GETTLER-RYAN INC.

TRANSMITTAL

January 13, 2003 G-R #386383

TO:

Mr. Robert Foss

Cambria Environmental Technology, Inc.

2680 Bishop Drive, Suite 290

San Ramon, CA 94583

CC: Ms. Karen Streich

Chevron Products Company

P.O. Box 6004

San Ramon, California 94583

FROM:

Deanna L. Harding

Project Coordinator

Gettler-Ryan Inc.

6747 Sierra Court, Suite J

Dublin, California 94568

Alameda County

JAN 3 1 2003

Chevron Service Station

#9-4800

1700 Castro Street Oakland, California

Environmental Health

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	January 7, 2003	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 6, 2002

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to *January 28, 2003*, at which time the final report will be distributed to the following:

cc: New Chu, Alameda Carnty Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670

Enclosures

January 7, 2003 G-R Job #386383

Ms. Karen Streich Chevron Products Company P.O. Box 6004 San Ramon, CA 94583

RE:

Fourth Quarter Event of December 6, 2002

Groundwater Monitoring & Sampling Report

Chevron Service Station #9-4800

1700 Castro Street Oakland, California

Dear Ms. Streich:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work 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. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached 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 report are also 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 No. 7285

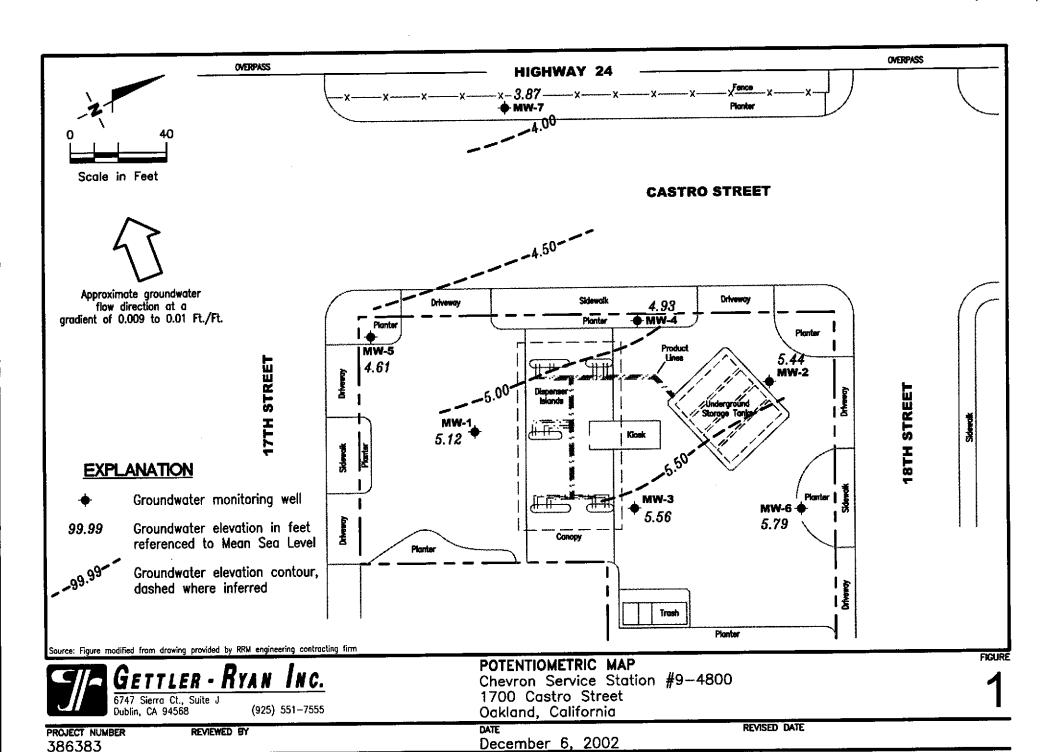
Figure 1:

Potentiometric Map

Table 1: Table 2: Attachments: Groundwater Monitoring Data and Analytical Results Groundwater Analytical Results - Oxygenate Compounds Standard Operating Procedure - Groundwater Sampling

Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports



FILE NAME: P:\ENVIRO\CHEVRON\9-4800\Q02-9-4800.DWG | Layout Tab: Pot4

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E	X	MTBE
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
DAIL	<u> </u>	1,1117								
MW-1										
06/04/97	30.75	4.39	25.82	71 ^f	890	100	110	29	150	<10
09/16/97	30.75	4.85	25.90	75 ¹	1,600	210	210	60	250	<10
12/17/97	30.75	4.88	25.87	65 ¹	940	120	100	4 1	160	<25
03/18/98	30.75	5,90	24.85	77 ¹	530	91	39	22	65	6.8
06/28/98	30.75	5.92	24.83	140'	1,100	220	140	37	120	14
09/07/98	30.75	5.56	25.19	280¹	1,700	530	86	84	240	49
12/09/98	30.75	5.10	25.65	240¹	1,700	240	130	100	270	32
03/11/99	30.75	5.30	25.45	98 ¹	353	53.9	28.6	20.5	56.1	14.1
06/17/99	30.75	5.39	25.36	217 ¹	810	270	150	95	340	15
09/29/99	30.75	5.13	25.62	153 ¹	659	76	49.7	35.1	118	12.6
12/14/99	30.75	5.07	25.68	188 ^{1,2}	2,760	287	199	139	502	<12.5
03/09/00 ³	30.75	5.54	25.21	166'	1,590	238	94.9	72.2	247	22.3
06/10/00	30.75	5.73	25.02		1,460	242	47.8	83.8	151	97.3
09/30/00	30.75	5.30	25.45	240 ⁷	650 ⁶	130	49	69	190	21
12/22/00	30.75	5.05	25.70	200°	640 ⁶	110	33	58	160	68
03/01/01	30.75	5.25	25.50	2117	1,500 ⁶	210	67.9	109	320	87.3
05/04/01	30.75	5.41	25.34	130 ⁷	991	127	32.6	73.0	137	95.4
09/05/01	30.75	5.16	25.59	SAMPLED SEM	II-ANNUALLY					
12/21/01	30.75	5.17	25.58	210	2,000	220	16	110	400	34
03/15/02	30.75	5.60	25.15		· 					
06/15/02	30.75	5.49	25.26	140	350	54	0.61	12	40	130
09/06/02	30.75	5.26	25.49	SAMPLED SEM	II-ANNUALLY					
12/06/02	30.75	5.12	25.63	2,900	900	71	2.1	39	150	34
12/////2	zm.rz	2		- <i>r</i>						•
MW-2										4000
06/04/97	30.00	5.13	24.87	4,000	13,000	790	30	420	1,700	4000
09/16/97	30.00	5.06	24.94	2,200	4,000	360	9.7	210	460	1500
12/17/97	30.00	5.18	24.82	2,100	4,100	380	<10	200	460	2100
03/18/98	30.00	6.43	23.57	3,7001	8,400	1,800	<50	350	630	13,000
06/28/984	30.00	6.21	23.79	4,4001	9,300	740	340	710	2,300	3800
09/07/98	30.00	5.78	24.22	3,100 ¹	9,900	1,000	150	640	1,800	4500/4100 ⁵

1

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E	X	MTBE
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(pph)	(ppb)	(pph)	(ppb)
DATE		(-				
MW-2 (cont)								Z10	070	2600/2600 ⁵
12/09/98	30.00	5.31	24.69	1,900	8,500	860	74	610	960 2.250	3400/5050 ⁵
03/11/99	30.00	5.79	24.21	2,700 ¹	12,500	1,520	42.2	645	2,250	4700
06/17/99	30.00	5.69	24.31	7,150 ¹	27,000	2,200	260	1500	5,900	1970
09/29/99	30.00	5.45	24.55	3,0301	6910	582	11.1	491	1,170	
12/14/99	30.00	5.39	24.61	615 ^{1,2}	4230	282	12.3	284	690	631
03/09/003	30.00	6.08	23.92	3,3001	15,300	1,110	39.4	1,040	3,030	2,470
06/10/00	30.00	6.13	23.87		7,360	560	40.7	627	1,280	1,260
09/30/00	30.00	5.67	24.33	1,8007	3,600 ⁶	280	<10	420	430	290
12/22/00	30.00	5.39	24.61	870 ⁹	1,500 ⁶	100	<1.3	160	59	380
03/01/01	30.00	5.79	24.21	1,3207	2,340 ⁶	171	<5.00	238	157	864
05/04/01	30.00	5.83	24.17	3,100 ⁷	11,900	199	33.9	1,420	290	3,890
09/05/01	30.00	5.45	24.55	2,200	3,300	170	1.7	310	110	1,100
12/21/01	30.00	5.60	24.40	980	1,100	58	0.72	120	14	450
03/15/02	30.00	6.05	23.95	2,200	5,000	250	9.1	470	430	1,800
06/15/02	30.00	5.84	24.16	3,700	5,200	240	5.2	540	210	2,200
09/06/02	30.00	5.59	24.41	2,200	2,100	84	1.4	250	30	1,000
12/06/02	30.00	5.44	24.56	730	780	21	< 0.50	58	3.4	480
1 & UW U &	JUMI	J.77	2 1120							
MW-3							22	1.5	1.6	8.2
06/04/97	31.32	5.27	26.05	<50	190	26	20	1.5	16	8.2 21
09/16/97	31.32	5.17	26.15	<50	270	58	53	6.1	30	21
12/17/97	31.32	5.22	26.10	<50	290	50	54	8.1	37	21 94
03/18/98	31.32	6.42	24.90	<50	390	140	33	4.6	30	
06/28/98	31.32	6.39	24.93	<50	290	90	11	1.6	13	150
09/07/98	31.32	5.97	25.35	<50	170	46	20	4.3	19	120
12/09/98	31.32	5.41	25.91	55 ¹	660	120	93	22	72	150
03/11/99	31.32	5.85	25.47	<50	653	136	69.5	13.7	63.8	144
06/17/99	31.32	5.90	25.42	103 ¹	530	190	110	24	88	210
09/29/99	31.32	5.61	25.71	232 ¹	433	97.8	61.4	16.9	56.6	156
12/14/99	31.32	5.55	25.77	<50 ²	8650	1040	795	212	800	995
03/09/003	31.32	6.14	25.18	7 4.6¹	1170	304	103	25.2	114	539

2

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E	X	MTBE
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
DATE:	<u> </u>	()	V .::/							
MW-3 (cont)										
06/10/00	31.32	6.29	25.03		359	63.8	27.8	10.5	35.4	393
09/30/00	31.32	5.79	25.53	1008	220 ⁶	42	33	12	38	67
12/22/00	31.32	5.52	25.80	1109	370 ⁶	96	48	18	58	180
03/01/01	31.32	5.75	25.57	144 ⁷	912 ⁶	218	89.0	36.0	110	310
05/04/01	31.32	5.96	25.36	<50	1,260	146	79.6	38.2	101	1,070
09/05/01	31.32	5.61	25.71	SAMPLED SEM	I-ANNUALLY					
12/21/01	31.32	5.67	25.65	180	850	160	11	32	84	300
03/15/02	31.32	6.15	25.17							
06/15/02	31.32	6.01	25.31	<50	550	110	3.0	23	58	590
09/06/02	31.32	5.74	25.58	SAMPLED SEM	II-ANNUALLY					
12/06/02	31,32	5.56	25.76	160	350	60	1.3	11	32	530
MW-4								.0.5	7.7	4 700
04/08/99	30.13				130	3.1	<0.5	<0.5	7.7	4,700
06/17/99	30.13	5.19	24.94	3.7801	590	58	<5.0	<5.0	160	6,200
09/29/99	30.13	4.96	25.17	1,1301	692	10.7	<2.5	5.51	236	7,840
12/14/99	30.13	4.91	25.22	571 ^{1,2}	625	<10	3.83	<10	94.6	4,470
03/09/003	30.13	5.45	24.68	600 ¹	402	3.76	1.18	<0.5	71.4	3,140
06/10/00	30.13	5.53	24.60		<1,000	13.2	<10.0	<10.0	97.8	3,080
09/30/00	30.13	5.09	25.04	1,400 ⁷	280 ⁶	21	0.67	6.3	60	3,300
12/22/00	30.13	4.90	25.23	740 ⁹	240 ⁶	2.2	<0.50	1.3	25	2,200
03/01/01	30.13	5.15	24.98	661 ⁷	193	2.31	< 0.500	1.34	12.1	1,220
05/04/01	30.13	5.25	24.88	1,100 ⁷	722	12.0	<5.00	17.1	89.4	2,390
09/05/01	30.13	4.96	25.17	2,500	1,400	23	2.2	19	260	2,300
12/21/01	30.13	5.06	25.07	1,100	310	2.9	< 0.50	2.6	32	860
03/15/02	30.13	5.44	24.69	3,100	520	5.0	< 0.50	15	6.8	2,700
06/15/02	30.13	5.29	24.84	2,400	950	16	3.6	41	100	2,200/2,400 ¹²
09/06/02	30.13	5.07	25.06	2,600	640	9.6	0.52	9.8	28	1,700
12/06/02	30.13	4.93	25.20	1,400	280	3.6	< 0.50	1.7	<1.5	730

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-4800

WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	В	T	E	X	MTBE
DATE	(ft.)	(msl)	(ft.)	(pph)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(pph)
					-					
MW-5										2.5
04/08/99	30.93	- -		<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/17/99	30.93	4.93	26.00	53.8 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/29/99	30.93	4.73	26.20	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/14/99	30.93	4.61	26.32	$<50^{2}$	<50	< 0.5	<0.5	<0.5	<0.5	0.598
03/09/003	30.93	5.00	25.93	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/10/00	30.93	5.21	25.72		<50.0	< 0.500	< 0.500	< 0.500	< 0.500	<2.50
09/30/00	30.93	4.79	26.14	130 ^R	<50	< 0.50	< 0.50	< 0.50	< 0.50	<2.5
12/22/00	30.93	4.60	26.33	250 ⁸	<50	< 0.50	< 0.50	< 0.50	< 0.50	9.1
03/01/01	30.93	4.77	26.16	77.4 ⁷	<50.0	< 0.500	<0.500	< 0.500	< 0.500	<2.50
05/04/01	30.93	4.89	26.04	NOT SAMPLED	DUE TO INSUFF	ICIENT WATER				
09/05/01	30.93	4.72	26.21	SAMPLED SEM	II-ANNUALLY					
12/21/01	30.93	4.73	26.20	110	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
03/15/02	30.93	5.06	25.87							
06/15/02	30.93	4.95	25.98	<50	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
09/06/02	30.93	4.75	26.18	SAMPLED SEM	II-ANNUALLY	••				
12/06/02	30.93	4.61	26.32	<50	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
MW-6										
04/08/99	30.58				<50	< 0.5	<0.5	<0.5	< 0.5	4.5
06/17/99	30.58	5.99	24.59	<50	<50	< 0.5	<0.5	<0.5	<0.5	<2.5
09/29/99	30.58	5.81	24.77	<50	<50	< 0.5	< 0.5	< 0.5	<0.5	4.46
12/14/99	30.58	5.74	24.84	<50 ²	<50	<0.5	<0.5	<0.5	<0.5	4.13
03/09/003	30.58	6.49	24.09	<50	<50	<0.5	<0.5	<0.5	<0.5	2.82
06/10/00	30.58	6.58	24.00		<50.0	< 0.500	< 0.500	< 0.500	<0.500	<2.50
09/30/00	30.58	6.00	24.58	110 ⁸	<50	< 0.50	< 0.50	< 0.50	< 0.50	7.3
12/22/00	30.58	5.75	24.83	100 ⁸	<50	< 0.50	< 0.50	<0.50	< 0.50	4.5
03/01/01	30.58	6.07	24.51	1417	<50.0	< 0.500	< 0.500	< 0.500	< 0.500	7.52
05/04/01	30.58	6.26	24.32	<50	<50.0	< 0.500	<5.00	<5.00	<5.00	2.74
09/05/01	30.58	5.99	24.59		/II-ANNUALLY					
12/21/01	30.58	5.93	24.65	200	<50	< 0.50	< 0.50	< 0.50	<1.5	8.5
03/15/02	30.58	6.44	24.14							
03/13/02	50.50	0.77	ge 1.5 T							

Table 1
Groundwater Monitoring Data and Analytical Results

WELL ID/	TOC*	GWE	DTW	TPH-D	TPH-G	R	T	E	X	MTBE
DATE	(ft.)	(msl)	(ft.)	(ppb)	(ppb)	(ppb)	(ppb)	(pph)	(ppb)	(ppb)
DIELL	<u> </u>	1	<u></u>							
MW-6 (cont)						<u>.</u>	0.50	-0 FO	<1.5	4.3
06/15/02	30.58	6.25	24.33	<50	<50	< 0.50	< 0.50	<0.50		4 <i>)</i>
09/06/02	30.58	5.98	24.60	SAMPLED SEM			0.50	 -0.50	 <1.5	5.0
12/06/02	30.58	5.79	24.79	64	<50	<0.50	<0.50	<0.50	<1.5	2.11
MW-7									- 00	ecauan 12
05/04/0111	31.90	4.03	27.87	<50	<50.0	<0,500	<5.00	<5.00	<5.00	567/470 ¹²
09/05/01	31.90	3.86	28.04	<50	<50	< 0.50	<0.50	<0.50	<1.5	1,400/1,300 ¹ 620/670 ¹²
12/21/01	31.90	3.04	28.86	210	<50	< 0.50	< 0.50	< 0.50	<1.5	
03/15/02	31.90	4.18	27.72	<50	<50	< 0.50	< 0.50	< 0.50	<1.5	320/350 ¹²
06/15/02	31.90	4.06	27.84	<50	<50	< 0.50	< 0.50	< 0.50	<1.5	850/960 ¹²
09/06/02	31.90	3.93	27.97	<50	59	< 0.50	< 0.50	< 0.50	<1.5	1,900
12/06/02	31.90	3.87	28.03	<50	68	<0.50	<0.50	<0.50	<1.5	2,200
TRIP BLANK	(
06/04/97					<50	< 0.5	<0.5	<0.5	< 0.5	<2.5
09/16/97					<50	< 0.5	< 0.5	<0.5	<0.5	<2.5
12/17/97					<50	< 0.5	<0.5	<0.5	<0.5	<2.5
03/18/98					<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/28/98					<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/98					<50	<0.5	<0.5	<0.5	< 0.5	<2.5
12/09/98		<u></u>			<50	< 0.5	<0.5	<0.5	<0.5	<2.5
03/11/99					<50	<0.5	<0.5	<0.5	< 0.5	<5.0
06/17/99					<50	<0.5	<0.5	< 0.5	<0.5	<2.5
12/14/99					<50	<0.5	<0.5	<0.5	< 0.5	<2.5
03/09/003					<50	<0.5	<0.5	< 0.5	<0.5	<2.5
06/10/00					<50.0	< 0.500	< 0.500	< 0.500	<0.500	<2.50
09/30/00					<50	<0.50	< 0.50	<0.50	< 0.50	<2.5
12/22/0010					<50	< 0.50	<0.50	< 0.50	< 0.50	<2.5
03/01/01					<50.0	< 0.500	< 0.500	< 0.500	< 0.500	< 2.50

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-4800

WELL ID/	TOC*	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
DATE	(ft.)	(mai)	<u> </u>							
TRIP BLANK	(cont)				<50.0	<0.500	<5.00	<5.00	<5.00	<0.500
05/04/01 09/05/01					<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA 10/21/01					<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/21/01					<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
03/15/02					<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
06/15/02			 		<50	<0.50	< 0.50	< 0.50	<1.5	<2.5
09/06/02 12/06/02				••	<50	< 0.50	<0.50	<0.50	<1.5	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-4800 1700 Castro Street Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 10, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

TPH-G = Total Petroleum Hydrocarbons as Gasoline

-- = Not Measured/Not Analyzed

(ft.) = Feet

B = Benzeпe

(ppb) = Parts per Billion

GWE = Groundwater Elevation

T = Toluene

QA = Quality Assurance/Trip Blank

(msl) = Mean sea level

E = Ethylbenzene

DTW = Depth to Water

X = Xylenes

TPH-D = Total Petroleum Hydrocarbons as Diesel

MTBE = Methyl tertiary butyl ether

- * TOC elevation was surveyed on April 11, 2001, by Virgil Chavez Land Surveying. The benchmark for the survey was the top of curb at the south end of the return at the southeast corner of Castro Street and 18th Street. (Benchmark Elevation = 29.65 feet, msl).
- 1 Chromatogram pattern indicates an unidentified hydrocarbon.
- Sample was extracted outside EPA recommended holding time.
- 3 TPH-G, B, T, E, X and MTBE was analyzed outside EPA recommended holding time.
- EPA Method 8240.
- 5 Confirmation run.
- 6 Laboratory report indicates gasoline C6-C12.
- Laboratory report indicates unidentified hydrocarbons C9-C24.
- 8 Laboratory report indicates unidentified hydrocarbons >C16.
- 9 Laboratory report indicates unidentified hydrocarbons C9-C40.
- Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
- Well development performed.
- MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds

STATE A TEN	ETHANOL	ТВА	МТВЕ	DIPE	ETBE	TAME
WELL ID/		(ppb)	(pph)	(ppb)	(ppb)	(ppb)
DATE	(ppb)	(ppu)	APP.			
MW-4				-100	<100	<100
04/08/99	<25,000	<5000	5400	<100	<2	110
06/15/02		840	2,400	<2	< 2	, 10
MW-5						
04/08/99	<500	<100	<2.0	<2.0	<2.0	<2.0
MW-6				20	<2.0	<2.0
04/08/99	<500	<100	5.6	<2.0	<.2.U	~2.0
MW-7						
05/04/01	<500	57	470	<2.0	<2.0	11
09/05/01	<500	<100	1,300	<2	<2	32
12/21/01	<500	<100	670	<2	<2	15
03/15/02	<500	<100	350	<2	<2	8
06/15/02		<100	960	<2	<2	18

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-4800 1700 Castro Street Oakland, California

EXPLANATIONS:

Groundwater laboratory analytical results prior to May 4, 2001, were compiled from reports prepared by Blaine Tech Services, Inc.

TBA = Tertiary butyl alcohol

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

(ppb) = Parts per billion

-- = Not Analyzed

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, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

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 when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. 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.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.

Add/Replaced Lock: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #:	ChevronTexaco	#9-4800		Job Number:	386383			•
Site Address:	1700 Castro St	reet		Event Date:	12-6-	07		(inclus
City:	Oakland, CA			Sampler:	GA			
Well ID	MW-/	Date Mo	onitored: 🔼	1-6-0~	Well Cor	ndition:	οK	
Well Diameter	2 in.		Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3*= 0.38	ì
Total Depth	29.90 ft.		Factor (VF)	=		5"= 1.50	12"= 5.80	
Depth to Water	15120	F <u>0.17</u> =	0.73	x3 (case volume) = E				
Purge Equipment:		Samplin	g Equipment:	_	Time Starte Time Bailed			400 hrs) 2400 hrs)
Disposable Bailer	1/	Disposat			•		,	-
Stainless Steel Bailer		Pressure		₹	Depth to Wa		_	f
Stack Pump		Discrete	Bailer		Hydrocarbo			ft
Suction Pump		Other:			Visual Conf	irmation/De	scription:	ļ
Grundfos					Skimmer / /	Absorbant S	ock (circle one)
Other:							mmer:	
						red from We ansferred to:	ell: ·	gal
Start Time (purge			Conditions:		Vena		1/ 6	-
Start Time (purge Sample Time/Da Purging Flow Ra Did well de-wate	ate: <u>8451 jo</u> ate: <u>gpm.</u>	Sediment I	Vater Color: Description:	_ cle	av	Odor: _	Yos	- -
Sample Time/Da Purging Flow Ra Did well de-wate Time	ete: 08451) ete: gpm. er? \(\lambda\)	Sediment I If yes, Time:	Vater Color: Description:	_ lle	av	Odor: _	ORP (mV)	- -
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.)	ate: 08451) ate: gpm. er? NO	Sediment I If yes, Time: pH Co (u	Vater Color: Description: onductivity mhos/cm)	Volume:	gal.	Odor: _	ORP	- - -
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.)	volume (gal.)	Sediment I If yes, Time: pH Co (u) 7,49	Vater Color: Description: anductivity mhos/cm)	Volume: Temperature (C)F)	gal.	Odor: _	ORP	- -
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 0823	volume (gal.)	Sediment I If yes, Time: pH Co (u 7,46	vater Color: Description: onductivity mhos/cm)	Volume:	gal.	Odor: _	ORP	- - - ·
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.)	volume (gal.)	Sediment I If yes, Time: pH Co (u 7,46	Vater Color: Description: anductivity mhos/cm)	Volume:	gal.	Odor: _	ORP	- - - -
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 0823	volume (gal.)	Sediment I If yes, Time: pH Co (u 7.49 C 7.43	vater Color: Description: Inductivity mhos/cm) 174 466 102	Volume:	gal.	Odor:	ORP (mV)	- - - -
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 0823	volume (gal.)	Sediment I If yes, Time: _ pH	vater Color: Description: Inductivity mhos/cm) 174 466 102	Volume: Temperature (CF) 18-6 15-6 CORMATION	gal. D.O. (mg/L	Odor: _	ORP (mV)	-
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 0823 0836	volume (gal.)	Sediment I If yes, Time: pH (u 7,46 (u 1,46	vater Color: Description: Descr	Volume: Temperature (OF) 28.6 28.6 26.6 CORMATION LABORATOR LANCASTER	gal. D.O. (mg/L	Odor: _	ORP (mV)	- - - - - - - -
Sample Time/Da Purging Flow Ra Did well de-wate (2400 hr.) (282-2) (2836) (2836)	volume (gal.) (#) CONTAINER	Sediment I If yes, Time: pH Co (u 7,49 7,43 7,43 LABOR	vater Color: Description: Onductivity mhos/cm) 474 466 j622 RATORY INF	Volume: Temperature (OF) 18-6 18-6 20-6 CORMATION LABORATOR	gal. D.O. (mg/L	Odor: _	ORP (mV)	
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) 082-3 0836 SAMPLE ID MW- /	volume (gal.) (#) CONTAINER 3 x yoa vial	Sediment I If yes, Time: pH Co (u 7,46 7,43 7,42 LABOR REFRIG. PR YES	vater Color: Description: Descr	Volume: Temperature (OF) 28.6 28.6 26.6 CORMATION LABORATOR LANCASTER	gal. D.O. (mg/L	Odor: _	ORP (mV)	

Add/Replaced Plug: _____ Size:__



WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #:	ChevronTexac	o #9-480	00	Job Number:	386383	
· -	700 Castro S			Event Date:	12-6-07	(inclusi
City:	Dakland, CA			Sampler:	GA	
Well ID	MW-2	Dat	e Monitored:	13/4/0-	Well Condition:	or.
Well Diameter	2 in.		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17 3	"= 0.38
Fotal Depth Depth to Water	24.56 ft.		Factor (VI	F) 4"= 0.66	5"= 1.02 6"= 1.50 12	2*= 5.80
Deptil to Water _		VF <u>0.1</u>	7 = 0.87	7 x3 (case volume) = E	stimated Purge Volume: 2	<u>.5</u> gal.
- Juran Equiaments		·			Time Started:	(2400 hrs)
urge Equipment: Disposable Bailer			mpling Equipment posable Bailer	" <i>/</i>	Time Bailed:	
Disposable Bailer Stainless Steel Bailer			posable Baller ssure Baller		Depth to Product:	ft
Stack Pump	-		crete Bailer		Depth to Water: Hydrocarbon Thickness:	€> #
Suction Pump	-		ier:	·	Visual Confirmation/Desc	
Grundfos					Skimmer / Absorbant Soc	k (circle one)
Other:					Amt Removed from Skim	
					Amt Removed from Well:	
					Product Transferred to:	
Time (2400 hr.) 0 956 1000	Volume (gal.)	pH 7,34 7,19 7.18	Conductivity (u mhos/cm) 452 446 443	Temperature (C/F) 29.9 29.9 29.9	D.O. (mg/L)	ORP (mV)
SAMPLE ID	(#) CONTAINER	REFRIG.	BORATORY INF		Y ANALYS	BES
MW- 2	3 x voa vial	YES	HCL	LANCASTER		
MW	→ x amber	YES	NP	LANCASTER		
		1-				
COMMENTS:						
· ***-						
	ed Lock:		 -	Add/Replaced P	lug: Size:	



WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #:	ChevronTexaco	#9-480	00	Job Number:	386383		
Site Address:	1700 Castro St	reet	_	Event Date:	12/4/67	(i	inclus
City:	Dakland, CA			Sampler:	G./L		
Well ID	MW- 3	Date	e Monitored:	2-4-02	Well Condition:	- OK	
Well Diameter	2 in.			3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38	
Total Depth	29-4/ ft.		Volume Factor (VF		5"= 1.02 6"= 1.50		
Depth to Water	25.76 ft.	~ · ~			Estimated Purge Volume	1.5	
-	3,68_xV	F <u> </u>) = <u>(0, 6, 7</u>	x3 (case volume) =	Time Started:		00 hrs)
Purge Equipment:		Sar	npling Equipment	:	Time Bailed:		00 hrs
Disposable Bailer		Dis	posable Bailer		Depth to Product:		ft
Stainless Steel Bailer		Pre	ssure Bailer		Depth to Water:		f
Stack Pump		Dis	crete Bailer		Hydrocarbon Thickn		ft
Suction Pump		Oth	ner:		Visual Confirmation	/Description:	
Grundios					Skimmer / Absorbar	nt Sock (circle one)	
Other:						Skimmer:	gal
					Amt Removed from		gal
					Product Transferred	i to:	
Start Time (purge) Sample Time/Dat Purging Flow Rat Did well de-water	e: <u>C8001 13</u>	2 <u>/4</u> 0~ Sedim	ther Conditions: Water Color ent Description ne:	Cle		: <u>/\u00e40</u>	
Time	Volume		Conductivity	Temperature	D.O.	ORP	-
(2400 hr.)	(gal.)	pΗ	(u mhos/cm)	(CF)	(mg/L)	(mV)	
0135	5	7.44	499	28.4			
0140	- 	7.40	402	28:4			
0745	1.5	7. 3 s	493	28.3			
			ABORATORY INI				 1
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPI			NALYSES	\dashv
MW- 3	3 x voa vial	YES	HCL	LANCASTE LANCASTE		ATM I DE(8021)	\longrightarrow
MW- 3	x amber	YES	NP	LANCASTE	T IFFE		
COMMENTS:							
Add/Replac	ced Lock:			Add/Replaced	Plug:	Size:	



Add/Replaced Lock: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

in. 29 ft. 20 ft. 09 xVF O.1	Date Monitored:	3/4"= 0.02 4"= 0.66 x3 (case volume) = Es	Time Bailed: Depth to Product: Depth to Water: Hydrocarbon Thickness Visual Confirmation/De Skimmer / Absorbant S Amt Removed from Sk Amt Removed from We Product Transferred to Odor:	3"= 0.38 12"= 5.80 / gal. (2400 (2400 (2400) s:	hrs) ft ft ft
1-4 in. 2.29 ft. 2.20 ft. 2.0 ft. 2.0 ft. 2.112-4-0	Date Monitored:	3/4"= 0.02 4"= 0.66 x3 (case volume) = Es	Well Condition: 1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 stimated Purge Volume: Time Started: Time Bailed: Depth to Product: Depth to Water: Hydrocarbon Thicknes: Visual Confirmation/De Skimmer / Absorbant S Amt Removed from Sk Amt Removed from Well Product Transferred to	12"= 5.80 / gal. (2400 (2400) s: escription: Bock (circle one) immer: ell:	hrs) ft ft ft gal
in. 29 ft. 20 ft. 09 xVF O.1	Volume Factor (VF) Sampling Equipment: Disposable Bailer Pressure Bailer Discrete Bailer Other: Veather Conditions: Water Color: diment Description:	3/4"= 0.02 4"= 0.66 x3 (case volume) = Es	1"= 0.04 2"= 0.17 5"= 1.02 6"= 1.50 stimated Purge Volume: _ Time Started: _ Time Bailed: _ Depth to Product: _ Depth to Water: _ Hydrocarbon Thicknes: Visual Confirmation/De Skimmer / Absorbant S Amt Removed from Water	12"= 5.80 / gal. (2400 (2400) s: escription: Bock (circle one) immer: ell:	hrs) ft ft ft ft
29 ft. 20 ft. 09 xVF 0.1	Factor (VF) Sampling Equipment: Disposable Bailer Pressure Bailer Discrete Bailer Other: Water Color: diment Description:) 4*= 0.66 x3 (case volume) = Es	stimated Purge Volume: Time Started: Time Bailed: Depth to Product: Depth to Water: Hydrocarbon Thicknes: Visual Confirmation/De Skimmer / Absorbant S Amt Removed from Sk Amt Removed from We Product Transferred to	12"= 5.80 / gal. (2400 (2400) s: escription: Bock (circle one) immer: ell:	hrs). ft ft ft ft
09 xVF O.1	Sampling Equipment: Disposable Bailer Pressure Bailer Discrete Bailer Other:	OX Clean	Time Started: Time Bailed: Depth to Product: Depth to Water: Hydrocarbon Thicknes: Visual Confirmation/De Skimmer / Absorbant S Amt Removed from Sk Amt Removed from We Product Transferred to	s:	hrs) ft ft ft ft
040 W 1/5/112-4-0 gpm. Sed	Disposable Bailer Pressure Bailer Discrete Bailer Other: //eather Conditions: // Water Color: diment Description:	Ox Clean	Time Bailed: Depth to Product: Depth to Water: Hydrocarbon Thickness Visual Confirmation/De Skimmer / Absorbant S Amt Removed from Sk Amt Removed from We Product Transferred to Odor:	s:	hrs). ft ft ft ft
040 W 1/5/17-4-0 — gpm. Sed	Pressure Bailer Discrete Bailer Other:		Depth to Water: Hydrocarbon Thickness Visual Confirmation/De Skimmer / Absorbant S Amt Removed from Sk Amt Removed from We Product Transferred to Odor:	s:escription: Bock (circle one) immer:ell:;	ft ft ft
040 W 1/5/17-6-0 — gpm. Sed	/eather Conditions: 2 [~] Water Color: diment Description:		Skimmer / Absorbant S Amt Removed from Sk Amt Removed from We Product Transferred to Odor:	Sock (circle one) immer:_ ell:_ ;	
gpm. Sed	diment Description:		Amt Removed from We Product Transferred to	ell:	
gpm. Sed	diment Description:			Yes	
			gal.		
olume (gal.) pH	Conductivity (u mhos/cm)	Temperature	D.O. (mg/L)	ORP (mV)	
5 6.93 6.90	399	30.4 30.4 30.4			
		1			4
x voa viai YES x amber YES		LANCASTER	TPH-D	WIDE(OUZI)	
					7
					 l
	x voa vial YES	ONTAINER REFRIG. PRESERV. TYPE A x voa vial YES HCL	x voa vial YES HCL LANCASTER	ONTAINER REFRIG. PRESERV. TYPE LABORATORY ANAL x voa vial YES HCL LANCASTER TPH-G(8015)/BTEX+N	ONTAINER REFRIG. PRESERV. TYPE LABORATORY ANALYSES A x voa vial YES HCL LANCASTER TPH-G(8015)/BTEX+MTBE(8021)

Add/Replaced Plug: _____ Size:____



WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: C	hevronTexaco	#9-480	10	Job Number:	386383	
· -	700 Castro St	reet		Event Date:	12/4/07	(inclusiv
City:	akland, CA			Sampler:	<u>ch</u>	
Well ID	MW-5	Date	e Monitored: _/	446-	Well Condition:	ÓK
Well Diameter	2 in.		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3"= 0.38
Total Depth	27.95 ft.		Factor (VI		5"= 1.02 6"= 1.50	12*= 5.80
Depth to Water	26.32th.	-017	- 0.18	×2 (0000 volume) =	Estimated Purge Volume:	gal.
_	xv				Time Started:	(2400 hrs)
Purge Equipment:			npling Equipmen	l:	Time Bailed:	(2400 hrs)
Disposable Bailer			posable Bailer		Depth to Product:	f
Stainless Steel Bailer			ssure Bailer		_ Depth to Water:	
Stack Pump		Dis	crete Bailer		Hydrocarbon Thicknet Visual Confirmation/D	
Suction Pump		Oth	er:		- Visual Commination	
Grundfos					Skimmer / Absorbant	
Other:					4	Skimmer: gal
					Amt Removed from V	
					Product Transferred	U
Time (2400 hr.)	Volume (gal.)	If yes, Tin pH フ・ソ <u>レ</u> フ・イ レ	Conductivity (u mhos/cm) 584	Volume:	gal. D.O. (mg/L)	ORP (mV)
6630		7.39	586	20,7		
			BORATORY IN			u vere
SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYP			ALYSES
MW- 5	3 x voa vial	YES	HCL	LANCASTE LANCASTE		TIM I DE(OUZ I)
MW- \$	2 x amber	YES	NP	LANCASTE	R IFFE	
	ת כד	, 1			J de-u	Par
COMMENTS:	_ Baile	/_ 	oulx -	N acou	v ac·a	many
Add/Replace	ad Lagle			Add/Replaced	Pluo S	size:

Add/Replaced Lock: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

· -	ChevronTexac	•		Job Number:	386383	
-	1700 Castro St Dakland, CA	reet		Event Date: Sampler:	10/40~ Ca. R.	(inclusiv
Well ID Well Diameter Total Depth Depth to Water	MW-6 2 in. 28.06 ft. 24.79 ft. 3.27 x		Volume Factor (VF)	3/4°= 0.02 4°= 0.66	Well Condition: 1*= 0.04	5.80
Purge Equipment: Disposable Bailer Stainless Steel Bailer Stack Pump Suction Pump Grundfos Other:		Sai Dis Pre Dis	mpling Equipment: posable Bailer essure Bailer crete Bailer ner:		Time Started: Time Balled: Depth to Product: Depth to Water: Hydrocarbon Thickness: Visual Confirmation/Descriptio Skimmer / Absorbant Sock (cit Amt Removed from Skimmer: Amt Removed from Well: Product Transferred to:	(2400 hrs)(2400 hrs)ftftft an:rcle one)gal
Start Time (purge) Sample Time/Date Purging Flow Rate Did well de-water Time (2400 hr.) 0655 0700	e: 07201 (2) e:gpm. ?0 Volume (gal.)	<i>Jula-</i> Sedim	ther Conditions: Water Color: ent Description: ne: Conductivity (u mhos/cm) 374 376 373	<i>CQa</i>	gal.	RP V)
SAMPLE ID MW- G MW- G	(#) CONTAINER 3 x voa vial x amber	LA REFRIG. YES YES	BORATORY INFO PRESERV. TYPE HCL NP		TPH-G(8015)/BTEX+MTBE(8	021)
COMMENTS:						

Add/Replaced Plug: _____ Size:____



Add/Replaced Lock: _____

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #:	ChevronTexaco #9-4800		<u>, </u>	Job Number:	386383			
Site Address:	1700 Castro St	reet	·	Event Date:	12-4.	OV		(inclusi
City:	Oakland, CA			Sampler:	G.N	<u> </u>		
Well ID	мw- 7_	Date	Monitored: _/	7-4-0~	Well Cor	ndition:	OK	
Well Diameter	2 in.		Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38	1
Total Depth	30.00th.		Factor (VF				12"= 5.80	
Depth to Water	28-03ft.							•
	1.97 x1	/F <u>0.17</u>	_= <u>03</u> 3	x3 (case volume) = l	stimated Purge	e Volume:	gal.	
Purge Equipment:	,	Samp	oling Equipment	:	Time Starter Time Bailed			400 hrs) 2400 hrs)
Disposable Bailer		Dispo	sable Bailer	<u>:</u>		oduct:		ft
Stainless Steel Baile		•	sure Bailer		Depth to Wa			ff
Stack Pump		Discr	ete Bailer		_	n Thickness		ft
Suction Pump		Other	r!		Visual Conf	firmation/Des	scription:	
Grundfos					Skimmer / A	Absorbant S	ock (circle one	,
Other:					· ·		mmer:	
							:	gal
					Product Tra	ensferred to:		
Start Time (purg	·		er Conditions Water Color		Over		SIN	
	ate: 0935110 ate: gpm.	Sedimer		Cle	4.		ΝÒ	-
Sample Time/Da Purging Flow Ra	ate: 0935112 ate:gpm. er?	Sedimer If yes, Time	Water Color nt Description Conductivity	Volume:	gal.	Odor: _	ORP	
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.)	ate: 0935110 ate:gpm. er? No	Sedimer If yes, Time	Water Color nt Description e: Conductivity (umhos/cm)	Volume:	gal.	Odor: _		•
Sample Time/Da Purging Flow Ra Did well de-wate Time	te: 0935110 ate: gpm. er? NO Volume (gal.)	Sedimer If yes, Time	Water Color nt Description e: Conductivity (u mhos/cm)	Volume: Temperature (C/F)	gal.	Odor: _	ORP	
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) O 9 1 0	volume (gal.)	Sedimer If yes, Time	Water Color nt Description Conductivity (u mhos/cm) 501 487	Temperature (C/F)	gal.	Odor: _	ORP	
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.)	volume (gal.)	Sedimer If yes, Time	Water Color nt Description e: Conductivity (u mhos/cm)	Volume: Temperature (C/F)	gal.	Odor: _	ORP	
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) O 9 (5	volume (gal.)	Sedimer If yes, Time	Water Color nt Description Conductivity (u mhos/cm) 501 487	Temperature (C/F)	gal.	Odor: _	ORP	
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) O 9 1 0	volume (gal.)	Sedimer If yes, Time pH 7.19 _ 7.01	Water Color nt Description Conductivity (u mhos/cm) 501 487	Volume: Temperature (C/F) 29. 2 29. 2	gal.	Odor:	ORP (mV)	
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) O 9 1 0	volume (gal.)	Sedimer If yes, Time pH 7.19	Water Color nt Description a: Conductivity (u mhos/cm) 501 487 484	Volume: Temperature (C/F) 29. 2 29. 2 39. 2	gal. D.O. (mg/L	Odor:	ORP (mV)	
Sample Time/Da Purging Flow Ra Did well de-wate Time (2400 hr.) O 9 1 0 O 9 2	volume (gal.)	Sedimer If yes, Time pH 7.19	Water Color nt Description e: Conductivity (umhos/cm) 501 487 484	Volume: Temperature (C/F) 24. 2 29. 2 29. 2 FORMATION E LABORATOR LANCASTER	gal. D.O. (mg/L	Odor:	ORP (mV)	
Sample Time/Da Purging Flow Ra Did well de-wate (2400 hr.) (290 o (290 o (290 o (240 o (volume (gal.) (#) CONTAINER	Sedimer If yes, Time pH 7.19 7.11 7.01 LAB REFRIG.	Water Color nt Description a: Conductivity (u mhos/cm) 3 01 4 8 7 4 8 4 BORATORY INI PRESERV. TYPI	Volume: Temperature (C/F) 29. 2 29. 2 FORMATION E LABORATOR	gal. D.O. (mg/L	Odor:	ORP (mV)	
Sample Time/Da Purging Flow Ra Did well de-wate (2400 hr.)	volume (gal.) (#) CONTAINER x voa vial	Sedimer If yes, Time pH 7.19 7.11 7.01 LAB REFRIG. YES	Water Color nt Description Conductivity (u mhos/cm) 301 487 484 BORATORY INI PRESERV. TYPI HCL	Volume: Temperature (C/F) 24. 2 29. 2 29. 2 FORMATION E LABORATOR LANCASTER	gal. D.O. (mg/L	Odor:	ORP (mV)	
Sample Time/Da Purging Flow Ra Did well de-wate (2400 hr.)	volume (gal.) (#) CONTAINER x voa vial	Sedimer If yes, Time pH 7.19 7.11 7.01 LAB REFRIG. YES	Water Color nt Description Conductivity (u mhos/cm) 301 487 484 BORATORY INI PRESERV. TYPI HCL	Volume: Temperature (C/F) 24. 2 29. 2 29. 2 FORMATION E LABORATOR LANCASTER	gal. D.O. (mg/L	Odor:	ORP (mV)	

Add/Replaced Plug: _____ Size:____

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories				For Lancaster Laboratories use only Acct. #: 10965 Sample #: 3956135-42 SCR#:												
Where quality is a science.	121	0607	-0	10				,	Anai	yses f	Reques	ted		Grp#83	13689	
Facility #: 9-4800 Job #386383 Site Address: 1700 CASTRO ST., OA		D#T060010	02076	Matri	×	Ħ	Н	diagraph	Pres	ervati	on Cod	es		Preserv H = HCl N = HNO ₃ S = H ₂ SO ₄	rative Code T = Thioso B = NaOH O = Other	ulfate 1
Consultant/Office: G-R, Inc., 6747 Sierr Consultant Prj. Mgr.: Deanna L. Harding Consultant Phone #: 925-551-7555 Sampler: G. Rogard	(Dea		199_ 199_	Soil Potable Water NPDES	Oil ☐ Air ☐ Total Number of Containers	8TEX + MTBE 8260 □ 8021 🗹		1PH 80 15 MOD UNO SINICA CHA CHEA	Oxygenates	Lead 7420 🖂 7421 🖂				☐ J value report ☐ Must meet look ☐ possible for 8021 MTBE Coordinate high ☐ Confirm all to ☐ Run or ☐ Run or	owest detection 8260 compoun confirmation thest hit by 8260 this by 8260 this son highest this son all hits	on limits unds 60 st hit
© A	12/6/02		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	555555555555555555555555555555555555555	XXXXX		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						Comments /	Remarks	
Turnaround Time Requested (TAT) (please clips of the state of the stat	ır	UPS	shed by	Commercial disconnections of the control of the con	Other	3		Date 12/6 Date 12-6-	69	Time 1310 Time 1510 Time	Rece	ivep by:	bov :	Revele	<u> </u>	Time 15/0 Time



ANALYTICAL RESULTS

Prepared for:

RECEIVED

ChevronTexaco 6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

uni 27 2007

925-842-8582

Prepared by:

Lancaster, PA 17605-2425

GETTLER RYAN INC.

Lancaster Laboratories 2425 New Holland Pike

SAMPLE GROUP

The sample group for this submittal is 833689. Samples arrived at the laboratory on Saturday, December 07, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-021206	NA	Water	3956135
MW-1-W-021206	Grab	Water	3956136
MW-2-W-021206	Grab	Water	3956137
MW-3-W-021206	Grab	Water	3956138
MW-4-W-021206	Grab	Water	3956139
MW-5-W-021206	Grab	Water	3956140
MW-6-W-021206	Grab	Water	3956141
MW-7-W-021206	Grab	Water	3956142

1 COPY TO

Delta C/O Gettler-Ryan

Attn: Deanna L. Harding

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

Respectfully Submitted,

Michele M. Turner

cnele M. Turn Manager



Page 1 of 1

Lancaster Laboratories Sample No. WW 3956135

Collected:12/06/2002 00:00 Account Number: 10905

Submitted: 12/07/2002 11:15 ChevronTexaco

Reported: 12/24/2002 at 17:19 6001 Bollinger Canyon Rd L4310

Discard: 01/24/2003 San Ramon CA 94583

QA-T-021206 Water

Facility# 94800 Job# 386383 GRD

1700 Castro St-Oakland T0600102076 QA

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of	n.a.	N.D.	50.	ug/l	ı
	gasoline constituents eluting start time. A site-specific MSD sample was was performed to demonstrate p	prior to the Co not submitted	(n-hexane) TPH- for the project.	GRO range A LCS/LCSD		
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/1	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/1	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/1	1
	A site-specific MSD sample was	not submitted	for the project.	A LCS/LCSD	<u> </u>	
	was performed to demonstrate p					

State of California Lab Certification No. 2116

Laboratory	Chronialo	
- Laucral Drv	- Caronicie	

CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/11/2002 17:01	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/11/2002 17:01	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/11/2002 17:01	Melissa D Mann	n.a.

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



MEMBER 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fav: 717-656-2681



3956136 Lancaster Laboratories Sample No. WW

Collected:12/06/2002 08:45

by GR

Account Number: 10905

Submitted: 12/07/2002 11:15

Reported: 12/24/2002 at 17:19

ChevronTexaco 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 01/24/2003

MW-1-W-021206

Grab

Water

Facility# 94800 Job# 386383 GRD

1700 Castro St-Oakland

T0600102076 MW-1

CSO-1

CAT

No.

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters) According to the California LUFT Range Organics was performed by to that of our #2 fuel oil refer hydrocarbons). Site-specific MS/MSD samples wer was performed to demonstrate pre-	peak area compence standard re not submitte	earison of the same (between C10 and ed for the project	ple pattern C28 normal :. A LCS/LCSD	ug/1	10
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TP gasoline constituents eluting postart time. A site-specific MSD sample was a was performed to demonstrate pro-	rior to the C6	(n-hexane) TPH-Gi for the project.	RO range A LCS/LCSD	ug/l	1
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	71.	0.50	ug/l	1
00777	Toluene	108-88-3	2.1	0.50	ug/1	1
00778	Ethylbenzene	100-41-4	39.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	150.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether A site-specific MSD sample was was performed to demonstrate pr	1634-04-4 not submitted ecision and ac	34. for the project. curacy at a batch	2.5 A LCS/LCSD level.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

Analysis

Trial# Date and Time

Analyst

Dilution Factor

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



Analysis Name

2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681

Method



Page 2 of 2

Lancaster Laboratories Sample No. WW 3956136

Collected:12/06/2002 08:45 by GR Account Number: 10905

Submitted: 12/07/2002 11:15 ChevronTexaco

Reported: 12/24/2002 at 17:19 6001 Bollinger Canyon Rd L4310

Discard: 01/24/2003 San Ramon CA 94583

Modified

MW-1-W-021206 Grab Water

Facility# 94800 Job# 386383 GRD

1700 Castro St-Oakland T0600102076 MW-1

CSO-1 05553 Tracy A Cole 10 TPH - DRO CA LUFT (Waters) CALUFT-DRO/8015B, 1 12/14/2002 22:59 Modified 01729 12/11/2002 12:01 Linda C Pape TPH-GRO - Waters N. CA LUFT Gasoline 1 1 Method Linda C Pape 08214 BTEX, MTBE (8021) SW-846 8021B 1 12/11/2002 12:01 1 Linda C Pape 01146 GC VOA Water Prep SW-846 5030B 12/11/2002 12:01 1 n.a. 07003 Extraction - DRO (Waters) CALUFT-DRO/8015B, 12/11/2002 16:00 Elia R Botrous 1

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





3956137 Lancaster Laboratories Sample No.

Collected:12/06/2002 10:25

by GR

Account Number: 10905

Submitted: 12/07/2002 11:15

Reported: 12/24/2002 at 17:19

ChevronTexaco 6001 Bollinger Canyon Rd L4310

As Received

San Ramon CA 94583

Discard: 01/24/2003

Grab

Water

MW-2-W-021206 Facility# 94800

Job# 386383

GRD

1700 Castro St-Oakland

T0600102076 MW-2

CSO-2

				We Kecelved		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
05553	TPH - DRO CA LUFT (Waters) According to the California LUFT Range Organics was performed by to that of our #2 fuel oil refer hydrocarbons). Site-specific MS/MSD samples wer was performed to demonstrate pre-	peak area comprence standard re not submitte	parison of the sai (between C10 and ed for the projec	mple pattern C28 normal t. A LCS/LCSD	ug/l	5
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of Tigasoline constituents eluting protections of the start time. A site-specific MSD sample was was performed to demonstrate pr	rior to the C6	(n-hexane) TPH-G for the project.	RO range A LCS/LCSD	ug/l	1
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	21.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	58.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	3.4	1.5	ug/l	1
00780	Methyl tert-Butyl Ether A site-specific MSD sample was was performed to demonstrate pr	1634-04-4 not submitted recision and ac	480. for the project. curacy at a batch	2.5 A LCS/LCSD 1 level.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

Analysis

Dilution

CAT No.

Analysis Name

Method

Trial# Date and Time

Analyst

Factor

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



2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. WW 3956137

Collected:12/06/2002 10:25 by GR Account Number: 10905

Submitted: 12/07/2002 11:15 ChevronTexaco

Reported: 12/24/2002 at 17:19 6001 Bollinger Canyon Rd L4310

Discard: 01/24/2003 San Ramon CA 94583

Modified

MW-2-W-021206 Grab Water

Facility# 94800 Job# 386383 GRD

1700 Castro St-Oakland T0600102076 MW-2

CSO-2 05553 TPH - DRO CA LUFT (Waters) 12/15/2002 13:54 CALUFT-DRO/8015B, Tracy A Cole Modified 01729 TPH-GRO - Waters 12/11/2002 12:34 Linda C Pape N. CA LUFT Gasoline 1 Method 08214 BTEX, MTBE (8021) SW-846 8021B ı 12/11/2002 12:34 Linda C Pape 1 01146 GC VOA Water Prep SW-846 5030B 12/11/2002 12:34 Linda C Pape 1 n.a. 07003 Extraction - DRO (Waters) CALUFT-DRO/8015B, 12/11/2002 16:00 Elia R Botrous

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





3956138 Lancaster Laboratories Sample No.

Collected:12/06/2002 08:00

by GR

Account Number: 10905

As Received

Submitted: 12/07/2002 11:15

Reported: 12/24/2002 at 17:19

Discard: 01/24/2003

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

ChevronTexaco

MW-3-W-021206

Grab

Water

Facility# 94800 Job# 386383

GRD

1700 Castro St-Oakland

T0600102076 MW-3

CSO-3

No.

CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
05553	TPH - DRO CA LUFT (Waters) According to the California LUFT Range Organics was performed by to that of our #2 fuel oil refer hydrocarbons). Site-specific MS/MSD samples wer was performed to demonstrate pre-	peak area compence standard e not submitte	earison of the same (between C10 and ed for the project	pple pattern C28 normal A LCS/LCSD	υg/ 1	1
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of TR gasoline constituents eluting pr start time. A site-specific MSD sample was r was performed to demonstrate pre	rior to the C6	n-hexane) TPH-GF for the project. A	RO range A LCS/LCSD	ug/l	1
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	60.	0.50	ug/l	1
00777	Toluene	108-88-3	1.3	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	11.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	32.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether A site-specific MSD sample was: was performed to demonstrate pr	1634-04-4 not submitted ecision and ac	530. for the project curacy at a batch	2.5 A LCS/LCSD level.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

Analysis CAT

Method

Dilution Factor

Analyst Trial# Date and Time

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



Analysis Name

MEMBER

2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. 3956138

Collected:12/06/2002 08:00 by GR Account Number: 10905

Submitted: 12/07/2002 11:15 ChevronTexaco

Reported: 12/24/2002 at 17:19 6001 Bollinger Canyon Rd L4310

Water

Discard: 01/24/2003 San Ramon CA 94583

MW-3-W-021206 Grab

Facility# 94800 Job# 386383 GRD

1700 Castro St-Oakland T0600102076 MW-3

CSO-3						
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	12/14/2002 17:20	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/11/2002 13:07	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/11/2002 13:07	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/11/2002 13:07	Linda C Pape	n.a.
07003	Extraction - DRO (Waters)	CALUFT-DRO/8015B, Modified	1	12/11/2002 16:00	Elia R Botrous	1





3956139 Lancaster Laboratories Sample No. WW

Collected:12/06/2002 11:15

by GR

Grab

Account Number: 10905

As Received

Submitted: 12/07/2002 11:15

Reported: 12/24/2002 at 17:19

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Discard: 01/24/2003 MW-4-W-021206

Water

Facility# 94800 Job# 386383

GRD

1700 Castro St-Oakland T0600102076 MW-4

CSO-4

				110 110040.00		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	1,400.	50.	ug/l	1
	According to the California LUF Range Organics was performed by	r protocol, the neak area com	e quantitation i narison of the s	ample pattern		
	to that of our #2 fuel oil reference by the hydrocarbons).	rence standard	(between C10 an	d C28 normal		
	Site-specific MS/MSD samples we	re not submitte	ed for the proje	ct. A LCS/LCSD		
	was performed to demonstrate pr	ecision and ac	curacy at a batc	h level.		
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	280.	50.	ug/l	1
	The reported concentration of T gasoline constituents eluting p start time.	PH-GRO does no rior to the C6	t include MTBE o (n-hexane) TPH-	or other GRO range		
	A site-specific MSD sample was	not submitted	for the project.	A LCS/LCSD		
	was performed to demonstrate pr	ecision and ac	curacy at a bato	h level.		
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	3.6	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	1.7	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780		1634-04-4	730.	2.5	ug/l	1
	A site-specific MSD sample was	not submitted	for the project	. A LCS/LCSD		
	was performed to demonstrate pa	recision and ac	curacy at a bate	ch level.		

State of California Lab Certification No. 2116

Laboratory Chronicle

Analysis CAT Trial# Date and Time Method Analysis Name No.

Dilution Factor Analyst

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



2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. WW 3956139

Collected:12/06/2002 11:15 Account Number: 10905 by GR

Submitted: 12/07/2002 11:15 ChevronTexaco

Reported: 12/24/2002 at 17:19 6001 Bollinger Canyon Rd L4310

Discard: 01/24/2003 San Ramon CA 94583

MW-4-W-021206 Grab Water

Facility# 94800 Job# 386383 GRD

1700 Castro St-Oakland T0600102076 MW-4

CSO-4 05553 CALUFT-DRO/8015B, TPH - DRO CA LUFT (Waters) 1 Tracy A Cole 12/14/2002 18:51 1 Modified 01729 TPH-GRO - Waters N. CA LUFT Gasoline 12/11/2002 13:41 Melissa D Mann 1 1 Method 08214 BTEX, MTBE (8021) SW-846 8021B 1 12/11/2002 13:41 Melissa D Mann 1 01146 GC VOA Water Prep Melissa D Mann SW-846 5030B 12/11/2002 13:41 1 n.a. 07003 Extraction - DRO (Waters) CALUFT-DRO/8015B, 12/11/2002 16:00 Elia R Botrous

Modified





3956140 Lancaster Laboratories Sample No.

Collected:12/06/2002 06:40

by GR

Account Number: 10905

San Ramon CA 94583

As Received

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 12/07/2002 11:15

Reported: 12/24/2002 at 17:19

Discard: 01/24/2003

Water

MW-5-W-021206

Facility# 94800 Job# 386383

Grab

1700 Castro St-Oakland

GRD T0600102076 MW-5

CSO-5

				no necerica		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
05553	TPH - DRO CA LUFT (Waters) According to the California LUFT Range Organics was performed by to that of our #2 fuel oil refer hydrocarbons). Site-specific MS/MSD samples wer	peak area comp cence standard	parison of the some (between C10 and	ample pattern d C28 normal	ug/l	1
	was performed to demonstrate pre					
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of Tigasoline constituents eluting practice time. A site-specific MSD sample was a was performed to demonstrate pro-	rior to the C6	(n-hexane) TPH- for the project.	GRO range A LCS/LCSD	ug/l	1
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether A site-specific MSD sample was was performed to demonstrate pr				ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

Analysis CAT Trial# Date and Time Method No. Analysis Name

Analyst

Dilution Factor

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



2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. 3956140

Collected:12/06/2002 06:40 Account Number: 10905 by GR

Submitted: 12/07/2002 11:15 ChevronTexaco

6001 Bollinger Canyon Rd L4310 Reported: 12/24/2002 at 17:19

Discard: 01/24/2003 San Ramon CA 94583

Modified

MW-5-W-021206 Grab Water

Facility# 94800 Job# 386383 GRD

1700 Castro St-Oakland T0600102076 MW-5

CSO-5 05553 12/14/2002 17:43 Tracy A Cole TPH - DRO CA LUFT (Waters) CALUFT-DRO/8015B, Modified 01729 TPH-GRO - Waters 12/11/2002 17:35 Melissa D Mann N. CA LUFT Gasoline 1 Method Melissa D Mann 08214 BTEX, MTBE (8021) SW-846 8021B 1 12/11/2002 17:35 1 GC VOA Water Prep Melissa D Mann 01146 SW-846 5030B 12/11/2002 17:35 n.a. 1 07003 Extraction - DRO (Waters) CALUFT-DRO/8015B, ı 12/11/2002 16:00 Elia R Botrous 1

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





Lancaster Laboratories Sample No. 3956141 WW

Collected:12/06/2002 07:20

by GR

Account Number: 10905

Submitted: 12/07/2002 11:15

ChevronTexaco

Reported: 12/24/2002 at 17:19 Discard: 01/24/2003

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

As Received

MW-6-W-021206

Water

Facility# 94800

Job# 386383

GRD

1700 Castro St-Oakland

T0600102076 MW-6

CSO-6

				110 110001.01		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	64.	50.	ug/l	1
	According to the California LUFT Range Organics was performed by to that of our #2 fuel oil refer hydrocarbons). Site-specific MS/MSD samples were was performed to demonstrate pro-	peak area comprence standard re not submitte	parison of the sa (between C10 and ed for the project	ample pattern 1 C28 normal ct. A LCS/LCSD		
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of T gasoline constituents eluting p start time. A site-specific MSD sample was a performed to demonstrate pr	rior to the C6	(n-hexane) TPH-(for the project.	GRO range A LCS/LCSD		
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	5.0	2.5	ug/l	1
	A site-specific MSD sample was was performed to demonstrate pr					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT

Analysis Name

Analysis Trial# Date and Time Method

Analyst

Dilution Factor

#=Laboratory MethodDetection Limit exceeded target detection limit

N.D.=Not detected at or above the Reporting drien inc. 2425 New Holland Pike

PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. 3956141

Account Number: 10905 Collected:12/06/2002 07:20 by GR

Submitted: 12/07/2002 11:15 ChevronTexaco

6001 Bollinger Canyon Rd L4310 Reported: 12/24/2002 at 17:19

San Ramon CA 94583 Discard: 01/24/2003

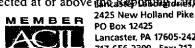
MW-6-W-021206 Grab Water

GRD Facility# 94800 Job# 386383

1700 Castro St-Oakland T0600102076 MW-6

CSO-6 Tracy A Cole TPH - DRO CA LUFT (Waters) CALUFT-DRO/8015B, 12/14/2002 18:06 05553 Modified 1 12/11/2002 18:08 Melissa D Mann N. CA LUFT Gasoline 01729 TPH-GRO - Waters Method 12/11/2002 18:08 Melissa D Mann 1 08214 BTEX, MTBE (8021) SW-846 8021B 1 Melissa D Mann n.a. 12/11/2002 18:08 SW-846 5030B 1 GC VOA Water Prep 01146 12/11/2002 16:00 Elia R Botrous Extraction - DRO (Waters) CALUFT-DRO/8015B, 1 07003

Modified





Lancaster Laboratories Sample No. 3956142

Collected:12/06/2002 09:35

by GR

Account Number: 10905

San Ramon CA 94583

As Received

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 12/07/2002 11:15

Reported: 12/24/2002 at 17:20

Discard: 01/24/2003

Water Grab

MW-7-W-021206 Facility# 94800 Job# 386383

GRD

1700 Castro St-Oakland

T0600102076 MW-7

C\$0-7

				WP WOOTH		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	N.D.	50.	ug/l	1
	According to the California LUFT Range Organics was performed by to that of our #2 fuel oil refer hydrocarbons). Site-specific MS/MSD samples wer was performed to demonstrate pro-	peak area com rence standard re not submitt	parison of the s (between C10 an ed for the proje	ample pattern d C28 normal ct. A LCS/LCSD		
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	68.	50.	ug/l	1
	The reported concentration of T gasoline constituents eluting p start time. A site-specific MSD sample was was performed to demonstrate pr	rior to the C6	<pre>for the project.</pre>	GRO range A LCS/LCSD		
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	u g /l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	2,200.	2.5	ug/l	5
	A site-specific MSD sample was was performed to demonstrate pr					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT Analysis Trial# Date and Time No. Analysis Name Method

Analyst

Dilution Factor

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



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Page 2 of 2

Lancaster Laboratories Sample No. 3956142

Account Number: 10905 Collected:12/06/2002 09:35 by GR

Submitted: 12/07/2002 11:15 ChevronTexaco

6001 Bollinger Canyon Rd L4310 Reported: 12/24/2002 at 17:20

San Ramon CA 94583 Discard: 01/24/2003

MW-7-W-021206 Water Grab

GRD Facility# 94800 Job# 386383

1700 Castro St-Oakland T0600102076 MW-7

CSO-7						
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	12/14/2002 18:28	Tracy A Cole	1
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/11/2002 14:48	Melissa D Mann	1
08214	BTEX. MTBE (8021)	SW-846 8021B	1	12/11/2002 14:14	Melissa D Mann	5
08214	BTEX. MTBE (8021)	SW-846 8021B	1	12/11/2002 14:48	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/11/2002 14:14	Melissa D Mann	n.a.
07003	Extraction - DRO (Waters)	CALUFT-DRO/8015B,	1	12/11/2002 16:00	Elia R Botrous	1





Quality Control Summary

Client Name: ChevronTexaco

Group Number: 833689

Reported: 12/24/02 at 05:20 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 023440017A TPH - DRO CA LUFT (Waters)	Sample no	omber(s): 50.	3956136-39 ug/l	56142 91	95	54-120	4	20
Batch number: 02345A53A Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether TPH-GRO - Waters	Sample n N.D. N.D. N.D. N.D. N.D.	umber(s): .2 .2 .2 .6 .3 50.	3956135-39 ug/l ug/l ug/l ug/l ug/l ug/l	56142 91 99 94 94 90	91 99 95 95 86 97	80-118 82-119 81-119 82-120 79-127 74-116	0 0 1 1 4 3	30 30 30 30 30 30

Sample Matrix Quality Control

	MS	MSD	MS/MSD		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	Limits	RPD	<u>MAX</u>	Conc	Conc	RPD	Max
Batch number: 02345A53A	Sample	e number	(s): 39561	35-39561	.42				
Benzene	103		83~130						
Toluene	110		87-129						
Ethylbenzene	106		86-133						
Total Xylenes	106		86-132						
Methyl tert-Butyl Ether	95		66-140						
TPH-GRO - Waters	111		74-132						

Surrogate Quality Control

Analysis Name: TPH - DRO CA LUFT (Waters)

Batch number: 023440017A Orthoterphenyl

3956136	109
3956137	105
3956138	104
3956139	108
3956140	97
3956141	100
3956142	99
Blank	91

*- Outside of specification

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



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425



Page 2 of 2

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 833689

Reported: 12/24/02 at 05:20 PM

Surrogate Quality Control

LCS 89 LCSD 93

59-139 Limits:

Analysis Name: BTEX, MTBE (8021)

Batch number: 02345A53A

Trifluorotoluene-F Trifluorotoluene-P 3956135 106 95 3956136 107 99 100 92 3956137 3956138 100 93 90 3956139 103 3956140 103 96 3956141 105 94 91 3956142 106 Blank 110 96 97 LCS 109 96 LCSD 108 MS 105 96 Limits: 57-146 71-130

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The background result was more than four times the spike added.

