

August 12, 2003 Job #386765

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

RE: Event of June 30 and July 1, 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 four wells (VP-4, VP-6, VP-7 (MW-3), 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

Robert C. Mallory Registered Geologist

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

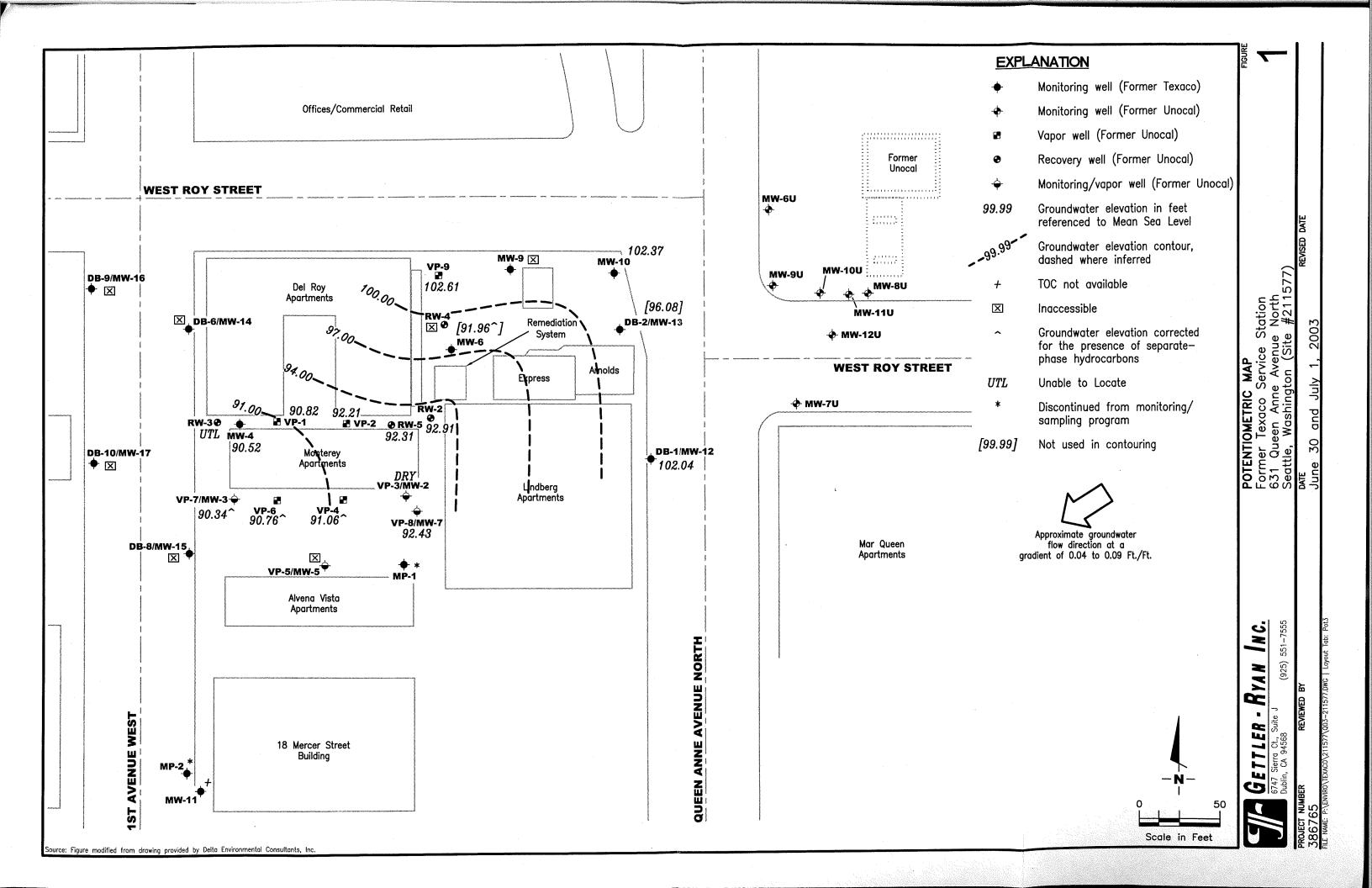


Table 1
Groundwater Monitoring Data and Analytical Results

Former Texaco Service Statio (Site #211577)

631 Queen Anne Avenue North Seattle, Washington

					Seattle, Was	shington					the second second
WELL ID/	DATE	DTW	GWE	SPHT (ft.)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
ГОС* <i>(ft.)</i>		(ft.)	(msl)	(1.1)	GP-/						
											4.600
VP-1			01.44	0.00	18,000 ¹	1,500 ¹	35,000	120	820	280	4,600
103.03	07/24/02	11.59	91.44	0.00	7,500 ¹	598 ^{1,2}	27,300	170	756	334	4,820
	10/17-18/02	12.70	90.33	0.00	14,200 ¹	807 ^{1,2}	36,700	90.5	801	500	6,630
	01/21/03	12.70	90.33		2,830 ¹	<500 ¹	24,200	110	136	225	2,780
	04/23-24/03	11.63	91.40	0.00	20,200 ¹	1,750 ¹	8,000 ⁷	36.8 ⁷	49.2 ⁷	47.1 ⁷	618 ⁷
	06/30-07/01/03	12.21	90.82	0.00	20,200	2,700					
VP-2											
104.72	07/24/02 U	MABLE TO LO	CATE	 .							
104.72	10/17-18/02	13.60	91.12	0.00	NOT SAMPL	ED DUE TO IN	SUFFICIENT V	VATER			
	01/21/03	13.63	91.09	0.00		ED DUE TO IN		VATER		106	1,120
	04/23-24/03	12.15	92.57	0.00	12,100 ¹	<250¹	6,230	549	42.6		510
	06/30-07/01/03	12.51	92.21	0.00	35,900 ¹	1,380 ¹	3,330	180	58.8	32.4	510
VP-3 (MW-2						· ·					
104.75	* –	DRY		·							
	*****	DRY									
	• • •	DRY							·		
		DRY									
	06/30-07/01/03	DRY									
VP-4				0.00	78,000 ¹	<9,700 ⁱ	89,000	7,300	7,500) 1,900	13,000
103.35	07/24/02	11.89	91.46	0.00		<9,700 LED DUE TO T	•	•			
	10/17-18/02	12.75	90.62**			LED DUE TO T					
	01/21/03	12.61	90.82**								
	04/23-24/03	11.72	91.65**			LED DUE TO T					
	06/30-07/01/03	12.31	91.06**	0.03	NOT SAMI	PLED DUE TO	THE PRESEN	CE OF SPH			

Table 1
Groundwater Monitoring Data and Analytical Results

					Souther, Trus					-	***
WELL ID/	DATE	DTW	GWE	SPHT	TPH-D	ТРН-О	TPH-G	В	T	E (ppb)	X (ppb)
TOC* <i>(fl.)</i>		(fi.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppo)	(ppo)
VP-5 (MW-5)				DIED OVE	D WCI I						
102.63	07/24/02	INACCESSIBLE				<500 ¹	15,900	318	49.3	880	1,870
	10/17-18/02	12.31	90.32	0.00	3,900 ¹		13,900	J10 			
	01/21/03	INACCESSIBLE									
		INACCESSIBLE									
	06/30-07/01/03	INACCESSIBL	E - VEHICLE	E PARKED OV	ER WELL						
VP-6					arom a la ante		E PRESENCE OF	CDU			
101.90	07/24/02	10.60	92.56**	1.58							
	10/17-18/02	11.35	91.07**	0.65			E PRESENCE OF				
	01/21/03	11.27	91.93**	1.63			E PRESENCE OF				
	04/23-24/03	10.75	91.27**	0.15			E PRESENCE OF				
	06/30-07/01/03	11.32	90.76**	0.22	NOT SAMPLI	ED DUE TO TH	IE PRESENCE	OF SPH		-	
							•				
VP-7 (MW-3)					1	1		2.222	7.000	1.500	0 200
100.40	07/24/02	9.74	90.66	0.00	5,800 ¹	580 ¹	60,000	8,200	7,000	1,500	8,300
	10/17-18/02	10.57	89.83	0.00	5,160 ¹	510 ^{1,2}	71,600	11,100	5,880	1,940	10,800
	01/21/03	10.29	90.11	0.00	714 ^{1,4}	<500¹	41,600	9,440	1,470	1,360	6,190
	04/23-24/03	INACCESSIBLE	E - VEHICLE	PARKED OVE					- · · · · · ·		
	06/30-07/01/03	10.08	90.34**	0.03	NOT SAMPL	ED DUE TO TI	HE PRESENCE	OF SPH			
	1 1										
VP-8 (MW-7)											
104.88	07/24/02	11.70	93.18	0.00	1,800 ¹	420 ¹	1,500	9.4	9.2	34	50
	10/17-18/02	12.78	92.10	0.00	1,830 ¹	<500 ¹	552	9.75	1.45	4.25	5.73
	01/21/03	12.63	92.25	0.00	1,120 ¹	<500 ¹	1,910	139	291	59.1	216
	04/23-24/03	10.72	94.16	0.00	8001	<500¹	700	65.6	35.7	22.9	69.8
	06/30-07/01/03	12.45	92.43	0.00	939 ¹	<500 ¹	379	2.68	1.57	3.70	4.69

Table
Groundwater Monitoring Data and Analytical Results

Former Texaco Service Statio (Site #211577)

631 Queen Anne Avenue North Seattle, Washington

					Seattle, was				T	E	X
WELL ID/	DATE	DTW	GWE	SPHT	TPH-D	ТРН-О	TPH-G	B (ppb)	(ppb)	(ppb)	(ppb)
TOC* <i>(ft.)</i>		(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(руи)	уруу,	(PPS)	
MW-10	12 1 10 2	12.14	102.14	0.00	320 ¹	600 ¹	240	2.5	< 0.50	<1.0	<1.5
115.28	07/24/02	13.14	102.14	0.00	667 ¹	<500 ¹	490	3.42	< 0.500	1.34	5.00
	10/17-18/02	13.59	101.69	0.00	<250 ¹	<500 ¹	416	3.44	0.550	0.519	3.24
	01/21/03	12.46	102.82	0.00	6	6	<50.0	< 0.500	< 0.500	< 0.500	<1.00
	04/23-24/03	11.76	103.32 102.37	0.00	<250 ¹	< 500 ¹	255	2.01	< 0.500	0.535	2.53
	06/30-07/01/03	12.91	102.37	0.00	200						
MANY 11											.1.5
MW-11	07/24/02	11.16		0.00	<250 ¹	<250 ¹	< 50	< 0.50	< 0.50	< 0.50	<1.5
	10/17-18/02	11.43		0.00	<250 ¹	<500 ¹	< 50.0	< 0.500	< 0.500	< 0.500	<1.00
	01/21/03	11.29		0.00	<250 ¹	<500 ¹	< 50.0	< 0.500	< 0.500	< 0.500	<1.00
	04/23-24/03	11.09		0.00	<250 ¹	<500¹	< 50.0	< 0.500	< 0.500	< 0.500	<1.00
		11.39		0.00	<250 ¹	< 500 ¹	< 50.0	< 0.500	< 0.500	< 0.500	<1.00
	06/30-07/01/03	11.39	-	•••							
DB-1 (MW-12)					1	1	50.0	0.516	0.869	<0.500	<1.00
113.36	10/17-18/02	12.22	101.14	0.00	<250 ¹	<500¹	<50.0	0.516		<0.500	<1.00
	01/21/03	11.72	101.64	0.00	<250 ¹	<500¹	<50.0	< 0.500	< 0.500	< 0.500	<1.00
	04/23-24/03	11.04	102.32	0.00	<250 ¹	<500¹	<50.0	<0.500	< 0.500		26.5
	06/30-07/01/03	11.32	102.04	0.00	1,6901	< 500 ¹	1,040	2.91	1.05	10.0	20.5
DB-2 (MW-13)							NOT THE COURT OF	VATED.			
114.80	10/17-18/02	19.31	95.49	0.00			NSUFFICIENT Y				
	01/21/03	19.01	,,	0.00		ED DUE TO II	NSUFFICIENT \	NAIEK			
•	04/23-24/03		LE - VEHICLE P		RWELL						
	06/30-07/01/03	18.72	96.08	0.00	NOT SAMPL	ED DUE TO	INSUFFICIEN'	I WATER			

 $\begin{tabular}{ll} \textbf{Table 1} \\ \textbf{Groundwater Monitoring Data and Analytical Results} \\ \end{tabular}$

					Seattle, was	migron					
WELL ID/	DATE	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-D (ppb)	ТРН-О <i>(ppb)</i>	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
TOC*(ft.)		()1.)	(mos)	9.9							
VP-9											
112.35	07/24/02	INACCESSII	BLE - VEHICLE PA	RKED OVER	WELL					0.06	14.7
112.55	10/17-18/02	11.90	100.45	0.00	13,200	786 ^{1,2}	1,910	11.3	2.62	8.86	14.7
	01/21/03		BLE - VEHICLE PA	RKED OVER	WELL						<1.00
	04/23-24/03	8.28	104.07	0.00	<250 ¹	<500 ¹	<50.0	< 0.500	< 0.500	< 0.500	3.28
	06/30-07/01/03	9.74	102.61	0.00	<250 ¹	<500 ¹	681	1.22	0.735	5.07	3.20
MW-4											11.000
102.07	07/24/02	11.18	90.89	0.00	10,000¹	680 ¹	83,000	11,000	9,900	1,800	11,000
102.07	10/17-18/02	11.98	90.09	0.00	9,860 ¹	697 ^{1,2}	110,000	14,500	11,600	2,630	15,200
((D) 10/17-18/02				7,100 ¹	<500¹	92,400	12,400	9,980	2,090	12,200
,	01/21/03	11.81	90.26	0.00	2,540 ^{1,5}	<500 ¹	80,000	10,700	10,100	1,920	11,700
	04/23-24/03	11.03	91.04	0.00	1,6801	<500 ¹	79,300	8,990	7,350	1,780	10,300
	06/30-07/01/03	11.55	90.52	0.00	3,9101	<500 ¹	108,000	12,100	11,200	2,630	15,300
BANN C											
MW-6	07/24/02	19.76	93.56	0.00	29,000 ¹	<10,0001	31,000	8,900	1,600	820	4,200
113.32	10/17-18/02	20.64	92.72**	0.05	·	ED DUE TO THE	E PRESENCE O	F SPH			
	01/21/03	21.71	91.63**	0.03		ED DUE TO THE					
	04/23-24/03	20.88	92.46**	0.03		ED DUE TO THE					
	06/30-07/01/03	21.38	91.96**	0.03	NOT SAMPL	ED DUE TO TH	HE PRESENCE	OF SPH			
MW-9											
114.27	10/17-18/02	20.88	93.39	0.00	43,600 ¹	671 ^{1,2}	6,380	493	13.0	230	107
a & leaver	01/21/03		BLE - VEHICLE PA			·			**		·
	04/23-24/03	20.04	94.23	0.00	3,680 ¹	<500 ¹	6,760	388	15.9	277	105
			BIBLE - VEHICLE		· ·						 ·

Table .

Groundwater Monitoring Data and Analytical Results

Former Texaco Service Statio (Site #211577)

631 Queen Anne Avenue North

					Scarce, "	8					***
CONTROL STORY	DATE	DTW	GWE	SPHT	TPH-D	ТРН-О	TPH-G	В	T	E	X
WELL ID/	DAIL	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
TOC*(fi.)		gry	(mst)	0.50	M. F. Zin						
DB-6 (MW-14)											
101.64	10/17-18/02			 ,	,	 1		9,900 ³	4,930 ³	$1,540^3$	$6,020^3$
101.07	11/14/02	11.88	89.76	0.00	4,710 ¹	<500 ¹	$43,100^3$				
	01/21/03	INACCESSIBLE	E - VEHICLE F	PARKED OVER	WELL						
	04/23-24/03	INACCESSIBLE	- VEHICLE F	ARKED OVER	WELL						
	06/30-07/01/03	3 INACCESSIBL	E - VEHICLE	PARKED OV	ER WELL						
DB-8 (MW-15)		•					**	 .			
99.03	10/17-18/02				780¹	<500 ¹	3,280	1,640	5.23	5.06	<10.0
	11/14/02	9.44	89.59	0.00	<250 ¹	<500 ¹	<50.0	< 0.500	< 0.500	< 0.500	<1.00
	01/21/03	9.29	89.74	0.00							
	04/23-24/03	INACCESSIBLE	E - VEHICLE	PARKED OVER	WELL						
	06/30-07/01/0	3 INACCESSIBL	E - VEHICLI	E PARKED OV	ER WELL						
							•				
DB-9 (MW-16)											
101.83	10/17-18/02				 1			<0.500	<0.500	< 0.500	<1.00
	11/14/02	12.36	89.47	0.00	<250¹	<500 ¹	<50.0		< 0.500	< 0.500	<1.00
	01/21/03	11.88	89.95	0.00	<250 ¹	<500 ¹	<50.0	<0.500			
	04/23-24/03										
	06/30-07/01/0	3 INACCESSIBL	Æ - VEHICLÌ	E PARKED OV	ER WELL						
DB-10 (MW-17)											
99.29	10/17-18/02										
99.29	11/14/02	10.00	89.29	0.00	<250 ¹	<500 ¹	2,780	569	31.0	91.1	250
	01/21/03	9.62	89.67	0.00	<250 ¹	<500¹	<50.0	< 0.500	< 0.500	< 0.500	<1.00
	04/23-24/03										
		3 INACCESSIBL									
	00/30-0//U1/C	5 INACCESSIBI	LE - VERICE	E I ARRED O	LIK WELL						

Table 1
Groundwater Monitoring Data and Analytical Results

Former Texaco Service Statio (Site #211577) 631 Queen Anne Avenue North

						Seattle, wash	ingion					
WELL ID/ TOC*(fi.)		DATE	DTW (fi.)	GWE (msl)	SPHT (ft.)	TPH-D <i>(ppb)</i>	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E <i>(ppb)</i>	X (ppb)
100-(ji.)			04-2	(msi)	.0-2							
RW-2												
106.63		07/24/02	UNABLE TO LOC	ATE	***						29.2	31.5
	NP	10/17-18/02	14.44	92.19	0.00	9881	<500¹	1,380	90.5	8.05	1.28	4.11
	NP	01/21/03	10.61	96.02	0.00	<250 ¹	<500 ¹	126	33.5	0.859	0.642	2.64
		04/23-24/03	10.30	96.33	0.00	<250 ¹	<500¹	55.7	< 0.500	<0.500		43.2
		06/30-07/01/03	13.72	92.91	0.00	505¹	<500 ¹	2,380	53.5	8.72	39.8	43.2
RW-3												
100.70		07/24/02	UNABLE TO LOC	ATE								
100.70		10/17-18/02	UNABLE TO LOC		<u></u>							
		01/21/03	UNABLE TO LOC									
		04/23-24/03	UNABLE TO LOC									
			UNABLE TO LO									
		00,20 0,702,70						•				
RW-4												
110.82		07/24/02	18.30	92.52	0.00	15,000 ¹	<2,000¹	990	62	1.3	32	7.0
		10/17-18/02	19.29	91.53	0.00	8,930 ¹	939 ¹	3,160	59.8	2.50	40.4	15.6
		01/21/03	17.88	92.94	0.00	2,830 ¹	<500 ¹	689	0.991	< 0.500	2.37	7.03
		04/23-24/03	INACCESSIBLE -	VEHICLE !	PARKED OVER	WELL		***				
		06/30-07/01/03	3 INACCESSIBLE	- VEHICLI	E PARKED OVE	CR WELL				, we want		
RW-5												
104.22		07/24/02	UNABLE TO LOC	ATE	***							
107.22		10/17-18/02	12.63	91.59	0.00	84,900¹	3,650 ¹	3,370	696	67.2	63.0	408
	NP		11.81	92.41	0.00	1,860 ¹	<500 ¹	493	17.1	4.43	1.37	52.9
	111	04/23-24/03	11.31	92.91	0.00	2,0501	<500 ¹	2,490	9.73	13.4	<5.00	870
		06/30-07/01/03		92.31	0.00	8,010 ¹	<500 ¹	2,170	34.6	20.3	8.10	1,050
		00/30-0//01/03	3 11.91	94.31	0.00	0,010	\300	2,170	34.0	20.5	0.10	1,050

Table 1 Groundwater Monitoring Data and Analytical Results

Former Texaco Service Statio (Site #211577)

631 Queen Anne Avenue North

WELL ID/ TOC* <i>(fl.)</i>	DATE	DTW (ft.)	GWE (msl)	SPHT (ft.)	TPH-D (ppb)	TPH-O (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)
MP-1	07/24/02 10/17-18/02 NOT MONITOR	INACCESIBLE - INACCESIBLE - RED/SAMPLED	UNABLE TO UNABLE TO	OPEN WELL OPEN WELL		 		 	 	 	
MP-2	10/17-18/02	INACCESIBLE - RED/SAMPLED	- CAR PARKE 	D OVER WELL 		·	 	 	 	 	
Trip Blank							<50	< 0.50	<0.50	<0.50	<1.5
QA	07/24/02						<50.0	< 0.500	< 0.500	< 0.500	<1.00
~	10/17-18/02				'		<50.0	<0.500	< 0.500	< 0.500	<1.00
	11/14/02	~-						~0.500 	~-		'
	01/21/03						 <50.0	<0.500	< 0.500	< 0.500	<1.00
	04/23-24/03						<50.0	<0.500	<0.500	< 0.500	<1.00
	06/30-07/01/03				-		<50.0	~0.500	10.500	V.2 * *	
		٠.								1 E	v

	TPH-D	ТРН-О	TPH-G	В	T	E	X
		250	50.0	0.500	0.500	0.500	1.00
Standard Laboratory Reporting Limits:	250	250		0.500			1,000
MTCA Method A Cleanup Levels:	500	500	800/1,000	5	1,000	700	1,000
Current Method:		D Extended		NWTI	PH-G and EPA	8021B	

Groundwater Monitoring Data and Analytical Results

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

EXPLANATIONS:

TOC = Top of Casing

TPH-G = Total Petroleum Hydrocarbons as Gasoline

-- = Not Measured/Not Analyzed

(ft.) = Feet

B = Benzene

QA = Quality Assurance/Trip Blank

DTW = Depth to Water

T = Toluene

NP = No Purge

GWE = Groundwater Elevation

E = Ethylbenzene

MTCA = Model Toxics Control Act Cleanup Regulations

(msl) = Mean Sea Level

X = Xylenes

[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 due to the presence of SPH; correction factor: [(TOC DTW) + (SPHT x 0.8)].
- Analysis with silica gel cleanup.
- Laboratory report indicates the heavy oil range organics present are due to hydrocarbons eluting primarily in the diesel range.
- Laboratory report indicates this sample was received and analyzed unpreserved.
- Laboratory report indicates results in the diesel organics range are primarily due to overlap from a gasoline range product.
- Laboratory report indicates the sample chromatographic pattern does not resemble the fuel standard used for quantitation.
- Sample broke during transport to laboratory.
- Laboratory report indicates this sample was analyzed outside of our recommended holding time. See case narrative.

Table 2
Separate Phase Hydrocarbon Thickness/Removal Data

		Seattle, washi	ii Gtoii	
WELL ID	DATE	DTW (fi.)	SPH THICKNESS (fl.)	AMOUNT BAILED (SPH + WATER) (gallons)
<u>a di 1965, 115 Maday Sang Masa.</u>				0.00
VP-4	10/17-18/02	12.75	0.03	0.00
	01/21/03	12.61	0.10	0.00
	04/23-24/03	11.72	0.03	0.00
	06/30-07/01/03	12.31	0.03	0.00
	07/24/02	10.60	1.58	0.00
VP-6	07/24/02 10/17-18/02	11.35	0.65	0.00
	01/21/03	11.27	1.63	0.00
	04/23-24/03	10.75	0.15	0.00
	06/30-07/01/03	11.32	0.22	0.00
VP-7	06/30-07/01/03	10.08	0.03	0.00
MW-6	10/17-18/02	20.64	0.05	0.00
111 11-0	01/21/03	21.71	0.03	0.00
	04/23-24/03	20.88	0.03	0.00
	06/30-07/01/03	21.38	0.03	0.00

EXPLANATIONS:

DTW = Depth to Water

(ft.) = Feet

SPH = Separate Phase Hydrocarbons

Table 3
Groundwater Analytical Results - SVOC and PAH

				Scattle, was	-				
WELL ID	DATE	ලී 2-Methylnaphthalene	(qdd) 2,4-Dimethylphenol	(999) (q. Naphthalene	(dedd)	(g 2::Methylphenol	(gdd)) 4- Methylphenol	(d bis (2-Ethylhexyl) phthalate	Benzoic acid
VP-1	7/24/2002	84	80	160	ND	13	18	31	<10
VP-2	7/24/2002	UNABLE TO LOC	ATE						
VP-5 (MW-5)	7/24/2002	INACCESSIBLE -	VEHICLE PARK	ED OVER WELL					
VP-7 (MW-3)	7/24/2002	69	28	420	ND	<5.0	6	<10	34
VP-8 (MW-7)	7/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<10	<10
VP-9	7/24/2002	INACCESSIBLE -	VEHICLE PARK	ED OVER WELL					.
MW-4	7/24/2002	160	24	500	ND	6	9	<10	<10
MW-10	7/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	13	<10
MW-11	7/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<10	<10

Table 3
Groundwater Analytical Results - SVOC and PAH

					asnington			halate		
WELL ID	DATE	gd 2-Methylnaphthalene	(gd 2,4-Dimethy(phenol	(gād)	(dag)	ම් 2-Methylphenol	र्व 4- Methylphenol	(qdd) bis-(2-Ethylhexyl) phthalate	(gd Benzoic acid	
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 ¹	<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 ¹	<50.0	 <20.0	
RW-4	7/24/2002	<5.0	<5.0	<5.0	ND	<5.0	<5.0	<10	<10	

Groundwater Analytical Results - SVOC and PAH

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

EXPLANATIONS:

(ppb) = Parts per billion

-- = Not Analyzed

ND = Not Detected

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 Statio (Site #211577)

631 Queen Anne Avenue North Seattle, Washington

								Seam	e, wasni	ngion					100.11					
WELL UD/	DATE	(dgg)	(g cis-1,2-Dichloroethene	Benzene	Tolnene (dqq()	(d Ethylbenzene	dd Tetrachloroethene (g	(g Trichloroethene	(g m+p-Xylene	o-Xylene	(qdd) (qdd)	d n-Propylbenzene	d 1,3,5-Trimethylbenzene	dd 1,2,4-Trimethylbenzene	(d. sec-Butylbenzene	d p-Isopropyltoluene	d n-Butylbenzene	d Naphthalene	(g Methyl t-butyl ether	(dd) t-Butyl alcohol
VP-3 (MW-2)	07/24/02	DRY									- "					 				
VP-5 (MW-5)	07/24/02	INACC	ESSIBLE	E - VEHIO	CLE PAR	KED O	VER W	ELL									- 			
VP-7 (MW-3)	10/17-18/02				- -								- -						<10.0	<100
VP-9	07/24/02	INACC	ESSIBLE	E - VEHÍ	CLE PAF	RKED O	VER W	ELL												;-
MW-4	07/24/02 10/17-18/02	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 <50.0	120 <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	2 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

Groundwater Analytical Results - SVOC

Former Texaco Service Statio (Site #211577)

631 Queen Anne Avenue North Seattle, Washington

WELL ID/	DATE	(9dd) Chloroform	d) g, cis-1,2-Dichloroethene	Benzene (dqq)	(ddd)	(dqq)	(gd) Tetrachloroethene	(dqq)	(m+p-Xylene	o-Xylene (ppb)	(dedd)	(n-Propylbenzene	3).5-Trimethylbenzene	(qdd) (qdd).2,4-Trimethylbenzene	(dec-Butylbenzene	(qdd) p-Isopropyltoluene	(d n-Butylbenzene	(dad)	(dad) Methyl t-butyl ether	dd t-Butyl alcohol
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

Groundwater Analytical Results - SVOC

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

EXPLANATIONS:

(ppb) = Parts per billionSVOC = Volatile Organic Compounds-- = Not AnalyzedND = 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 Statio (Site #211577)

631 Queen Anne Avenue North Seattle, Washington

				Seattle, wa	Simigion				
WELL ID/	DATE	MERCURY	ARSENIC	CADMIUM	CHROMIUM	LEAD	SELENIUM	SILVER	BARIUM TR
WELLID		(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
<u> </u>	<u> </u>								
VP-1	07/24/02					22.9			
V 1 - 1	10/17-18/02			. 		18.0			
	01/21/03					47.1			
	04/23-24/03					36.4 ²			
	06/30-07/01/03					13.2^2			
	00/20 0//02/02								
VP-2	07/24/02	UNABLE TO LO	CATE						
	10/17-18/02		DUE TO INSUFFIC	CIENT WATER					
	01/21/03		DUE TO INSUFFIC					- -	
	04/23-24/03		·	·		1.52^{2}		~-	
	06/30-07/01/03					3.97^2		-	
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							
								*.	
VP-4	07/24/02			w		28.0			
	10/17-18/02	NOT SAMPLED	DUE TO THE PRE	SENCE OF SPH					
	01/21/03	NOT SAMPLED	DUE TO THE PRE	SENCE OF SPH					
	04/23-24/03	NOT SAMPLED	DUE TO THE PRE	SENCE OF SPH				- <u>-</u>	
	06/30-07/01/03	NOT SAMPLEI	DUE TO THE PR	ESENCE OF SPH				week.	
VP-5 (MW-5)	07/24/02	INACCESSIBLE	- VEHICLE PARK	ED OVER WELL					
	10/17-18/02					2.29			
	01/21/03	INACCESSIBLE	- VEHICLE PARK	ED OVER WELL					
	04/23-24/03	INACCESSIBLE	- VEHICLE PARK	ED OVER WELL					
	06/30-07/01/03	INACCESSIBL	E - VEHICLE PAR	KED OVER WELL			***		

Ta

Groundwater Analytical Re-

- Dissolved Metals

Former Texaco Service > (Site #211577)

631 Queen Anne Avenue North

WELL ID/	DATE	MERCURY	ARSENIC (ppb)	CADMIUM (ppb)	CHROMIUM (ppb)	LEAD (ppb)	SELENIUM (ppb)	SILVER (ppb)	BARIUM TR (ppb)
		(ppb)	(PPO)	VP*				•	
ND C	07/24/02	NOT SAMPLED - D	UE TO PRESEN	ICE OF SPH					
VP-6	10/17-18/02	NOT SAMPLED DU							
	01/21/03	NOT SAMPLED DU	IF TO THE PRE	SENCE OF SPH					
	04/23-24/03	NOT SAMPLED DU	IF TO THE PRE	SENCE OF SPH					
	06/30-07/01/03	NOT SAMPLED D	UE TO THE PR	ESENCE OF SPH			equi-mar		
	00,50 07702700								
un = (3433/ 2)	07/24/02	< 0.079	97.3	< 0.080	2.2	25.0	<1.1	0.068	33.6
VP-7 (MW-3)	10/17-18/02				 ,	2.40			
	01/21/03					<1.00			.
	04/23-24/03	INACCESSIBLE - V	EHICLE PARK	ED OVER WELL					
	06/30-07/01/03							· 	
	00/30-07/01/02	11012							
VP-8 (MW-7)	07/24/02	< 0.079	2.1	0.13	0.82	11.4	<1.1	< 0.050	49.6
V F-6 (IVI VV-7)	10/17-18/02			air ne		1.93			
	01/21/03	4 F		~~	 .	8.33			
	04/23-24/03					3.73^{2}			
	06/30-07/01/03					2.06 ²		W-#F	Na 744
								*	
VP-9	07/24/02	INACCESSIBLE -	VEHICLE PARK	ED OVER WELL					
	10/17-18/02				~~	<1.00	~-		
	01/21/03	INACCESSIBLE -	VEHICLE PARK	CED OVER WELL		 -1.00 ²			
	04/23-24/03					<1.00 ² <1.00 ²			
	06/30-07/01/03	·			65.11	<1.00			
				0.000	10.00	15.5	~1.1	<0.050	63.8
MW-4	07/24/02	< 0.079	31.0	<0.080	<0.28	15.5	<1.1	<0.050	03.0
	10/17-18/02					10.7			
	(D) 10/17-18/02					9.61			
	01/21/03					14.5			
	04/23-24/03					5.74 ²			
	06/30-07/01/03					7.85 ²			

Table 5 Groundwater Analytical Results - Dissolved Metals

Former Texaco Service Statio (Site #211577)

631 Queen Anne Avenue North Seattle, Washington

	BARR	MERCURY	ARSENIC	CADMIUM	CHROMIUM	LEAD	SELENIUM	SILVER	BARIUM TR
WELL ID/	DATE	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
		(բբս)	(PP-)						
	07/24/02					5.1	~~		
MW-6	10/17-18/02	NOT SAMPLED DU	E TO THE PRE	SENCE OF SPH	-	···			
		NOT SAMPLED DU	E TO THE PRE	SENCE OF SPH					
	01/21/03	NOT SAMPLED DU	E TO THE PRE	SENCE OF SPH					
	04/23-24/03	NOT SAMPLED DO	UE TO THE PR	ESENCE OF SPH					
	06/30-0//01/03	NOT SAMILED D	D 10 1112 11.						
	10/17-18/02					2.66			
MW-9	01/21/03	INACCESSIBLE - V	THICLE PARK	ED OVER WELL					
	04/23-24/03	INACCESSIBLE - V				1.31 ²	· 		
	06/30-07/01/03	INACCESSIBLE -		KED OVER WELL					
	00/30-0//01/03	MACCESSIBEE	V DIII CDD I						
MW-10	07/24/02	< 0.079	4.1	0.17	0.38	1.3	<1.1	< 0.050	52.1
IVI VV-10	10/17-18/02	-0.079				<1.00	 .		
	01/21/03				** ***	<1.00			
	04/23-24/03					$<1.00^{2}$		**	
	06/30-07/01/03					$<1.00^{2}$			
	00/30 0 // 01/03								
MW-11	07/24/02					<1.2			
1/1 //-11	10/17-18/02	vani side				<1.00			
	01/21/03					<1.00			
	04/23-24/03					$<1.00^{2}$			
	06/30-07/01/03					$<1.00^{2}$			
	00/30-07/01/03								
		•							
DB-1 (MW-12)	01/21/03					<1.00			
(04/23-24/03		. 			<1.00 ²			
	06/30-07/01/03				***	<1.00 ²			
	00/30-07/01/03					****			

Groundwater Analytical Results - Dissolved Metals

Former Texaco Service Statio (Site #211577) 631 Queen Anne Avenue North

				Seattle, Was	shington				
WELL ID/	DATE	MERCURY (ppb)	ARSENIC (ppb)	CADMIUM (ppb)	CHROMIUM (ppb)	LEAD (ppb)	SELENIUM (ppb)	SILVER (ppb)	BARIUM TR (ppb)
		(руб)	(PPs)						
DB-2 (MW-13)	01/21/03	NOT SAMPLED DU	E TO INSUFF	ICIENT WATER					
DB-2 (MW-13)	04/23-24/03	INACCESSIBLE - V	EHICLE PARI	KED OVER WELL					
	06/30-07/01/03	NOT SAMPLED DU	JE TO INSUF	FICIENT WATER					
	00/30-0//01/03	THO I BIRMINI ELECTION							
					<1.00	1.82	1.48	<1.00	18.4
DB-6 (MW-14)	11/14/02	<1.00	17.0	<1.00	<1.00	1.02			
,	01/21/03	INACCESSIBLE - V	EHICLE PAR	KED OVER WELL					
	04/23-24/03	INACCESSIBLE - V	EHICLE PAR	KED OVER WELL					
	06/30-07/01/03	INACCESSIBLE - `	VEHICLE PA	RKED OVER WELL					
				4.00	<1.00	1.04	<1.00	<1.00	<10.0
DB-8 (MW-15)	11/14/02	<1.00	1.33	<1.00	<1.00	<1.00			
	01/21/03		_ _			~1.00 			
	04/23-24/03	INACCESSIBLE - V	EHICLE PAR	KED OVER WELL					
	06/30-07/01/03	INACCESSIBLE -	VEHICLE PA	RKED OVER WELL		. -			
	11/14/02					<1.00			
DB-9 (MW-16)	01/21/03					<1.00			
	04/23-24/03	INACCESSIBLE - V	/FHICLE PAR	KED OVER WELL				·	
	06/30-07/01/03	INACCESSIBLE -	VEHICLE PA	ARKED OVER WELL					
DB-10 (MW-17)	11/14/02	 -				<1.00			
DD-10 (!!! !! 1/)	01/21/03					<1.00	:		
	04/23-24/03	INACCESSIBLE -	VEHICLE PAI	RKED OVER WELL					
	06/30-07/01/03			ARKED OVER WELL					
RW-2	07/24/02	UNABLE TO LOC	ATE			2 22	~-		
	10/17-18/02					2.23			
	01/21/03					<1.00			**
	04/23-24/03					$<1.00^{2}$			
	06/30-07/01/03					1.43 ²			

Table 5 Groundwater Analytical Results - Dissolved Metals

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

WELL ID/	DATE	MERCURY A	RSENIC (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 LOCAT							
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	<u></u>				<1.00			
	04/23-24/03	INACCESSIBLE - VEH	ICLE PARI	KED OVER WELL					
	06/30-07/01/03	INACCESSIBLE - VE			***		****	· 	
	00,00								
RW-5	07/24/02	UNABLE TO LOCATE			de de	, 	, 	. 	
	10/17-18/02			<u>***</u>		3.91			
	01/21/03					13.3		**	
	04/23-24/03			_+	***	7.31 ²			
	06/30-07/01/03			<u></u>		1.98 ²			
	00/20-0//01/03								

Groundwater Analytical Results - Dissolved Metals

Former Texaco Service Statio (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

- Organic Lead was <300 ppb.
- ² Laboratory report indicates this sample was laboratory filtered.

Groundwater Analytical Results - Oxygenate Compounds

Former Texaco Service Statio (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.

Vell ID Vell Diameter Total Depth Depth to Water Purge Equipment: Sta Sur Green	I Queen Anne I attle, WA IP - I I 8 in. H. 58 ft. 2.21 ft. Sposable Bailer ainless Steel Bailer ack Pump ction Pump undfos her: I 230	We Hyd Thi	II Condition: drocarbon ckness: Volume Factor (VF	x3 (case volume) = E Sampling Equipment:	Amount Bailed (product/water): 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 stimated Purge Volume: Disposable Bailer Pressure Bailer Discrete Bailer Other:	gal. 3*= 0.38 12*= 5.80	(inclusi
Vell ID Vell Diameter Total Depth Depth to Water Purge Equipment: Sta Sur Green	attle, WA P -	We Hyd Thi	Il Condition: drocarbon ckness: Volume Factor (Vf	### 1.002 ## 0.002 ## 0.66 x3 (case volume) = E Sampling Equipment:	Amount Bailed (product/water): 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 stimated Purge Volume: Disposable Bailer Pressure Bailer Discrete Bailer	3"= 0.38 12"= 5.80	
Vell ID Vell Diameter Total Depth Depth to Water Purge Equipment: Sta	p - 1 1 8 in. 1.58 ft. 2.21 ft. 2.21 ft. 2.21 ft. 2.21 ft. 2.21 ft. 2.21 ft. 2.21 ft. 2.21 ft.	Hyc Thi	drocarbon ckness: Volume Factor (VF	ft. 3/4"= 0.02 4"= 0.66 x3 (case volume) = E Sampling Equipment:	(product/water): 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 stimated Purge Volume: Disposable Bailer Pressure Bailer Discrete Bailer	3"= 0.38 12"= 5.80	
Vell Diameter Total Depth Depth to Water Purge Equipment: Sta Sta Sur Gre	posable Bailer ack Pump ction Pump undfos her:	Hyc Thi	drocarbon ckness: Volume Factor (VF	ft. 3/4"= 0.02 4"= 0.66 x3 (case volume) = E Sampling Equipment:	(product/water): 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 stimated Purge Volume: Disposable Bailer Pressure Bailer Discrete Bailer	3"= 0.38 12"= 5.80	
Purge Dis Star Star Sur Gri	4.58 ft. 2.2.1 ft. 2.37 xVF sposable Bailer ainless Steel Bailer ack Pump ction Pump undfos her:	Thi	Volume Factor (VF	3/4"= 0.02 4"= 0.66 x3 (case volume) = E Sampling Equipment:	(product/water): 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 stimated Purge Volume: Disposable Bailer Pressure Bailer Discrete Bailer	3"= 0.38 12"= 5.80	
Purge Dis Star Star Sur Gri	posable Bailer ainless Steel Bailer ack Pump ction Pump undfos her:	<u>\J</u>	Volume Factor (VI	3/4"= 0.02 4"= 0.66 x3 (case volume) = E Sampling Equipment:	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 stimated Purge Volume: Disposable Bailer Pressure Bailer Discrete Bailer	3"= 0.38 12"= 5.80	
Purge Dis Equipment: Sta Sta Sur Gri	posable Bailer sinless Steel Bailer ack Pump ction Pump undfos her:		Factor (Vf	Sampling Equipment:	stimated Purge Volume: Disposable Bailer Pressure Bailer Discrete Bailer	12"= 5.80	
Equipment: Sta Sta Su Gri	sposable Bailer ainless Steel Bailer ack Pump ction Pump undfos her:		= 11-	x3 (case volume) = E Sampling Equipment:	stimated Purge Volume: Disposable Bailer Pressure Bailer Discrete Bailer		
Equipment: Sta Sta Su Gri	sposable Bailer ainless Steel Bailer ack Pump ction Pump undfos her:			Sampling Equipment:	Disposable Bailer _ Pressure Bailer _ Discrete Bailer _	<u>J</u>	
Equipment: Sta Sta Su Gri	ainless Steel Bailer ack Pump ction Pump undfos her:		er Conditions	Equipment:	Pressure Bailer Discrete Bailer	<u>v</u>	<u> </u>
Sta Su Gri	ack Pump ction Pump undfos her:		er Conditions		Discrete Bailer		
Su Gr	ction Pump undfos her:	Weathe	er Conditions		-		
Gri	undfos her:	Weathe	er Conditions		Other:		
	her:	Weathe	er Conditions		,		2 112
Otl		Weathe	r Conditions	· SUNN	,		-
	1230	Weathe	r Conditions	· SUNN	7		
Start Time (purge): Sample Time/Date: Purging Flow Rate:	(245 1 gpm.	Sedimen	Water Color t Description			yes	•
Did well de-water?	<u>NO</u> If yo	es, Time:		_ Volume:	gal.		
Time (2400 hr.)	Volume pł (gal.)		Conductivity (u mhos/cm)	Temperature (C//)	D.O. (mg/L)	ORP (mV)	
1233	-5 6.8	39 -	320	12.6			- -
1236	1 6.8		318	12.5			-
							-
							_
	(II) CONTAINED DE		PRESERV. TYPI		y ANAI	LYSES	
Laure	()	YES	HCL	NORTHCREE			
VP - I		YES	HCL	NORTHCREE	K TPH-Dx w/sg		
VP - 1		YES	NP	NORTHCREE	K DISSOLVED LEAD		
COMMENTS:							
							_ ,

		#211577					
ite Address:	631 Queen Ann	e North	E	vent Date:	7-1-03		(inclus
ity:	Seattle, WA		S	Sampler:	BWN		
	1/0 ~			oK			
/ell ID	<u>VP-2</u>	Well	Condition: _	<u> </u>			•
Vell Diameter	(2) / 8 in.	•	rocarbon	OS	Amount Bailed	N	
otal Depth	14.44 ft.	Thic	kness:	ft.	(product/water):	gal.	
epth to Water	12.51 ft.		Volume Factor (VF)	3/4"= 0.02 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80	
	1,93 xVF	- (<i>ا</i> ر،			stimated Purge Volume:	1	j
	XVF						
urge	Disposable Bailer		J .		Disposable Bailer _.	- √	•
quipment:	Stainless Steel Bai	ler			Pressure Bailer		
	Stack Pump			1	Discrete Bailer .		-
	Suction Pump			(Other:		
	Grundfos	-	· · · · · · · · · · · · · · · · · · ·				
	Other:						
Purging Flow Radio Poid well de-wate Time (2400 hr.)		If yes, Time:	Description:onductivity mhos/cm)	Volume: Temperature (C/5)	gal. D.O. (mg/L)	ORP (mV)	-
<u>1305</u>		2.82 3	346	12,5			- -
SAMPLE ID	(#) CONTAINER	LABO	RATORY INFORESERV. TYPE		/ ANA	LYSES	- - - - -
		LABO	RATORY INFO	DRMATION LABORATORY NORTHCREEK	TPH-G/BTEX	LYSES	- - - - -
SAMPLE ID VP - L VP - 2	(#) CONTAINER	LABO REFRIG. PR YES YES	RATORY INFORESERV. TYPE HCL HCL	DRMATION LABORATORY NORTHCREEK NORTHCREEK	TPH-G/BTEX TPH-Dx w/sg	LYSES	-
SAMPLE ID	(#) CONTAINER 3 x voa vial	LABO REFRIG. PR	RATORY INFORESERV. TYPE	DRMATION LABORATORY NORTHCREEK	TPH-G/BTEX TPH-Dx w/sg	LYSES	-
SAMPLE ID VP - L VP - 2	(#) CONTAINER 3 x voa vial 1 x amber	LABO REFRIG. PR YES YES	RATORY INFORESERV. TYPE HCL HCL	DRMATION LABORATORY NORTHCREEK NORTHCREEK	TPH-G/BTEX TPH-Dx w/sg	LYSES	-
SAMPLE ID VP - L VP - 2	(#) CONTAINER 3 x voa vial 1 x amber	LABO REFRIG. PR YES YES	RATORY INFORESERV. TYPE HCL HCL	DRMATION LABORATORY NORTHCREEK NORTHCREEK	TPH-G/BTEX TPH-Dx w/sg	LYSES	
SAMPLE ID VP - L VP - 2 VP - 2	(#) CONTAINER 3 x voa vial 1 x amber	LABO REFRIG. PR YES YES	RATORY INFORESERV. TYPE HCL HCL	DRMATION LABORATORY NORTHCREEK NORTHCREEK	TPH-G/BTEX TPH-Dx w/sg	LYSES	



lient/Eacility #	ChevronTexaco #21	1577	Job Number:	386765	
ite Address:	631 Queen Anne No		Event Date:	6-30-03	(inclusi
	Seattle, WA		Sampler:	BMN	_
Sity:	Seattle, WA				
Vell ID	VP -3 (MW 2)	Well Condition	Wall i	s dry	
Vell Diameter	2 / 8 in.	Hydrocarbon	and a	Amount Bailed	
otal Depth	9.10 ft.	Thickness:	ft.	(product/water):	gal.
Depth to Water	DRY ft.	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17 3	"= 0.38
repair to Trater		Factor (\	/F) 4"= 0.66	5"= 1.02 6"= 1.50 12	2"= 5.80
	xVF	=	x3 (case volume) = I	Estimated Purge Volume:	gal.
Purge	Disposable Bailer		Sampling	Disposable Bailer	
Equipment:	Stainless Steel Bailer		Equipment:	Pressure Bailer	
•	Stack Pump	7		Discrete Bailer	
	Suction Pump			Other:	
	Grundfos				
	Other:				
Start Time (purg	V V	Veather Condition	s: \		
Sample Time/D		Water Colo		Odor:	
Purging Flow R		∠ diment Descriptio			
Did well de-wat		, Time:		gal.	
Did well de-wai	Heli	, 111101	_	\	
Time	Volume	Conductivity	Temperature	D.O. (mg/L)	ORP (mV)
(2400 hr.)	(gal.)	(u mhos/cm)	(C/F)	(1119/12)	(1114)
		_\	· <i>/</i>	_	
		_ \			
	/				
	_ /	/			
	_ (
	1/===	LABORATORY II		RY ANALYSI	S
SAMPLE ID	(#) CONTAINER REFI		NORTHCRE		
-	x voa Vial YE x amber YE		NORTHCRE		
	x amber YE		NORTHCRE		
COMMENTS:	Well is do	V			
COMMENTS.	V = 1				



	ChevronTexac	O #ZIIJI		Job Number: _	386/65		
ite Address:	631 Queen Anı	ne North		Event Date:	7-1-03	(inc	lusiv
ity:	Seattle, WA			Sampler:	BWN		
-							
Vell ID	VP -4	V	/ell Condition:	OK			
Vell Diameter	(2) / 8 in.	Н	lydrocarbon hickness:	ा तार्थी	Amount Bailed	Bl.	
otal Depth	14.69 ft.	Т	hickness:)3.444 ft.	(product/water):	gal.	
epth to Water	12.3) 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	
	xVI	-	_=>	x3 (case volume) ≃ E	stimated Purge Volume:	gal.	
urge	Disposable Bailer			Sampling	Disposable Bailer		
quipment:	Stainless Steel Ba				Pressure Bailer		
	Stack Pump				Discrete Bailer		
	Suction Pump		/		Other:		
	Grundfos	\neg)		
	Other:	<i>f</i>					
	Outer.				/		
Purging Flow Rate Did well de-water		\	ent Description: ne:	Volume:	gal.		
Time (2400 hr.)	Volume (dal.)	рН	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)	
	-/						
	/						
	-		-) \				
		/ 1.4	PODATORY IN	OPMATION			
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALY	SES]
		YES	HCL	NORTHCREEK	TPH-G/BTEX]
	x amber	YES	HCL /				4
	x 500ml poly	YES	NP/	NORTHCREE	C DISSOLVED LEAD		-
	 		(,,,				-
-		7		1			
COMMENTS:			hue to	I SPH			J
SAMPLE ID	(#) CONTAINER x voa viat x apriber	YES YES	HCL HCL	LABORATORY	TPH-G/BTEX TPH-Dx w/sg	SES	



'liont/Eacility #· (ChevronTexaco	#21157	7	Job Number:	386765			
_	631 Queen Anne			Event Date:	7-1-0	3		(inclusiv
	Seattle, WA			Sampler:	BWN			_
City:	Seattle, WA			•				
Vell ID	VP - 5	W	ell Condition:	Vnable -	to acco	SS		
Vell Diameter	2 / 8 in.		ydrocarbon		Amount I	Bailed		
Total Depth	- ft.		nickness:	ft.	(product/v	vater):	gal.	_
Depth to Water	VTA ft.		Volume Factor (VI	3/4"= 0.02 F) 4"= 0.66	1"= 0.04 5"= 1.02	2"= 0.17 6"= 1.50	3"= 0.38 12"= 5.80	
	xVF		=	x3 (case volume) = l	Estimated Purg	je Volume: _	gal.	
			_					
Purge	Disposable Bailer			Sampling Equipment:	•			-
Equipment:	Stainless Steel Bai	ler		Equipment.	Pressure E			-
	Stack Pump			٠.	Discrete Ba	_		-
	Suction Pump				Other:	· · · · · · · · · · · · · · · · · · ·		
No.	Grundfos			1		>		
	Other:			1				
	\	-/-	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					
Start Time (purge	e):\	∕ Weath	ner Conditions	: <u></u>				_
Sample Time/Da	ate:		Water Color	: \		Odor: _		
				· — — — — — — — — — — — — — — — — — — —	7	_		
Purging Flow Ra	ate: gpm.		ent Description): <u> </u>				-
•	nte: gpm.): <u> </u>	gal.			_
Purging Flow Ra Did well de-wate	ate: gpm.		ent Description le:	Volume:	gal.	-	ORP	_
Purging Flow Ra Did well de-wate	er?		ent Description): <u> </u>	X	·),	ORP (mV)	_
Purging Flow Ra Did well de-wate	ate: gpm.	lf yes, Tim	ent Description ne: Conductivity	Volume:	D.C	·),		_
Purging Flow Ra Did well de-wate	er?	lf yes, Tim	ent Description ne: Conductivity	Volume:	D.C	·),		<u>-</u>
Purging Flow Ra Did well de-wate	er?	lf yes, Tim	ent Description ne: Conductivity	Volume:	D.C	·),		- - -
Purging Flow Ra Did well de-wate	er?	lf yes, Tim	ent Description ne: Conductivity	Volume:	D.C	·),		- - - -
Purging Flow Ra Did well de-wate	er?	lf yes, Tim	ent Description ne: Conductivity	Volume:	D.C	·),		- - - - -
Purging Flow Ra Did well de-wate	er?	lf yes, Tim	ent Description ne: Conductivity	Volume:	D.C	·),		
Purging Flow Ra Did well de-wate	er?	pH	ent Description ne: Conductivity (u mhos/cm)	Volume: Temperature (C/F)	D.C), /L) 	(mV)	-
Purging Flow Ra Did well de-wate	er?	pH	ent Description ne: Conductivity	Volume: Temperature (C/F) FORMATION LABORATØ	D.C (mg/). /L) 		-
Purging Flow Ra Did well de-wate (2400 hr.)	ver? Vølume (gal.)	pH LA REFRIG. YES	Conductivity (umhos/cm) BORATORY N PRESERV. TYP	Temperature (C/F) FORMATION LABORATO NORTHCRE	D.C (mg/	ANAL	(mV)	
Purging Flow Ra Did well de-wate Time (2400 hr.) SAMPLE ID	ver? Volume (gal.) (#) CONTAINER x voa vial x amber	LA REFRIG. YES YES	Conductivity (u mhos/cm) BORATORY W PRESERV. TYP HCL HCL	Temperature (C/F) FORMATION LABORATO NORTHCRE	RY PH-G/B	ANAL	(mV)	-
Purging Flow Ra Did well de-wate Time (2400 hr.) SAMPLE ID	valume (gal.) (#) CONTAINER x voa vial	pH LA REFRIG. YES	Conductivity (umhos/cm) BORATORY N PRESERV. TYP	Temperature (C/F) FORMATION LABORATO NORTHCRE	RY PH-G/B	ANAL	(mV)	
Purging Flow Ra Did well de-wate Time (2400 hr.) SAMPLE ID -	ver? Volume (gal.) (#) CONTAINER x voa vial x amber	LA REFRIG. YES YES	Conductivity (u mhos/cm) BORATORY W PRESERV. TYP HCL HCL	Temperature (C/F) FORMATION LABORATO NORTHCRE	RY PH-G/B	ANAL	(mV)	
Purging Flow Ra Did well de-wate Time (2400 hr.) SAMPLE ID	#) CONTAINER (#) CONTAINER x voa vial x amber x 5000ql poly	LA REFRIG. YES YES YES	Conductivity (u mhos/cm) BORATORY N PRESERV. TYP HCL NP	Temperature (C/F) FORMATION LABORATO NORTHCRE NORTHCRE	RY EK TPH-G/B EK TPH-Dx EK DISSOL	ANAL BTEX W/sg VED LEAD	(mV)	
Purging Flow Ra Did well de-wate Time (2400 hr.) SAMPLE ID -	(#) CONTAINER (#) CONTAINER x Voa vial x amber x 500 nl poly	LA REFRIG. YES YES YES	Conductivity (u mhos/cm) BORATORY N PRESERV. TYP HCL NP	Temperature (C/F) FORMATION LABORATO NORTHCRE	RY EK TPH-G/B EK TPH-Dx EK DISSOL	ANAL BTEX W/sg VED LEAD	(mV)	
Purging Flow Ra Did well de-wate Time (2400 hr.) SAMPLE ID	#) CONTAINER (#) CONTAINER x voa vial x amber x 5000ql poly	LA REFRIG. YES YES YES	Conductivity (u mhos/cm) BORATORY N PRESERV. TYP HCL NP	Temperature (C/F) FORMATION LABORATO NORTHCRE NORTHCRE	RY EK TPH-G/B EK TPH-Dx EK DISSOL	ANAL BTEX W/sg VED LEAD	(mV)	



	Chevron Texaco #2	11011	Job Number: 3	00/03		-
Site Address:	631 Queen Anne No	orth	Event Date:	7-1-03		(inclusiv
- City:	Seattle, WA	,	Sampler:	LIWE		
Vell ID	VP - 6	Well Condition	: <u>ok</u>			•
Well Diameter	(2) / 8 in.	Hydrocarbon		Amount Bailed	\mathcal{A}	
Total Depth	14.72 ft.	Thickness:	,22 ft.	(product/water):	gal.	
Depth to Water	11-32 ft.	Volume Factor (\	3/4"= 0.02 /F) 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80	
	xVF	=	x3 (case volume) = Es	timated Purge Volume:	gal.	,
Purge	Disposable Bailer			Disposable Bailer _		_
Equipment:	Stainless Steel Bailer	7_	Equipment: F	Pressure Bailer		
4	Stack Pump		[Discrete Bailer		-
	Suction Pump		(Other:		-
	Grundfos			1		
	Other:					
Sample Time/Da Purging Flow Ra Did well de-water Time (2400 hr.)	te: gpm. Se	Water Colo	n:	gal. D.O. (mg/L)	ORP (mV)	- -
		LABORATORY IN				
SAMPLE ID	(#) CONTAINER REFF				YSES	
-	x voa vial YE		NORTHCREEK NORTHCREEK			
			NORTHCREEK			
-	X 800ml polyl YE					
-	x 800ml poly YE					



ite Address: City:				7-1-03	
14	e Address: 631 Queen Anne North		Event Date:	(inclusiv	
/ILV.	Seattle, WA		Sampler:	BWN	
Vell ID	VP -7	Well Condition	: <u>ok</u>		
Vell Diameter	(2) / 8 in.	Hydrocarbon	0>	Amount Bailed	X
otal Depth	17.42 ft.	Thickness:	<u>, 03 _{ft.}</u>	(product/water):	gal.
Depth to Water	10,08 ft.	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
•		Factor (\		5"= 1.02 6"= 1.50	12"= 5.80
	xVF	=	x3 (case volume) = E	stimated Purge Volume:	gal.
D	D' II Dallan		Sampling	Disposable Bailer	
Purge Equipment:	Disposable Bailer		Equipment:	Description Dellar	
Equipment.	Stainless Steel Bailer	-/		Discrete Bailer	
	Stack Pump	/		Other:	
	Suction Pump	/		-/	
`	Grundfos				
	Other:	/			
		M th Condition	<u> </u>		
Start Time (purg	/	Weather Condition Water Cold		Odor:	
Sample Time/D		 Sediment Descriptio			
Purging Flow R		es, Time:		gal.	
Did well de-wat	er?	35, time		\	
Time	Volume	Conductivity	Temperature	D.O.	ORP (mV)
(2400 hr.)		(u mhos/cm)	(C/F)	(mg/L)	(1114)
	_			- \ -	
· · · · · · · · · · · · · · · · · · ·	_/		- /		
	/	<u> </u>	/		
	/	\	- /		
	_ <i></i>	_ \	/		
		LABORAT ORY II	NEOPMATION		
CAMPI E ID	(#) CONTAINER RE	FRIG. PRESERV. TY	PE LABORATOR	RY ANALY	/SES
SAMPLE ID	1 ()	YES HCL	NORTHCREE	K TPH-G/BTEX	
VP7		YES HCL	NORTHCREE		
UP -7	x 500ml poly	YES NP	NORTHCREE	K DISSOLVED LEAD	
7		- 4			
	1	1	-C11		
/			ar 20 1 1		
COMMENTS:	Not sample	ed due to	314		

	ChevronTexaco #2	211377	Job Number: 3	80705		
Site Address:	ite Address: 631 Queen Anne North		Event Date:	7-1-03		_(inclusive
City:	Seattle, WA		Sampler:	BWN		
	110 FT					
Vell ID	VP -8	Well Condition:	OK			
Well Diameter	(2) / 8 in.	Hydrocarbon	Ŕ	Amount Bailed	X	
Total Depth	[6.6] ft.	Thickness:	ft.	(product/water):	gal.	
Depth to Water	12.45 ft.	Volume Factor (VI	3/4"= 0.02 -) 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80	
	Ц. Ib xvF,			imated Purge Volume:		
Purge	Diana ahla Dallar	.,(Disposable Bailer	.//	
Equipment:	Disposable Bailer	V		Pressure Bailer		
	Stainless Steel Bailer			iscrete Bailer	····	
	Stack Pump			-		ı
	Suction Pump		(Other:		
	Grundfos					
	Other:					
Time (2400 hr.)	7? no If ye Volume (gal.) pH	7 299	Temperature (C/F)	gal. D.O. (mg/L)	ORP (mV)	- -
CAMPLE ID	LAN CONTAINED DEE	LABORATORY INI			YSES	
SAMPLE ID		FRIG. PRESERV. TYPI	NORTHCREEK	TPH-G/BTEX		
VP-3		ES HCL	NORTHCREEK	TPH-Dx w/sg		
VP - 8		ES NP	NORTHCREEK	DISSOLVED LEAD		
COMMENTS:						



GETTLER-RYAN INC.

lient/Facility #:	ChevronTexaco	#21157	7 J	ob Number: 3	86765			
Site Address:	631 Queen Ann			vent Date:	7-	-03		(inclusiv
				Sampler:	BWN			
City:	Seattle, WA			-				
	VP - 9	\/\	ell Condition:	OK				
Well ID			-		Amour	it Bailed		
Well Diameter			ydrocarbon hickness:	Ø ft.		:t/water):	gal.	
Total Depth	13.50 ft.			3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38	
Depth to Water	9.74 ft.		Volume Factor (VF)		5"= 1.02	6"= 1.50	12"= 5.80	
	3.76 xVF	_^\	= 163 x	3 (case volume) = E	stimated P	urge Volume:	gal.	
			1	Sampling	Disposal	ole Bailer	1	
Purge	Disposable Bailer		N/	• •	Pressure			•
Equipment:	Stainless Steel Ba	iler			Discrete	•		-
	Stack Pump					<u> </u>		-
	Suction Pump				Julei			•
	Grundfos							
	Other:							
				SIANV	7)1			
Start Time (pur		Weat	her Conditions:	Swn Clear	" 	Odor:	slight	
Sample Time/	Date: 125 1						-31371	_
		O 11	Deceription					
Purging Flow	Rate: gpm.		ent Description:			ıal		-
Purging Flow I			ne:	Volume:	9	al.		-
Did well de-wa	ater? <u>n</u> 0		ne:	Volume:		jal. D.O.	ORP	_
Did well de-wa	volume						ORP (mV)	_
Did well de-wa	volume	If yes, Tim	ne: Conductivity (u mhos/cm)	Volume: Temperature (C/F)		D.O.		_
Did well de-wa	volume (gal.)	If yes, Tim	Conductivity (umhos/cm)	Volume: Temperature (C/F)		D.O.		- -
Time (2400 hr	volume .) (gal.)	If yes, Tim	ne: Conductivity (u mhos/cm)	Volume: Temperature (C/F)		D.O.		- - -
Did well de-wa	volume .) (gal.)	If yes, TimpH	Conductivity (umhos/cm)	Volume: Temperature (C/F)		D.O.		- - - -
Time (2400 hr	volume .) (gal.)	If yes, TimpH	Conductivity (umhos/cm)	Volume: Temperature (C/F)		D.O.		- - - -
Time (2400 hr	volume .) (gal.)	If yes, Tim pH 692 6.89	Conductivity (umhos/cm)	Volume: Temperature (C/F) 12.5 12.4		D.O.		
Time (2400 hr	volume .) (gal.)	If yes, Tim pH 692 6.89	Conductivity (umhos/cm) 320 316 ABORATORY INF	Volume: Temperature (C/F) 12.5 12.4 FORMATION	(1	D.O. ng/L)	(mV)	- - - - -
Time (2400 hr	volume (gal.)	If yes, Tim pH 692 6.89	Conductivity (umhos/cm) 320 316 ABORATORY INF	Temperature (C/F) 12.5 12.4 FORMATION E LABORATOR	(r	D.O. mg/L)		
Time (2400 hr	Volume (gal.)	If yes, Tim pH 692 6.89 LA REFRIG. YES	Conductivity (umhos/cm) 320 316 ABORATORY INFI	Temperature (C/F) 12.5 12.4 FORMATION E LABORATOR NORTHCREE	(r	O.O. mg/L) AN/	(mV)	
SAMPLE ID	Volume (gal.) (#) CONTAINER 3 x voa vial 1 x amber	If yes, Tim pH 692 6.89 LA REFRIG. YES YES	Conductivity (umhos/cm) 320 316 ABORATORY INF PRESERV. TYPI HCL HCL	Temperature (C/F) 12.5 12.4 FORMATION E LABORATOR NORTHCREE	RY EK TPH-	D.O. mg/L)	(mV)	
Time (2400 hr 1016 SAMPLE II	Volume (gal.) (#) CONTAINER x voa vial	If yes, Tim pH 692 6.89 LA REFRIG. YES YES	Conductivity (umhos/cm) 320 316 ABORATORY INFI	Temperature (C/F) 12.5 12.4 FORMATION E LABORATOR NORTHCREE	RY EK TPH-	AN/G/BTEX	(mV)	
SAMPLE ID	Volume (gal.) (#) CONTAINER 3 x voa vial 1 x amber	If yes, Tim pH 692 6.89 LA REFRIG. YES YES	Conductivity (umhos/cm) 320 316 ABORATORY INF PRESERV. TYPI HCL HCL	Temperature (C/F) 12.5 12.4 FORMATION E LABORATOR NORTHCREE	RY EK TPH-	AN/ G/BTEX Dx w/sg	(mV)	
SAMPLE ID VP - 9 VP - 9	Volume (gal.) (#) CONTAINER 3 x voa vial 1 x amber x 500ml poly	If yes, Tim pH 692 6.89 LA REFRIG. YES YES	Conductivity (umhos/cm) 320 316 ABORATORY INF PRESERV. TYPI HCL HCL	Temperature (C/F) 12.5 12.4 FORMATION E LABORATOR NORTHCREE	RY EK TPH-	AN/ G/BTEX Dx w/sg	(mV)	
SAMPLE ID	Volume (gal.) (#) CONTAINER 3 x voa vial 1 x amber x 500ml poly	If yes, Tim pH 692 6.89 LA REFRIG. YES YES	Conductivity (umhos/cm) 320 316 ABORATORY INF PRESERV. TYPI HCL HCL	Temperature (C/F) 12.5 12.4 FORMATION E LABORATOR NORTHCREE	RY EK TPH-	AN/ G/BTEX Dx w/sg	(mV)	
SAMPLE ID VP - 9 VP - 9	Volume (gal.) (#) CONTAINER 3 x voa vial 1 x amber x 500ml poly	If yes, Tim pH 692 6.89 LA REFRIG. YES YES	Conductivity (umhos/cm) 320 316 ABORATORY INF PRESERV. TYPI HCL HCL	Temperature (C/F) 12.5 12.4 FORMATION E LABORATOR NORTHCREE	RY EK TPH-	AN/ G/BTEX Dx w/sg	(mV)	

aco #211	J	lob Number: 3	886765		
Site Address: 631 Queen Anne Nor		Event Date:	7-1-03		_(inclusive
	9	Sampler:	BWW		
	Well Condition:	ok			
_ 1,	-		Amount Bailed		
<u>.</u> -	Hydrocarbon Thickness:	Ø ft.	(product/water):	gal.	
<u>.</u>	· -				
-	Volume Factor (VF)	3/4"= 0.02 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80	
xVF	<u> </u>	······································	timated Purge Volume:	gal.	
ler	•		Disposable Bailer _	$\sqrt{}$	
Bailer _		Equipment: _F	Pressure Bailer		
_		[Discrete Bailer		
_		(Other:		
_					
		Sunn	\1		
– We	eather Conditions:	Clear		. ()	
01	Water Color:	~1CM	Odor:	<u>~~</u>	
	ment Description: Time:	Volume:	gal.		
n yes,		volume.	gai.		
pН	Conductivity	Temperature	D.O.	ORP	
F ···	(u mhos/cm)	(C/ F)	(mg/L)	(mV)	
7.28	336	12.6	•		
7,22	33	12.5			
7.18	328	12.Y	•		
1.110					
	LABORATORY INFO	ORMATION			
R REFRIG		LABORATORY		YSES	
vial YES	HCL	NORTHCREEK NORTHCREEK			
oer YES	HCL NP	NORTHCREEK			
0.9 120	7.11				
		A	Add/Replaced Pl	Add/Replaced Plug: Siz	Add/Replaced Plug:Size:



ChevronTexaco #21 631 Queen Anne No		Event Date:	6-30-03		(inclusiv
				<u></u>	(II IOIGSIV
Seattle, WA		Sampler:	BWN		
MW-6	Well Condition:	ok			-
(2) / 8 in.	Hydrocarbon	23		Ø	
28,32 ft.	Thickness:	103 ft.	- ''		- 1
2),38 ft.	Volume Factor (V	3/4"= 0.02 (F) 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80]
xVF	=	x3 (case volume) = I	Estimated Purge Volume:	gal.	
Dianachla Bailer		Sampling	Disposable Bailer		_
		Equipment:	Pressure Bailer		_
			Discrete Bailer		<u>.</u>
, · · · · · · · · · · · · · · · · · · ·			Other:		_
1		.	7		
1					
10).	Veather Conditions	s: \	/		_
,	/		Odor:		
	/		/		_
			gal.		
		/\	, D.O.	OPP	
Volume pH			(mg/L)	(mV)	
(gal.)	(Billinos/onl)	<i>y.,</i>			_
	_ \				
					_
_ /	/	/			
_ /					
	LABORATORY I	NFORMATION _			
(#) CONTAINER REF		PE LABORATO	· · · · · · · · · · · · · · · · · · ·	LYSES	
x voa vial YE	S HCL				
x 500ml poly YE	S NP	NONTHORE			
					
Not sampled	due to	SPH			
	28 / 8 in. 28 / 32 ft. 21 / 38 ft. xVF	Hydrocarbon Thickness: 28.32 ft. Volume Factor (Volume Facto	LABORATORY INFORMATION NORTHICRE X 500ml poly YES HCL NORTHICRE NORTHI	Amount Bailed (product/water): 2 32 ft.	Marcia M

menuracinty #:	ChevronTexaco #	F2115//	Job Number: _	386765		
Site Address:	631 Queen Anne	North	Event Date:	6.30.03		(inclusiv
City:	Seattle, WA		Sampler:	BWN		
	.a. (<i>a</i>		11. 11. 1.	4/2072	***	
Well ID	MW - 9	Well Condition		access		
Vell Diameter	(2) 1 8 in.	Hydrocarbon		Amount Bailed	1	
Total Depth	ft.	Thickness:	ft.	(product/water):	gal.	1
Depth to Water	UTA ft.	Volum Factor		1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80	
	xVF	=	x3 (case volume) = E	stimated Purge Volume:	gal.	
Purge	Disposable Bailer		Sampling	Disposable Bailer		
Equipment:	Stainless Steel Baile	, ,	Equipment:			
` ' ` `	Stack Pump	/	-	D:		
	Suction Pump		_	Other:		•
	Grundfos	/				
	Other:	/	- \			
	Other					
O1 - 1 T: /	<u>, </u>	Weather Conditio	ne:			
Start Time (purg	· 	Water Co		Odor:		•
Sample Time/D		Sediment Descripti				-
Purging Flow R		/es, Time:		gal.	-:-	•
Did well de-water	er?	es, rime.	voidine.	ga		
Time	Volume	Conductivity	Temperature	D.O.	ORP	
(2400 hr.)	(gal.)	(u mhos/cm)	(C/F)	(mg/L)	(mV)	
	_/		_/			-
		\	<i></i>	_ \		-
	<i></i>		/	-		-
			L			-
						-
						
		LABORATORY				
SAMPLE ID	(#) CONTAINER R	EFRIG. PRESERV. T			YSES	
-	x voa vial	YES HCL	NORTHÉREE			
-	x amber	YES HCL YES NP	NORTHCREE			
-	x 500ml poly	YES NP	NONTRICKEE	TOO TYPE BEAT		
t .		1000	parked over			
	Washla La	$\alpha \in (\mathcal{L} \times \mathcal{L} \times $				
COMMENTS:	Vnable to	access ear	property of			



GETTLER-RYAN INC.

Site Address: 631 Queen Anne North	Client/Facility #:	ChevronTexaco	o #21157	7	Job Number:	386765		o 1 -5
Well ID	Site Address:	631 Queen Ann	ne North	i	Event Date:			(inclusi
Well ID					Sampler:	BWI		
Well ID by Well Diameter Q / 8 in. Hydrocarbon Thickness: Amount Bailed (product/water): Jan. (purge): Amount Bailed (product/water): Jan. (purge): Jan. (purge): Amount Bailed (product/water): Jan. (purge): Jan. (purge): Amount Bailed (product/water): Jan. (purge): Jan. (purge): <td>-:-y·</td> <td></td> <td></td> <td></td> <td>nV</td> <td></td> <td></td> <td></td>	-:-y·				nV			
Well Diameter 10 10 10 10 10 10 10 1	Well ID	MW - 10	W	ell Condition:	OR		2	
Total Depth		(2) / 8 in.	H	ydrocarbon	P.		0	
Depth to Water 12.11 ft. Volume 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38 4"= 0.66 5"= 1.02 6"= 1.50 12"= 5.80 12"=		28.94 ft.	T	nickness:	ft.	. (product/water):	gal.	
Purge Disposable Bailer Stainless Steel Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other:	•					, 0.0.		
Purge Equipment: Stainless Steel Bailer Stainless Steel Bailer Stack Pump Suction Pump Suction Pump Grundfos Other: O		16.03 xV	, \\ \			Estimated Purge Volume	: <u></u> gal.	•
Start Time (purge): Start Planer Start Planer				. /	Sampling	Disnosable Bailer	J	
Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other:	_	•		<u> </u>	-	•		•
Stack Pump Suction Pump Grundfos	Equipment:		ailer		_4-4-4			•
Start Time (purge):		•						•
Start Time (purge):	•	The second secon	· · ·	· · · · · · · · · · · · · · · · · · ·		Other.		•
Start Time (purge):		Grundfos						
Sample Time (purge). 100		Other:						
Sample Time (purge). 100		. <i>Q</i> "A	Most	her Conditions	. Sunn	Λ 		_
Purging Flow Rate: gpm. Sediment Description:		000	vveau				nd	_
Did well de-water? Mo	•		Sodime					_
Time (2400 hr.) Volume (gal.) pH Conductivity (umhos/cm) Temperature (C/p) (mg/L) (my/L)						gal.		
Time (2400 hr.) Volume (gal.) pH Conductivity (umhos/cm) (C/f) (mg/L) (mV)	Did well de-wa	iter?	if yes, riii	ie				
Cado hr. (gal.) ph	Time	Volume		Conductivity				
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES			рН	(umhos/cm)	(C <i>IJ</i> 7)	(mg/L)	(1117)	
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES			100	204	12.8			
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES		<u>2.5</u>						_
LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES NW - 10 3 x voa vial YES HCL NORTHCREEK TPH-G/BTEX NW - 10 1 x amber YES HCL NORTHCREEK TPH-Dx w/sg NW - 10 1 x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD								<u></u>
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES MW - 10	<u>971</u>		6.85	<u> 2311</u>	12.0			
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES NORTHCREEK TPH-G/BTEX TPH-Dx w/sg NORTHCREEK TPH-Dx w/sg NORTHCREEK DISSOLVED LEAD NORTHCREEK DISSOLVED LEAD								
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES MW - 10				DODATORY IN	EORMATION			
SAMPLE ID		(1) 001741150				RY AN	ALYSES	
MW - 10 x amber YES HCL NORTHCREEK TPH-Dx w/sg MW - 10 x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD								
YW - 10 x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD								
				NP	NORTHCRE	EK DISSOLVED LEAD	ر	
COMMENTS:								
COMMENTS:			<u> </u>					
	COMMENTS	3 :						

Client/Facility #:	ChevronTexaco) #2115 <i>1</i>	7	Job Number:	386765			
Site Address:	631 Queen Ann	e North		Event Date: _	7-1	-33		(inclusi
City:	Seattle, WA			Sampler:	BWN			
Mall ID	/w -N	۱۸	/ell Condition:	oK				
Well ID					Amount	Poiled		
Well Diameter	(2) / 8 in.		ydrocarbon	Ø ft.	(product/		gal.	
Total Depth	17,11 ft.	1	hickness:					1
Depth to Water	11.39 ft.		Volume Factor (VI	3/4"= 0.02 =) 4"= 0.66	1"= 0.04 5"= 1.02	2"= 0.17 6"= 1.50	3"= 0.38 12"= 5.80	
			_= 1	x3 (case volume) = E	stimated Pur	ge Volume:	gal.	
Purge	Disposable Bailer	,		Sampling	Disposable	e Bailer		
Equipment:	Stainless Steel Bai	lor.	<u>v</u>	_ : - : - :	Pressure I	-		-
		<u>. </u>			Discrete E	-		•
	Stack Pump				Other:	-		-
	Suction Pump				Other.			-
	Grundfos							
	Other:							
Start Time (purg	e): 1100	\\/ootl	ner Conditions	: Sum	·/			
	~/· 	vveau			/	0.1	1000	
Comple Time /			Mater Color	·		CIGOL.	D VI I	
Sample Time/D		Codimo	Water Color			_ Odor:	VV()	-
Purging Flow R	ate: gpm.		ent Description		gal			-
•	ate: gpm.							-
Purging Flow Random Purging Flow Random Purging Flow Random Rando	er? ro	lf yes, Tim	ent Description le: Conductivity	Volume:	D.0	i.	ORP	-
Purging Flow Ra Did well de-wate	ate: gpm. er? /v 0		ent Description ne:	:Volume:		i.		-
Purging Flow Ra Did well de-wate Time (2400 hr.)	er? gpm. Volume (gal.)	lf yes, Tim	ent Description ne: Conductivity (u mhos/cm)	Volume: Temperature (C/F)	D.0	i.	ORP	-
Purging Flow Random Purging Flow Random Purging Flow Random Rando	er? NO Volume (gal.)	opH	ent Description Le: Conductivity (u mhos/cm)	Temperature (C/F)	D.0	i.	ORP	-
Purging Flow Radio Did well de-water (2400 hr.)	volume (gal.)	pH 2.8'7	cont Description the: Conductivity (u mhos/cm) 330 321	Volume: Temperature (C/J)	D.0	i.	ORP	- - - -
Purging Flow Random Purging Flow Random Purging Flow Random Rando	volume (gal.)	opH	ent Description Le: Conductivity (u mhos/cm)	Temperature (C/F)	D.0	i.	ORP	- - - -
Purging Flow Radio Did well de-water (2400 hr.)	volume (gal.)	pH 2.8'7	cont Description the: Conductivity (u mhos/cm) 330 321	Volume: Temperature (C/J)	D.0	i.	ORP	- - -
Purging Flow Radio Did well de-water (2400 hr.)	volume (gal.)	pH 2.8'7 2.8'4 6.82	cont Description the: Conductivity (u mhos/cm) 330 321	Volume: Temperature (CIF) 12.6 12.5 12.4	D.0). /L)	ORP (mV)	-
Purging Flow Radio Did well de-water (2400 hr.)	volume (gal.)	pH 2.8'7 2.8'4 6.82	Conductivity (u mhos/cm) 330 321 313	Volume: Temperature (C/F) 12.6 12.5 12.5 12.4	D.C (mg	D. /L)	ORP	-
Purging Flow Randing Flow Randi	(#) CONTAINER 3 x voa vial	pH 2,87 2,84 4,82 LA REFRIG. YES	conductivity (u mhos/cm) 330 321 313 BORATORY INIPARESERV. TYPE	Temperature (C/F) 12.6 12.5 12.4 FORMATION E LABORATOR' NORTHCREE	D.C (mg	D. /L) ANAI	ORP (mV)	-
Purging Flow Randing Flow Randi	#) CONTAINER (#) CONTAINER X voa vial X amber	pH 2,8'7 2,8'4 6,82 LA REFRIG. YES YES	Conductivity (u mhos/cm) 330 321 313 BORATORY INI PRESERV. TYPI HCL HCL	Volume: Temperature (CIF) 12.6 12.5 12.4 FORMATION E LABORATOR' NORTHCREEI NORTHCREEI	D.C (mg	ANAI PTEX W/sg	ORP (mV)	-
Purging Flow Randing Flow Randi	(#) CONTAINER 3 x voa vial	pH 2,87 2,84 4,82 LA REFRIG. YES	conductivity (u mhos/cm) 330 321 313 BORATORY INIPARESERV. TYPE	Temperature (C/F) 12.6 12.5 12.4 FORMATION E LABORATOR' NORTHCREE	D.C (mg	D. /L) ANAI	ORP (mV)	
Purging Flow Randing Flow Randi	#) CONTAINER (#) CONTAINER X voa vial X amber	pH 2,8'7 2,8'4 6,82 LA REFRIG. YES YES	Conductivity (u mhos/cm) 330 321 313 BORATORY INI PRESERV. TYPI HCL HCL	Volume: Temperature (CIF) 12.6 12.5 12.4 FORMATION E LABORATOR' NORTHCREEI NORTHCREEI	D.C (mg	ANAI PTEX W/sg	ORP (mV)	
Purging Flow Randing Flow Randi	#) CONTAINER (#) CONTAINER X voa vial X amber	pH 2,8'7 2,8'4 6,82 LA REFRIG. YES YES	Conductivity (u mhos/cm) 330 321 313 BORATORY INI PRESERV. TYPI HCL HCL	Volume: Temperature (CIF) 12.6 12.5 12.4 FORMATION E LABORATOR' NORTHCREEI NORTHCREEI	D.C (mg	ANAI PTEX W/sg	ORP (mV)	
Purging Flow Randing Flow Randi	#) CONTAINER (#) CONTAINER X voa vial X amber	pH 2,8'7 2,8'4 6,82 LA REFRIG. YES YES	Conductivity (u mhos/cm) 330 321 313 BORATORY INI PRESERV. TYPI HCL HCL	Volume: Temperature (CIF) 12.6 12.5 12.4 FORMATION E LABORATOR' NORTHCREEI NORTHCREEI	D.C (mg	ANAI PTEX W/sg	ORP (mV)	
Purging Flow Randing Flow Randi	#) CONTAINER (#) CONTAINER X voa vial X amber	pH 2,8'7 2,8'4 6,82 LA REFRIG. YES YES	Conductivity (u mhos/cm) 330 321 313 BORATORY INI PRESERV. TYPI HCL HCL	Volume: Temperature (CIF) 12.6 12.5 12.4 FORMATION E LABORATOR' NORTHCREEI NORTHCREEI	D.C (mg	ANAI PTEX W/sg	ORP (mV)	



GETTLER-RYAN INC.

lient/Facility #: C	hevronTexaco	#21157	7 Jo	ob Number: 3	886765	
-	31 Queen Ann			vent Date:	7-1-03	(inclus
	Seattle, WA		S	ampler:	BMN	
Vell ID ()B1 - MW 12_	W	ell Condition: _	ok		
Well Diameter	(2 / 8 in.		ydrocarbon	B	Amount Bailed	Ø -al
Fotal Depth	16.13 ft.	Т	hickness:	ft.	(product/water):	gal.
Depth to Water _	11,32 ft.		Volume Factor (VF)	3/4"= 0.02 4"= 0.66	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80
	4.81xvF	,17			stimated Purge Volume: _	gal.
- -		,	$\sqrt{}$	Sampling	Disposable Bailer	\checkmark
	Disposable Bailer		V		Pressure Bailer	
•	Stainless Steel Ba	lier			Discrete Bailer	
	Stack Pump				Other:	
	Suction Pump		·		**************************************	
	Grundfos	<u></u>				
	Other:					
Start Time /nurse): 940	Weat	ner Conditions:	sum)	7	
Start Time (purge Sample Time/Da		***************************************	Water Color:	ton	Odor:	nt
Purging Flow Rat		Sedime	ent Description:			
Did well de-water			ne:	Volume:	gal.	
			Conductivity	Temperature	D.O.	ORP
Time (2400 hr.)	Volume (gal.)	pН	(u mhos/cm)	(CIF)	(mg/L)	(mV)
(2.00)	(9)			1- 2		
943		7.24	328	12.7		
946		7,20	320	12.6		
949_		7.18	318	12.5		
			BORATORY INF		V ANAI	YSES
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	NORTHCREE		
MW - 12	3 x voa vial	YES	HCL HCL	NORTHCREE		
MW-12 MW-12	x amber x 500ml poly	YES YES	NP	NORTHCREE		
1 -10	1 × 300mi poly					
COMMENTS:						
COMMENTS.						



Client/Facility #:	ChevronTexaco #21		•		C 20 50	
Site Address:	631 Queen Anne No	orth	Event Date:		6.30.03	(inclus
City:	Seattle, WA		Sampler:	BWN		
			10 0	1 .		
Vell ID	DB 2 - (MW 13)	Well Condition	: Insuf.	water		
Vell Diameter	(2) / 8 in.	Hydrocarbon	N	Amount Baile	rA	
Total Depth	19.65 ft.	Thickness:	ft.	(product/water	r): <u>20 </u>	gal.
Depth to Water	18,72 ft.	Volume Factor (\	3/4"= 0.02 VF) 4"= 0.66		0.17 3"= 0. 1.50 12"= 5	1
	xVF	=	x3 (case volume) = E			
_			Campling	Diamentale Dei		
Purge Eauinmonts	Disposable Bailer		Sampling Equipment:	Disposable Bai		
Equipment:	Stainless Steel Bailer		Equipment	Pressure Baile Discrete Bailer		
	Stack Pump					
\	Suction Pump			Other:		
	Grundfos	$\overline{}$		>		
	Other:	/				
Start Time (pur Sample Time/I Purging Flow F	Date:	Veather Conditions Water Colo	or:	00	dor:	
Sample Time/[Date: / Rate: gpm. Se		n:	o	dor:	
Sample Time/I Purging Flow F	Cate: / Rate: gpm. Se Iter? If yes.	Water Colo	n:		dor: ORI (mV	
Sample Time/I Purging Flow F Did well de-wa	Cate: / Rate: gpm. Se If yes.	Water Colo diment Description , Time:	or: n: Volume: Temperature	gal.	ORI	
Sample Time/I Purging Flow F Did well de-wa Time	Cate: / Rate: gpm. Se If yes.	Water Colo diment Description , Time:	or: n: Volume: Temperature	gal.	ORI	
Sample Time/I Purging Flow F Did well de-wa Time	Cate: / Rate: gpm. Se If yes.	Water Colo diment Description , Time:	or: n: Volume: Temperature	gal.	ORI	
Sample Time/I Purging Flow F Did well de-wa Time	Cate: / Rate: gpm. Se If yes.	Water Colo diment Description , Time:	or: n: Volume: Temperature	gal.	ORI	
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr.	Date: / Rate: gpm. Se If yes. Volume (gal.) pH	Water Colo	Volume: Temperature (C/F)	gal. D.O. (mg/L)	ORI (mV	
Sample Time/I Purging Flow F Did well de-wa Time	Date: / Rate: gpm. Se If yes Volume pH (gal.) pH (#) CONTAINED REFR	Water Colordiment Description , Time: Conductivity (umhos/cm) LABORATORY IN RIG. PRESERV. TYPE	Volume: Temperature (C/F) NFORMATION LABORATOR	gal. D.O. (mg/L)	ORI	
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr.	Date: / Rate: gpm. Se If yes Volume pH (#) CONTAINED REFR x volvial YES	Water Colordiment Description , Time: Conductivity (umhos/cm) LABORATORY IN RIG. PRESERV. TYPE S HCL	Volume: Temperature (C/F) NFORMATION LABORATOR NORTHCREE	gal. D.O. (mg/L)	ORI (mV	
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr.	Cate: / Rate: gpm. Se If yes Volume pH (gal.) (#) CONTAINER REFR x vol vial YES x ambex YES	Water Colordiment Description , Time: Conductivity (umhos/cm) LABORATORY IN RIG. PRESERV. TYPE S HCL S HCL	Volume: Temperature (C/F) NFORMATION LABORATOR	gal. D.O. (mg/L) Y K TPH-G/BTEX K TPH-Dx w/sg	ORI (mV	
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr.	Date: / Rate: gpm. Se If yes Volume pH (#) CONTAINED REFR x volvial YES	Water Colordiment Description , Time: Conductivity (umhos/cm) LABORATORY IN RIG. PRESERV. TYPE S HCL S HCL	Volume: Temperature (C/F) NFORMATION PE LABORATOR NORMATICREE	gal. D.O. (mg/L) Y K TPH-G/BTEX K TPH-Dx w/sg	ORI (mV	
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr.	Cate: / gpm. Se If yes Volume pH (#) CONTAINED REFR x volvial YES x 500ml poly YES	Water Colordiment Description , Time: Conductivity (umhos/cm) LABORATORY IN RIG. PRESERV. TYP S HCL S HCL S NP	Volume: Temperature (C/F) NFORMATION PE LABORATOR NORTHCREE NORTHCREE	gal. D.O. (mg/L) Y K TPH-G/BTEX K TPH-Dx w/sg K DISSOLVED L	ORI (mV	
Sample Time/I Purging Flow F Did well de-wa Time (2400 hr.	Cate:	Water Colordiment Description , Time: Conductivity (umhos/cm) LABORATORY IN RIG. PRESERV. TYP S HCL S HCL S NP	Volume: Temperature (C/F) NFORMATION PE LABORATOR NORMATICREE	gal. D.O. (mg/L) Y K TPH-G/BTEX K TPH-Dx w/sg K DISSOLVED L	ORI (mV	

Site Address: 631 Queen Anne North Seattle, WA Well ID Well ID Well ID D B - G MM IH Well Condition: Hydrocarbon Thickness: Total Depth Depth to Water Total Depth Depth to Water Depth to Water Depth to Water Disposable Bailer Stack Pump Suction Pump Grundfos Other: Start Time (purge): Start Time (purge): Sumple Time/Date: Weather Conditions: Water Color: Did well de-water? Weather Conditions: Water Color: Did well de-water? Weather Conditions: Water Color: Did well de-water? LABORATORY INFORMAÇUÓN SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES X yamber YES HCL NoRTHCREEK IPH-Distrex LABORATORY INFORMAÇUÓN LABORATORY INFORMAÇUÓN SAMPLE ID X yamber YES HCL NORTHCREEK DISSOLVED LEAD COMMENTS: Uwable to access car parted ores Inchemical Sample (Inchemical (productival) (prod	Sampler: Seattle, WA Seattle, WA Sampler:	Client/Facility #:	ChevronTexaco #21	1577	Job Number:	386/65	
Well ID DB - G M H Well Condition: Well Diameter It. Hydrocarbon It. Hydrocarbon It. Mydrocarbon It. Mydrocarbon It. Hydrocarbon It. Mydrocarbon It.		Site Address:	631 Queen Anne No	orth	Event Date:	6-30-03	(inc
Well ID	Well ID DB - 6 (MW H) Well Condition: UTA Amount Bailed (product/water):	ity:	Seattle, WA		Sampler:	BWN	
Volume Sampling Suction Pump Suction Pump Suction Pump Squade Sampling Sampling Sampling Sampling Suction Pump Squade Sampling Sampling Suction Pump Squade Sampling Sampling Suction Pump Squade Sampling Sampling Sampling Sampling Squade Sampling Sampling Squade Squa	Vell Diameter 2 / 8 in. Hydrocarbon Thickness: In Hydrocarbon Thickness: In Hydrocarbon				140		
Total Depth ft. Thickness: ft. (product/water): gal. Volume factor (vF) 3/4"= 0.02 1"= 0.04 2"= 0.17 3"= 0.38 4"= 0.08 5"= 1.02 6"= 1.50 12"= 5.80	Total Depth ft. Thickness: ft. (product/water): gal. Volume factor (vF) depth to Water ft. Thickness: ft. (product/water): gal. Volume factor (vF) depth for Water ft. (product/water): ft. (product/water): gal. Volume factor (vF) depth for Water ft. (product/water): gal. Volume factor (vF) depth for Water ft. (product/water): gal. Volume factor (vF) depth for Water ft. (product/water): gal. Volume: gal. Vo	Well ID		Well Condition	1: V V (3)		
Columbe Tit Columbe State Tit Columbe State Columbe State Columbe	Comments	Well Diameter	2 / 8 in.	•	D)		OF and
Conductivity Cond	Sampling Disposable Bailer Sampling Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other: Start Time (purge): Weather Conditions: Water Color: Did well de-water? If yes, Time: Volume: Gal. Odor: Volume: Gal. Odor: Did well de-water? Did well de-water? If yes, Time: Volume: Gal. Odor: Do. ORP (mg/L) Odor:	Total Depth	**************************************	Thickness:	// ft.		
Purge Disposable Bailer Sampling Disposable Bailer Equipment: Stainless Steel Bailer Stack Pump Discrete Bailer Discrete Bailer Other: Start Time (purge): Weather Conditions: Water Color: Odor: Purging Flow Rate: gpm: Sediment Description: Did well de-water? If yes, Time: Volume: gal. Time (2400 hr.) (gel.) Volume pH Conductivity Terpherature (mg/L) (my/L) (my/L) LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY THEOGETEX TPH-Ds w/sg - x xoaviel YES HCL NORTHCREEK TPH-Ds w/sg - x xooml poly YES NP NORTHCREEK DISSOLVED LEAD	Purge Disposable Bailer Sampling Disposable Bailer Equipment: Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other: Start Time (purge): Weather Conditions: Water Color: Odor: Purging Flow Rate: gpm; Sediment Description: Did well de-water? Time (2400 hr.) (gfal.) Ph Conductivity (umhos/cm) Temperature (2400 hr.) (gfal.) PRESERV. TYPE LABORATORY INFORMATION LABORATORY INFORMATION ANALYSES AMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES LABORATORY INFORMATION ANALYSES LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (**) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (**) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (**) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (**) CONTAINER REFRIG. PRESERV. TYPE LABORATORY INFORMATION ANALYSES A SAMPLE ID (**) CONTAINER REFRIG. PRESERV. TYPE LABORATORY	Depth to Water	ft.				
Equipment: Stainless Steel Bailer Stack Pump Discrete Bailer Discrete Bailer Discrete Bailer Other: Start Time (purge): Weather Conditions: Water Color: Odor: Purging Flow Rate: gpm Sediment Description: Did well de-water? If yes, Time: Volume: gal. Time (2400 hr.) (gal.) PH Conductivity (umhos/cm) (C/F) (mg/L) (mV) LABORATORY INFORMATION LABORATORY PLAGRATORY PLAGRATO	Stant Time (purge):		xVF	==	_ x3 (case volume) = I	Estimated Purge Volume	gal.
Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other: Start Time (purge): Sediment Description: Did well de-water? Time (2400 hr.) (gal.) LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY THI-G/BTEX Anner YES HCL NORTH-CREEK TPH-Dx w/sg - x 500ml poly YES NP NORTH-CREEK DISSOLVED LEAD	Stark Pump Suction Pump Grundfos Other: Start Time (purge): Weather Conditions: Sample Time/Date: Purging Flow Rate: gprp: Sediment Description: Did well de-water? Time (2400 hr.) SAMPLE ID SAMPLE ID	Durge	Dianocable Railer	7	Sampling	Disposable Bailer	
Stack Pump Suction Pump Grundfos Other: Start Time (purge): Start Time (purge): Weather Conditions: Water Color: Purging Flow Rate: Did well de-water? Time (2400 hr.) Sample Time/Qal.) Volume: Unhos/cm) LABORATORY INFORMATION SAMPLE ID X vog vial X samber X samber X samber X samber X samber X samber X soming by YES HCL NORTH-CREEK NORTH-CREEK NORTH-CREEK TPH-Dx w/sg NORTH-CREEK	Stark Pump Suction Pump Grundfos Other: Start Time (purge): Sample Time/Date: Purging Flow Rate: Sediment Description: Did well de-water? Time (2400 hr.) Sediment Description: Flower Color: Volume: Sediment Description: Volume: (2400 hr.) Sediment Description: Volume: (2400 hr.) Sediment Conductivity (2400 hr	_	· · · · · · · · · · · · · · · · · · ·		Equipment:	Pressure Bailer	
Suction Pump Grundfos Other: Start Time (purge):	Suction Pump Grundfos Other: Start Time (purge): Sample Time/Date: Purging Flow Rate: Purging Flow Rate:					Discrete Bailer	
Start Time (purge): Sample Time/Date: Purging Flow Rate: Did well de-water? Time (2400 hr.) Sample Time/Date: Physical Conductivity (minos/cm) LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY PRESERV. TYPE LABORATORY THE CONTAINER TENDER TO CONTAINER TENDER TO CONTAINER TENDER TENDER TO CONTAINER TENDER TO CONTAINER TENDER TE	Start Time (purge): Start Time (purge): Weather Conditions: Water Color: Purging Flow Rate: Did well de-water? Sediment Description: If yes, Time: Conductivity (umhos/cm) LABORATORY INFORMATION SAMPLE ID X vog vial X amber X sooml poly YES HCL NORTHCREEK NORTHCREEK TPH-Dx w/sg NORTHCREEK NORTHCREEK NORTHCREEK TPH-Dx w/sg NORTHCREEK NORTHCREEK TPH-Dx w/sg NP NORTHCREEK TPH-Dx w/sg TWH THE TWH	×				Other:	
Start Time (purge): Sample Time/Date: Purging Flow Rate: Did well de-water? Volume (2400 hr.) (gál.) pH (umhos/cm) (C/F) (mg/L) (mV)	Start Time (purge): Sample Time/Date: Purging Flow Rate: Did well de-water? Time (2400 hr.) SAMPLE ID **SAMPLE ID **Sooml poly YES **NP **Nog vial **Nog		_	/			
Sample Time/Date: Sediment Description: Qdor: Qdor: Qdor: Qdor: Qdor: Qdor: Qdor: Qdor: Qdor:	Sample Time/Date: Purging Flow Rate: Did well de-water? Time (2400 hr.) Sample Time/Date: Did well de-water? Time (2400 hr.) Sample ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY THI-G/BTEX - x voa vial YES HCL NORTHCREEK TPH-G/BTEX - x amber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD COMMENTS: COMMENTS: Water Color: Odor: Analyses PRESERV. TYPE LABORATORY Northcreek TPH-G/BTEX NORTHCREEK TPH-Dx w/sg NORTHCREEK DISSOLVED LEAD		\				
Sample Time/Date: Sediment Description: Qdor: Qdor: Qdor: Qdor: Qdor: Qdor: Qdor: Qdor: Qdor:	Sample Time/Date: Purging Flow Rate: Did well de-water? Time (2400 hr.) Sample Time/Date: Did well de-water? Time (2400 hr.) Sample Time/Date: LABORATORY INFORMATION SAMPLE ID X vog vial YES HCL NORTHCREEK TPH-G/BTEX - x amber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD COMMENTS: Volume: Gal. D.O. ORP (mg/L) (mV) Conductivity (umhos/cm) / (C/F) LABORATORY INFORMATION ANALYSES ANALYSES NORTHCREEK TPH-G/BTEX NORTHCREEK TPH-Dx w/sg NORTHCREEK DISSOLVED LEAD						
Sample Time/Date:	Sample Time/Date: gpm: Sediment Description: Did well de-water? Sediment Description:	Start Time (pure	ge):	Veather Condition	is:		
Purging Flow Rate: gpm/ Sediment Description: Did well de-water? Time (2400 hr.) (gal.) LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES - x vog vial YES HCL NORTHCREEK TPH-G/BTEX - x mber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD	Purging Flow Rate: gpm. Sediment Description: Did well de-water? Time (2400 hr.) (gal.) LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY - x vog vial YES HCL NORTHCREEK TPH-O/BTEX - x amber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD COMMENTS: Unable to access CM parted over			Water Cole	or:	Odor:	
Time (2400 hr.) (gal.) pH (umhos/cm) Temperature (C/F) (mg/L) (my/) LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES - x vog vial YES HCL NORTHCREEK TPH-G/BTEX - x amber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD	Time (2400 hr.) Volume (vail.) pH (conductivity (umhos/cm) Temperature (C/F) (mg/L) (my/) LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY TPH-G/BTEX - x vog vial YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD COMMENTS: Unable to access car parted over	•		ediment Description			
Time (2400 hr.) (gal.) pH (umhos/cm) (C/F) (mg/L) (mV) LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES - x voa vial YES HCL NORTHCREEK TPH-G/BTEX - yamber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD	Time (2400 hr.) (gal.) pH (conductivity (umhos/cm) (C/F) (mg/L) (mV) LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES - x voa vial YES HCL NORTHCREEK TPH-G/BTEX - x amber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD COMMENTS: Voa vial YES NP NORTHCREEK DISSOLVED LEAD	Did well de-wat	ter? If yes	s, Time:	Volume:/	gal.	
LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES - x vog vial YES HCL NORTHCREEK TPH-G/BTEX - x amber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD	LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES - x vog vial YES HCL NORTHCREEK TPH-C/BTEX - x amber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD COMMENTS: Unable to access car parted over			Conductivity	Temperature	D.O.	ORP
LABORATORY INFORMATION SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES - x voa vial YES HCL NORTHCREEK TPH-G/BTEX - x amber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD	SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES - x voa vial YES HCL NORTHCREEK TPH-G/BTEX - xamber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD COMMENTS: Unable to access car parted area		Volume pH (gal.)			(mg/L)	(mV)
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES -	SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES -	,			_/		
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES -	SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES -						
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES -	SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY -		<u> </u>				
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES - x voa vial YES HCL NORTHCREEK TPH-G/BTEX - x amber YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD	SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY -						
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES -	SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY -						
SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES -	SAMPLE ID (#) CONTAINER REFRIG. PRESERV. TYPE LABORATORY -						
SAMPLE ID (#) CONTAINEN REFRIG. PRESERV. TE NORTHCREEK TPH-G/BTEX - x voa vial YES HCL NORTHCREEK TPH-Dx w/sg - x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD	SAMPLE ID (#) CONTAINEN REFRIG. FRESERV. THE -		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			RY ANA	ALYSES
- X WOR WIRD - X amber YES HCL NORTHCREEK TPH-Dx W/sg - X 500ml poly YES NP NORTHCREEK DISSOLVED LEAD	- xamber YES HCL NORTHCREEK TPH-Dx W/sg - x500ml poly YES NP NORTHCREEK DISSOLVED LEAD COMMENTS: Unable to access car parked over		(/		1 \		
- x 500ml poly YES NP NORTHCREEK DISSOLVED LEAD	COMMENTS: Unable to access car parted over	-				EK TPH-Dx w/sg	
COMMENTS: Unable to access car parked over		-			NORTHCRE	EK DISSOLVED LEAD)
COMMENTS: Unable to access car parked over							<u> </u>
COMMENTS: Unable to access can parten over					00012		
		COMMENTS	: Unable to a	ccess cut	parted or	<u> </u>	



lient/Facility#: C	hevronTexaco	#211577	J	ob Number:	38 6765			
	31 Queen Anne		E	vent Date:	6-30-U	3		(inclusive
-	eattle, WA		S	Sampler:	BMN			
Vell ID	DB - 8 LMW 1	15) Well	Condition:	UTA				
Vell Diameter	2 / 8 in.		ocarbon –		Amount	Bailed		
otal Depth	ft.		kness:	ft.	(product/	water):	gal.	
Depth to Water	VTP ft.		Volume Factor (VF)	3/4"= 0.02 4"= 0.66	1"= 0.04 5"= 1.02	2"= 0.17 6"= 1.50	3"= 0.38 12"= 5.80	-
_	xVF _	=	x	3 (case volume) = E	stimated Pur	ge Volume: _	gal.	
Purge [Disposable Bailer	_		Sampling	Disposabl	e Bailer		
.	Stainless Steel Baile	er /	/ 	Equipment:	Pressure I	Bailer _		
	Stack Pump				Discrete E	Bailer _		
\.	Suction Pump	-/-			Other:			
	Grundfos	/)		
	Other:	/						
		,			/			
Otal Time (Monther	Conditions:		/			
Start Time (purge):		/	Conditions:		_/	Odor:		•
Sample Time/Date	e:	v	Vater Color:			Odor: _		
Sample Time/Date Purging Flow Rate	e: gpm.	/V Sediment	Vater Color: Description:		, aa			
Sample Time/Date	e: gpm.	/V Sediment	Vater Color:		gal			
Sample Time/Date Purging Flow Rate Did well de-water?	e: gpm.	Sediment	Vater Color: Description:	Volume:	gal	l.	ORP	
Sample Time/Date Purging Flow Rate	e: gpm.	Sediment figes, Time:	Vater Color: Description:			l. o.		
Sample Time/Date Purging Flow Rate Did well de-water?	e: gpm.	Sediment figes, Time:	Vater Color: Description: onductivity	Volume:	D.0	l. o.	ORP	
Sample Time/Date Purging Flow Rate Did well de-water?	e: gpm.	Sediment figes, Time:	Vater Color: Description: onductivity	Volume:	D.0	l. o.	ORP	
Sample Time/Date Purging Flow Rate Did well de-water?	e: gpm.	Sediment figes, Time:	Vater Color: Description: onductivity	Volume:	D.0	l. o.	ORP	
Sample Time/Date Purging Flow Rate Did well de-water?	e: gpm.	Sediment figes, Time:	Vater Color: Description: onductivity	Volume:	D.0	l. o.	ORP	
Sample Time/Date Purging Flow Rate Did well de-water?	e: gpm.	Sediment figes, Time:	Vater Color: Description: onductivity	Volume:	D.0	l. o.	ORP	
Sample Time/Date Purging Flow Rate Did well de-water?	e: gpm.	Sediment figes, Time:	Vater Color: Description: onductivity	Volume:	D.0	l. o.	ORP	-
Sample Time/Date Purging Flow Rate Did well de-water?	e: gpm.	Sediment yes, Time:	Vater Color: Description: onductivity mhos/cm)	Volume: Temperature (C/F)	D.0	l. o.	ORP	-
Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	S: gpm. If	Sediment yes, Time:	Vater Color: Description: onductivity	Volume: Temperature (C/F)	D.6 (mg	l. o.	ORP (mV)	
Sample Time/Date Purging Flow Rate Did well de-water?	S: gpm. If	Sediment yes, Time:	Vater Color: Description: onductivity mhos/cm)	Volume: Temperature (C/F) ORMATION LABORATOR	Y TPH-G/E	I. O. //L)	ORP (mV)	
Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	yolume (gal.) (#) CONTAINER x voa yiél x anyiber	Sediment yes, Time: PH Co (u LABOI REFRIG. PR YES YES	Vater Color: Description: onductivity mhos/cm) RATORY INFRESERV. TYPE HCL HCL	Volume: Temperature (C/F) ORMAT/ON LABORATOR NORTHCREE	Y K TPH-G/E	ANAL BTEX w/sg	ORP (mV)	
Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	yolume (gal.) (#) CONTAINER x voa vjel	Sediment yes, Time:	Vater Color: Description: onductivity mhos/cm) RATORY INFORMARESERV. TYPE HCL	Volume: Temperature (C/F) ORMATION LABORATOR	Y K TPH-G/E	I. O. //L)	ORP (mV)	
Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	yolume (gal.) (#) CONTAINER x voa yiél x anyiber	Sediment yes, Time: PH Co (u LABOI REFRIG. PR YES YES	Vater Color: Description: onductivity mhos/cm) RATORY INFRESERV. TYPE HCL HCL	Volume: Temperature (C/F) ORMAT/ON LABORATOR NORTHCREE	Y K TPH-G/E	ANAL BTEX w/sg	ORP (mV)	
Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.) SAMPLE ID	yolume (gal.) (#) CONTAINER x voa yiél x anyiber	Sediment yes, Time: PH Country LABOR REFRIG. PR YES YES YES	RATORY INF	Volume:	Y K TPH-G/E	ANAL BTEX w/sg	ORP (mV)	
Sample Time/Date Purging Flow Rate Did well de-water? Time (2400 hr.)	(#) CONTAINER x voa vjel x ayriber x 500mi poly	Sediment yes, Time: PH Country LABOR REFRIG. PR YES YES YES	RATORY INF	Volume:	Y K TPH-G/E K TPH-Dx K DISSOL	ANAL BTEX w/sg	ORP (mV)	



lient/Facility #	ChevronTexaco #21	1577	Job Number:	386765		•
Site Address:	631 Queen Anne No	orth	Event Date:	7-1-03		(inclusiv
	Seattle, WA		Sampler:	BWN		
City:	Ocatile, WA					
Well ID	DB-9(MW 16)	Well Condition:	Unable	to access		_
Well Diameter	2 / 8 in.	Hydrocarbon		Amount Bailed		
Total Depth	ft.	Thickness:	ft.	(product/water):	gal.	-
Depth to Water	ft.	Volume	3/4"= 0.02		3"= 0.38	
		Factor (V		5"= 1.02 6"= 1.50	12"= 5.80	J
	xVF	=	x3 (case volume) =	Estimated Purge Volume:	gal	•
		7	Sampling	Disposable Bailer		
Purge	Disposable Bailer		Equipment:	- D 3		
Equipment:	Stainless Steel Bailer					-
	Stack Pump			Other:		_
	Suction Pump		•	Other.		_
	Grundfos	/		/		
	Other:			/		
Purging Flow R Did well de-wat	ter? If yes	Conductivity (u mhos/cm)		gal. D.O. (mg/L)	ORP (mV)	- - -
		LABORATORY	NEOBWAZION			
SAMPLE ID	(#) CONTAINER REF		PE LABORATO	ORY ANA	LYSES	
- SAMI EE ID	x voa vial YE		NORTHCRE			
-	x amber YE		NORTHCRE			
-	x 500ml poly YE	S 1NP	NORTHCRE	EK DISSOLVED LEAD		
					<u></u>	
COMMENTS	: Unable to a	icess car]	parked ove			
Add/Rep	olaced Lock:		Add/Replaced	d Plug:S	Size:	



lient/Facility #: <u>C</u>	hevronTexaco	<i>"</i>	_ Job Number:	386/65		•
Site Address: 6	31 Queen Anne	North	Event Date:	7-1-53	((inclusiv
	eattle, WA		– Sampler:	BWN		
	outio, TTA					
Vell ID	PB - 10 (MW	(7) Well Conditi	ion: UTA			
Vell Diameter	2 / 8 in.	Hydrocarbo		Amount Bailed		
otal Depth	1 H-N ft.	Thickness:	rı ft.		gal.	
Depth to Water	VT ""			- ''	3"= 0.38	
Deptil to Water _	V (1t.	Volui Facto	me 3/4 = 0.02 or (VF) 4"= 0.66	5"= 1.02 6"= 1.50	12"= 5.80	
_	xVF _	=	x3 (case volume) =	Estimated Purge Volume: _	gal.	
Purge [Disposable Bailer		Sampling	Disposable Bailer		
	Stainless Steel Bail	er //	Equipment:	Pressure Bailer		
	Stack Pump	- <i>H</i>		Discrete Bailer		
	Suction Pump	/ /		Other:		
	Grundfos	/)		
(Other:			/		
			\rightarrow			
Start Time (purge):		/ Weather Conditi	ons:			
Sample Time/Date		Water C		Odor:		
Purging Flow Rate		Sediment Descrip				
Did well de-water?		f yes, Time:		gal.		
				. 50	ODD	
Time	Volume /	pH Conductivit		D.O. (mg/L)	ORP (mV)	
(2400 hr.)	(gal.)	(a minosioni				
						
						
	/					
						
		LABORATOR	Y INFORMATION			
SAMPLE ID	(#) CONTAINER	REFRIG. PRESERV.	TYPE LABORATO		YSES	
SAMPLE ID	x voa vial	REFRIG. PRESERV. YES HCL	NORTHCRE	K TPH-G/BTEX	YSES	
SAMPLE ID	x voa vial x amber	REFRIG. PRESERV. YES HCL YES HCL	NORTHCRE	EK TPH-G/BTEX EK TPH-Dx w/sg	YSES	
SAMPLE ID	x voa vial	REFRIG. PRESERV. YES HCL	NORTHCRE	EK TPH-G/BTEX EK TPH-Dx w/sg	YSES	
SAMPLE ID	x voa vial x amber x 500ml poly	REFRIG. PRESERV. YES HCL YES HCL YES NP	NORTHCRE NORTHCRE	EK TPH-G/BTEX EK TPH-Dx w/sg EK DISSOLVED LEAD	YSES	
SAMPLE ID	x voa vial x amber x 500ml poly	REFRIG. PRESERV. YES HCL YES HCL	NORTHCRE NORTHCRE	EK TPH-G/BTEX EK TPH-Dx w/sg EK DISSOLVED LEAD	YSES	



GETTLER-RYAN INC.

Client/Facility #:	ChevronTexaco	#21157	77 .	Job Number:	386765			.
Site Address:	631 Queen Anne			Event Date:		-03		(inclusiv
City:	Seattle, WA			Sampler:	BMN			-
				v				
Well ID	RW-2	٧	Vell Condition:	or_			100	•
Well Diameter	2 / (8) in.		lydrocarbon	es .		nt Bailed		
Total Depth	21.40 ft.	Т	hickness:	ft.	• •	ct/water):/	gal.	- 1
Depth to Water	13.72 ft.		Volume Factor (VF	3/4"= 0.02 4"= 0.66	1"= 0.04 5"= 1.02	2"= 0.17 6"= 1.50	3"= 0.38 12"= 5.80	
	7.68 xVF		· L	(3 (case volume) = I	Estimated P	urge Volume:	gal.	•
	^**						/	
Purge	Disposable Bailer		<u> </u>	Sampling	•	ble Bailer _	У	-
Equipment:	Stainless Steel Bai	ler		Equipment:	Pressure	-		-
	Stack Pump				Discrete			-
	Suction Pump				Other: _			-
	Grundfos							
	Other:							
					Y 7			
Start Time (pur		Weat	her Conditions:			04	~D	_
Sample Time/[Date: 1340 /		Water Color:		•	Odor:	TI U	-
Purging Flow F			ent Description			_1		_
Did well de-wa	ter?	lf yes, Tin	ne:	_ Volume:	9	al.		
Time	Volume		Conductivity	Temperature		D.O.	ORP	
(2400 hr.		рН	(u mhos/cm)	(C/ /)	(r	ng/L)	(mV)	
				12 7				
1330	5	1.4	304	12.7				
<u> </u>								
								_
		LA	ABORATORY IN	ORMATION				
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYP				LYSES	
RW - I		YES	HCL	NORTHCRE		S/BTEX		
PW-2	x amber	YES	HCL	NORTHCRE NORTHCRE		Dx w/sg DLVED LEAD		
PW-2	x 500ml poly	YES	NP	NORTHORE	LIC DIOC.	32723 1127.12		
COMMENTS	· Orac ta	inac	cessible sampled	location	behin	d lock	ed gate	<u>, </u>
COMMENTS	· ONE IF	Hon	Sampled	3			U	
<u>Bailed</u>	5 gm -	INEX.	Julian					
				Add/Replaced		_		



Client/Facility #:	ChevronTexaco #21	1577	Job Number: 3	86765	
Site Address:	631 Queen Anne No		Event Date:	630-03	(inclusiv
City:	Seattle, WA		Sampler:	BWN	
Well ID	RW. 3	Well Condition	1: UTL		
Well Diameter	2 / 8 in.	Hydrocarbon		Amount Bailed	
Total Depth	. ft.	Thickness:	ft.	(product/water):	gal.
Depth to Water	UTL ft.	Volume Factor (1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50	3"= 0.38 12"= 5.80
	xVF	=	_x3 (case volume) = Es	timated Purge Volume:	gal.
Purge	Disposable Bailer	7	Sampling [Disposable Bailer	
Equipment:	Stainless Steel Bailer			Pressure Bailer	
	Stack Pump		į.	Discrete Bailer _	
	Suction Pump		•	Other:	
	Grundfos		· . · · · ·		
	Other:				
				/	
Start Time (purg	e):	eather Condition	ns:	/	
Sample Time/Da	ate: /	/ Water Cold	or:	Odor: _	
Purging Flow Ra	ate: gpm. Se	diment Descriptic			
Did well de-water	er?lf/yes	, Time:	Volume: /	gal.	
Time (2400 hr.)	Volume pH	Conductivity (u mhos/cm)	Temperature (¢/F)	D.O. (mg/L)	ORP (mV)
		_ \			
	/				
	_ /				
SAMPLE ID	(#) CONTAINER REFR	LABORATORY II		ANAL	YSES
SAIVIPLE ID	(#) CONTAINER REFE		NORTHCREEK		
-	amber YE		NORTHCREEK	TPH-Dx w/sg	
-	500ml poly YE		MORTHCREEK	DISSOLVED LEAD	
COMMENTS:	Unable to lo	cate in o	ipprox. area	of sewa	grove



lient/Facility #:	ChevronTexaco #2	211577	Job Number:	386765		
site Address:	631 Queen Anne N	lorth	Event Date:	6-30-03		(inclusiv
City:	Seattle, WA		Sampler:	BWN		
Vell ID	RW.H	Well Condition	: Unable	to access		
Vell Diameter	2 / 8 in.	Hydrocarbon		Amount Bailed		
Total Depth	ft.	Thickness:	ft.	(product/water):	gal.	•
Depth to Water	UTA ft.	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38	
sopiii to tratoi		Factor (5"= 1.02 6"= 1.50	12"= 5.80	}
	xVF	=	_x3 (case volume) =	Estimated Purge Volume:	gal.	
				-		
Purge	Disposable Bailer		Sampling Equipment:	Disposable Bailer _		-
Equipment:	Stainless Steel Bailer		Equipment.	Pressure Bailer _		-
. \	Stack Pump		<i>;</i>	Discrete Bailer		-
	Suction Pump			Other:		-
	Grundfos		/			
	Other:					
						
Start Time (purg	ye):	Weather Condition	ıs:			_
Sample Time/D		Water Cole	δί:	Odor: _		-
Purging Flow R		Sediment Description				-
Did well de-wat		es, Time:	Volume:/	gal.		
		On an advantable day.	Temperature	D.O.	ORP	
Time (2400 hr.)	Volume pl	Conductivity (u mhos/cm)	(CXF)	(mg/L)	(mV)	
(2400 111.)	(90)					_
	/					_
***************************************			/	-		
				<u> </u>		_
				_\		-
		LABORATORY				 1
SAMPLE ID	7.7 5 5 1 1	FRIG. PRESERV. TY			YSES	
•		YES HCL	NORTHCRE NORTHCRE			
-		YES HOL	NORTHCRE			
-	x 500ml perfy	123				
	Unchle to	access cas	parked	oves		
	DIMOLD 10	VIII CO	- 			
COMMENTS:			•			



	ChevronTexa	····		Job Number: 3	86765		
Site Address:	631 Queen A	nne North	1	Event Date:	7-1-33		(inclusi
City:	Seattle, WA			Sampler:	BWN		
Well ID	RW - 5		Well Condition:	ok_			
Nell Diameter	2 / (8) in.	· ·	Hydrocarbon	N	Amount Bailed	D	
Total Depth	14,25 ft.	•	Thickness:	ft.	(product/water):	gal.	
Depth to Water	11,91 ft.	_	Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38	
	2-34		Factor (V	 	5"= 1.02 6"= 1.50	12"= 5.80	
		xVF		x3 (case volume) = Es	timated Purge Volume:	gal.	
Purge	Disposable Bail	or		Sampling [Disposable Bailer		
Equipment:	Stainless Steel				Pressure Bailer		
	Stack Pump				Discrete Bailer		
	Suction Pump				Other:		
	Grundfos						
	Other:						
Start Time (purg	je): [400	Weat	ther Conditions	: Sunny			
Sample Time/Da	ate: <u>1415</u> /	-	Water Colo	r: <u>g(a)</u>	Odor:	slight	
Duraina Flour D	ate: gpm	Sedim	ent Descriptior	n. <i>J</i>		<i>J</i>	
Purging Flow Ra	ate. gpm		on 1. 2000 p. 1.0.	1+			
Did well de-wate	· · · · · · · · · · · · · · · · · · ·		ne:	,	gal.		•
Did well de-wate	er? no		me:	Volume:		ORP	
	· · · · · · · · · · · · · · · · · · ·			,	gal. D.O. (mg/L)	ORP (mV)	
Did well de-wate Time (2400 hr.)	er? no Volume (gal.)	If yes, Tir	Conductivity	Volume: Temperature (C/5/)	D.O.		
Did well de-wate	er? no Volume	If yes, Tir	ne:	Volume:	D.O.		
Did well de-wate Time (2400 hr.)	er? no Volume (gal.)	If yes, Tir	Conductivity	Volume: Temperature (C/5/)	D.O.		
Did well de-wate Time (2400 hr.)	er? no Volume (gal.)	If yes, Tir	Conductivity	Volume: Temperature (C/5/)	D.O.		
Did well de-wate Time (2400 hr.)	er? no Volume (gal.)	If yes, Tir	Conductivity	Volume: Temperature (C/5/)	D.O.		
Did well de-wate Time (2400 hr.)	er? no Volume (gal.)	If yes, Tir	Conductivity	Volume: Temperature (C/F)	D.O.		
Time (2400 hr.)	er? no Volume (gal.)	If yes, Tir	Conductivity (u mhos/cm) 307 BORATORY IN PRESERV. TYP	Volume: Temperature (C/F) 12.8 FORMATION E LABORATORY	D.O. (mg/L)		
Time (2400 hr.) HIS SAMPLE ID FW - 5	volume (gal.) (#) CONTAINER x voa vi	If yes, Tir	Conductivity (umhos/cm) 302 ABORATORY IN PRESERV. TYP	Temperature (C/F) 12.8 FORMATION E LABORATORY NORTHCREEK	D.O. (mg/L) ANA TPH-G/BTEX	(mV)	
SAMPLE ID	er? no Volume (gal.) (#) CONTAINER 2 x voa vi x amb	J. 86 R REFRIG. ial YES er YES	Conductivity (umhos/cm) 302 ABORATORY IN PRESERV. TYP HCL HCL	FORMATION LABORATORY NORTHCREEK	D.O. (mg/L) ANA TPH-G/BTEX TPH-Dx w/sg	(mV)	
Time (2400 hr.) HIS SAMPLE ID FW - 5	volume (gal.) (#) CONTAINER x voa vi	J. 86 R REFRIG. ial YES er YES	Conductivity (umhos/cm) 302 ABORATORY IN PRESERV. TYP	Temperature (C/F) 12.8 FORMATION E LABORATORY NORTHCREEK	D.O. (mg/L) ANA TPH-G/BTEX TPH-Dx w/sg	(mV)	
SAMPLE ID	volume (gal.) (#) CONTAINER x voa vi x amb	If yes, Tir	Conductivity (u mhos/cm) 302 ABORATORY IN PRESERV. TYP HCL HCL NP	FORMATION E LABORATORY NORTHCREEK NORTHCREEK	D.O. (mg/L) ANA TPH-G/BTEX TPH-Dx w/sg DISSOLVED LEAD	(mV)	
SAMPLE ID	volume (gal.) (#) CONTAINER x voa vi x amb	If yes, Tir pH 6.86 REFRIG. ial YES er YES oly YES	Conductivity (umhos/cm) 302 BORATORY IN PRESERV. TYP HCL HCL NP	FORMATION E LABORATORY NORTHCREEK NORTHCREEK	D.O. (mg/L) ANA TPH-G/BTEX TPH-Dx w/sg	(mV)	pled
SAMPLE ID F.W - 5 F.W - 5 F.W - 5 COMMENTS:	volume (gal.) (#) CONTAINER x voa vi x amb x 500ml pc	If yes, Tir pH 6.86 REFRIG. ial YES er YES oly YES	Conductivity (u mhos/cm) 302 ABORATORY IN PRESERV. TYP HCL HCL NP	FORMATION E LABORATORY NORTHCREEK NORTHCREEK	D.O. (mg/L) ANA TPH-G/BTEX TPH-Dx w/sg DISSOLVED LEAD	(mV)	pled

Chevron Product P.O. Box 6004 San Ramon, CA 94	1 1.0	1	Chi	evron Facil											<u></u>	vron Co	ntact.		(Name)	BRETT	HUNTE	≘R		
P.O. Box 6004		- 1	ር ኮ			***** /	7							1	Cne	vron Co	III.acc.							
P.O. Box 6004		- 1	CIII	evron Facil Facility Add	ity #: <u>#</u>	31 OU	FEN A	NNE NO	ORTH, S	EATTL	E, WA								(Phone)			8		
P.O. Box 6004	_			racility Add ultant Proje												oratory		-	NORTH	CREEK				
Damas CA 9	: Co. 4		Consi		lama. G	ETTI E	R-RYAI	N INC.									Service		-					
ап каттоп, са э	4583			onsultant i	dress 6	747 SI	ERRA	COURT	, SUITI	E J, DL	BLIN,	CA 945	68				Service		- -a\	BE	<u>~ 14</u>	sudan		
FAX: (925) 842-8	8370			Project Co	ntact: (Name) [DEANN	A L. HA	ARDING	·						•	llected l	Ly: (Naii	Mu	11/1	\			
				Project Co	(Phone) 9	25-55	1-755	5	(Fax)	925-55	1-789	9		_	ature:								Remarks
		丄								tate M	ethod:	□ca	OR	✓wa	□ NV	v 🔲 N	v Serie	is LICO		- <u> </u> 10				DISSOLVED
					-	īŪ	Т		- Jag											fate		3		LEAD MASS
					Ì	(8015	}	ļ	5	es	suc		S.		2		.		1	lns/				FILTER
iners		_	tion						siller Siller	enat	carbo	inics	ganic		or AA) n, Ni	l	taph		ded	trate	_	1		Please
nber	10.	Jarcoa	serva			F +	(17)	ж	3 3	Oxygenates	Halo	Orga	e Or	rease	CAP (9E/N	e	xten	iN/y:	Iro	133	,	BM*
Num	5	C=C	Pre	ine ine		JEX	80. 80.	MT	esel	1	able (abte (ctabl) d G	라 (1 P. P.	~ 6	X/MT (03	- HCID	TPH-D Extended	Alkalinity/Nitrate/Sulfate	Ferrous Iron	D'issolvell		
Sample Number	i j	S= Soll A: W=Water	Sample Preservation	Date/Time		TPH-G/BTEX+MTBE +8021)	TPH-G/BTEX (8015 + 8021)	BTEX + MTBE (8260)	TPH Diesel (8015)	(8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or Cd, Cr, Pb, Zn,	втех (8020)	BTEX/MTBE/Naph. (8020)	H _d +	쇼브	¥ ¥	T.			Lab Sample No.
San	N E	S=S	လိ	Ö		草罕		(8)	1 (8	18	<u> </u>	ا م	<u> </u>											0,
QA 1	,	W	HC]	7 103	,		X				ļ	<u> </u>										X		02
	5	.1	1	1/2	45		X		X		<u> </u>	ļ										X		03
VP 2 5				 	310		メ		x							<u> </u>						7		C
		+	$\vdash \vdash$	+	50		X		X							ļ	<u> </u>	<u> </u>				+♦-	ļ —	Cf
VP 8 5		-	-	 	125		$\frac{\lambda}{\dot{\gamma}}$		X								<u> </u>	ļ	<u> </u>		<u> </u>	15		
VP 9 5							X		X												<u> </u>		ļ	.01
MW 4 =					40				 	 	1	-	 	 								1×_		0
WW 10 3	5			1 (130		\propto		X	ļ	<u> </u>		 	-	┼				1			X		6
	5			1 1	115		\times		X	 	 	ļ	 	-			╁		-		1	14		Oxy's (8260
DB (MW12) 3	5			10	000		\times		X	ļ		<u> </u>	ļ	<u> </u>	-	 			-		 	X		1 - MTBE
	5	1	11	1	340		\prec		X		<u> </u>				<u> </u>	<u> </u>		ļ		 -	-	+0	-	2 - TBA
	5	+	1		1415		X		X		_ <u> </u>							ļ		 	 	<u> </u>		3 - TAME 4 - DIPE
RW 5 3	<u>ی</u>	**	×	 	110		-	-	1 -									<u> </u>		<u> </u>				5 - ETBE
			 			<u> </u>		-	-	<u> </u>			<u> </u>											6 - 1,2-DCA
				<u> </u>	<u></u>			 					 		-	 		1						7 - EDB 8 - ETHANOL
							<u> </u>				٠		Organ	nization	l In:	l ate/Tim	 e	Iced (Y/N)	+-				
Relinquished By (S	Signa	ture)) .	Organi	zation	Date/T	lme	Recei	ved By (Signati	ıre) /		1				/ 03 IS:	1	1.90	1	Turn	Around 1	Time (C	ircle Choice)
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,	-																						18 Hrs. 5 Days	
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Relinquished By ((Signa	ature	J	Organi	-2011011					_		-										(As (Contrac	ted



CASE NARRATIVE for B3G0080

Client: Gettler-Ryan Inc.

Project Manager: Deanna Harding Project Name: Chevron #21-1577 Project Number: 386765.80

STREET CONTRACTORS

1.0 DESCRIPTION OF CASE

Eleven water samples were received in a single shipment as documented on the associated chain-of-custody. The scheduled analyses for these samples included: Gasoline Hydrocarbons and BTEX by NWTPH-Gx/EPA 8021B, Diesel Range Hydrocarbons by NWTPH-Dx, and Dissolved Lead by EPA 6020.

2.0 COMMENTS ON SAMPLE RECEIPT

The samples were received in the Bothell laboratory on July 2, 2003. The cooler temperature was documented at 4.9 degrees C. upon receipt in the laboratory. All sample containers were received in good condition.

3.0 COMMENTS ON PREPARATION AND ANALYSIS

Gasoline Hydrocarbons and BTEX by NWTPH-Gx/EPA 8021

The samples were originally extracted and analyzed in batch 3G08009. The results were reported on July 17, 2003. Mike Sharaeff from Gettler-Ryan requested that we check the results for sample VP-1 (B3F0080-02). A re-analysis of the extract (Voa Vial A) at 500x dilution showed results that were inconsistent with the original analysis which was performed at 1000x dilution. We had additional volume (Voa Vial B) for the sample so we extracted and analyzed that sample at a 500x dilution in batch 3H08805. Those results were comparable to the re-analysis of Voa Vial A at 500 x dilution. The sample was then analyzed at a 10x dilution. The final results are reported from the 10x dilution which was analyzed on August 8, 2003. The sample was out of holding time for the analysis on July 15, 2003.

Diesel Range Hydrocarbons by NWTPH-Dx

No anomalies were associated with sample preparation and analysis. All quality control measures were within acceptable ranges.

Dissolved Lead by EPA 6020

No anomalies or discrepancies were associated with this analysis other than those already qualified in the data. All quality control measures were within acceptable ranges.



Anchorage

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244

425.420.9200 fax 425.420.9210

Spokane

East 11115 Montgomery, Suite B, Spokane, WA 99206-4776 509.924.9200 fax 509.924.9290 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132

Portland

Bend

503.906.9200 fax 503.906.9210 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 541.383.9310 fax 541.382.7588 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119

907.563.9200 fax 907.563.9210

12 August 2003

Deanna Harding Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

RE: Chevron #21-1577



GETTLER-RYAN INC. GENERAL CONTRACTORS

Enclosed are amended results of analyses for samples received by the laboratory on 07/02/03 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanne Garthwaite **Project Manager**



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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Anchorage

Project Number: 386765.80 Project Manager: Deanna Harding

Amended Report Issued: 08/12/03 16:06

ANALYTICAL REPORT FOR SAMPLES - Amended

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
QA	B3G0080-01	Water	07/01/03 12:00	07/02/03 15:30
VP 1	B3G0080-02	Water	07/01/03 12:45	07/02/03 15:30
VP 2	B3G0080-03	Water	07/01/03 13:10	07/02/03 15:30
VP 8	B3G0080-04	Water	07/01/03 10:50	07/02/03 15:30
VP 9	B3G0080-05	Water	07/01/03 10:25	07/02/03 15:30
MW 4	B3G0080-06	Water	07/01/03 11:40	07/02/03 15:30
MW 10	B3G0080-07	Water	07/01/03 09:30	07/02/03 15:30
MW 11	B3G0080-08	Water	07/01/03 11:15	07/02/03 15:30
DB (MW 12)	B3G0080-09	Water	07/01/03 10:00	07/02/03 15:30
RW 2	B3G0080-10	Water	07/01/03 13:40	07/02/03 15:30
RW 5	B3G0080-11	Water	07/01/03 14:15	07/02/03 15:30



North Creek Analytical - Bothell

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

> North Creek Analytical, Inc. Environmental Laboratory Network



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541.383.9310 fax 541.382.7588

2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119 907.563.9200 fax 907.563.9210 Anchorage

Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Project Number: 386765.80 Project Manager: Deanna Harding

Amended Report Issued: 08/12/03 16:06

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QA (B3G0080-01) Water	Sampled: 07/01/03 12:00	Received:	07/02/03 15	5:30		······································			
Gasoline Range Hydrocarbon		50.0	ug/l	1	3G08009	07/08/03	07/08/03	NWTPH-Gx/8021B	
Benzene	ND	0.500	11	**	11	И	n	и	
Toluene	ND	0.500	11	11	0	n	11	n ·	
Ethylbenzene	ND	0.500	#1	n ·		ij	11	H	
Xylenes (total)	ND	1.00	n	11	11	H		"	
Surrogate: 4-BFB (FID)	102 %	62-127			. "	"	и ·	"	
Surrogate: 4-BFB (PID)	109 %	72-127			"	"	11	"	
VP 1 (B3G0080-02RE1) W		12.45 Rec	eived: 07/0:	2/03 15:30					I-02, X
		500	ug/l	10	3H08005	08/08/03	08/08/03	NWTPH-Gx/8021B	
Gasoline Range Hydrocarl	36.8	5.00	u _B r.	11	81	n	11	lt .	
Benzene Toluene	49.2	5.00	11	"	11	**	н	II.	
	47.1	5.00	**	**	"	, п	11	н	
Ethylbenzene Xylenes (total)	618	10.0	"	u	u	н	If	lt -	
	112 %	62-127			"	"	11	"	
Surrogate: 4-BFB (FID)	107 %	72-127			"	"	n	"	
Surrogate: 4-BFB (PID)				15.20					
VP 2 (B3G0080-03) Water	Sampled: 07/01/03 13:1					0.77.10.0.10.0	07/00/02	NWTPH-Gx/8021B	
Gasoline Range Hydrocar	bons 3330	250	ug/l	5	3G08009	07/08/03	07/08/03	NWIPH-UX/602ID	
Benzene	180	2.50	11	"		"	" "	**	
Toluene	58.8	2.50	n		"	,,		u	
Ethylbenzene	32.4	2.50	11	"	. 0	,, It		11	
Xylenes (total)	510	5.00							
Surrogate: 4-BFB (FID)	103 %	62-127			"	"	н	<i>n</i>	
Surrogate: 4-BFB (PID)	112 %	72-127			"	"	"	"	

North Creek Analytical - Bothell



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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Anchorage

Project Number: 386765.80 Project Manager: Deanna Harding

Amended Report Issued: 08/12/03 16:06

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B North Creek Analytical - Bothell

		Reporting							N
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
VP 8 (B3G0080-04) Water	Sampled: 07/01/03 10:50	Received:	07/02/03	15:30					
Gasoline Range Hydrocarbo	ons 379	100	ug/l	2	3G08009	07/08/03	07/08/03	NWTPH-Gx/8021B	
Benzene	2.68	1.00	n	н	**	11	"	n	
Toluene	1.57	1.00	11	11	п	н	11	u	
Ethylbenzene	3.70	1.00	Ħ	ıı	Ħ	11	11	11	
Xylenes (total)	4.69	2.00	11	11	0	11	11	11	
Surrogate: 4-BFB (FID)	101 %	62-127			"	"	"	"	
Surrogate: 4-BFB (PID)	122 %	72-127			"	"	"	"	
VP 9 (B3G0080-05) Water	Sampled: 07/01/03 10:25	Received:	07/02/03	15:30					
Gasoline Range Hydrocarbo	ons 681	50.0	ug/l	1	3G08009	07/08/03	07/08/03	NWTPH-Gx/8021B	
Benzene	1.22	0.500	#1	11	**	ŧI	11	"	
Toluene	0.735	0.500	н	"	11	H	**	"	
hylbenzene	5.07	0.500	11	n	n	11	U	· n	
splenes (total)	3.28	1.00			"	11	11	U	1-06
Surrogate: 4-BFB (FID)	162 %	62-127			"	"	n	"	S-04
Surrogate: 4-BFB (PID)	134 %	72-127			"	"	n n	"	S-04
MW 4 (B3G0080-06) Water	Sampled: 07/01/03 11:	40 Receive	d: 07/02/0	3 15:30					
Gasoline Range Hydrocarb	ons 108000	50000	ug/l	1000	3G08009	07/08/03	07/08/03	NWTPH-Gx/8021B	
Benzene	12100	500	"	н	Ħ	n	11	u	
Toluene	11200	500	u	11	u	**	n	11	
Ethylbenzene	2630	500	If	u	11	u	11	. "	
Xylenes (total)	15300	1000	11	#	lt .		***	II	
Surrogate: 4-BFB (FID)	96.9 %	62-127			"	"	n	"	
Surrogate: 4-BFB (PID)	111 %	72-127			"	"	"	n	

North Creek Analytical - Bothell



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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Anchorage

Project Number: 386765.80 Project Manager: Deanna Harding

Amended Report Issued: 08/12/03 16:06

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B North Creek Analytical - Bothell

Analyte	F Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 10 (B3G0080-07) Water	Sampled: 07/01/03 09:3	0 Receive	ed: 07/02/0	3 15:30					
Gasoline Range Hydrocarbons	255	50.0	ug/l	1	3G08009	07/08/03	07/08/03	NWTPH-Gx/8021B	
Benzene	2.01	0.500	. "	u	**	11	,,		
Toluene	ND	0.500	11	11	**	11	,,	"	1-06
Ethylbenzene	0.535	0.500	11	11	ti		u u		1-06
Xylenes (total)	2.53	1.00	u .						1-00
Surrogate: 4-BFB (FID)	107 %	52-127			"	"	**	"	
Surrogate: 4-BFB (PID)	113 %	72-127			"	"	n	<i>u</i> ·	
	Sampled: 07/01/03 11:1	5 Receiv	ed: 07/02/0	3 15:30					
	ND	50.0	ug/l	1	3G08009	07/08/03	07/08/03	NWTPH-Gx/8021B	
Gasoline Range Hydrocarbons	ND	0.500	11	u	II.	**	**	n	
Benzene Toluene	ND	0.500	u	u	11	u	"	N	
	ND	0.500	11	tt.	11		D.	11	
Ethylbenzene Xylenes (total)	ND	1.00	11	u	II .	n .		"	
		62-127			"	"	. ,,,	"	
Surrogate: 4-BFB (FID) Surrogate: 4-BFB (PID)		72-127			"	"	"	"	
_	ater Sampled: 07/01/0	3 10:00 I	Received: (7/02/03 15:	30				
DB (MW 12) (B3G0080-09) W	1010	50.0	ug/l	1	3G08009	07/08/03	07/08/03		
Gasoline Range Hydrocarbon	s 1040 2.91	0.500	ug.	11	н	n .	0	Ħ	1-0
Benzene	1.05	0.500	и	II.	11	11	11	u	1-0
Toluene	10.0	0.500	n	u	11	11	n'	ŧŧ	
Ethylbenzene	26.5	1.00	10	11	**	11	lt		
Xylenes (total)		62-127			"	"	"	"	
Surrogate: 4-BFB (FID) Surrogate: 4-BFB (PID)	111 % 102 %	72-127			<i>n</i>	"	"	n .	

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Project Number: 386765.80 Project Manager: Deanna Harding

Amended Report Issued: 08/12/03 16:06

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B North Creek Analytical - Bothell

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW 2 (B3G0080-10) Water Sample	d: 07/01/03 13:4	10 Received	: 07/02/03	15:30					
Gasoline Range Hydrocarbons	2380	500	ug/l	10	3G08009	07/08/03	07/08/03	NWTPH-Gx/8021B	
Benzene	53.5	5.00	11	**	н	#1	u	п .	
Toluene	8.72	5.00	1)	"	n.	H	U	11	
Ethylbenzene	39.8	5.00	н	n	n n	71	11	H .	
Xylenes (total)	43.2	10.0	11	**	11	11	"	II .	
Surrogate: 4-BFB (FID)	103 %	62-127			"	"	"	"	
Surrogate: 4-BFB (PID)	115 %	72-127		·.	"	"	"	n	
RW 5 (B3G0080-11) Water Sample	ed: 07/01/03 14:	15 Received	: 07/02/03	15:30					
Gasoline Range Hydrocarbons	2170	500	ug/l	10	3G08009	07/08/03	07/08/03	NWTPH-Gx/8021B	
Benzene	34.6	5.00	11	u	Ħ	11	0	ii .	
Toluene	20.3	5.00	n	11	u	и	II.	11	
Ethylbenzene	8.10	5.00	11	u	11	**	11	ti	
Assenes (total)	1050	10.0	U	11	II .	11	ft	11	
Surrogate: 4-BFB (FID)	66.2 %	62-127			"	"	"	"	
Surrogate: 4-BFB (PID)	118 %	72-127			n	"	"	"	

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Project Number: 386765.80

Project Manager: Deanna Harding

Amended Report

Issued: 08/12/03 16:06

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
VP 1 (B3G0080-02) Water Sampled	: 07/01/03 12:45	Received:	07/02/03 1	5:30					
Diesel Range Hydrocarbons	20.2	2.50	mg/l	10	3G06004	07/06/03	07/07/03	NWTPH-Dx	
Lube Oil Range Hydrocarbons	1.75	0.500	"	1		**	07/07/03	11	
Surrogate: 2-FBP	100 %	50-150	***		"	"	07/07/03	"	
Surrogate: Octacosane	110 %	50-150			"	rr .	07/07/03	"	
VP 2 (B3G0080-03) Water Sampled	: 07/01/03 13:10	Received:	07/02/03 1	5:30					
Diesel Range Hydrocarbons	35.9	2.50	mg/l	10	3G06004	07/06/03	07/08/03	NWTPH-Dx "	
Lube Oil Range Hydrocarbons	1.38	0.500		1		"	07/07/03		
Surrogate: 2-FBP	73.1 %	50-150			#	"	07/08/03	n	
Surrogate: Octacosane	102 %	50-150			"	"	07/07/03	"	
VP 8 (B3G0080-04) Water Sampled	l: 07/01/03 10:5	0 Received:	07/02/03	15:30					
Diesel Range Hydrocarbons	0.939	0.250	mg/l	1	3G06004	07/06/03	07/07/03	NWTPH-Dx "	
Lube Oil Range Hydrocarbons	ND	0.500		"				· · · · · · · · · · · · · · · · · · ·	
Surrogate: 2-FBP	80.6 %	50-150			"	H	"	,,	
Surrogate: Octacosane	87.9 %	50-150			н	"	"	,	
VP 9 (B3G0080-05) Water Sample	d: 07/01/03 10:2	5 Received	: 07/02/03	15:30					
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	3G06004	07/06/03	07/07/03	NWTPH-Dx "	
Lube Oil Range Hydrocarbons	ND	0.500	11						
Surrogate: 2-FBP	70.5 %	50-150			"	"	H	n	
Surrogate: Octacosane	72.1 %	50-150			"	"	"	.#	
MW 4 (B3G0080-06) Water Samp	led: 07/01/03 11	:40 Receive	ed: 07/02/0	3 15:30			<u> </u>		
Diesel Range Hydrocarbons	3.91	0.250	mg/l	1	3G06004	07/06/03	07/07/03	NWTPH-Dx "	
Lube Oil Range Hydrocarbons	ND	0.500	н	"	n :		11		
Surrogate: 2-FBP	122 %	50-150			"	"	"	"	
Surrogate: Octacosane	88.1 %	50-150			n	"	11	rt .	

North Creek Analytical - Bothell



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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Project Number: 386765.80 Project Manager: Deanna Harding

Amended Report Issued: 08/12/03 16:06

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 10 (B3G0080-07) Water	Sampled: 07/01/03 09:	30 Receive	ed: 07/02/0	3 15:30					
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	3G06004	07/06/03	07/07/03	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	u .	11		***	#I	н	
Surrogate: 2-FBP	73.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	77.8 %	50-150			"	"	"	"	
MW 11 (B3G0080-08) Water	Sampled: 07/01/03 11:	15 Receive	ed: 07/02/0	3 15:30					
Diesel Range Hydrocarbons	ND	0.250	mg/l	1	3G06004	07/06/03	07/07/03	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	!!			"		"	
Surrogate: 2-FBP	77.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	86.7 %	50-150			"	"	"	"	
DB (MW 12) (B3G0080-09) W	ater Sampled: 07/01/	03 10:00 R	eceived: 0	7/02/03 15:	30				
Diesel Range Hydrocarbons	1.69	0.250	mg/l	1	3G06004	07/06/03	07/07/03	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	"	lt .		H .	11		
Surrogate: 2-FBP	68.5 %	50-150			n	\boldsymbol{n}_{i}	. "	n	
Surrogate: Octacosane	82.8 %	50-150			"	"	"	"	
RW 2 (B3G0080-10) Water	Sampled: 07/01/03 13:4	0 Received	d: 07/02/03	15:30					
Diesel Range Hydrocarbons	0.505	0.250	mg/l	1	3G06004	07/06/03	07/07/03	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	и	н	11	н		0	
Surrogate: 2-FBP	76.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	75.2 %	50-150			"	n	<i>"</i> .	"	
RW 5 (B3G0080-11) Water	Sampled: 07/01/03 14:	15 Received	d: 07/02/03	15:30					
Diesel Range Hydrocarbons	8.01	0.500	mg/l	2	3G06004	07/06/03	07/08/03	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	0.500	n	1	11	ti	07/07/03	11	
Surrogate: 2-FBP	102 %	50-150			"	"	07/08/03	"	
Surrogate: Octacosane	75.9 %	50-150			"	"	07/07/03	n n	

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Anchorage

Project Number: 386765.80 Project Manager: Deanna Harding

Amended Report Issued: 08/12/03 16:06

Dissolved Metals by EPA 6000/7000 Series Methods North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
VD 1 (D2C0000 02) Water	Sampled: 07/01/03 12:45	Received:	07/02/03 1	5:30					Q-30
VP 1 (B3G0080-02) Water Lead	0.0132	0.00100	mg/l	1	3G03016	07/03/03	07/03/03	EPA 6020	
Lead		m	07/02/03 1	5.30					Q-30
VP 2 (B3G0080-03) Water	Sampled: 07/01/03 13:10			3.30	3G03016	07/03/03	07/03/03	EPA 6020	
Lead	0.00397	0.00100	mg/l	1	3003010	07/03/03	01105105	2,	O-30
VP 8 (B3G0080-04) Water	Sampled: 07/01/03 10:50	Received	07/02/03 1	5:30					<u>Q-30</u>
Lead	0.00206	0.00100	mg/l	1	3G03016	07/03/03	07/03/03	EPA 6020	
		Dacaived	: 07/02/03_1	15:30					Q-30
VP 9 (B3G0080-05) Water	Sampled: 07/01/03 10:25		mg/l	1	3G03016	07/03/03	07/03/03	EPA 6020	
Lead	ND	0.00100	· ·		500507-				Q-30
MW 4 (B3G0080-06) Wate	r Sampled: 07/01/03 11:4	0 Receive	d: 07/02/03	15:30				EDA 6030	
Lead	0.00785	0.00100	mg/l	1	3G03016	07/03/03	07/03/03	EPA 6020	
MW 10 (B3G0080-07) Wat	Sampled: 07/01/03 09:	30 Receiv	ed: 07/02/0	3 15:30					Q-30
	ND	0.00100	mg/l	1	3G03016	07/03/03	07/03/03	EPA 6020	
Lead	•		-						Q-30
MW 11 (B3G0080-08) Wat	ter Sampled: 07/01/03 11	:15 Receiv	/ed: 07/02/0)3 15:30		0.7.10.2.10.2	07/02/02	EPA 6020	
Lead	ND	0.00100	mg/l	1	3G03016	07/03/03	07/03/03	EFA 0020	0.20
DB (MW 12) (B3G0080-09) Water Sampled: 07/01/	03 10:00	Received: 0	7/02/03 15	:30				Q-30
	ND	0.00100	mg/l	1	3G03016	07/03/03	07/03/03	EPA 6020	
Lead				15.20					Q-30
RW 2 (B3G0080-10) Water	er Sampled: 07/01/03 13:4				2002016	07/02/02	07/03/03	EPA 6020	
Lead	0.00143	0.00100	mg/l	1	3G03016	07/03/03	01103103	2171 0020	

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Project Number: 386765.80

Project Manager: Deanna Harding

Amended Report

Issued: 08/12/03 16:06

Dissolved Metals by EPA 6000/7000 Series Methods North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW 5 (B3G0080-11) Water	Sampled: 07/01/03 14:15	Received	: 07/02/03	15:30					Q-30
Lead	0.0198	0.00100	mg/l	1	3G03016	07/03/03	07/03/03	EPA 6020	

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Project Number: 386765.80 Project Manager: Deanna Harding

Amended Report Issued: 08/12/03 16:06

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Quality **Control**

North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<u> </u>				DOTO:						
Batch 3G08009: Prepared 07/08/03	Using E	PA 5030B	(P/T)							
Blank (3G08009-BLK1)										
Gasoline Range Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	u .							
Toluene	ND	0.500	11							
Ethylbenzene	ND	0.500	11							
Xylenes (total)	ND	1.00	"					<u>,</u>		
Surrogate: 4-BFB (FID)	47.3		"	48.0		98.5	62-127			
Surrogate: 4-BFB (PID)	54.2		и	48.0		113	72-127			
LCS (3G08009-BS1)										
Gasoline Range Hydrocarbons	523	50.0	ug/l	500		105	80-120	4		
Benzene	6.25	0.500	**	6.65		94.0	80-120			
Toluene	32.9	0.500	**	37.0		88.9	80-120			
Ethylbenzene	8.91	0.500	n	8.55		104	80-120			
Xylenes (total)	41.0	1.00	11	43.0		95.3	80-120			
Surrogate: 4-BFB (FID)	53.9		"	48.0		112	62-127			
Surrogate: 4-BFB (PID)	50.1		"	48.0		104	72-127			
LCS Dup (3G08009-BSD1)										
Gasoline Range Hydrocarbons	533	50.0	ug/l	500		107	80-120	1.89	25	
Benzene	6.38	0.500	n	6.65		95.9	80-120	2.06	40	
Toluene	33.6	0.500	tt	37.0		90.8	80-120	2.11	40	
Ethylbenzene	9.12	0.500	11	8.55		107	80-120	2.33	40	
Xylenes (total)	41.9	1.00	11	43.0		97.4	80-120	2.17	40	
Surrogate: 4-BFB (FID)	54.8		"	48.0		114	62-127			
Surrogate: 4-BFB (PID)	50.2		"	48.0		105	72-127			
Matrix Spike (3G08009-MS1)					Source:	B3G0071-	.02			
Gasoline Range Hydrocarbons	457	50.0	ug/l	500	21.0	87.2	72-119			
Benzene	6.41	0.500	11	6.65	0.0720	95.3	70-129			
Toluene	33.4	0.500	"	37.0	0.218	89.7	73-114			
Ethylbenzene	8.97	0.500	TI TI	8.55	0.117	104	82-120			
Xylenes (total)	41.4	1.00	. н	43.0	0.432	95.3	74-118			
Surrogate: 4-BFB (FID)	48.9		n	48.0		102	62-127			
Surrogate: 4-BFB (PID)	51.0		n	48.0		106	72-127			

North Creek Analytical - Bothell

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%REC

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Project Number: 386765.80 Project Manager: Deanna Harding Amended Report

Issued: 08/12/03 16:06

RPD

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Quality **Control**

North Creek Analytical - Bothell

			Reporting		Spike	Source		70KEC		KrD		
Analyte		Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	
Batch 3G08009:	Prepared 07/08/03	Using EF	PA 5030B	(P/T)								
Matrix Spike Dup ((3G08009-MSD1)	Source: B3G0071-02										
Gasoline Range Hydro	carbons	487	50.0	ug/l	500	21.0	93.2	72-119	6.36	25		
Benzene		5.17	0.500	'n	6.65	0.0720	76.7	70-129	21.4	40		
Toluene		26.9	0.500	11	37.0	0.218	72.1	73-114	21.6	40	Q-0	
Ethylbenzene		7.26	0.500	"	8.55	0.117	83.5	82-120	21.1	40		
Xylenes (total)		33.3	1.00	. 11	43.0	0.432	76.4	74-118	21.7	40		
Surrogate: 4-BFB (FIL	D)	52.9		"	48.0		110	62-127				
Surrogate: 4-BFB (P11	O)	42.3		n	48.0		88.1	72-127				
Batch 3H08005:	Prepared 08/08/03	Using El	PA 5030B	(P/T)								
Blank (3H08005-B	LK1)											
Gasoline Range Hydro	carbons	ND	50.0	ug/l								
Benzene		ND	0.500	11								
Toluene		ND	0.500	u								
Ethylbenzene		ND	0.500	u								
Xylenes (total)		ND	1.00	11								
Surrogate: 4-BFB (FI	D)	41.9		"	48.0		87.3	62-127				
Surrogate: 4-BFB (PI	D)	47.6		"	48.0		99.2	72-127				
LCS (3H08005-BS	1)											
Gasoline Range Hydro	ocarbons	450	50.0	ug/l	500		90.0	80-120				
Benzene		6.18	0.500	u	6.65		92.9	80-120				
Toluene		33.6	0.500	n	37.0		90.8	80-120				
Ethylbenzene		8.79	0.500	Ħ	8.55		103	80-120				
Xylenes (total)		41.7	1.00	u	43.0		97.0	80-120				
Surrogate: 4-BFB (FI	D) .	48.5		"	48.0		101	62-127				
Surrogate: 4-BFB (PI	D)	46.6		"	48.0		97.1	72-127				

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Project Number: 386765.80

Project Manager: Deanna Harding

Amended Report Issued: 08/12/03 16:06

Gasoline Hydrocarbons (Benzene to Naphthalene) and BTEX by NWTPH-G and EPA 8021B - Quality **Control**

North Creek Analytical - Bothell

Analyte		Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3H08005:	Prepared 08/08/03	Using El	PA 5030B	(P/T)			 				
LCS Dup (3H08005	5-BSD1)						00.0	80-120	0.885	25	
Gasoline Range Hydro	carbons	454	50.0	ug/l	500		90.8		1.30	40	
Benzene		6.10	0.500	"	6.65		91.7	80-120	0.00	40	
Toluene		33.6	0.500	H.	37.0		90.8	80-120		40	
Ethylbenzene		8.67	0.500	**	8.55		101	80-120	1.37	40	
Xylenes (total)		41.4	1.00	**	43.0		96.3	80-120	0.722	40	
Surrogate: 4-BFB (FII	חו	48.6		"	48.0		101	62-127			
Surrogate: 4-BFB (Pli Surrogate: 4-BFB (Pli	′	46.7		"	48.0		97.3	72-127			
,						Source: 1	B3G0702-	-09			
Matrix Spike (3H0		426	50.0	ug/i	500	11.3	82.9	72-119			
Gasoline Range Hydro	ocarbons	6.15	0.500	ug/1	6.65	ND	92.5	70-129			
Benzene			0.500	n	37.0	0.136	93.7	73-114			
Toluene		34.8	0.500	,,,	8.55	0.158	102	82-120			
Ethylbenzene		8.91	1.00	11	43.0	0.418	97.9	74-118			
Xylenes (total)		42.5	1.00				98.8	62-127			
Surrogate: 4-BFB (FI	ID)	47.4		"	48.0 48.0		96.6 104	72-127			
Surrogate: 4-BFB (P.	ID)	49.7		"	40.0						
Matrix Spike Dun	(3H08005-MSD1)						B3G0702				
Gasoline Range Hydr		410	50.0	ug/l	500	11.3	79.7	72-119	3.83	25	
Benzene		5.80	0.500	11	6.65	ND	87.2	70-129	5.86	40	
Toluene		32.9	0.500	11	37.0	0.136	88.6	73-114	5.61	40	
Ethylbenzene		8.30	0.500	II	8.55	0.158	95.2	82-120	7.09	40	
Xylenes (total)		40.2	1.00	н	43.0	0.418	92.5	74-118	5.56	40	
	ND1				48.0		98.3	62-127			
=				"	48.0		100	72-127			
Surrogate: 4-BFB (F Surrogate: 4-BFB (F		47.2 48.1			48.0 48.0						

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Project: Chevron #21-1577 Project Number: 386765.80

Project Manager: Deanna Harding

Amended Report

Issued: 08/12/03 16:06

Semivolatile Petroleum Products by NWTPH-Dx with Acid/Silica Gel Clean-up - Quality Control North Creek Analytical - Bothell

	Reporting		Spike	Source		%REC		RPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Using EI	PA 3520C								
ND	0.250	mg/l							
ND	0.500	11							
0.255		"	0.320		79.7	50-150			
0.156		"	0.160		97.5	50-150			
1.88	0.250	mg/l	2.00		94.0	45-105			
0.251		"	0.320		78.4	50-150			
	•								
2.01	0.250	mg/l	2.00		100	45-105	6.68	50	
0.287		n	0.320		89.7	50-150			
	ND ND 0.255 0.156 1.88 0.251	ND 0.250 ND 0.500 0.255 0.156 1.88 0.250 0.251	ND 0.250 mg/l ND 0.500 " 0.255 " 0.156 " 1.88 0.250 mg/l 0.251 " 2.01 0.250 mg/l	Result Limit Units Level Using EPA 3520C ND 0.250 mg/l ND 0.500 " 0.255 " 0.320 0.156 " 0.160 1.88 0.250 mg/l 2.00 0.251 " 0.320 2.01 0.250 mg/l 2.00	Result Limit Units Level Result Using EPA 3520C ND 0.250 mg/l	Result Limit Units Level Result %REC Using EPA 3520C ND 0.250 mg/l	Result Limit Units Level Result %REC Limits Using EPA 3520C ND 0.250 mg/l	Result Limit Units Level Result %REC Limits RPD Using EPA 3520C ND 0.250 mg/l	Result Limit Units Level Result %REC Limits RPD Limit

North Creek Analytical - Bothell

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Gettler-Ryan Inc. - Dublin 6747 Sierra Ct, Suite G Dublin, CA/USA 94568

Project: Chevron #21-1577

Project Number: 386765.80

Project Manager: Deanna Harding

Amended Report

Issued: 08/12/03 16:06

Dissolved Metals by EPA 6000/7000 Series Methods - Quality Control North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch 3G03016: Prepared 07/03/03	Using E	PA 3005A									
Blank (3G03016-BLK1)											
Lead	ND	0.00100	mg/i								
LCS (3G03016-BS1)						97.5	80-120				
Lead	0.195	0.00100	mg/l	0.200		97.3	80-120				
LCS Dup (3G03016-BSD1)						000	80-120	0.512	20		
Lead	0.196	0.00100	mg/l	0.200		98.0	80-120	0.512	20		
Matrix Spike (3G03016-MS1)	Source: B3G0080-02										
Lead	0.107	0.00100	mg/l	0.100	0.0132	93.8	75-125				
Matrix Spike Dup (3G03016-MSD1)			Source: B3G0080-02								
Lead	0.108	0.00100	mg/l	0.100	0.0132	94.8	75-125	0.930	20		

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Project: Chevron #21-1577

Project Number: 386765.80 Project Manager: Deanna Harding **Amended Report**

Issued: 08/12/03 16:06

Notes and Definitions

1-02 This sample was analyzed outside of the recommended holding time.

I-06 The analyte concentration may be artificially elevated due to coeluting compounds or components.

The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the O-01 recovery for this analyte does not represent an out-of-control condition for the batch.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

This sample was laboratory filtered since it was not field filtered as is required by the methodology.

X See case narrative.

Q-30

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

RECEMBED

SE2 _0 502003003

DEPIE/OF UPCECOGOGY

North Creek Analytical - Bothell

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