



# GETTLER - RYAN INC.

November 6, 2003  
Job #386765

Mr. Brett Hunter  
Chevron Products Company  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Event of October 1 and 2, 2003**  
Groundwater Monitoring & Sampling Report  
Former Texaco Service Station  
631 Queen Anne Avenue North  
Seattle, Washington  
(Site #211577)

Dear Mr. Hunter:

This report documents the 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 present in three wells (VP-4, VP-6 and MW-6). Separate Phase Hydrocarbon Thickness/Removal Data is presented in Table 2. 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. 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.

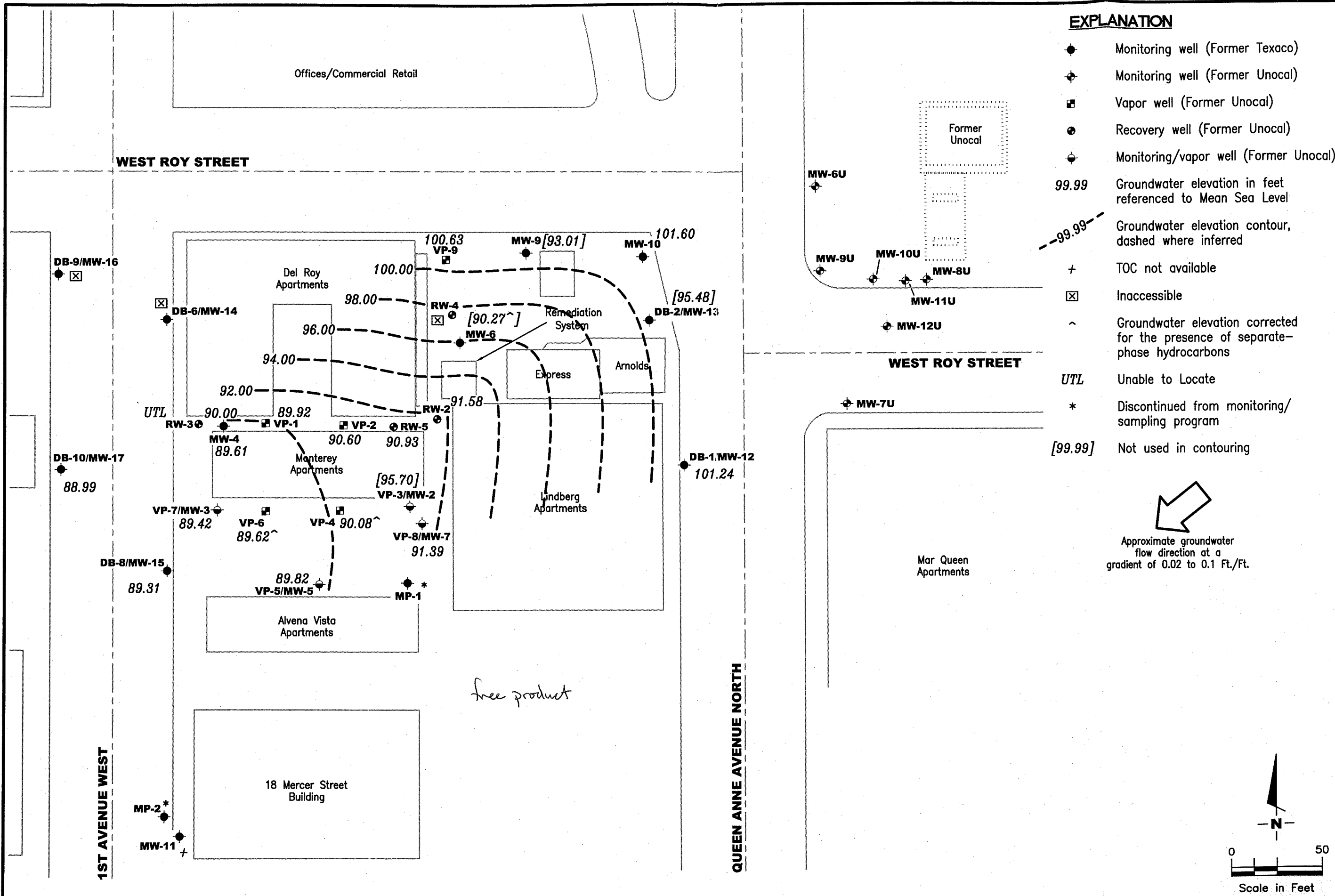
Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding  
Project Coordinator

Hagop Kevork  
Professional Engineer

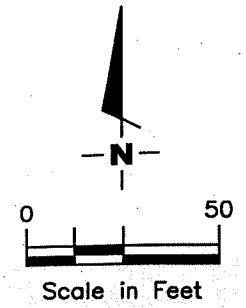
Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Table 2: Separate Phase Hydrocarbon Thickness/Removal Data  
Table 3: Groundwater Analytical Results - SVOC and PAH  
Table 4: Groundwater Analytical Results - SVOC  
Table 5: Groundwater Analytical Results -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



**EXPLANATION**

- Monitoring well (Former Texaco)
- ⊕ Monitoring well (Former Unocal)
- Vapor well (Former Unocal)
- ⊙ Recovery well (Former Unocal)
- ⊕ Monitoring/vapor well (Former Unocal)
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- - - 99.99 - - - Groundwater elevation contour, dashed where inferred
- + TOC not available
- ⊠ Inaccessible
- ^ Groundwater elevation corrected for the presence of separate-phase hydrocarbons
- UTL Unable to Locate
- \* Discontinued from monitoring/sampling program
- [99.99] Not used in contouring

Approximate groundwater flow direction at a gradient of 0.02 to 0.1 Ft./Ft.



FIGURE

**1**

**POTENTIOMETRIC MAP**

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

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

PROJECT NUMBER 386765  
 FILE NAME: P:\ENVIRO\TEXACO\211577\003-211577.DWG | Layout Tab: Pot4  
 REVIEWED BY  
 DATE October 1 and 2, 2003  
 REVISED DATE

Source: Figure modified from drawing provided by Delta Environmental Consultants, Inc.

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/ TOC*(ft.)	DATE	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
<b>VP-5 (MW-5)</b>												
102.63	07/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--
	10/17-18/02	--	12.31	0.00	90.32	3,900 <sup>1</sup>	<500 <sup>1</sup>	15,900	318	49.3	880	1,870
	01/21/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--
	10/01-02/03	--	12.81	0.00	89.82	1,500 <sup>1</sup>	270 <sup>1</sup>	22,000	330	76	1,000	2,200
<b>VP-6</b>												
101.90	07/24/02	10.60	12.18	1.58	90.98***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	10/17-18/02	11.35	12.00	0.65	90.42***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	01/21/03	11.27	12.90	1.63	90.30***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	04/23-24/03	10.75	10.90	0.15	91.12***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	06/30-07/01/03	11.32	11.54	0.22	90.54***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	10/01-02/03	12.12	12.91	0.79	89.62**	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
<b>VP-7 (MW-3)</b>												
100.40	07/24/02	--	9.74	0.00	90.66	5,800 <sup>1</sup>	580 <sup>1</sup>	60,000	8,200	7,000	1,500	8,300
	10/17-18/02	--	10.57	0.00	89.83	5,160 <sup>1</sup>	510 <sup>1.2</sup>	71,600	11,100	5,880	1,940	10,800
	01/21/03	--	10.29	0.00	90.11	714 <sup>1.4</sup>	<500 <sup>1</sup>	41,600	9,440	1,470	1,360	6,190
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--
	06/30-07/01/03	10.08	10.11	0.03	90.31***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	10/01-02/03	--	10.98	0.00	89.42	3,800 <sup>1</sup>	520 <sup>1</sup>	61,000	10,000	4,500	2,000	10,000
<b>VP-8 (MW-7)</b>												
104.88	07/24/02	--	11.70	0.00	93.18	1,800 <sup>1</sup>	420 <sup>1</sup>	1,500	9.4	9.2	34	50
	10/17-18/02	--	12.78	0.00	92.10	1,830 <sup>1</sup>	<500 <sup>1</sup>	552	9.75	1.45	4.25	5.73
	01/21/03	--	12.63	0.00	92.25	1,120 <sup>1</sup>	<500 <sup>1</sup>	1,910	139	291	59.1	216
	04/23-24/03	--	10.72	0.00	94.16	800 <sup>1</sup>	<500 <sup>1</sup>	700	65.6	35.7	22.9	69.8
	06/30-07/01/03	--	12.45	0.00	92.43	939 <sup>1</sup>	<500 <sup>1</sup>	379	2.68	1.57	3.70	4.69
	10/01-02/03	--	13.49	0.00	91.39	19,000 <sup>1</sup>	2,100 <sup>1</sup>	290	3.4	1.2	5.8	11

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/ TOC*(ft.)	DATE	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
<b>VP-1</b>												
103.03	07/24/02	--	11.59	0.00	91.44	18,000 <sup>1</sup>	1,500 <sup>1</sup>	35,000	120	820	280	4,600
	10/17-18/02	--	12.70	0.00	90.33	7,500 <sup>1</sup>	598 <sup>1,2</sup>	27,300	170	756	334	4,820
	01/21/03	--	12.70	0.00	90.33	14,200 <sup>1</sup>	807 <sup>1,2</sup>	36,700	90.5	801	500	6,630
	04/23-24/03	--	11.63	0.00	91.40	2,830 <sup>1</sup>	<500 <sup>1</sup>	24,200	110	136	225	2,780
	06/30-07/01/03	--	12.21	0.00	90.82	20,200 <sup>1</sup>	1,750 <sup>1</sup>	8,000 <sup>7</sup>	36.8 <sup>7</sup>	49.2 <sup>7</sup>	47.1 <sup>7</sup>	618 <sup>7</sup>
	<b>10/01-02/03</b>	--	<b>13.11</b>	<b>0.00</b>	<b>89.92</b>	<b>40,000<sup>1</sup></b>	<b>6,300<sup>1</sup></b>	<b>7,600</b>	<b>56</b>	<b>47</b>	<b>22</b>	<b>690</b>
<b>VP-2</b>												
104.72	07/24/02	UNABLE TO LOCATE	--	--	--	--	--	--	--	--	--	--
	10/17-18/02	--	13.60	0.00	91.12	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--
	01/21/03	--	13.63	0.00	91.09	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--
	04/23-24/03	--	12.15	0.00	92.57	12,100 <sup>1</sup>	<250 <sup>1</sup>	6,230	549	42.6	106	1,120
	06/30-07/01/03	--	12.51	0.00	92.21	35,900 <sup>1</sup>	1,380 <sup>1</sup>	3,330	180	58.8	32.4	510
	<b>10/01-02/03</b>	--	<b>14.12</b>	<b>0.00</b>	<b>90.60</b>	<b>NOT SAMPLED DUE TO INSUFFICIENT WATER</b>				--	--	--
<b>VP-3 (MW-2)</b>												
104.75	07/24/02	DRY	--	--	--	--	--	--	--	--	--	--
	10/17-18/02	DRY	--	--	--	--	--	--	--	--	--	--
	01/21/03	DRY	--	--	--	--	--	--	--	--	--	--
	04/23-24/03	DRY	--	--	--	--	--	--	--	--	--	--
	06/30-07/01/03	DRY	--	--	--	--	--	--	--	--	--	--
	<b>10/01-02/03</b>	--	<b>9.05</b>	<b>0.00</b>	<b>95.70</b>	<b>NOT SAMPLED DUE TO INSUFFICIENT WATER</b>				--	--	--
<b>VP-4</b>												
103.35	07/24/02	--	11.89	0.00	91.46	78,000 <sup>1</sup>	<9,700 <sup>1</sup>	89,000	7,300	7,500	1,900	13,000
	10/17-18/02	12.75	12.78	0.03	90.59***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	01/21/03	12.61	12.71	0.10	90.72***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	04/23-24/03	11.72	11.75	0.03	91.62***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	06/30-07/01/03	12.31	12.34	0.03	91.03***	NOT SAMPLED DUE TO THE PRESENCE OF SPH				--	--	--
	<b>10/01-02/03</b>	<b>13.26</b>	<b>13.29</b>	<b>0.03</b>	<b>90.08**</b>	<b>NOT SAMPLED DUE TO THE PRESENCE OF SPH</b>				--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/ TOC*(ft.)	DATE	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	
<b>VP-9</b>													
112.35	07/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	10/17-18/02	--	11.90	0.00	100.45	13,200 <sup>1</sup>	786 <sup>1,2</sup>	1,910	11.3	2.62	8.86	14.7	
	01/21/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	
	04/23-24/03	--	8.28	0.00	104.07	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00	
	06/30-07/01/03	--	9.74	0.00	102.61	<250 <sup>1</sup>	<500 <sup>1</sup>	681	1.22	0.735	5.07	3.28	
	10/01-02/03	--	11.72	0.00	100.63	5,400 <sup>1</sup>	1,300 <sup>1</sup>	1,600	5.3	1.4	2.3	<10	
<b>MW-4</b>													
102.07	07/24/02	--	11.18	0.00	90.89	10,000 <sup>1</sup>	680 <sup>1</sup>	83,000	11,000	9,900	1,800	11,000	
	10/17-18/02	--	11.98	0.00	90.09	9,860 <sup>1</sup>	697 <sup>1,2</sup>	110,000	14,500	11,600	2,630	15,200	
(D)	10/17-18/02	--	--	--	--	7,100 <sup>1</sup>	<500 <sup>1</sup>	92,400	12,400	9,980	2,090	12,200	
	01/21/03	--	11.81	0.00	90.26	2,540 <sup>1,5</sup>	<500 <sup>1</sup>	80,000	10,700	10,100	1,920	11,700	
	04/23-24/03	--	11.03	0.00	91.04	1,680 <sup>1</sup>	<500 <sup>1</sup>	79,300	8,990	7,350	1,780	10,300	
	06/30-07/01/03	--	11.55	0.00	90.52	3,910 <sup>1</sup>	<500 <sup>1</sup>	108,000	12,100	11,200	2,630	15,300	
	10/01-02/03	--	12.46	0.00	89.61	3,800 <sup>1</sup>	<500 <sup>1</sup>	100,000	9,700	11,000	2,000	12,000	
<b>MW-6</b>													
113.32	07/24/02	--	19.76	0.00	93.56	29,000 <sup>1</sup>	<10,000 <sup>1</sup>	31,000	8,900	1,600	820	4,200	
	10/17-18/02	20.64	20.69	0.05	92.67***	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	
	01/21/03	21.71	21.74	0.03	91.60***	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	
	04/23-24/03	20.88	20.91	0.03	92.43***	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	
	06/30-07/01/03	21.38	21.41	0.03	91.93***	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	
	10/01-02/03	23.04	23.07	0.03	90.27**	NOT SAMPLED DUE TO THE PRESENCE OF SPH					--	--	
<b>MW-9</b>													
114.27	10/17-18/02	--	20.88	0.00	93.39	43,600 <sup>1</sup>	671 <sup>1,2</sup>	6,380	493	13.0	230	107	
	01/21/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	
	04/23-24/03	--	20.04	0.00	94.23	3,680 <sup>1</sup>	<500 <sup>1</sup>	6,760	388	15.9	277	105	
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	
	10/01-02/03	--	21.26	0.00	93.01	33,000 <sup>1</sup>	<5,000 <sup>1</sup>	3,500	110	30	100	<100	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/ TOC*(ft.)	DATE	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
<b>MW-10</b>												
115.28	07/24/02	--	13.14	0.00	102.14	320 <sup>1</sup>	600 <sup>1</sup>	240	2.5	<0.50	<1.0	<1.5
	10/17-18/02	--	13.59	0.00	101.69	667 <sup>1</sup>	<500 <sup>1</sup>	490	3.42	<0.500	1.34	5.00
	01/21/03	--	12.46	0.00	102.82	<250 <sup>1</sup>	<500 <sup>1</sup>	416	3.44	0.550	0.519	3.24
	04/23-24/03	-- <sup>6</sup>	11.76	0.00	103.52	-- <sup>6</sup>	-- <sup>6</sup>	<50.0	<0.500	<0.500	<0.500	<1.00
	06/30-07/01/03	--	12.91	0.00	102.37	<250 <sup>1</sup>	<500 <sup>1</sup>	255	2.01	<0.500	0.535	2.53
	10/01-02/03	--	<b>13.68</b>	<b>0.00</b>	<b>101.60</b>	<b>&lt;250<sup>1</sup></b>	<b>&lt;250<sup>1</sup></b>	<b>190</b>	<b>2.6</b>	<b>&lt;0.5</b>	<b>0.5</b>	<b>&lt;3.0</b>
<b>MW-11</b>												
	07/24/02	--	11.16	0.00	--	<250 <sup>1</sup>	<250 <sup>1</sup>	<50	<0.50	<0.50	<0.50	<1.5
	10/17-18/02	--	11.43	0.00	--	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00
	01/21/03	--	11.29	0.00	--	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00
	04/23-24/03	--	11.09	0.00	--	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00
	06/30-07/01/03	--	11.39	0.00	--	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00
	10/01-02/03	--	<b>12.10</b>	<b>0.00</b>	--	<b>&lt;250<sup>1</sup></b>	<b>&lt;250<sup>1</sup></b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;1.5</b>
<b>DB-1 (MW-12)</b>												
113.36	10/17-18/02	--	12.22	0.00	101.14	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	0.516	0.869	<0.500	<1.00
	01/21/03	--	11.72	0.00	101.64	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00
	04/23-24/03	--	11.04	0.00	102.32	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00
	06/30-07/01/03	--	11.32	0.00	102.04	1,690 <sup>1</sup>	<500 <sup>1</sup>	1,040	2.91	1.05	10.0	26.5
	10/01-02/03	--	<b>12.12</b>	<b>0.00</b>	<b>101.24</b>	<b>470<sup>1</sup></b>	<b>&lt;250<sup>1</sup></b>	<b>69</b>	<b>1.2</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;1.5</b>
<b>DB-2 (MW-13)</b>												
114.80	10/17-18/02	--	19.31/DRY	0.00	95.49	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--
	01/21/03	--	19.01/DRY	0.00	95.79	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL										
	06/30-07/01/03	--	18.72/DRY	0.00	96.08	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--
	10/01-02/03	--	<b>19.32/DRY</b>	<b>0.00</b>	<b>95.48</b>	<b>NOT SAMPLED DUE TO INSUFFICIENT WATER</b>			--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/ TOC*(ft.)	DATE	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	
<b>DB-6 (MW-14)</b>													
101.64	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	
	11/14/02	--	11.88	0.00	89.76	4,710 <sup>1</sup>	<500 <sup>1</sup>	43,100 <sup>3</sup>	9,900 <sup>3</sup>	4,930 <sup>3</sup>	1,540 <sup>3</sup>	6,020 <sup>3</sup>	
	01/21/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	10/01-02/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	10/14/03 <sup>8,10</sup>	--	--	--	--	2,100 <sup>1</sup>	130 <sup>1</sup>	69,000	12,000	9,900	1,600	7,900	
<b>DB-8 (MW-15)</b>													
99.03	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	
	11/14/02	--	9.44	0.00	89.59	780 <sup>1</sup>	<500 <sup>1</sup>	3,280	1,640	5.23	5.06	<10.0	
	01/21/03	--	9.29	0.00	89.74	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00	
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	10/01-02/03	--	9.72	0.00	89.31	410 <sup>1</sup>	<250 <sup>1</sup>	810	1,700	60	48	110	
<b>DB-9 (MW-16)</b>													
101.83	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	
	11/14/02	--	12.36	0.00	89.47	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00	
	01/21/03	--	11.88	0.00	89.95	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00	
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	10/01-02/03	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
	10/14/03 <sup>8,9</sup>	--	--	--	--	<160 <sup>1</sup>	<200 <sup>1</sup>	740	26	1.0	3.8	3.6	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/ TOC*(ft.)	DATE	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
<b>DB-10 (MW-17)</b>												
99.29	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--
	11/14/02	--	10.00	0.00	89.29	<250 <sup>1</sup>	<500 <sup>1</sup>	2,780	569	31.0	91.1	250
	01/21/03	--	9.62	0.00	89.67	<250 <sup>1</sup>	<500 <sup>1</sup>	<50.0	<0.500	<0.500	<0.500	<1.00
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL										
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL										
	10/01-02/03	--	10.30	0.00	88.99	<250 <sup>1</sup>	<250 <sup>1</sup>	1,100	420	69	38	130
<b>RW-2</b>												
106.63	07/24/02	UNABLE TO LOCATE										
NP	10/17-18/02	--	14.44	0.00	92.19	988 <sup>1</sup>	<500 <sup>1</sup>	1,380	90.5	8.05	29.2	31.5
NP	01/21/03	--	10.61	0.00	96.02	<250 <sup>1</sup>	<500 <sup>1</sup>	126	33.5	0.859	1.28	4.11
	04/23-24/03	--	10.30	0.00	96.33	<250 <sup>1</sup>	<500 <sup>1</sup>	55.7	<0.500	<0.500	0.642	2.64
	06/30-07/01/03	--	13.72	0.00	92.91	505 <sup>1</sup>	<500 <sup>1</sup>	2,380	53.5	8.72	39.8	43.2
	10/01-02/03	--	15.05	0.00	91.58	1,400 <sup>1</sup>	<250 <sup>1</sup>	2,300	75	7.3	29	33
<b>RW-3</b>												
100.70	07/24/02	UNABLE TO LOCATE										
	10/17-18/02	UNABLE TO LOCATE										
	01/21/03	UNABLE TO LOCATE										
	04/23-24/03	UNABLE TO LOCATE										
	06/30-07/01/03	UNABLE TO LOCATE										
	10/01-02/03	UNABLE TO LOCATE										
<b>RW-4</b>												
110.82	07/24/02	--	18.30	0.00	92.52	15,000 <sup>1</sup>	<2,000 <sup>1</sup>	990	62	1.3	32	7.0
	10/17-18/02	--	19.29	0.00	91.53	8,930 <sup>1</sup>	939 <sup>1</sup>	3,160	59.8	2.50	40.4	15.6
	01/21/03	--	17.88	0.00	92.94	2,830 <sup>1</sup>	<500 <sup>1</sup>	689	0.991	<0.500	2.37	7.03
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL										
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL										
	10/01-02/03	INACCESSIBLE - VEHICLE PARKED OVER WELL										



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/ TOC*(ft.)	DATE	DTP (ft.)	DTW (ft.)	SPHT (ft.)	GWE (msl)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
<b>RW-5</b>												
104.22	07/24/02	UNABLE TO LOCATE	--	--	--	--	--	--	--	--	--	--
	10/17-18/02	--	12.63	0.00	91.59	84,900 <sup>1</sup>	3,650 <sup>1</sup>	3,370	696	67.2	63.0	408
NP	01/21/03	--	11.81	0.00	92.41	1,860 <sup>1</sup>	<500 <sup>1</sup>	493	17.1	4.43	1.37	52.9
	04/23-24/03	--	11.31	0.00	92.91	2,050 <sup>1</sup>	<500 <sup>1</sup>	2,490	9.73	13.4	<5.00	870
	06/30-07/01/03	--	11.91	0.00	92.31	8,010 <sup>1</sup>	<500 <sup>1</sup>	2,170	34.6	20.3	8.10	1,050
	10/01-02/03	--	13.29	0.00	90.93	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--
<b>MP-1</b>	07/24/02	INACCESSIBLE - UNABLE TO OPEN WELL				--	--	--	--	--	--	--
	10/17-18/02	INACCESSIBLE - UNABLE TO OPEN WELL				--	--	--	--	--	--	--
	NOT MONITORED/SAMPLED											
<b>MP-2</b>	07/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--	--
	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--
	NOT MONITORED/SAMPLED											
<b>Trip Blank</b>												
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 <sup>8,11</sup>	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5

	TPH-D	TPH-O	TPH-G	B	T	E	X
Standard Laboratory Reporting Limits:	250	250	50	0.5	0.5	0.5	1.5
MTCA Method A Cleanup Levels:	500	500	800/1,000	5	1,000	700	1,000
Current Method:	NWTPH-D Extended		NWTPH-G and EPA 8021B				

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

**EXPLANATIONS:**

TOC = Top of Casing (ft.) = Feet	TPH-G = Total Petroleum Hydrocarbons as Gasoline B = Benzene	-- = Not Measured/Not Analyzed QA = Quality Assurance/Trip Blank
DTW/P = Depth to Water or Product	T = Toluene	NP = No Purge
GWE = Groundwater Elevation (msl) = Mean Sea Level	E = Ethylbenzene X = Xylenes	MTCA = Model Toxics Control Act Cleanup Regulations [WAC 173-340-720(2)(a)(I), as amended 02/01].
TPH-D = Total Petroleum Hydrocarbons as Diesel	D. LEAD = Dissolved Lead	
TPH-O = Total Petroleum hydrocarbons as Oil	(ppb) = Parts per billion	

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

- <sup>1</sup> Analysis with silica gel cleanup.
- <sup>2</sup> Laboratory report indicates the heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
- <sup>3</sup> Laboratory report indicates this sample was received and analyzed unpreserved.
- <sup>4</sup> Laboratory report indicates results in the diesel organics range are primarily due to overlap from a gasoline range product.
- <sup>5</sup> Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- <sup>6</sup> Sample broke during transport to laboratory.
- <sup>7</sup> Laboratory report indicates this sample was analyzed outside of our recommended holding time. See case narrative.
- <sup>8</sup> Data provided by SAIC.
- <sup>9</sup> MTBE by EPA Method 8021 was not detected at or above 10 ppb.
- <sup>10</sup> MTBE by EPA Method 8021 was not detected at or above 250 ppb.
- <sup>11</sup> MTBE by EPA Method 8021 was not detected at or above 2.5 ppb.

**Table 2**  
**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
	<b>10/01-02/03</b>	<b>13.26</b>	<b>13.29</b>	<b>0.03</b>	<b>0.00</b>
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
	<b>10/01-02/03</b>	<b>12.12</b>	<b>12.91</b>	<b>0.79</b>	<b>0.00</b>
VP-7	06/30-07/01/03	10.08	10.11	0.03	0.00
	<b>10/01-02/03</b>	--	<b>10.98</b>	<b>0.00</b>	<b>0.00</b>
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
	<b>10/01-02/03</b>	<b>23.04</b>	<b>23.07</b>	<b>0.03</b>	<b>0.00</b>

**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.

**Table 3**  
**Groundwater Analytical Results - SVOC and PAH**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID	DATE	2-Methylnaphthalene (ppb)	2,4-Dimethylphenol (ppb)	Naphthalene (ppb)	Phenol (ppb)	2-Methylphenol (ppb)	4-Methylphenol (ppb)	bis (2-Ethylhexyl) phthalate (ppb)	Benzoic acid (ppb)
VP-1	07/24/2002	84	80	160	ND	13	18	31	<10
VP-2	07/24/2002	UNABLE TO LOCATE		--	--	--	--	--	--
VP-5 (MW-5)	07/24/2002	INACCESSIBLE - VEHICLE PARKED OVER WELL		--	--	--	--	--	--
VP-7 (MW-3)	07/24/2002	69	28	420	ND	<5.0	6	<10	34
VP-8 (MW-7)	07/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<10	<10
VP-9	07/24/2002	INACCESSIBLE - VEHICLE PARKED OVER WELL		--	--	--	--	--	--
MW-4	07/24/2002	160	24	500	ND	6	9	<10	<10
MW-10	07/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	13	<10
MW-11	07/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<10	<10

**Table 3**  
**Groundwater Analytical Results - SVOC and PAH**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID	DATE	2-Methylnaphthalene (ppb)	2,4-Dimethylphenol (ppb)	Naphthalene (ppb)	Phenol (ppb)	2-Methylphenol (ppb)	4-Methylphenol (ppb)	bis (2-Ethylhexyl) phthalate (ppb)	Benzoic acid (ppb)
DB-1 (MW-12)	10/17-18/02	<10.0	<10.0	<10.0	<10.0	<10.0	--	<50.0	<20.0
DB-2 (MW-13)	10/17-18/02	--	--	--	--	--	--	--	--
DB-6 (MW-14)	10/17-18/02	--	--	--	--	--	--	--	--
	11/14/02	52.2	13.4	242	34.5	11.0	24.8 <sup>1</sup>	<50.0	<20.0
DB-8 (MW-15)	10/17-18/02	--	--	--	--	--	--	--	--
	11/14/02	<10.0	<10.0	<10.0	37.0	<10.0	<10.0 <sup>1</sup>	<50.0	<20.0
RW-4	07/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<10	<10

**Table 3**  
**Groundwater Analytical Results - SVOC and PAH**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

---

**EXPLANATIONS:**

(ppb) = Parts per billion

-- = Not Analyzed

ND = Not Detected

<sup>1</sup> Results are for 3 & 4-Methylphenol.

**ANALYTICAL METHODS:**

Semi-Volatile Organic Compounds (SVOC) by EPA Method 8270

Polynuclear Aromatic Hydrocarbons (PAH) by EPA Method 8270

**NOTE:**

Other PAH and SVOC constituents were less than the reporting limit.

**Table 4**  
**Groundwater Analytical Results - SVOC**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/	DATE	Chloroform (ppb)	cis-1,2-Dichloroethene (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Tetrachloroethene (ppb)	Trichloroethene (ppb)	m+p-Xylene (ppb)	o-Xylene (ppb)	Isopropylbenzene (ppb)	n-Propylbenzene (ppb)	1,3,5-Trimethylbenzene (ppb)	1,2,4-Trimethylbenzene (ppb)	sec-Butylbenzene (ppb)	p-Isopropyltoluene (ppb)	n-Butylbenzene (ppb)	Naphthalene (ppb)	Methyl-t-butyl ether (ppb)	t-Butyl alcohol (ppb)
VP-3 (MW-2)	07/24/02	DRY	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VP-5 (MW-5)	07/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL								--	--	--	--	--	--	--	--	--	--	--
VP-7 (MW-3)	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<10.0	<100
VP-9	07/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL								--	--	--	--	--	--	--	--	--	--	--
MW-4	07/24/02	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
	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	<50.0	<500
MW-10	07/24/02	ND	15	2	<0.5	<0.5	ND	ND	<0.5	<0.5	<2	<1	<1	<1	1	<1	<1	<2	<2	<100
MW-11	07/24/02	ND	<1	<0.5	<0.5	<0.5		ND	<0.5	<0.5	<2	<1	<1	<1	<1	<1	<1	<2	<2	<100
DB-1 (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

**Table 4**  
**Groundwater Analytical Results - SVOC**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/	DATE	Chloroform (ppb)	cis-1,2-Dichloroethene (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Tetrachloroethene (ppb)	Trichloroethene (ppb)	m+p-Xylene (ppb)	o-Xylene (ppb)	Isopropylbenzene (ppb)	n-Propylbenzene (ppb)	1,3,5-Trimethylbenzene (ppb)	1,2,4-Trimethylbenzene (ppb)	sec-Butylbenzene (ppb)	p-Isopropyltoluene (ppb)	n-Butylbenzene (ppb)	Naphthalene (ppb)	Methyl t-butyl ether (ppb)	t-Butyl alcohol (ppb)
DB-2 (MW-13)	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DB-6 (MW-14)	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DB-8 (MW-15)	10/17-18/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RW-4	07/24/02	ND	<1	70	1	36	ND	ND	3	2	<2	3	<1	20	<1	2	1	5	<2	<100



**Table 4**  
**Groundwater Analytical Results - SVOC**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

---

**EXPLANATIONS:**

(ppb) = Parts per billion  
SVOC = Volatile Organic Compounds  
-- = Not Analyzed  
ND = Not Detected

**ANALYTICAL METHOD:**

SVOC by EPA Method 8260

**NOTE:**

Other SVOC were less than the reporting limit.

**Table 5**  
**Groundwater Analytical Results - Dissolved Metals**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/	DATE	MERCURY (ppb)	ARSENIC (ppb)	CADMIUM (ppb)	CHROMIUM (ppb)	LEAD (ppb)	SELENIUM (ppb)	SILVER (ppb)	BARIUM TR (ppb)
VP-1	07/24/02	--	--	--	--	22.9	--	--	--
	10/17-18/02 <sup>1</sup>	--	--	--	--	18.0	--	--	--
	01/21/03	--	--	--	--	47.1	--	--	--
	04/23-24/03	--	--	--	--	36.4 <sup>2</sup>	--	--	--
	06/30-07/01/03	--	--	--	--	13.2 <sup>2</sup>	--	--	--
	<b>10/01-02/03</b>	--	--	--	--	<b>31.2<sup>2</sup></b>	--	--	--
VP-2	07/24/02	UNABLE TO LOCATE		--	--	--	--	--	--
	10/17-18/02	NOT SAMPLED DUE TO INSUFFICIENT WATER		--	--	--	--	--	--
	01/21/03	NOT SAMPLED DUE TO INSUFFICIENT WATER		--	--	--	--	--	--
	04/23-24/03	--	--	--	--	1.52 <sup>2</sup>	--	--	--
	06/30-07/01/03	--	--	--	--	3.97 <sup>2</sup>	--	--	--
	<b>10/01-02/03</b>	<b>NOT SAMPLED DUE TO INSUFFICIENT WATER</b>		--	--	--	--	--	--
VP-3 (MW-2)	07/24/02	DRY	--	--	--	--	--	--	--
	10/17-18/02	DRY	--	--	--	--	--	--	--
	01/21/03	DRY	--	--	--	--	--	--	--
	04/23-24/03	DRY	--	--	--	--	--	--	--
	06/30-07/01/03	DRY	--	--	--	--	--	--	--
	<b>10/01-02/03</b>	<b>NOT SAMPLED DUE TO INSUFFICIENT WATER</b>		--	--	--	--	--	--
VP-4	07/24/02	--	--	--	--	28.0	--	--	--
	10/17-18/02	NOT SAMPLED DUE TO THE PRESENCE OF SPH		--	--	--	--	--	--
	01/21/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH		--	--	--	--	--	--
	04/23-24/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH		--	--	--	--	--	--
	06/30-07/01/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH		--	--	--	--	--	--
	<b>10/01-02/03</b>	<b>NOT SAMPLED DUE TO THE PRESENCE OF SPH</b>		--	--	--	--	--	--

**Table 5**

**Groundwater Analytical Results - Dissolved Metals**

Former Texaco Service Station (Site #211577)

631 Queen Anne Avenue North

Seattle, Washington

WELL ID/	DATE	MERCURY (ppb)	ARSENIC (ppb)	CADMIUM (ppb)	CHROMIUM (ppb)	LEAD (ppb)	SELENIUM (ppb)	SILVER (ppb)	BARIUM TR (ppb)
VP-5 (MW-5)	07/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	10/17-18/02 <sup>1</sup>	--	--	--	--	2.29	--	--	--
	01/21/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	10/01-02/03	--	--	--	--	2.4 <sup>2</sup>	--	--	--
VP-6	07/24/02	NOT SAMPLED - DUE TO PRESENCE OF SPH			--	--	--	--	--
	10/17-18/02	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
	01/21/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
	04/23-24/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
	06/30-07/01/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
	10/01-02/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
VP-7 (MW-3)	07/24/02	<0.079	97.3	<0.080	2.2	25.0	<1.1	0.068	33.6
	10/17-18/02	--	--	--	--	2.40	--	--	--
	01/21/03	--	--	--	--	<1.00	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	06/30-07/01/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
	10/01-02/03	--	--	--	--	1.8 <sup>2</sup>	--	--	--
VP-8 (MW-7)	07/24/02	<0.079	2.1	0.13	0.82	11.4	<1.1	<0.050	49.6
	10/17-18/02	--	--	--	--	1.93	--	--	--
	01/21/03	--	--	--	--	8.33	--	--	--
	04/23-24/03	--	--	--	--	3.73 <sup>2</sup>	--	--	--
	06/30-07/01/03	--	--	--	--	2.06 <sup>2</sup>	--	--	--
	10/01-02/03	--	--	--	--	2.4 <sup>2</sup>	--	--	--

**Table 5**

**Groundwater Analytical Results - Dissolved Metals**

Former Texaco Service Station (Site #211577)

631 Queen Anne Avenue North

Seattle, Washington

WELL ID/	DATE	MERCURY (ppb)	ARSENIC (ppb)	CADMIUM (ppb)	CHROMIUM (ppb)	LEAD (ppb)	SELENIUM (ppb)	SILVER (ppb)	BARIUM TR (ppb)
VP-9	07/24/02	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	10/17-18/02	--	--	--	--	<1.00	--	--	--
	01/21/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	04/23-24/03	--	--	--	--	<1.00 <sup>2</sup>	--	--	--
	06/30-07/01/03	--	--	--	--	<1.00 <sup>2</sup>	--	--	--
	<b>10/01-02/03</b>	--	--	--	--	-- <sup>3</sup>	--	--	--
	MW-4  (D)	07/24/02	<0.079	31.0	<0.080	<0.28	15.5	<1.1	<0.050
10/17-18/02 <sup>1</sup>		--	--	--	--	10.7	--	--	--
10/17-18/02		--	--	--	--	9.61	--	--	--
01/21/03		--	--	--	--	14.5	--	--	--
04/23-24/03		--	--	--	--	5.74 <sup>2</sup>	--	--	--
06/30-07/01/03		--	--	--	--	7.85 <sup>2</sup>	--	--	--
<b>10/01-02/03</b>		--	--	--	--	7.1 <sup>2</sup>	--	--	--
MW-6	07/24/02	--	--	--	--	5.1	--	--	--
	10/17-18/02	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
	01/21/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
	04/23-24/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
	06/30-07/01/03	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
	<b>10/01-02/03</b>	NOT SAMPLED DUE TO THE PRESENCE OF SPH			--	--	--	--	--
MW-9	10/17-18/02	--	--	--	--	2.66	--	--	--
	01/21/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	04/23-24/03	--	--	--	--	1.31 <sup>2</sup>	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	<b>10/01-02/03</b>	--	--	--	--	3.9 <sup>2</sup>	--	--	--

Table 5

## Groundwater Analytical Results - Dissolved Metals

Former Texaco Service Station (Site #211577)

631 Queen Anne Avenue North

Seattle, Washington

WELL ID/	DATE	MERCURY (ppb)	ARSENIC (ppb)	CADMIUM (ppb)	CHROMIUM (ppb)	LEAD (ppb)	SELENIUM (ppb)	SILVER (ppb)	BARIUM TR (ppb)
MW-10	07/24/02	<0.079	4.1	0.17	0.38	1.3	<1.1	<0.050	52.1
	10/17-18/02	--	--	--	--	<1.00	--	--	--
	01/21/03	--	--	--	--	<1.00	--	--	--
	04/23-24/03	--	--	--	--	<1.00 <sup>2</sup>	--	--	--
	06/30-07/01/03	--	--	--	--	<1.00 <sup>2</sup>	--	--	--
	10/01-02/03	--	--	--	--	<1.2 <sup>2</sup>	--	--	--
MW-11	07/24/02	--	--	--	--	<1.2	--	--	--
	10/17-18/02	--	--	--	--	<1.00	--	--	--
	01/21/03	--	--	--	--	<1.00	--	--	--
	04/23-24/03	--	--	--	--	<1.00 <sup>2</sup>	--	--	--
	06/30-07/01/03	--	--	--	--	<1.00 <sup>2</sup>	--	--	--
	10/01-02/03	--	--	--	--	<1.2 <sup>2</sup>	--	--	--
DB-1 (MW-12)	01/21/03	--	--	--	--	<1.00	--	--	--
	04/23-24/03	--	--	--	--	<1.00 <sup>2</sup>	--	--	--
	06/30-07/01/03	--	--	--	--	<1.00 <sup>2</sup>	--	--	--
	10/01-02/03	--	--	--	--	<1.2 <sup>2</sup>	--	--	--
DB-2 (MW-13)	01/21/03	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	06/30-07/01/03	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
	10/01-02/03	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
DB-6 (MW-14)	11/14/02	<1.00	17.0	<1.00	<1.00	1.82	1.48	<1.00	18.4
	01/21/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	10/01-02/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--

**Table 5**  
**Groundwater Analytical Results - Dissolved Metals**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/	DATE	MERCURY (ppb)	ARSENIC (ppb)	CADMIUM (ppb)	CHROMIUM (ppb)	LEAD (ppb)	SELENIUM (ppb)	SILVER (ppb)	BARIUM TR (ppb)
DB-8 (MW-15)	11/14/02	<1.00	1.33	<1.00	<1.00	1.04	<1.00	<1.00	<10.0
	01/21/03	--	--	--	--	<1.00	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	10/01-02/03	--	--	--	--	<1.2 <sup>2</sup>	--	--	--
DB-9 (MW-16)	11/14/02	--	--	--	--	<1.00	--	--	--
	01/21/03	--	--	--	--	<1.00	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	10/01-02/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
DB-10 (MW-17)	11/14/02	--	--	--	--	<1.00	--	--	--
	01/21/03	--	--	--	--	<1.00	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	10/01-02/03	--	--	--	--	<1.2 <sup>2</sup>	--	--	--
RW-2	07/24/02	UNABLE TO LOCATE		--	--	--	--	--	--
	10/17-18/02	--	--	--	--	2.23	--	--	--
	01/21/03	--	--	--	--	<1.00	--	--	--
	04/23-24/03	--	--	--	--	<1.00 <sup>2</sup>	--	--	--
	06/30-07/01/03	--	--	--	--	1.43 <sup>2</sup>	--	--	--
	10/01-02/03	--	--	--	--	4.9 <sup>2</sup>	--	--	--

**Table 5**  
**Groundwater Analytical Results - Dissolved Metals**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID/	DATE	MERCURY (ppb)	ARSENIC (ppb)	CADMIUM (ppb)	CHROMIUM (ppb)	LEAD (ppb)	SELENIUM (ppb)	SILVER (ppb)	BARIUM TR (ppb)
RW-3	07/24/02	UNABLE TO LOCATE		--	--	--	--	--	--
	10/17-18/02	UNABLE TO LOCATE		--	--	--	--	--	--
	01/21/03	UNABLE TO LOCATE		--	--	--	--	--	--
	04/23-24/03	UNABLE TO LOCATE		--	--	--	--	--	--
	06/30-07/01/03	UNABLE TO LOCATE		--	--	--	--	--	--
	10/01-02/03	UNABLE TO LOCATE		--	--	--	--	--	--
RW-4	07/24/02	<0.079	6.1	<0.080	1.2	3.3	<1.1	<0.050	66.9
	10/17-18/02	--	--	--	--	1.23	--	--	--
	01/21/03	--	--	--	--	<1.00	--	--	--
	04/23-24/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	06/30-07/01/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
	10/01-02/03	INACCESSIBLE - VEHICLE PARKED OVER WELL			--	--	--	--	--
RW-5	07/24/02	UNABLE TO LOCATE		--	--	--	--	--	--
	10/17-18/02	--	--	--	--	3.91	--	--	--
	01/21/03	--	--	--	--	13.3	--	--	--
	04/23-24/03	--	--	--	--	7.31 <sup>2</sup>	--	--	--
	06/30-07/01/03	--	--	--	--	1.98 <sup>2</sup>	--	--	--
	10/01-02/03	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--

**Table 5**  
**Groundwater Analytical Results - Dissolved Metals**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

---

**EXPLANATIONS:**

(ppb) = Parts per billion

-- = Not Analyzed

(D) - Duplicate

**ANALYTICAL METHODS:**

Dissolved Metals by EPA Method Series 7000

Barium TR by EPA Method 6010B

- <sup>1</sup> Organic Lead was <300 ppb.
- <sup>2</sup> Laboratory report indicates this sample was laboratory filtered.
- <sup>3</sup> Due to limited sample volume; no results will be provided.



**Table 6**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Former Texaco Service Station (Site #211577)  
631 Queen Anne Avenue North  
Seattle, Washington

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)	1,2-DCA (ppb)	EDB (ppb)
DB-1 (MW-12)	10/18/02	--	<50.0	<5.00	--	<1.00	<1.00	--	--
VP-7 (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

**EXPLANATIONS:**

TBA = Tertiary butyl alcohol  
MTBE = Methyl tertiary butyl ether  
DIPE = Di-isopropyl ether  
ETBE = Ethyl tertiary butyl ether  
TAME = Tertiary amyl methyl ether  
1,2- DCA = 1,2-Dichloroethane  
EDB = 1,2-Dibromoethane  
(ppb) = Parts per billion

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

## 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.



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-10-2-03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: VP-1 Date Monitored: 10/10/03 Well Condition: ok

Well Diameter: 2 in.  
 Total Depth: 14.58 ft.  
 Depth to Water: 13.11 ft.  
1.47

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

xVF .17 = .25 x3 (case volume) = Estimated Purge Volume: .75 gal.

### Purge Equipment:

Disposable Bailer ✓  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer ✓  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 800 Weather Conditions: Foggy  
 Sample Time/Date: 815 / 1 Water Color: clear Odor: yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? yes If yes, Time: 808 Volume: .75 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>805</u>	<u>.75</u>	<u>6.84</u>	<u>298</u>	<u>12.2</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>VP-1</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
<u>VP-1</u>	<u>1</u> x amber	YES	HCL	LANCASTER	TPH-Dx w/sg
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

COMMENTS: Only 1 TPH (D) sample taken due to insufficient water

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-10-2-03 (inclusive)  
 Sampler: BWN

Well ID: VP-2  
 Well Diameter: 2 in.  
 Total Depth: 14.44 ft.  
 Depth to Water: 14.12 ft.

Date Monitored: 10/1/03 Well Condition: OK

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: / Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Insufficient water to sample

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-10-2003 (inclusive)  
 Sampler: BWN

Well ID: VP-3  
 Well Diameter: 2 in.  
 Total Depth: 9.10 ft.  
 Depth to Water: 9.05 ft.

Date Monitored: 10/10/03 Well Condition: OK

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: \_\_\_\_\_ Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Insufficient water to sample

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-10-2003 (inclusive)  
 Sampler: BWN

Well ID: VP-4  
 Well Diameter: 2 in.  
 Total Depth: 14.69 ft.  
 Depth to Water: 13.29 ft.

Date Monitored: 10/11/03 Well Condition: OK

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: 13.26 ft  
 Depth to Water: 13.29 ft  
 Hydrocarbon Thickness: .03 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: \_\_\_\_\_ / \_\_\_\_\_ Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/STEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Not sampled due to SPH

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-10-2-03 (inclusive)  
 Sampler: BWN

Well ID: VP-5 Date Monitored: 10/11/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 16.50 ft.  
 Depth to Water: 12.81 ft.  
 Volume Factor (VF): 3.69 xVF 117 = 162 x3 (case volume) = Estimated Purge Volume: 2 gal.

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

**Purge Equipment:**  
 Disposable Bailer J  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer ✓  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 830 Weather Conditions: foggy  
 Sample Time/Date: 845 / Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>833</u>	<u>1</u>	<u>7.14</u>	<u>341</u>	<u>12.3</u>		
<u>836</u>	<u>2</u>	<u>7.09</u>	<u>337</u>	<u>12.2</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>VP-5</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
<u>VP-5</u>	<u>2</u> x amber	YES	HCL	LANCASTER	TPH-Dx w/sq

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10/1-10-03 (inclusive)  
 Sampler: BWN

Well ID: VP-6 Date Monitored: 10/1/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 14.72 ft.  
 Depth to Water: 12.91 ft.

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: X (2400 hrs)  
 Time Bailed: X (2400 hrs)  
 Depth to Product: 12.12 ft  
 Depth to Water: 12.91 ft  
 Hydrocarbon Thickness: .79 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: X gal  
 Amt Removed from Well: X gal  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: / Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Not sampled due to SPH

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_





# GETTLER-RYAN Inc.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-10-2-03 (inclusive)  
 Sampler: BWN

Well ID: VP - 7 Date Monitored: 10/11/03 Well Condition: OK

Well Diameter: 2 in.  
 Total Depth: 17.42 ft.  
 Depth to Water: 10.98 ft.  
6.44 xVF 1.17 = 1.09 x3 (case volume) = Estimated Purge Volume: 3 gal.

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

**Purge Equipment:**  
 Disposable Bailer: J  
 Stainless Steel Bailer: \_\_\_\_\_  
 Stack Pump: \_\_\_\_\_  
 Suction Pump: \_\_\_\_\_  
 Grundfos: \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer: J  
 Pressure Bailer: \_\_\_\_\_  
 Discrete Bailer: \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 900 Weather Conditions: Foggy  
 Sample Time/Date: 915 / Water Color: clear Odor: yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>903</u>	<u>1</u>	<u>6.86</u>	<u>351</u>	<u>12.4</u>		
<u>906</u>	<u>2</u>	<u>6.83</u>	<u>347</u>	<u>12.3</u>		
<u>909</u>	<u>3</u>	<u>6.81</u>	<u>340</u>	<u>12.2</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>VP - 7</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MPDE
<u>VP - 7</u>	<u>2</u> x amber	YES	HCL	LANCASTER	TPH-Dx w/sg
<u>VP - 7</u>	<u>1</u> 500 ml Pl.				<u>Diss. Lead</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10/1-10-2-03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: VP - 8 Date Monitored: 10/1/03 Well Condition: ok

Well Diameter: 2 in.

Total Depth: 16.61 ft.

Depth to Water: 13.49 ft.

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

3.12 xVF 1.7 = 1.5 x3 (case volume) = Estimated Purge Volume: 1.5 gal.

### Purge Equipment:

Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 930 Weather Conditions: foggy  
 Sample Time/Date: 940 / Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>935</u>	<u>1.5</u>	<u>7.14</u>	<u>326</u>	<u>12.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>VP - 8</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
<u>VP - 8</u>	<u>2</u> x amber	YES	HCL	LANCASTER	TPH-Dx w/sg
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-10-03 (inclusive)  
 Sampler: BWN

Well ID: VP-9 Date Monitored: 10/11/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 13.50 ft.  
 Depth to Water: 11.72 ft.  
 Volume Factor (VF): 1.78 xVF .17 = .3 x3 (case volume) = Estimated Purge Volume: 1 gal.

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

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 950 Weather Conditions: foggy  
 Sample Time/Date: 1000 / Water Color: orange Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>955</u>	<u>1</u>	<u>6.84</u>	<u>321</u>	<u>12.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>VP-9</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
<u>VP-9</u>	<u>1</u> x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Water contains (Fat)

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-1-03 - 10/2/03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: MW - 4 Date Monitored: 10/1/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 17.31 ft.

Depth to Water: 12.46 ft.

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

4.85 x VF .17 = .82 x3 (case volume) = Estimated Purge Volume: 2.5 gal.

### Purge Equipment:

Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 800 Weather Conditions: foggy  
 Sample Time/Date: 815 / Water Color: clear Odor: slight  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>803</u>	<u>1</u>	<u>6.87</u>	<u>345</u>	<u>12.5</u>	_____	_____
<u>806</u>	<u>2.5</u>	<u>6.84</u>	<u>344</u>	<u>12.4</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G/BTEX/PAHs</u>
<u>MW 4</u>	<u>2</u> x amber	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-Dx w/sg</u>
<u>MW 4</u>	<u>1</u> 500 ml Pl.	<u>✓</u>	<u>NP</u>	<u>✓</u>	<u>Diss. Lead</u>
_____	_____	_____	_____	_____	_____

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-1-03 - 10/2/03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: MW-6 Date Monitored: 10/1/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 28.32 ft.  
 Depth to Water: 23.07 ft.

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

**Purge Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: 23.04 ft  
 Depth to Water: 23.07 ft  
 Hydrocarbon Thickness: .03 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Not sampled due to SPH

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-1-03 - 10/2/03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: MW-9 Date Monitored: 10/1/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 27.70 ft.  
 Depth to Water: 21.26 ft.  
 Volume Factor (VF): 6.44 x VF .17 = 1.09 x3 (case volume) = Estimated Purge Volume: 3 gal.

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

### Purge Equipment:

Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 830 Weather Conditions: foggy  
 Sample Time/Date: 845 / Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>833</u>	<u>1</u>	<u>6.84</u>	<u>341</u>	<u>12.5</u>		
<u>836</u>	<u>2</u>	<u>6.80</u>	<u>337</u>	<u>12.4</u>		
<u>839</u>	<u>3</u>	<u>6.77</u>	<u>335</u>	<u>12.3</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G/BTEX/MSB</u>
<u>MW-9</u>	<u>2</u> x amber	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-Dx w/sg</u>
<u>MW 9</u>	<u>1</u> 500ml Pl.	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>Diss. Lead</u>

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-1-03 - 10/2/03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: MW-10 Date Monitored: 10/1/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 28.94 ft.  
 Depth to Water: 13.68 ft.  
15.26 xVF .17 = 2.5 x3 (case volume) = Estimated Purge Volume: 7.5 gal.

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

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 900 Weather Conditions: foggy  
 Sample Time/Date: 930 / 1 Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>908</u>	<u>2.5</u>	<u>7.24</u>	<u>340</u>	<u>12.6</u>		
<u>916</u>	<u>5</u>	<u>7.21</u>	<u>333</u>	<u>12.5</u>		
<u>922</u>	<u>7.5</u>	<u>7.16</u>	<u>330</u>	<u>12.5</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW - 10</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G/BTEX/MTBE</u>
<u>MW - 10</u>	<u>2</u> x amber	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-Dx w/sg</u>
<u>MW 10</u>	<u>1 500ml Pl.</u>	<u>↓</u>	<u>NP</u>	<u>↓</u>	<u>Diss. Lead</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-1-03 - 10/2/03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: MW-11 Date Monitored: 10/1/03 Well Condition: ok  
 Well Diameter: 2 in.  
 Total Depth: 17.11 ft.  
 Depth to Water: 12.10 ft.  
5.01 xVF 117 = .85 x3 (case volume) = Estimated Purge Volume: 2.5 gal.

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

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 940 Weather Conditions: foggy  
 Sample Time/Date: 955 / Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>943</u>	<u>1</u>	<u>7.27</u>	<u>361</u>	<u>12.4</u>		
<u>946</u>	<u>2.5</u>	<u>7.24</u>	<u>356</u>	<u>12.3</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-11</u>	<u>3</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G/BTEX/WFE</u>
<u>MW-11</u>	<u>2</u> x amber	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-Dx w/sg</u>
<u>MW 11</u>	<u>1</u> 500mL Pl.	<u>↓</u>	<u>NP</u>	<u>↓</u>	<u>Diss: Lead</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_





# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-1-03 - 10/2/03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: MW-12 Date Monitored: 10/1/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 16.13 ft.  
 Depth to Water: 12.12 ft.  
 Volume Factor (VF): 4.01 x .17 = .68 x3 (case volume) = Estimated Purge Volume: 2 gal.

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

Purge Equipment:  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 1005 Weather Conditions: foggy  
 Sample Time/Date: 1020 / Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1008</u>	<u>1</u>	<u>7.34</u>	<u>340</u>	<u>12.5</u>		
<u>1011</u>	<u>2</u>	<u>7.32</u>	<u>331</u>	<u>12.2</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-12</u>	<u>3</u> x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/ <del>MSL</del>
<u>MW-12</u>	<u>2</u> x amber	YES	HCL	LANCASTER	TPH-Dx w/sg
<u>MW 12</u>	<u>1 500ml P.</u>	<u>↓</u>	<u>N/A</u>	<u>↓</u>	<u>Diss. Lead</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-1-03 - 10/2/03 (inclusive)  
 Sampler: BWN

Well ID: MW-13  
 Well Diameter: 2 in.  
 Total Depth: 19.65 ft.  
 Depth to Water: 19.32 ft.

Date Monitored: 10/1/03 Well Condition: OK

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started:	_____ (2400 hrs)
Time Bailed:	_____ (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
Product Transferred to:	_____

Start Time (purge): \_\_\_\_\_  
 Sample Time/Date: 1  
 Purging Flow Rate: \_\_\_\_\_ gpm.  
 Did well de-water? \_\_\_\_\_

Weather Conditions: \_\_\_\_\_  
 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Sediment Description: \_\_\_\_\_  
 If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Insuf. water to sample

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-1-03 - 10/2/03 (inclusive)  
 Sampler: BWN

Well ID: MW-12 Date Monitored: 10/1/03 Well Condition: OK  
 Well Diameter: 2 in.  
 Total Depth: 24.45 ft.  
 Depth to Water: VTA 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.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: \_\_\_\_\_ / \_\_\_\_\_ Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Unable to access car parked over

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-1-03 - 10/2/03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: MW-15 Date Monitored: 10/1/03 Well Condition: OK

Well Diameter: 2 in.

Total Depth: 24.80 ft.

Depth to Water: 9.72 ft.

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

15.08 xVF .17 = 2.5 x3 (case volume) = Estimated Purge Volume: 7.5 gal.

### Purge Equipment:

Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 1030 Weather Conditions: foggy  
 Sample Time/Date: 1100 / Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1038</u>	<u>2.5</u>	<u>7.31</u>	<u>324</u>	<u>12.7</u>		
<u>1046</u>	<u>5</u>	<u>7.26</u>	<u>318</u>	<u>12.6</u>		
<u>1054</u>	<u>7.5</u>	<u>7.20</u>	<u>319</u>	<u>12.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G/BTEX/</u>
<u>MW-15</u>	<u>2</u> x amber	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-Dx w/sg</u>
<u>MW 15</u>	<u>1500 mL pi.</u>	<u>↓</u>	<u>NP</u>	<u>↓</u>	<u>Diss. Lead</u>

### COMMENTS:

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-1-03 - 10/2/03 (inclusive)  
 Sampler: BWN

Well ID: MW-16  
 Well Diameter: 2 in.  
 Total Depth: 24.70 ft.  
 Depth to Water: VTA ft.

Date Monitored: 10/1/03

Well Condition: ok

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

\_\_\_\_\_ xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Unable to access car parked over

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-1-03 - 10/2/03 (inclusive)  
 Sampler: BWN

Well ID: MW-17 Date Monitored: 10/1/03 Well Condition: ok  
 Well Diameter: 2 in.  
 Total Depth: 24.85 ft.  
 Depth to Water: 10.30 ft.  
 $14.55 \times VF \cdot 1.17 = 2.5 \times 3$  (case volume) = Estimated Purge Volume: 7.5 gal.

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

**Purge Equipment:**  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 1110 Weather Conditions: foggy  
 Sample Time/Date: 1140 / Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1117</u>	<u>2.5</u>	<u>7.27</u>	<u>327</u>	<u>12.6</u>		
<u>1124</u>	<u>5</u>	<u>7.22</u>	<u>321</u>	<u>12.4</u>		
<u>1131</u>	<u>7.5</u>	<u>7.18</u>	<u>318</u>	<u>12.3</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-17</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G/BTEX/AMBE</u>
<u>MW-17</u>	<u>2</u> x amber	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-Dx w/sg</u>
<u>MW 17</u>	<u>1 500ml PL-</u>	<u>↓</u>	<u>N/A</u>	<u>↓</u>	<u>Dies. Lead</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-1-03 - 10/2/03 (inclusive)  
 Sampler: BWN

Well ID: RW-2 Date Monitored: 10/1/03 Well Condition: ok  
 Well Diameter: 8 in.  
 Total Depth: 21.40 ft.  
 Depth to Water: 15.05 ft.

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer ✓  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer ✓  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): 1115 Weather Conditions: foggy  
 Sample Time/Date: 1135 / Water Color: clear Odor: no  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? no If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1130</u>	<u>5</u>	<u>7.22</u>	<u>340</u>	<u>12.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>RW-2</u>	<u>3</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G/BTEX/<del>MEBE</del></u>
<u>RW-2</u>	<u>2</u> x amber	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-Dx w/sg</u>
<u>RW-2</u>	<u>1 500 ml Pl.</u>	<u>✓</u>	<u>NP</u>	<u>✓</u>	<u>Diss. Lead</u>

COMMENTS: Due to inaccessible location purged ~ 5 gal

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-1-03 - 10/2/03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: RW-3 Date Monitored: 10/1/03 Well Condition: \_\_\_\_\_  
 Well Diameter: 8 in.  
 Total Depth: \_\_\_\_\_ ft.  
 Depth to Water: \_\_\_\_\_ ft.  
 \_\_\_\_\_ xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

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

**Purge Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: / Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Well is non-existent there is a sewer grate in area

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_





# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577  
 Site Address: 631 Queen Anne North  
 City: Seattle, WA

Job Number: 386765  
 Event Date: 10-1-03 - 10/2/03 (inclusive)  
 Sampler: BWN

Well ID: RW - 4  
 Well Diameter: 8 in.  
 Total Depth: 32.78 ft.  
 Depth to Water: VTA ft.

Date Monitored: 10/1/03 Well Condition: OK

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: / Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sq

COMMENTS: Unable to access car parked over

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #211577 Job Number: 386765  
 Site Address: 631 Queen Anne North Event Date: 10-1-03 - 10/2/03 (inclusive)  
 City: Seattle, WA Sampler: BWN

Well ID: RW-5 Date Monitored: 10/1/03 Well Condition: the large grate filled w/ water  
 Well Diameter: 8 in.  
 Total Depth: 14.25 ft.  
 Depth to Water: 13.29 ft.

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

xVF \_\_\_\_\_ = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

**Purge Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

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

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: / Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
-	x vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
-	x amber	YES	HCL	LANCASTER	TPH-Dx w/sg

COMMENTS: Insufficient water to sample - vault well filled with water

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Size: \_\_\_\_\_

# Chevron Northwest Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only  
 Acct. #: 11260 Sample #: 4139378-403 SCR#: 869977

Facility #: <u>SS#211577 G-R#386765</u> Site Address: <u>631 Queen Anne North, SEATTLE, WA</u> Chevron PM: <u>BH</u> Lead Consultant: <u>SAICLB</u> Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568</u> Consultant Prj. Mgr: <u>Deanna L. Harding (deanna@grinc.com)</u> Consultant Phone # <u>925-551-7555</u> Fax #: <u>925-551-7899</u> Sampler: <u>Ben Newton</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____			Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air <input type="checkbox"/> Composite		<b>Analyses Requested</b> Preservation Codes H = HCl    T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy s on highest hit <input type="checkbox"/> Run ___ oxy s on all hits														
<b>Sample Identification</b>			Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	<input type="checkbox"/> BTEX + MTBE 8021 <input type="checkbox"/> 8260 full scan	<input type="checkbox"/> Naphth	<input checked="" type="checkbox"/> TPHG + BTEX 8021	<input checked="" type="checkbox"/> Extended Prg. <input checked="" type="checkbox"/> Silica Gel Cleanup	<input type="checkbox"/> Lead Total <input type="checkbox"/> Diss. Method	VP/VEPH	MWTPH HClID <input type="checkbox"/> quantification	Comments / Remarks
GA			10-2-03								2			X					
VP 1				815							5			X	X	X			Please filter for dissolved lead * B1
VP 5				845							6			X	X	X			
VP 7				915							6			X	X	X			
VP 8				940							6			X	X	X			
VP 9				1000							4			X	X				
MW 4			10-1-03	815							6			X	X	X			
MW 9				845							6			X	X	X			
MW 10				930							6			X	X	X			
MW 11				955							6			X	X	X			
MW 12				1020							6			X	X	X			
MW 13				1100							6			X	X	X			
MW 17				1140							6			X	X	X			
<b>Turnaround Time Requested (TAT) (please circle)</b>			Relinquished by: <u>Ben Newton</u>			Date	Time	Received by:			Date	Time							
(STD. TAT) 72 hour    48 hour 24 hour    4 day    5 day			Relinquished by: _____			Date	Time	Received by: _____			Date	Time							
<b>Data Package Options (please circle if required)</b>			Relinquished by: _____			Date	Time	Received by: _____			Date	Time							
QC Summary Type VI (Raw Data) WIP (RWQCB) Disk	Type I - Full Disk / EDD Standard Format _____ Other.	Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Other _____			Received by: <u>Matthew George</u>			Date	Time	Custody Seals Intact? <input checked="" type="checkbox"/> Yes    No									
						Temperature Upon Receipt <u>34</u> °C				Date	Time								

# Chevron Northwest Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only  
 Acct. #: 11260 Sample #: 4139378-403 SCR#: 869911

Facility #: <u>SS#211577 G-R#386765</u> Site Address: <u>631 Queen Anne North, SEATTLE, WA</u> Chevron PM: <u>BH</u> Lead Consultant: <u>SAICLB</u> Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568</u> Consultant Prj. Mgr.: <u>Deanna L. Harding (deanna@grinc.com)</u> Consultant Phone #: <u>925-551-7555</u> Fax #: <u>925-551-7899</u> Sampler: <u>Ben Newton</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____				<b>Matrix</b> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Soil <input type="checkbox"/>		<b>Analyses Requested</b>										<b>Preservative Codes</b> H = HCl      T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other <input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm MTBE + Naphthalene <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy s on highest hit <input type="checkbox"/> Run ___ oxy s on all hits																																																															
<b>Sample Identification</b> <u>RW 2</u>				Date Collected: <u>10-7-03</u> Time Collected: <u>1135</u>		Grab <input checked="" type="checkbox"/> Composite <input type="checkbox"/>		Total Number of Containers: <u>6</u>		<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <th colspan="2">Preservation Codes</th> <th colspan="2">Matrix</th> <th colspan="2">Total Number of Containers</th> <th colspan="2">Soil</th> <th colspan="2">Water</th> <th colspan="2">Air</th> <th colspan="2">Naphth</th> <th colspan="2">Oxygenates</th> <th colspan="2">TPHG + BTEX 8021</th> <th colspan="2">TPHD</th> <th colspan="2">Lead Total</th> <th colspan="2">VP/IEPH</th> <th colspan="2">NMTPH/ACID</th> <th colspan="2">quantification</th> </tr> <tr> <td><input type="checkbox"/></td><td>BTEX + MTBE 8021</td> <td><input type="checkbox"/></td><td>8260</td> <td><input type="checkbox"/></td><td>Naphth</td> <td><input type="checkbox"/></td><td>8260 full scan</td> <td><input type="checkbox"/></td><td>Oxygenates</td> <td><input checked="" type="checkbox"/></td><td>TPHG + BTEX 8021</td> <td><input checked="" type="checkbox"/></td><td>TPHD</td> <td><input checked="" type="checkbox"/></td><td>Lead Total</td> <td><input type="checkbox"/></td><td>VP/IEPH</td> <td><input type="checkbox"/></td><td>NMTPH/ACID</td> <td><input type="checkbox"/></td><td>quantification</td> <td><input type="checkbox"/></td><td>quantification</td> <td><input type="checkbox"/></td><td>quantification</td> <td><input type="checkbox"/></td><td>quantification</td> <td><input type="checkbox"/></td><td>quantification</td> </tr> </table>										Preservation Codes		Matrix		Total Number of Containers		Soil		Water		Air		Naphth		Oxygenates		TPHG + BTEX 8021		TPHD		Lead Total		VP/IEPH		NMTPH/ACID		quantification		<input type="checkbox"/>	BTEX + MTBE 8021	<input type="checkbox"/>	8260	<input type="checkbox"/>	Naphth	<input type="checkbox"/>	8260 full scan	<input type="checkbox"/>	Oxygenates	<input checked="" type="checkbox"/>	TPHG + BTEX 8021	<input checked="" type="checkbox"/>	TPHD	<input checked="" type="checkbox"/>	Lead Total	<input type="checkbox"/>	VP/IEPH	<input type="checkbox"/>	NMTPH/ACID	<input type="checkbox"/>	quantification	<input type="checkbox"/>	quantification	<input type="checkbox"/>	quantification	<input type="checkbox"/>	quantification	<input type="checkbox"/>	quantification	<b>Comments / Remarks</b> * Please filter for diss. lead * B/M	
Preservation Codes		Matrix		Total Number of Containers		Soil		Water		Air		Naphth		Oxygenates		TPHG + BTEX 8021		TPHD		Lead Total		VP/IEPH		NMTPH/ACID		quantification																																																					
<input type="checkbox"/>	BTEX + MTBE 8021	<input type="checkbox"/>	8260	<input type="checkbox"/>	Naphth	<input type="checkbox"/>	8260 full scan	<input type="checkbox"/>	Oxygenates	<input checked="" type="checkbox"/>	TPHG + BTEX 8021	<input checked="" type="checkbox"/>	TPHD	<input checked="" type="checkbox"/>	Lead Total	<input type="checkbox"/>	VP/IEPH	<input type="checkbox"/>	NMTPH/ACID	<input type="checkbox"/>	quantification	<input type="checkbox"/>	quantification	<input type="checkbox"/>	quantification	<input type="checkbox"/>	quantification	<input type="checkbox"/>	quantification																																																		
<b>Turnaround Time Requested (TAT) (please circle)</b> STD. TAT <u>24 hour</u> 72 hour      48 hour 24 hour                      4 day                      5 day				Relinquished by: <u>Ben Newton</u> Date: <u>10-7-03</u> Time: <u>1200</u>		Received by: _____ Date: _____ Time: _____		Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____		Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____		Relinquished by: _____ Date: _____ Time: _____		Received by: <u>Deanna Harding</u> Date: <u>10/8/03</u> Time: <u>0900</u>		Temperature Upon Receipt: <u>3-4</u> °C		Custody Seals Intact? <u>Yes</u> No																																																									
<b>Data Package Options (please circle if required)</b> 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: _____		Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____		Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____		Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____		Temperature Upon Receipt: _____ °C		Custody Seals Intact? _____																																																									

## ANALYTICAL RESULTS

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Road  
L4310  
San Ramon CA 94583  
925-842-8582

Prepared by:

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

RECEIVED

OCT 12 2003

GETTLER-RYAN INC  
GENERAL CONTRACTORS

## SAMPLE GROUP

The sample group for this submittal is 869977. Samples arrived at the laboratory on Wednesday, October 08, 2003. The PO# for this group is 99011184 and the release number is HUNTER.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
QA Water Sample	4139378
VP 1 Grab Water Sample	4139379
VP 1 Filtered Grab Water Sample	4139380
VP 5 Grab Water Sample	4139381
VP 5 Filtered Grab Water Sample	4139382
VP 7 Grab Water Sample	4139383
VP 7 Filtered Grab Water Sample	4139384
VP 8 Grab Water Sample	4139385
VP 8 Filtered Grab Water Sample	4139386
VP 9 Grab Water Sample	4139387
MW 4 Grab Water Sample	4139388
MW 4 Filtered Grab Water Sample	4139389
MW 9 Grab Water Sample	4139390
MW 9 Filtered Grab Water Sample	4139391
MW 10 Grab Water Sample	4139392
MW 10 Filtered Grab Water Sample	4139393
MW 11 Grab Water Sample	4139394
MW 11 Filtered Grab Water Sample	4139395
MW 12 Grab Water Sample	4139396
MW 12 Filtered Grab Water Sample	4139397
MW 15 Grab Water Sample	4139398
MW 15 Filtered Grab Water Sample	4139399
MW 17 Grab Water Sample	4139400
MW 17 Filtered Grab Water Sample	4139401
RW 2 Grab Water Sample	4139402
RW 2 Filtered Grab Water Sample	4139403

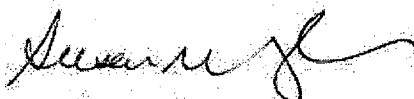
ELECTRONIC    Gettler Ryan  
COPY TO  
1 COPY TO      SAIC

Attn: Michael Sharaeff

Attn: Ms. Deanna Harding

Questions? Contact your Client Services Representative  
Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,



Susan M. Croyle  
Senior Chemist, Coordinator

Lancaster Laboratories Sample No. WW 4139378

 QA Water Sample  
 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/02/2003 00:00

Account Number: 11260

 Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:03  
 Discard: 11/22/2003

 ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08213	BTEX (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
08213	BTEX (8021)	SW-846 8021B	1	10/13/2003 20:03	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/13/2003 20:03	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/13/2003 20:03	Martha L Seidel	n.a.

Lancaster Laboratories Sample No. WW 4139379

**VP 1 Grab Water Sample**

 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/02/2003 08:15 by BN

Account Number: 11260

 Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:03  
 Discard: 11/22/2003

 ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

QANV1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	40,000.	4,300.	ug/l	50
02096	Heavy Range Organics	n.a.	6,300.	5,300.	ug/l	50
	Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.					
08213	BTEX (8021)					
00776	Benzene	71-43-2	56.	1.0	ug/l	5
00777	Toluene	108-88-3	47.	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	22.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	690.	3.0	ug/l	5
	Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	7,600.	250.	ug/l	5
	Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/16/2003 20:54	Devin M Hetrick	50
08213	BTEX (8021)	SW-846 8021B	1	10/15/2003 18:51	Martha L Seidel	5
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/15/2003 18:51	Martha L Seidel	5
01146	GC VOA Water Prep	SW-846 5030B	1	10/15/2003 18:51	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00	Amanda W Herr	1

 #=Laboratory MethodDetection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit





# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 4139380

VP 1 Filtered Grab Water Sample  
Facility# 211577 Job# 386765  
631 Queen Anne North; Seattle, WA  
Collected: 10/02/2003 08:15 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
Reported: 10/22/2003 at 10:03  
Discard: 11/22/2003

ChevronTexaco  
6001 Bollinger Canyon Road  
L4310  
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	31.2	1.2	ug/l	1

State of Washington Lab Certification No. C259  
This sample was filtered in the lab for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 13:40	Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48	Denise K Connors	1

#=Laboratory MethodDetection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. WW 4139381

VP 5 Grab Water Sample

 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/02/2003 08:45 by BN

Account Number: 11260

 Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:03  
 Discard: 11/22/2003

 ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

QANV5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	1,500.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	270.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene	71-43-2	330.	2.0	ug/l	10
00777	Toluene	108-88-3	76.	2.0	ug/l	10
00778	Ethylbenzene	100-41-4	1,000.	2.0	ug/l	10
00779	Total Xylenes	1330-20-7	2,200.	6.0	ug/l	10
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	22,000.	500.	ug/l	10
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECV 97-602(modified)	1	10/16/2003	05:48	Devin M Hetrick	1
08213	BTEX (8021)	SW-846 8021B	1	10/16/2003	03:10	Martha L Seidel	10
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/16/2003	03:10	Martha L Seidel	10
01146	GC VOA Water Prep	SW-846 5030B	1	10/16/2003	03:10	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECV 97-602, 6/97	1	10/09/2003	10:00	Amanda W Herr	1

 #=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit



# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 4139382

VP 5 Filtered Grab Water Sample  
Facility# 211577 Job# 386765  
631 Queen Anne North; Seattle, WA  
Collected: 10/02/2003 08:45 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
Reported: 10/22/2003 at 10:03  
Discard: 11/22/2003

ChevronTexaco  
6001 Bollinger Canyon Road  
L4310  
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	2.4	1.2	ug/l	1

State of Washington Lab Certification No. C259  
This sample was filtered in the lab for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 13:45	Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48	Denise K Connors	1

#=Laboratory Method Detection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. WW 4139383

**VP 7 Grab Water Sample**

Facility# 211577 Job# 386765

631 Queen Anne North; Seattle, WA

Collected: 10/02/2003 09:15 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00

Reported: 10/22/2003 at 10:03

Discard: 11/22/2003

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

QANV7

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	3,800.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	520.	250.	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
08213	BTEX (8021)					
00776	Benzene	71-43-2	10,000.	200.	ug/l	1000
00777	Toluene	108-88-3	4,500.	200.	ug/l	1000
00778	Ethylbenzene	100-41-4	2,000.	200.	ug/l	1000
00779	Total Xylenes	1330-20-7	10,000.	600.	ug/l	1000
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	61,000.	50,000.	ug/l	1000
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/16/2003 03:18	Devin M Hetrick	1
08213	BTEX (8021)	SW-846 8021B	1	10/16/2003 03:45	Martha L Seidel	1000
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/16/2003 03:45	Martha L Seidel	1000
01146	GC VOA Water Prep	SW-846 5030B	1	10/16/2003 03:45	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00	Amanda W Herr	1

 #=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit



# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 4139384

VP 7 Filtered Grab Water Sample  
Facility# 211577 Job# 386765  
631 Queen Anne North; Seattle, WA  
Collected: 10/02/2003 09:15 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
Reported: 10/22/2003 at 10:03  
Discard: 11/22/2003

ChevronTexaco  
6001 Bollinger Canyon Road  
L4310  
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	1.8	1.2	ug/l	1

State of Washington Lab Certification No. C259  
This sample was filtered in the lab for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 13:50	Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48	Denise K Connors	1

#=Laboratory MethodDetection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. WW 4139385

VP 8 Grab Water Sample

Facility# 211577 Job# 386765

631 Queen Anne North; Seattle, WA

Collected: 10/02/2003 09:40 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00

Reported: 10/22/2003 at 10:03

Discard: 11/22/2003

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

QANV8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	19,000.	780.	ug/l	10
02096	Heavy Range Organics	n.a.	2,100.	980.	ug/l	10
08213	BTEX (8021)					
00776	Benzene	71-43-2	3.4	0.5	ug/l	1
00777	Toluene	108-88-3	1.2	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	5.8	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	11.	1.5	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	290.	50.	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/16/2003 07:52	Devin M Hetrick	10
08213	BTEX (8021)	SW-846 8021B	1	10/16/2003 01:52	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/16/2003 01:52	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/16/2003 01:52	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00	Amanda W Herr	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. WW 4139386

VP 8 Filtered Grab Water Sample  
 Facility# 211577 Job# 386765  
 631 Queen Anne North, Seattle, WA  
 Collected: 10/02/2003 09:40 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:03  
 Discard: 11/22/2003

ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	2.4	1.2	ug/l	1

State of Washington Lab Certification No. C259  
 This sample was filtered in the lab for dissolved metals.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 13:55		Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48		Denise K Connors	1

Lancaster Laboratories Sample No. WW 4139387

**VP 9 Grab Water Sample**

Facility# 211577 Job# 386765

631 Queen Anne North; Seattle, WA

Collected: 10/02/2003 10:00 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00

Reported: 10/22/2003 at 10:03

Discard: 11/22/2003

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

QANV9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	5,400.	400.	ug/l	1
02096	Heavy Range Organics	n.a.	1,300.	500.	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.						
08213	BTEX (8021)					
00776	Benzene	71-43-2	5.3	0.5	ug/l	1
00777	Toluene	108-88-3	1.4	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	2.3	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D. #	10.	ug/l	1

Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to the presence of interferents near their retention time, normal reporting limits were not attained for total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.

08274 TPH by NWTPH-Gx waters

01648 TPH by NWTPH-Gx waters n.a. 1,600. 50. ug/l 1

Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/16/2003 04:08		Devin M Hetrick	1
08213	BTEX (8021)	SW-846 8021B	1	10/16/2003 02:35		Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/16/2003 02:35		Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/16/2003 02:35		Martha L Seidel	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit





**Lancaster Laboratories Sample No. WW 4139388**
**MW 4 Grab Water Sample**
**Facility# 211577 Job# 386765**  
**631 Queen Anne North; Seattle, WA**  
**Collected: 10/01/2003 08:15 by BN**
**Account Number: 11260**
**Submitted: 10/08/2003 09:00**  
**Reported: 10/22/2003 at 10:03**  
**Discard: 11/22/2003**
**ChevronTexaco**  
**6001 Bollinger Canyon Road**  
**L4310**  
**San Ramon CA 94583**
**QAN04**

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	3,800.	400.	ug/l	5
02096	Heavy Range Organics	n.a.	N.D. #	500.	ug/l	5
08213	BTEX (8021)					
00776	Benzene	71-43-2	9,700.	10.	ug/l	50
00777	Toluene	108-88-3	11,000.	10.	ug/l	50
00778	Ethylbenzene	100-41-4	2,000.	10.	ug/l	50
00779	Total Xylenes	1330-20-7	12,000.	30.	ug/l	50
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	100,000.	2,500.	ug/l	50
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/16/2003 20:04	Devin M Hetrick	5
08213	BTEX (8021)	SW-846 8021B	1	10/14/2003 01:27	Martha L Seidel	50
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/14/2003 01:27	Martha L Seidel	50
01146	GC VOA Water Prep	SW-846 5030B	1	10/14/2003 01:27	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00	Amanda W Herr	1

Lancaster Laboratories Sample No. **WW 4139389**

**MW 4 Filtered Grab Water Sample**  
 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/01/2003 08:15 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:03  
 Discard: 11/22/2003

ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	7.1	1.2	ug/l	1

State of Washington Lab Certification No. C259  
 This sample was filtered in the lab for dissolved metals.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01055	Lead (furnace method)	SW-846 7421	1	10/16/2003 02:35	Melissa-Ann S McAlpine	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48	Denise K Connors	1

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit

**Lancaster Laboratories Sample No. WW 4139390**
**MW 9 Grab Water Sample**
**Facility# 211577 Job# 386765**
**631 Queen Anne North; Seattle, WA**
**Collected: 10/01/2003 08:45 by BN**
**Account Number: 11260**
**Submitted: 10/08/2003 09:00**
**Reported: 10/22/2003 at 10:03**
**Discard: 11/22/2003**
**ChevronTexaco**
**6001 Bollinger Canyon Road**
**L4310**
**San Ramon CA 94583**
**QAN09**

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	33,000.	4,000.	ug/l	50
02096	Heavy Range Organics	n.a.	N.D. #	5,000.	ug/l	50
08213	BTEX (8021)					
00776	Benzene	71-43-2	110.	4.0	ug/l	20
00777	Toluene	108-88-3	30.	4.0	ug/l	20
00778	Ethylbenzene	100-41-4	100.	4.0	ug/l	20
00779	Total Xylenes	1330-20-7	N.D. #	100.	ug/l	20

Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to the presence of interferents near their retention time, normal reporting limits were not attained for total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.

08274 TPH by NWTPH-Gx waters

01648	TPH by NWTPH-Gx waters	n.a.	3,500.	50.	ug/l	1
-------	------------------------	------	--------	-----	------	---

Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-502(modified)	1	10/16/2003 20:29	Devin M Hetrick	50
08213	BTEX (8021)	SW-846 8021B	1	10/14/2003 04:29	Martha L Seidel	20
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/15/2003 14:43	Martha L Seidel	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. WW 4139390

## MW 9 Grab Water Sample

Facility# 211577 Job# 386765

631 Queen Anne North; Seattle, WA

Collected: 10/01/2003 08:45 by BN

Submitted: 10/08/2003 09:00

Reported: 10/22/2003 at 10:03

Discard: 11/22/2003

Account Number: 11260

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

QAN09						
01146	GC VOA Water Prep	SW-846 5030B	1	10/15/2003 14:43	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00	Amanda W Herr	1

Lancaster Laboratories Sample No. WW 4139391

MW 9 Filtered Grab Water Sample  
 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/01/2003 08:45 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:03  
 Discard: 11/22/2003

ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	3.9	1.2	ug/l	1

State of Washington Lab Certification No. C259  
 This sample was filtered in the lab for dissolved metals.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 14:09	Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48	Denise K Conners	1

Lancaster Laboratories Sample No. WW 4139392

**MW 10 Grab Water Sample**

Facility# 211577 Job# 386765

631 Queen Anne North; Seattle, WA

Collected: 10/01/2003 09:30 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00

Reported: 10/22/2003 at 10:03

Discard: 11/22/2003

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

QAN10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene	71-43-2	2.6	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	0.5	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D. #	3.0	ug/l	1

Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Due to the presence of interferents near their retention time, normal reporting limits were not attained for total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferents.

08274 TPH by NWTPH-Gx waters

01648 TPH by NWTPH-Gx waters n.a. 190. 50. ug/l 1

Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

State of Washington Lab Certification No. C259

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/16/2003 01:39		Devin M Hetrick	1
08213	BTEX (8021)	SW-846 8021B	1	10/14/2003 05:06		Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/15/2003 15:18		Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/14/2003 05:06		Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00		Amanda W Herr	1

#=Laboratory Method Detection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit



# Analysis Report

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

Page 2 of 2

Lancaster Laboratories Sample No. WW 4139392

MW 10 Grab Water Sample

Facility# 211577 Job# 386765

631 Queen Anne North; Seattle, WA

Collected: 10/01/2003 09:30 by BN

Submitted: 10/08/2003 09:00

Reported: 10/22/2003 at 10:03

Discard: 11/22/2003

QAN10

Account Number: 11260

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



Lancaster Laboratories Sample No. WW 4139393

MW 10 Filtered Grab Water Sample  
 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/01/2003 09:30 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:04  
 Discard: 11/22/2003

ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	1.2	ug/l	1

State of Washington Lab Certification No. C259  
 This sample was filtered in the lab for dissolved metals.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 14:14	Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48	Denise K Connors	1

#=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. WW 4139394

MW 11 Grab Water Sample

Facility# 211577 Job# 386765

631 Queen Anne North; Seattle, WA

Collected: 10/01/2003 09:55 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00

Reported: 10/22/2003 at 10:04

Discard: 11/22/2003

ChevronTexaco

6001 Bollinger Canyon Road

L4310

San Ramon CA 94583

QAN11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene	71-43-2	N.D.	0.5	ug/l	1
00777	Toluene	108-88-3	N.D.	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	N.D.	50.	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602 (modified)	1	10/16/2003 02:29	Devin M Hetrick	1
08213	BTEX (8021)	SW-846 8021B	1	10/14/2003 05:42	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/15/2003 15:53	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/14/2003 05:42	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00	Amanda W Herr	1

#=Laboratory Method Detection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting Limit



# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 4139395

MW 11 Filtered Grab Water Sample  
Facility# 211577 Job# 386765  
631 Queen Anne North; Seattle, WA  
Collected: 10/01/2003 09:55 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
Reported: 10/22/2003 at 10:04  
Discard: 11/22/2003

ChevronTexaco  
6001 Bollinger Canyon Road  
L4310  
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	1.2	ug/l	1

State of Washington Lab Certification No. C259  
This sample was filtered in the lab for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 14:19		Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48		Denise K Connors	1

#=Laboratory Method Detection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. WW 4139396

**MW 12 Grab Water Sample**

 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/01/2003 10:20 by BN

Account Number: 11260

 Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:04  
 Discard: 11/22/2003

 ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

QAN12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
02211	TPH by NWTPH-Dx(water) w/SiGel						
02095	Diesel Range Organics	n.a.	470.		250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.		250.	ug/l	1
Due to the nature of the sample matrix, a reduced aliquot was used for analysis. The reporting limits were raised accordingly.							
08213	BTEX (8021)						
00776	Benzene	71-43-2	1.2		0.5	ug/l	1
00777	Toluene	108-88-3	N.D.		0.5	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.		1.5	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.							
08274	TPH by NWTPH-Gx waters						
01648	TPH by NWTPH-Gx waters	n.a.	69.		50.	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.							

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/16/2003	02:54	Devin M Hetrick	1
08213	BTEX (8021)	SW-846 8021B	1	10/14/2003	06:24	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/15/2003	16:31	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/14/2003	06:24	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003	10:00	Amanda W Herr	1

Lancaster Laboratories Sample No. WW 4139397

MW 12 Filtered Grab Water Sample  
 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/01/2003 10:20 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:04  
 Discard: 11/22/2003

ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	1.2	ug/l	1

State of Washington Lab Certification No. C259  
 This sample was filtered in the lab for dissolved metals.

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 14:23	Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48	Denise K Connors	1

Lancaster Laboratories Sample No. WW 4139398

**MW 15 Grab Water Sample**

 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/01/2003 11:00 by BN

Account Number: 11260

 Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:04  
 Discard: 11/22/2003

 ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

QAN15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	410.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene	71-43-2	1,700.	2.0	ug/l	10
00777	Toluene	108-88-3	60.	2.0	ug/l	10
00778	Ethylbenzene	100-41-4	48.	2.0	ug/l	10
00779	Total Xylenes	1330-20-7	110.	6.0	ug/l	10
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	810.	500.	ug/l	10
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/14/2003 02:07	Devin M Hetrick	1
08213	BTEX (8021)	SW-846 8021B	1	10/14/2003 07:02	Martha L Seidel	10
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/15/2003 17:06	Martha L Seidel	10
01146	GC VOA Water Prep	SW-846 5030B	1	10/14/2003 07:02	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00	Amanda W Herr	1



# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 4139399

MW 15 Filtered Grab Water Sample  
Facility# 211577 Job# 386765  
631 Queen Anne North; Seattle, WA  
Collected: 10/01/2003 11:00 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
Reported: 10/22/2003 at 10:04  
Discard: 11/22/2003

ChevronTexaco  
6001 Bollinger Canyon Road  
L4310  
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	1.2	ug/l	1

State of Washington Lab Certification No. C259  
This sample was filtered in the lab for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 13:10		Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48		Denise K Connors	1

#=Laboratory MethodDetection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. WW 4139400

**MW 17 Grab Water Sample**

 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA  
 Collected: 10/01/2003 11:40 by BN

Account Number: 11260

 Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:04  
 Discard: 11/22/2003

 ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

QAN17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	N.D.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene	71-43-2	420.	1.0	ug/l	5
00777	Toluene	108-88-3	69.	1.0	ug/l	5
00778	Ethylbenzene	100-41-4	38.	1.0	ug/l	5
00779	Total Xylenes	1330-20-7	130.	3.0	ug/l	5
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	1,100.	250.	ug/l	5
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602(modified)	1	10/14/2003 02:32	Devin M Hetrick	1
08213	BTEX (8021)	SW-846 8021B	1	10/14/2003 07:38	Martha L Seidel	5
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/15/2003 17:41	Martha L Seidel	5
01146	GC VOA Water Prep	SW-846 5030B	1	10/14/2003 07:38	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00	Amanda W Herr	1

 #=Laboratory Method Detection Limit exceeded target detection limit  
 N.D.=Not detected at or above the Reporting Limit





# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 4139401

MW 17 Filtered Grab Water Sample

Facility# 211577 Job# 386765  
631 Queen Anne North, Seattle, WA

Collected: 10/01/2003 11:40 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00

Reported: 10/22/2003 at 10:04

Discard: 11/22/2003

ChevronTexaco  
6001 Bollinger Canyon Road  
L4310  
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	N.D.	1.2	ug/l	1

State of Washington Lab Certification No. C259  
This sample was filtered in the lab for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01055	Lead (furnace method)	SW-846 7421	1	10/16/2003 02:40	Melissa-Ann S McAlpine	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48	Denise K Connors	1

#=Laboratory Method Detection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories Sample No. WW 4139402

**RW 2 Grab Water Sample**

 Facility# 211577 Job# 386765  
 631 Queen Anne North; Seattle, WA

Collected: 10/01/2003 11:35 by BN

Account Number: 11260

 Submitted: 10/08/2003 09:00  
 Reported: 10/22/2003 at 10:04  
 Discard: 11/22/2003

 ChevronTexaco  
 6001 Bollinger Canyon Road  
 L4310  
 San Ramon CA 94583

QANR2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel					
02095	Diesel Range Organics	n.a.	1,400.	250.	ug/l	1
02096	Heavy Range Organics	n.a.	N.D.	250.	ug/l	1
08213	BTEX (8021)					
00776	Benzene	71-43-2	75.	0.5	ug/l	1
00777	Toluene	108-88-3	7.3	0.5	ug/l	1
00778	Ethylbenzene	100-41-4	29.	0.5	ug/l	1
00779	Total Xylenes	1330-20-7	33.	1.5	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08274	TPH by NWTPH-Gx waters					
01648	TPH by NWTPH-Gx waters	n.a.	2,300.	50.	ug/l	1
Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

State of Washington Lab Certification No. C259

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
02211	TPH by NWTPH-Dx(water) w/SiGel	NWTPH-Dx, ECY 97-602 (modified)	1	10/14/2003 02:57	Devin M Hetrick	1
08213	BTEX (8021)	SW-846 8021B	1	10/15/2003 18:16	Martha L Seidel	1
08274	TPH by NWTPH-Gx waters	TPH by NWTPH-Gx - 8015B Mod.	1	10/15/2003 18:16	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/15/2003 18:16	Martha L Seidel	n.a.
07003	Extraction - DRO (Waters)	NWTPH-Dx, ECY 97-602, 6/97	1	10/09/2003 10:00	Amanda W Herr	1



# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 4139403

RW 2 Filtered Grab Water Sample  
Facility# 211577 Job# 386765  
631 Queen Anne North, Seattle, WA  
Collected: 10/01/2003 11:35 by BN

Account Number: 11260

Submitted: 10/08/2003 09:00  
Reported: 10/22/2003 at 10:04  
Discard: 11/22/2003

ChevronTexaco  
6001 Bollinger Canyon Road  
L4310  
San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01055	Lead (furnace method)	7439-92-1	4.9	1.2	ug/l	1

State of Washington Lab Certification No. C259  
This sample was filtered in the lab for dissolved metals.

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01055	Lead (furnace method)	SW-846 7421	1	10/15/2003 14:33		Jessica L Boyd	1
05704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	10/14/2003 08:48		Denise K Conners	1

#=Laboratory Method Detection Limit exceeded target detection limit  
N.D.=Not detected at or above the Reporting Limit

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 10/22/03 at 10:04 AM

Group Number: 869977

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 032810037A	Sample number(s): 4139379, 4139381, 4139383, 4139385, 4139387-4139388, 4139390, 4139392, 4139394, 4139396							
Diesel Range Organics	N.D.	250.	ug/l	90		46-112		
Heavy Range Organics	N.D.	250.	ug/l					
Batch number: 032810038A	Sample number(s): 4139398, 4139400, 4139402							
Diesel Range Organics	N.D.	250.	ug/l	89	83	46-112	7	20
Heavy Range Organics	N.D.	250.	ug/l					
Batch number: 03286A53A	Sample number(s): 4139378, 4139388, 4139390, 4139392, 4139394, 4139396, 4139398, 4139400							
Benzene	N.D.	.5	ug/l	90	88	75-134	2	30
Toluene	N.D.	.5	ug/l	105	104	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	104	104	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	107	107	82-120	0	30
TPH by NWTPH-Gx waters	N.D.	50.	ug/l	116	112	70-130	4	30
Batch number: 032875704002	Sample number(s): 4139380, 4139382, 4139384, 4139386, 4139389, 4139391, 4139393, 4139395, 4139397, 4139399, 4139401, 4139403							
Lead (furnace method)	N.D.	0.0012	mg/l	98		80-120		
Batch number: 03288B56A	Sample number(s): 4139379, 4139381, 4139383, 4139385, 4139387, 4139390, 4139392, 4139394, 4139396, 4139398, 4139400, 4139402							
Benzene	N.D.	.5	ug/l	100	103	75-134	3	30
Toluene	N.D.	.5	ug/l	99	101	82-119	1	30
Ethylbenzene	N.D.	.5	ug/l	97	100	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	99	102	82-120	2	30
TPH by NWTPH-Gx waters	N.D.	50.	ug/l	89	90	70-130	1	30

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BKG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 032810037A	Sample number(s): 4139379, 4139381, 4139383, 4139385, 4139387-4139388, 4139390, 4139392, 4139394, 4139396							
Diesel Range Organics						N.D.	5 (1)	20
Heavy Range Organics						N.D.	9 (1)	20
Batch number: 032875704002	Sample number(s): 4139380, 4139382, 4139384, 4139386, 4139389, 4139391, 4139393, 4139395, 4139397, 4139399, 4139401, 4139403							
Lead (furnace method)	98	102	80-120	4	20	N.D.	0 (1)	20

### Surrogate Quality Control

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel

\*- Outside of specification

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

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 10/22/03 at 10:04 AM

Group Number: 869977

### Surrogate Quality Control

Batch number: 032810037A  
Orthoterphenyl

4139379	364*
4139381	100
4139383	91
4139385	141
4139387	104
4139388	114
4139390	130
4139392	98
4139394	102
4139396	85
Blank	104
LCS	125

Limits: 50-150

Analysis Name: TPH by NWTPH-Dx(water) w/SiGel  
Batch number: 032810038A  
Orthoterphenyl

4139398	101
4139400	94
4139402	99
Blank	104
LCS	117
LCSD	111

Limits: 50-150

Analysis Name: TPH by NWTPH-Gx waters  
Batch number: 03286A53A

	Trifluorotoluene-P	Trifluorotoluene-F
4139378	106	109
4139388	108	108
4139390	105	
4139392	91	
4139394	99	
4139396	88	
4139398	98	
4139400	99	
Blank	104	108
LCS	106	108
LCSD	104	106

Limits: 66-136 57-146

Analysis Name: TPH by NWTPH-Gx waters  
Batch number: 03288B56A

	Trifluorotoluene-P	Trifluorotoluene-F
4139379	107	101
4139381	115	94
4139383	100	91
4139385	101	95
4139387	133	110
4139390		195*

\*- Outside of specification

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

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 10/22/03 at 10:04 AM

Group Number: 869977

### Surrogate Quality Control

4139392		96
4139394		96
4139396		95
4139398		96
4139400		95
4139402	108	99
Blank	102	93
LCS	99	92
LCSD	101	90

---

Limits: 66-136 57-146

\*- Outside of specification

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

# Explanation of Symbols and Abbreviations

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

<b>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).		
<b>ppm</b>	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.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

### Organic Qualifiers

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

### Inorganic Qualifiers

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

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

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

**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.