20
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	230	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.

Lancaster Laboratories

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

Analysis Report

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

LLI Sample # WW 5806467
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 08:40 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631M6

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 20:09	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 20:09	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 05:08	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 05:08	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/22/2009 23:32	Diane V Do	10
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1
01754	Iron	SW-846 6010B	1	092891848003	10/21/2009 21:51	John P Hook	1
07058	Manganese	SW-846 6010B	1	092891848003	10/21/2009 21:51	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092891848003	10/19/2009 09:55	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 16:22	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 16:22	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09288196603B	10/18/2009 02:29	Ashley M Adams	10
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09288834401A	10/15/2009 22:55	Daniel S Smith	20
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5806468
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 10:30 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631M9

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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**	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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.	83	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	960	28	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	25,300	52.2	1
07058	Manganese	7439-96-5	20,700	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	116,000	3,000	10
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	384,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	25,000	1,000	100
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	130	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

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

Analysis Report

REVISED

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

LLI Sample # WW 5806468
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 10:30 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631M9

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 18:53	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 18:53	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 03:20	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 03:20	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/22/2009 08:52	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1
01754	Iron	SW-846 6010B	1	092891848003	10/21/2009 21:56	John P Hook	1
07058	Manganese	SW-846 6010B	1	092891848003	10/22/2009 12:11	Eric L Eby	5
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092891848003	10/19/2009 09:55	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 16:38	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 16:38	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09288196603B	10/18/2009 02:45	Ashley M Adams	10
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09288834401A	10/15/2009 22:55	Daniel S Smith	100
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5806469
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 14:00 by ML

Account Number: 11260

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

63118

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	
06053	Benzene	71-43-2	8	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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.	310	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	590	28	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	66	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	2,670	52.2	1
07058	Manganese	7439-96-5	3,820	0.84	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	41,900	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	247,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	2,900	100	10
	SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide	18496-25-8	66	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

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5806469
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 14:00 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

63118

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 20:35	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 20:35	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 05:30	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 05:30	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/22/2009 09:12	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1
01754	Iron	SW-846 6010B	1	092891848003	10/21/2009 22:00	John P Hook	1
07058	Manganese	SW-846 6010B	1	092891848003	10/21/2009 22:00	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092891848003	10/19/2009 09:55	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 16:54	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 16:54	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09288196603B	10/15/2009 16:54	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09288834401A	10/15/2009 22:55	Daniel S Smith	10
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: DPE-2 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5806470
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 12:35 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631D2

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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**	
06053	Benzene	71-43-2	0.8	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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.	330	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	230	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 21:01	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 21:01	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 05:52	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 05:52	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/22/2009 09:33	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5806471
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 10:00 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631D5

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	22	0.5	1
06053	Ethylbenzene	100-41-4	19	0.5	1
06053	Toluene	108-88-3	2	0.5	1
06053	Xylene (Total)	1330-20-7	10	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 0.9 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	490	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	25,000	600	10
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	1,400	10
	Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.				

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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 21:26	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 21:26	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 06:14	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 06:14	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/23/2009 00:33	Diane V Do	10
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5806472
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 09:05 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631D6

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	18	0.5	1
06053	Ethylbenzene	100-41-4	8	0.5	1
06053	Toluene	108-88-3	3	0.5	1
06053	Xylene (Total)	1330-20-7	9	0.5	1
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	490	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	3,600	290	10
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	680	10

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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 21:51	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 21:51	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 06:35	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 06:35	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/22/2009 22:51	Diane V Do	10
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: DPE-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5806473
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 13:25 by ML

Account Number: 11260

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

631D8

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**	
06053	Benzene	71-43-2	6	0.5	1
06053	Ethylbenzene	100-41-4	0.6	0.5	1
06053	Toluene	108-88-3	1	0.5	1
06053	Xylene (Total)	1330-20-7	3	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 0.9 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		**ug/l**	**ug/l**	
08273	NWTPH-Gx water C7-C12	n.a.	940	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		**ug/l**	**ug/l**	
02211	DRO C12-C24 w/Si Gel	n.a.	3,900	290	10
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	680	10
Metals	**SW-846 6010B**		**ug/l**	**ug/l**	
01754	Iron	7439-89-6	13,600	52.2	1
07058	Manganese	7439-96-5	3,830	0.84	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	46,800	1,500	5
	SM20 2320 B		**ug/l as CaCO3**	**ug/l as CaCO3**	
00202	Alkalinity to pH 4.5	n.a.	188,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		**ug/l**	**ug/l**	
08344	Ferrous Iron	n.a.	15,100	1,000	100
	SM20 4500 S2 D		**ug/l**	**ug/l**	
00230	Sulfide	18496-25-8	610	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.

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: DPE-8 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5806473
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 13:25 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631D8

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 22:17	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 22:17	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 03:41	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 03:41	Tyler O Griffin	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930024A	10/23/2009 00:13	Diane V Do	10
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930024A	10/21/2009 10:20	Olivia I Santiago	1
01754	Iron	SW-846 6010B	1	092891848003	10/21/2009 22:04	John P Hook	1
07058	Manganese	SW-846 6010B	1	092891848003	10/21/2009 22:04	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092891848003	10/19/2009 09:55	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 17:10	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09288196603B	10/15/2009 17:10	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09288196603B	10/15/2009 17:10	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09289020201A	10/16/2009 17:27	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09288834401A	10/15/2009 22:55	Daniel S Smith	100
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: FB-1 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5806474
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631-F

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	0.9	0.5	1
06053	Xylene (Total)	1330-20-7	N.D.	0.5	1
	The result reported for toluene in this field blank may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer.				
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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 22:42	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 22:42	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 06:57	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 06:57	Tyler O Griffin	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: DUP-1 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5806475
LLI Group # 1166473
WA

Project Name: 211577

Collected: 10/14/2009 by ML

Submitted: 10/15/2009 09:15
Reported: 11/06/2009 at 07:52
Discard: 12/07/2009

631-D

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	16	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	0.9	0.5	1
06053	Xylene (Total)	1330-20-7	1	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 0.9 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	1,200	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092912AA	10/18/2009 23:07	Florida A Cimino	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092912AA	10/18/2009 23:07	Florida A Cimino	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09293C20A	10/21/2009 04:03	Tyler O Griffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	09293C20A	10/21/2009 04:03	Tyler O Griffin	1

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 11/06/09 at 07:52 AM

Group Number: 1166473

Matrix QC may not be reported if 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.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D092921AA	Sample number(s): 5806466							
Benzene	N.D.	0.5	ug/l	96		79-120		
Ethylbenzene	N.D.	0.5	ug/l	90		79-120		
Toluene	N.D.	0.5	ug/l	92		79-120		
Xylene (Total)	N.D.	0.5	ug/l	89		80-120		
Batch number: Z092911AA	Sample number(s): 5806463-5806465							
Benzene	N.D.	0.5	ug/l	100		79-120		
Ethylbenzene	N.D.	0.5	ug/l	100		79-120		
Toluene	N.D.	0.5	ug/l	101		79-120		
Xylene (Total)	N.D.	0.5	ug/l	103		80-120		
Batch number: Z092912AA	Sample number(s): 5806467-5806475							
Benzene	N.D.	0.5	ug/l	89		79-120		
Ethylbenzene	N.D.	0.5	ug/l	93		79-120		
Toluene	N.D.	0.5	ug/l	94		79-120		
Xylene (Total)	N.D.	0.5	ug/l	96		80-120		
Batch number: 09293C20A	Sample number(s): 5806463-5806475							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	100	100	75-135	0	30
Batch number: 092930024A	Sample number(s): 5806464-5806473							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	93		50-100		
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 092891848003	Sample number(s): 5806464,5806466-5806469,5806473							
Iron	N.D.	52.2	ug/l	101		90-112		
Manganese	N.D.	0.84	ug/l	101		90-110		
Batch number: 09288196603B	Sample number(s): 5806464,5806466-5806469,5806473							
Nitrate Nitrogen	N.D.	50.	ug/l	105		90-110		
Nitrite Nitrogen	N.D.	80.	ug/l	106		90-110		
Sulfate	N.D.	300.	ug/l	102		89-110		
Batch number: 09288834401A	Sample number(s): 5806464,5806466-5806469,5806473							
Ferrous Iron	N.D.	10.	ug/l	98		92-105		
Batch number: 09289020201A	Sample number(s): 5806464,5806466-5806469,5806473							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	100		98-103		
Batch number: 09292023001A	Sample number(s): 5806464,5806466-5806469,5806473							
Sulfide	N.D.	54.	ug/l	100		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
Reported: 11/06/09 at 07:52 AM

Group Number: 1166473

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: D092921AA	Sample number(s): 5806466 UNSPK: P806794								
Benzene	96	101	80-126	4	30				
Ethylbenzene	92	95	71-134	3	30				
Toluene	94	97	80-125	3	30				
Xylene (Total)	89	93	79-125	4	30				
Batch number: Z092911AA	Sample number(s): 5806463-5806465 UNSPK: P805645								
Benzene	105	107	80-126	2	30				
Ethylbenzene	105	107	71-134	1	30				
Toluene	105	107	80-125	2	30				
Xylene (Total)	106	109	79-125	3	30				
Batch number: Z092912AA	Sample number(s): 5806467-5806475 UNSPK: 5806468								
Benzene	96	95	80-126	1	30				
Ethylbenzene	99	97	71-134	2	30				
Toluene	99	97	80-125	2	30				
Xylene (Total)	100	98	79-125	2	30				
Batch number: 09293C20A	Sample number(s): 5806463-5806475 UNSPK: 5806473								
NWTPH-Gx water C7-C12	87		57-157						
Batch number: 092930024A	Sample number(s): 5806464-5806473 BKG: 5806471								
DRO C12-C24 w/Si Gel						25,000	27,000	8	20
HRO C24-C40 w/Si Gel						N.D.	N.D.	0 (1)	20
Batch number: 092891848003	Sample number(s): 5806464,5806466-5806469,5806473 UNSPK: P806507 BKG: P806507								
Iron	100	102	75-125	2	20	251	256	2 (1)	20
Manganese	100	102	75-125	2	20	124	126	2	20
Batch number: 09288196603B	Sample number(s): 5806464,5806466-5806469,5806473 UNSPK: P806438 BKG: P806438								
Nitrate Nitrogen	107		90-110			3,200	3,300	0	20
Nitrite Nitrogen	103		90-110			N.D.	N.D.	0 (1)	20
Sulfate	113*		90-110			17,000	16,800	1 (1)	20
Batch number: 09288834401A	Sample number(s): 5806464,5806466-5806469,5806473 UNSPK: P806753 BKG: P806753								
Ferrous Iron	94	99	66-130	3	6	5,800	5,800	0 (1)	10
Batch number: 09289020201A	Sample number(s): 5806464,5806466-5806469,5806473 UNSPK: P805801 BKG: P805801								
Alkalinity to pH 4.5	100	100	64-130	0	2	58,100	58,800	1	4
Alkalinity to pH 8.3						N.D.	N.D.	0 (1)	4
Batch number: 09292023001A	Sample number(s): 5806464,5806466-5806469,5806473 UNSPK: P805460 BKG: P805460								
Sulfide	97	97	69-133	1	18	N.D.	N.D.	0 (1)	7

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.

*- 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.

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 11/06/09 at 07:52 AM

Group Number: 1166473

Surrogate Quality Control

Analysis Name: BTEX by 8260B
Batch number: D092921AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5806466	107	105	96	111
Blank	107	101	97	105
LCS	107	104	97	111
MS	107	104	96	111
MSD	105	104	96	110
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX by 8260B
Batch number: Z092911AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5806463	87	83	87	82
5806464	87	83	87	81
5806465	87	81	88	83
Blank	87	83	88	83
LCS	88	84	88	86
MS	87	82	88	87
MSD	87	83	88	86
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX by 8260B
Batch number: Z092912AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5806467	84	81	88	86
5806468	84	82	88	83
5806469	83	81	89	84
5806470	85	83	88	82
5806471	83	82	88	83
5806472	84	82	88	83
5806473	84	82	88	85
5806474	84	82	88	82
5806475	85	82	87	84
Blank	84	82	89	83
LCS	83	83	88	85
MS	84	83	88	85
MSD	84	84	88	84
Limits:	80-116	77-113	80-113	78-113

Analysis Name: NWTPH-Gx water C7-C12
Batch number: 09293C20A

	Trifluorotoluene-F
5806463	78
5806464	78
5806465	100
5806466	102
5806467	83
5806468	82
5806469	94
5806470	80

*- 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.

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 11/06/09 at 07:52 AM

Group Number: 1166473

Surrogate Quality Control

5806471	83
5806472	92
5806473	86
5806474	76
5806475	87
Blank	82
LCS	108
LCSD	108
MS	109
Limits:	63-135

Analysis Name: NWTPH-Dx water w/Si Gel
Batch number: 092930024A

	Orthoterphenyl
5806464	105
5806465	114
5806466	116
5806467	101
5806468	114
5806469	120
5806470	113
5806471	149
5806472	103
5806473	114
Blank	111
DUP	152*
LCS	128
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.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

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

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA 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 quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
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 amount 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 for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

Chevron Northwest Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

For Lancaster Laboratories use only
Acct. #: 11260 Sample #: 5801593-604 SCR#: 1166648

Facility #: SS#211577-OML G-R#386765
Site Address: 631 Queen Anne North, SEATTLE, WA
Chevron PM: OS Lead Consultant: SAICPC
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: Mike Lambard
Service Order #: ☐ Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water (☐ Potable ☐ NPDES)	Oil ☐ Air ☐	Total Number of Containers	Analyses Requested / Preservation Codes: BTEX + 8021 ☐ 8260 ☐ Naphth	Oxygenates	MTBE GRO	TPH D ☒ Extended Rng. ☒ Silica Gel Cleanup	Lead Total ☐ Diss. ☐ Method	VPH/EPH	NWTPH H HCID ☐ quantification	Ferrous Iron (SM 3500 Fe B)	Nitrate/Nitrite/Sulfide (300.0)	Total Iron/Manganese (6010)	Sulfate (SW846 9056)
QA	10-15		X			X		2	X		X								
VP-5	10-14	1635	X			X		8	X		X	X							
MW-10	10-15	0835	X			X		14	X	X	X	X				X	X	X	X
MW-21	10-15*	1030	X			X		14	X	X	X	X				X	X	X	X
MW-30		1120	X			X		14	X	X	X	X				X	X	X	X
MW-31		1240	X			X		8	X		X	X							
MW-32		1410	X			X		8	X		X	X							
MW-33		1345	X			X		8	X		X	X							
MW-34		1000	X			X		14	X	X	X	X				X	X	X	X
MW-35		1245	X			X		14	X	X	X	X				X	X	X	X
FB-3			X			X		6	X		X								
DUP-3			X			X		6	X		X								

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

☐ 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
*date is 10/15 per Mike Chalender. gmp 10/19/09

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

Data Package Options (please circle if required) **EDF/EDD**
QC Summary Type I - Full
Type VI (Raw Data) Disk / EDD
WIP (RWQCB) Standard Format
Disk _____ Other.

Relinquished by:	Date	Time	Received by:	Date	Time
	10-15	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: Mary Bethke	10/16/09	0900

Temperature Upon Receipt 1.0, 1.5, 1.6 C° 1.8, 2.2
Custody Seals Intact? Yes No

Lancaster Laboratories

November 10, 2009

RECEIVED
NOV 19 2009
GETTLER-RYAN INC.
GENERAL CONTRACTORS

Ms. Cheryl Hansen
Gettler-Ryan, Inc.
6747 Sierra Court Suite J
Dublin, CA 94568

Dear Ms. Hansen:

I am writing in regards to the Chevron 211577: 631 Queen Anne North - Seattle, WA, Lancaster Laboratories Group No. 1166648 collected on October 15, 2009.

Toluene was detected in sample MW-31 at a level of 1 µg/L, MW-32 at a level of 0.7 µg/L, MW-30 at a level of 0.5 µg/L and samples VP-5 and DUP-3 at a level of 0.6 µg/L. We suspect that the vial may have been the source of your low-level toluene hit.

Recently we've noted sporadic detections of toluene in trip, field, and equipment blanks between 0.2 and 1.7 µg/L. An investigation is underway to determine the cause of these trace levels of toluene; however, it appears that some HCL preserved vials contained trace levels of toluene. We have notified the manufacturer of our suspicion. They are performing their own investigation to determine the source of the toluene.

As corrective action, we have switched to another manufacturer and have confirmed the vials are clean. All suspect vials have been removed from our inventory to prevent any further issues.

We apologize for any inconvenience that this caused. Please call me at 717-656-2300, Ext. 1241 if you have any further questions.

Sincerely,

Jill M. Parker

Jill Parker
Project Manager
Environmental Client Services

JP/mcs

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

Shipping Address:
Lancaster Laboratories, Inc.
2425 New Holland Pike
Lancaster, PA 17601

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

Analysis Report

REVISED

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

November 05, 2009

Project: 211577

Samples arrived at the laboratory on Friday, October 16, 2009. The PO# for this group is 0015040041 and the release number is SKANCE. The group number for this submittal is 1166648.

Client Sample Description	Lancaster Labs (LLI) #
QA Water Sample	5807593
VP-5 Grab Water Sample	5807594
MW-10 Grab Water Sample	5807595
MW-21 Grab Water Sample	5807596
MW-30 Grab Water Sample	5807597
MW-31 Grab Water Sample	5807598
MW-32 Grab Water Sample	5807599
MW-33 Grab Water Sample	5807600
MW-34 Grab Water Sample	5807601
MW-35 Grab Water Sample	5807602
FB-3 Grab Water Sample	5807603
DUP-3 Grab Water Sample	5807604

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: Cheryl Hansen

Lancaster Laboratories

Analysis Report

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

REVISED

Questions? Contact your Client Services Representative
Jill M Parker at (717) 656-2300

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807593
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

1577Q

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 11:55	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 11:55	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 12:14	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 12:14	Matthew S Woods	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807594
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/14/2009 16:35 by ML

Account Number: 11260

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

15775

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	
06053	Benzene	71-43-2	1	0.5	1
06053	Ethylbenzene	100-41-4	0.9	0.5	1
06053	Toluene	108-88-3	0.6	0.5	1
06053	Xylene (Total)	1330-20-7	2	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 1 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	380	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	1,900	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	2,100	68	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 12:20	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 12:20	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 12:39	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 12:39	Matthew S Woods	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930025A	10/23/2009 09:31	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930025A	10/21/2009 10:20	Olivia I Santiago	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807595
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 08:35 by ML

Account Number: 11260

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

57710

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	2,970	52.2	1
07058	Manganese	7439-96-5	3,350	0.84	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	79,600	3,000	10
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	181,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	470	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

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807595
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 08:35 by ML

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

57710

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 12:46	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 12:46	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 13:04	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 13:04	Matthew S Woods	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930025A	10/23/2009 07:28	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930025A	10/21/2009 10:20	Olivia I Santiago	1
01754	Iron	SW-846 6010B	1	092931848002	10/22/2009 01:01	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	092931848002	10/22/2009 01:01	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092931848002	10/21/2009 01:00	Mirit S Shenouda	1
00368	Nitrate Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 08:52	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 08:52	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09289196602A	10/20/2009 12:25	Ashley M Adams	10
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09290834401A	10/17/2009 04:55	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807596
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 10:30 by ML

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

57721

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	88	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	4,740	52.2	1
07058	Manganese	7439-96-5	299	0.84	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	19,900	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	234,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	5,100	200	20
	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

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807596
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 10:30 by ML

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

57721

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 13:11	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 13:11	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 13:28	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 13:28	Matthew S Woods	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930030A	10/21/2009 22:32	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930030A	10/21/2009 08:30	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	092931848005	10/23/2009 04:28	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	092931848005	10/23/2009 04:28	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092931848005	10/21/2009 09:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 10:12	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 10:12	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09289196602A	10/17/2009 10:12	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09290834401A	10/17/2009 04:55	Daniel S Smith	20
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807597
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 11:20 by ML

Account Number: 11260

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

57730

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	0.5	0.5	1
06053	Xylene (Total)	1330-20-7	N.D.	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 1 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	59.8	52.2	1
07058	Manganese	7439-96-5	120	0.84	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	9,500	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	15,500	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	216,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	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.

Lancaster Laboratories

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

Analysis Report

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

LLI Sample # WW 5807597
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 11:20 by ML

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

57730

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 13:36	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 13:36	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 13:53	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 13:53	Matthew S Woods	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930030A	10/21/2009 22:53	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930030A	10/21/2009 08:30	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	092931848005	10/23/2009 04:32	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	092931848005	10/23/2009 04:32	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092931848005	10/21/2009 09:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 10:28	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 10:28	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09289196602A	10/17/2009 10:28	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09290834401A	10/17/2009 04:55	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807598
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 12:40 by ML

Account Number: 11260

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

57731

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	1	0.5	1
06053	Xylene (Total)	1330-20-7	N.D.	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 1 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	1

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
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 09:47	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 09:47	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 14:18	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 14:18	Matthew S Woods	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930030A	10/21/2009 23:14	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930030A	10/21/2009 08:30	Cynthia J Salvatori	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-32 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5807599
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 14:10 by ML

Account Number: 11260

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

57732

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	0.7	0.5	1
06053	Xylene (Total)	1330-20-7	N.D.	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 1 ug/l.				
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	N.D.	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	74	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 14:02	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 14:02	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 14:43	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 14:43	Matthew S Woods	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930030A	10/21/2009 23:35	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930030A	10/21/2009 08:30	Cynthia J Salvatori	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-33 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5807600
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 13:45 by ML

Account Number: 11260

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

57733

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	
06053	Benzene	71-43-2	1,300	10	20
06053	Ethylbenzene	100-41-4	78	1	2
06053	Toluene	108-88-3	37	1	2
06053	Xylene (Total)	1330-20-7	40	1	2
GC Volatiles	**ECY 97-602 NWTPH-Gx**		ug/l	ug/l	
08273	NWTPH-Gx water C7-C12	n.a.	1,200	50	1
GC Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	210	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	68	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
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 14:28	Ginelle L Feister	2
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 14:53	Ginelle L Feister	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 14:28	Ginelle L Feister	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z092921AA	10/19/2009 14:53	Ginelle L Feister	20
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 17:11	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 17:11	Matthew S Woods	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930030A	10/21/2009 23:56	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930030A	10/21/2009 08:30	Cynthia J Salvatori	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807601
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 10:00 by ML

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

57734

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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 Extractable TPH w/Si Gel	**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel	n.a.	N.D.	29	1
02211	HRO C24-C40 w/Si Gel	n.a.	N.D.	67	1
Metals	**SW-846 6010B**		ug/l	ug/l	
01754	Iron	7439-89-6	576	52.2	1
07058	Manganese	7439-96-5	15.3	0.84	1
Wet Chemistry	**EPA 300.0**		ug/l	ug/l	
00368	Nitrate Nitrogen	14797-55-8	12,300	250	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	400	5
00228	Sulfate	14808-79-8	37,100	1,500	5
	SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5	n.a.	102,000	460	1
00201	Alkalinity to pH 8.3	n.a.	N.D.	460	1
	SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron	n.a.	30	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

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807601
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 10:00 by ML

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

57734

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 15:19	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 15:19	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 15:07	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 15:07	Matthew S Woods	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930030A	10/22/2009 00:16	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930030A	10/21/2009 08:30	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	092931848005	10/23/2009 04:45	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	092931848005	10/23/2009 04:45	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092931848005	10/21/2009 09:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 10:44	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 10:44	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09289196602A	10/17/2009 10:44	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09290834401A	10/17/2009 04:55	Daniel S Smith	1
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-35 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5807602
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 12:45 by ML

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

57735

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene		71-43-2	58	0.5	1
06053	Ethylbenzene		100-41-4	N.D.	0.5	1
06053	Toluene		108-88-3	N.D.	0.5	1
06053	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 Extractable TPH w/Si Gel		**ECY 97-602 NWTPH-Dx modified**		ug/l	ug/l	
02211	DRO C12-C24 w/Si Gel		n.a.	50	29	1
02211	HRO C24-C40 w/Si Gel		n.a.	N.D.	68	1
Metals		**SW-846 6010B**		ug/l	ug/l	
01754	Iron		7439-89-6	14,700	52.2	1
07058	Manganese		7439-96-5	1,880	0.84	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	37,100	1,500	5
		SM20 2320 B		ug/l as CaCO3	ug/l as CaCO3	
00202	Alkalinity to pH 4.5		n.a.	214,000	460	1
00201	Alkalinity to pH 8.3		n.a.	N.D.	460	1
		SM20 3500 Fe B modified		ug/l	ug/l	
08344	Ferrous Iron		n.a.	2,900	100	10
		SM20 4500 S2 D		ug/l	ug/l	
00230	Sulfide		18496-25-8	170	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

Lancaster Laboratories

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

Analysis Report

REVISED

Sample Description: MW-35 Grab Water Sample
Facility# 211577 Job# 386765
631 Queen Anne North - Seattle, WA

LLI Sample # WW 5807602
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 12:45 by ML

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

57735

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 15:45	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 15:45	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 15:32	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 15:32	Matthew S Woods	1
02211	NWTPH-Dx water w/Si Gel	ECY 97-602 NWTPH-Dx modified	1	092930030A	10/22/2009 00:37	Diane V Do	1
02135	Extraction - DRO Water Special	ECY 97-602 NWTPH-Dx 06/97	1	092930030A	10/21/2009 08:30	Cynthia J Salvatori	1
01754	Iron	SW-846 6010B	1	092931848005	10/23/2009 04:49	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	092931848005	10/23/2009 04:49	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	092931848005	10/21/2009 09:18	Denise K Conners	1
00368	Nitrate Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 11:00	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	09289196602A	10/17/2009 11:00	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	09289196602A	10/17/2009 11:00	Ashley M Adams	5
00202	Alkalinity to pH 4.5	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
00201	Alkalinity to pH 8.3	SM20 2320 B	1	09292020201A	10/19/2009 14:57	Geraldine C Smith	1
08344	Ferrous Iron	SM20 3500 Fe B modified	1	09290834401A	10/17/2009 04:55	Daniel S Smith	10
00230	Sulfide	SM20 4500 S2 D	1	09292023001A	10/19/2009 19:41	Geraldine C Smith	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807603
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 by ML

Account Number: 11260

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

1577F

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	1	0.5	1
06053	Xylene (Total)	1330-20-7	N.D.	0.5	1
	The result reported for toluene in this field blank may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer.				
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
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 16:10	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 16:10	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 16:21	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 16:21	Matthew S Woods	1

Lancaster Laboratories

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

Analysis Report

REVISED

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

LLI Sample # WW 5807604
LLI Group # 1166648
WA

Project Name: 211577

Collected: 10/15/2009 by ML

Submitted: 10/16/2009 09:00
Reported: 11/05/2009 at 17:04
Discard: 12/06/2009

1577D

Account Number: 11260

Chevron
6001 Bollinger Canyon Road
L4310
San Ramon CA 94583

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	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	0.6	0.5	1
06053	Xylene (Total)	1330-20-7	N.D.	0.5	1
	The result reported for toluene in this sample may be attributed to trace amounts of toluene recently found in HCl preserved vials from the manufacturer. The field blank associated with this sample had a trace toluene detection of 1 ug/l.				
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
06053	BTEX by 8260B	SW-846 8260B	1	Z092921AA	10/19/2009 16:36	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092921AA	10/19/2009 16:36	Ginelle L Feister	1
08273	NWTPH-Gx water C7-C12	ECY 97-602 NWTPH-Gx	1	09295A07A	10/23/2009 15:57	Matthew S Woods	1
01146	GC VOA Water Prep	SW-846 5030B	1	09295A07A	10/23/2009 15:57	Matthew S Woods	1

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 11/05/09 at 05:04 PM

Group Number: 1166648

Matrix QC may not be reported if 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.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Z092921AA	Sample number(s): 5807593-5807604							
Benzene	N.D.	0.5	ug/l	95		79-120		
Ethylbenzene	N.D.	0.5	ug/l	96		79-120		
Toluene	N.D.	0.5	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	ug/l	98		80-120		
Batch number: 09295A07A	Sample number(s): 5807593-5807604							
NWTPH-Gx water C7-C12	N.D.	50.	ug/l	91	91	75-135	0	30
Batch number: 092930025A	Sample number(s): 5807594-5807595							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	90		50-100		
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 092930030A	Sample number(s): 5807596-5807602							
DRO C12-C24 w/Si Gel	N.D.	30.	ug/l	73	69	50-100	5	20
HRO C24-C40 w/Si Gel	N.D.	70.	ug/l					
Batch number: 092931848002	Sample number(s): 5807595							
Iron	N.D.	52.2	ug/l	99		90-112		
Manganese	N.D.	0.84	ug/l	99		90-110		
Batch number: 092931848005	Sample number(s): 5807596-5807597,5807601-5807602							
Iron	N.D.	52.2	ug/l	104		90-112		
Manganese	N.D.	0.84	ug/l	105		90-110		
Batch number: 09289196602A	Sample number(s): 5807595-5807597,5807601-5807602							
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	103		89-110		
Batch number: 09290834401A	Sample number(s): 5807595-5807597,5807601-5807602							
Ferrous Iron	N.D.	10.	ug/l	100		92-105		
Batch number: 09292020201A	Sample number(s): 5807595-5807597,5807601-5807602							
Alkalinity to pH 4.5	N.D.	460.	ug/l as CaCO3	100		98-103		
Batch number: 09292023001A	Sample number(s): 5807595-5807597,5807601-5807602							
Sulfide	N.D.	54.	ug/l	100		90-110		

Sample Matrix Quality Control

*- 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
Reported: 11/05/09 at 05:04 PM

Group Number: 1166648

Surrogate Quality Control

5807602	90
Blank	92
LCS	102
LCSD	101
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.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

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

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

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

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA 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 quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
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 amount 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 for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.