

Environmental Management  
Company  
6001 Bollinger Canyon Rd, L4050  
P.O. Box 6012  
San Ramon, CA 94583-2324  
Tel 925-842-1589  
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Karen Streich  
Project Manager

10/22/04

October 12, 2004

**ChevronTexaco**

Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Re: Chevron Service Station # 9-0338

Address: 5500 Telegraph Ave., Oakland, California

I have reviewed the attached routine groundwater monitoring report dated September 20, 2004.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Gettler-Ryan, Inc., upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,



Karen Streich  
Project Manager

Enclosure: Report



# GETTLER-RYAN INC.

## TRANSMITTAL

September 20, 2004  
G-R #386456

TO: Mr. Bruce H. Eppler  
Cambria Environmental Technology, Inc.  
4111 Citrus Avenue, Suite 12  
Rocklin, California 95677

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

RE: **Chevron Service Station  
#9-0338  
5500 Telegraph Avenue  
Oakland, California  
MTI: 61D-1957**

### WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	September 17, 2004	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 20, 2004

### COMMENTS:

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

Ms. Karen Streich, ChevronTexaco Company, P.O. Box 6012, Room K2256, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **October 11, 2004**, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Enclosures

trans/9-0338-KS



# GETTLER - RYAN INC.

September 17, 2004  
G-R Job #386456

Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6012, Room K2256  
San Ramon, CA 94583

**RE: Third Quarter Event of August 20, 2004**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-0338  
5500 Telegraph Avenue  
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.

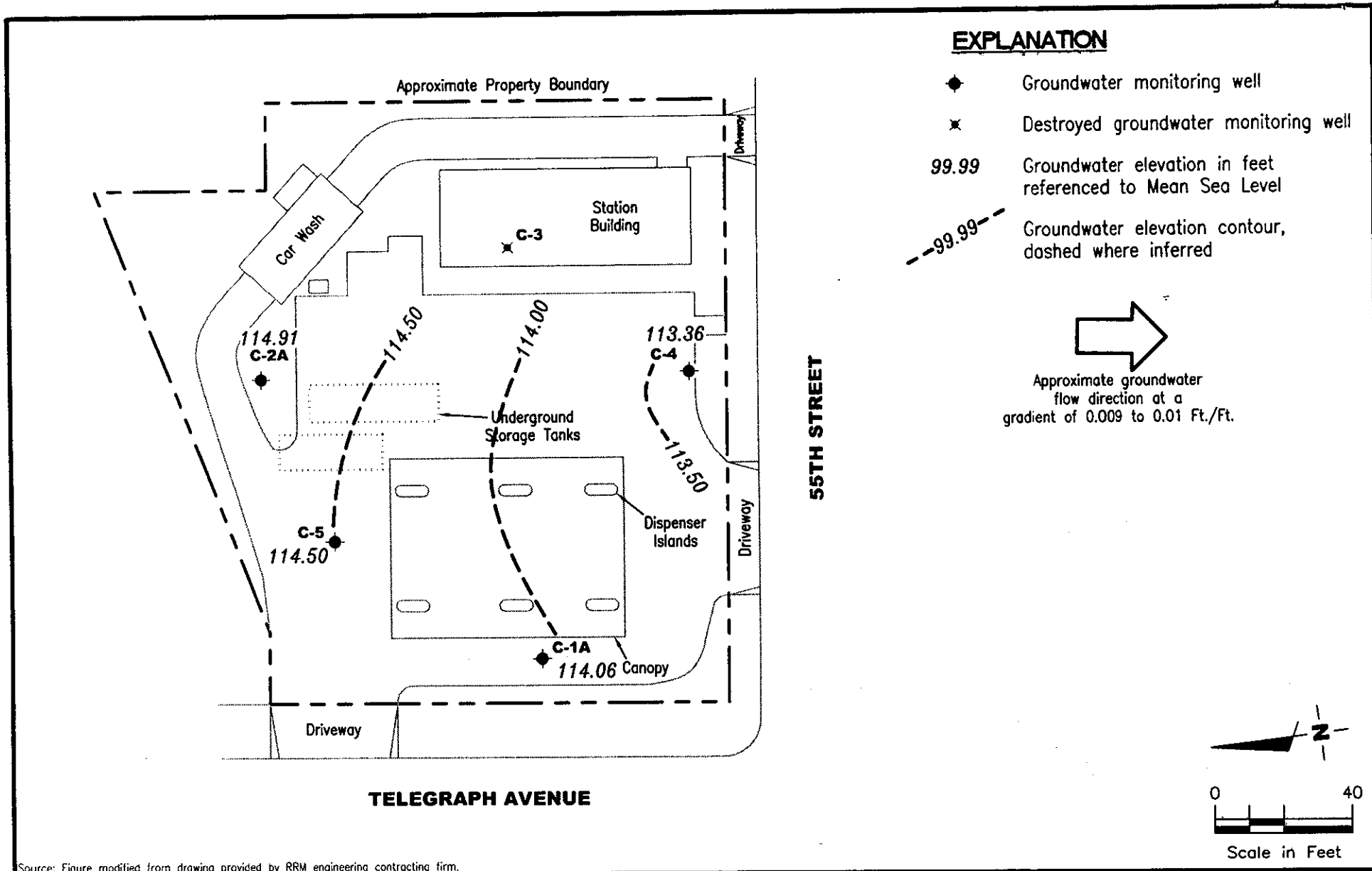
Sincerely,

Deanna L. Harding  
Project Coordinator

Hagop Kevork  
P.E. No. C55734

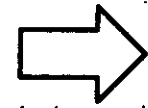


- Figure 1: Potentiometric Map
- Table 1: Groundwater Monitoring Data and Analytical Results
- Table 2: Groundwater Analytical Results - Oxygenate Compounds
- Table 3: Groundwater Analytical Results
- Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports

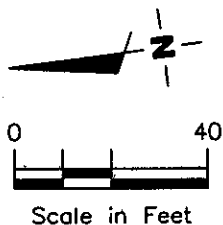


**EXPLANATION**

- ◆ Groundwater monitoring well
- ✕ Destroyed groundwater monitoring well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level
- 99.99--- Groundwater elevation contour, dashed where inferred



Approximate groundwater flow direction at a gradient of 0.009 to 0.01 Ft./Ft.



Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

**POTENTIOMETRIC MAP**  
 Chevron Service Station #9-0338  
 5500 Telegraph Avenue  
 Oakland, California

FIGURE  
**1**

PROJECT NUMBER  
**386456**

REVIEWED BY

DATE  
 August 20, 2004

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0338  
5500 Telegraph Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>C-1A</b>									
05/27/99	123.27	115.93	7.34	9,100	40	25	560	1,900	35
09/02/99	123.27	115.72	7.55	9,700	24	18.4	626	754	66
10/27/99	123.27	115.84	7.43	4,740	<10	<10	276	270	<100/66.6 <sup>2</sup>
02/11/00	123.27	115.27	8.00	5,100	17.5	<10	182	333	<50
05/10/00	123.27	116.65	6.62	11,000 <sup>1</sup>	110	170	480	980	<500
07/27/00	123.27	115.14	8.13	6,200 <sup>1</sup>	<50	<50	540	150	<250
11/21/00	123.27	115.60	7.67	6,500 <sup>1</sup>	19	<10	450	360	<50
02/05/01	123.27	115.91	7.36	5,270	1.43	1.04	326	269	15.0
05/07/01	123.27	115.90	7.37	3,000 <sup>1</sup>	37	27	520	490	63
08/06/01	123.27	115.15	8.12	3,300 <sup>1</sup>	3.1	3.8	160	100	47
11/12/01	123.27	116.42	6.85	5,100	1.9	<2.0	230	230	3.1
02/11/02	123.27	114.99	8.28	820	1.3	<0.50	21	7.7	5.7/4 <sup>3</sup>
05/13/02	123.27	114.30	8.97	1,800	<1.0	<0.50	26	8.6	7.5
08/09/02	123.27	114.33	8.94	2,100	1.7	<5.0	29	<20	<2.5
11/07/02	123.27	114.37	8.90	2,600	<2.0	1.0	13	54	7.9
02/04/03	123.27	115.47	7.80	640	<2.0	<2.0	4.4	6.3	7.8
05/05/03	123.27	115.84	7.43	980	<2.0	0.5	19	10	7.3
08/28/03 <sup>5</sup>	123.27	114.16	9.11	2,100	<0.5	<0.5	7	4	7
11/26/03 <sup>5</sup>	123.27	113.74	9.53	490	<0.5	<0.5	<0.5	<0.5	11
02/25/04 <sup>5</sup>	123.27	116.41	6.86	<50	<0.5	<0.5	<0.5	3	3
05/22/04 <sup>5</sup>	123.27	114.15	9.12	110	<0.5	<0.5	<0.5	<0.5	6
08/20/04 <sup>5</sup>	123.27	114.06	9.21	700	<0.5	<0.5	17	<0.5	4
<b>C-2A</b>									
05/27/99	125.89	119.53	6.36	<50	<0.5	<0.5	<0.5	<0.5	44
09/02/99	125.89	117.04	8.85	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/27/99	125.89	116.65	9.24	<50	<0.5	<0.5	<0.5	<0.5	8.75/7.77 <sup>2</sup>
02/11/00	125.89	117.64	8.25	<50	<0.5	<0.5	<0.5	<0.5	17.8
05/10/00	125.89	117.46	8.43	<50	<0.50	<0.50	<0.50	<0.50	3.2
07/27/00	125.89	116.34	9.55	<50	<0.50	<0.50	<0.50	<0.50	20
11/21/00	125.89	116.39	9.50	<50	<0.50	<0.50	<0.50	<0.50	<50
02/05/01	125.89	116.50	9.39	<50.0	<0.500	<0.500	<0.500	<0.500	3.36

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0338  
5500 Telegraph Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>C-2A (cont)</b>									
05/07/01	125.89	116.29	9.60	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/06/01	125.89	115.72	10.17	<50	<0.50	0.59	<0.50	1.4	12
11/12/01	125.89	115.28	10.61	<50	<0.50	<0.50	<0.50	<1.5	3.4
02/11/02	125.89	117.31	8.58	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 <sup>3</sup>
05/13/02	125.89	115.76	10.13	1,100	17	83	21	99	29
08/09/02	125.89	116.76	9.13	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/07/02	125.89	114.37	11.52	<50	<0.50	<0.50	<0.50	<1.5	7.5
02/04/03	125.89	116.87	9.02	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/05/03	125.89	116.61	9.28	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/28/03 <sup>5</sup>	125.89	114.98	10.91	<50	<0.5	<0.5	<0.5	<0.5	1
11/26/03 <sup>5</sup>	125.89	114.73	11.16	<50	<0.5	<0.5	<0.5	<0.5	3
02/25/04 <sup>5</sup>	125.89	117.47	8.42	<50	<0.5	<0.5	<0.5	<0.5	0.5
05/22/04 <sup>5</sup>	125.89	115.68	10.21	<50	<0.5	<0.5	<0.5	<0.5	2
08/20/04 <sup>5</sup>	125.89	114.91	10.98	<50	<0.5	<0.5	<0.5	<0.5	<0.5
<b>C-4</b>									
05/27/99	125.40	115.34	10.06	<50	<0.5	<0.5	<0.5	<0.5	44
09/02/99	125.40	114.89	10.51	<50	<0.5	<0.5	<0.5	<0.5	3.1
10/27/99	125.40	115.03	10.37	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0 <sup>2</sup>
02/11/00	125.40	114.48	10.92	<50	<0.5	<0.5	<0.5	<0.5	2.79
05/10/00	125.40	116.28	9.12	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/27/00	125.40	113.50	11.90	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/21/00	125.40	113.76	11.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5
02/05/01	125.40	115.21	10.19	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/07/01	125.40	114.45	10.95	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/06/01	125.40	113.75	11.65	<50	<0.50	0.52	<0.50	1.1	3.2
11/12/01	125.40	113.69	11.71	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/11/02 <sup>4</sup>	125.40	114.45	10.95	<50	<0.50	<0.50	<0.50	<1.5	72/62 <sup>3</sup>
05/13/02	125.40	113.64	11.76	<50	<0.50	<0.50	<0.50	<1.5	21
08/09/02	125.40	114.50	10.90	<50	<0.50	<0.50	<0.50	<1.5	4.9
11/07/02	125.40	113.72	11.68	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/04/03	125.40	114.44	10.96	<50	<0.50	<0.50	<0.50	<1.5	81

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0338  
5500 Telegraph Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>C-4 (cont)</b>									
05/05/03	125.40	114.25	11.15	<50	<0.5	<0.5	<0.5	<1.5	120
08/28/03 <sup>S</sup>	125.40	114.19	11.21	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/03 <sup>S</sup>	125.40	113.40	12.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/04 <sup>S</sup>	125.40	114.51	10.89	<50	<0.5	<0.5	<0.5	<0.5	16
05/22/04 <sup>S</sup>	125.40	114.29	11.11	<50	<0.5	<0.5	<0.5	<0.5	1
08/20/04 <sup>S</sup>	125.40	113.36	12.04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
<b>C-5</b>									
05/27/99	124.15	117.54	6.61	2,800	350	73	32	280	2,200/2,500 <sup>2</sup>
09/02/99	124.15	116.27	7.88	570	9.0	<2.5	<2.5	<2.5	890
10/27/99	124.15	116.90	7.25	543	4.22	<0.5	3.28	<0.5	845/1,080 <sup>2</sup>
02/11/00	124.15	117.41	6.74	488	0.56	<0.5	1.45	<0.5	565
05/10/00	124.15	118.36	5.79	140 <sup>1</sup>	3.6	1.2	0.53	2.0	380
07/27/00	124.15	116.92	7.23	260 <sup>1</sup>	1.4	1.2	0.93	2.8	460
11/21/00	124.15	117.47	6.68	130 <sup>1</sup>	0.74	0.73	<0.50	<0.50	350
02/05/01	124.15	117.74	6.41	111	<1.00	<1.00	<1.00	<1.00	197
05/07/01	124.15	117.91	6.24	100 <sup>1</sup>	2.1	1.0	<0.50	0.80	210
08/06/01	124.15	116.74	7.41	94 <sup>1</sup>	0.84	1.2	0.54	1.5	360
11/12/01	124.15	116.82	7.33	58	<0.50	<0.50	<0.50	<1.5	280
02/11/02	124.15	117.90	6.25	<50	<0.50	<0.50	<0.50	<1.5	150/140 <sup>3</sup>
05/13/02	124.15	116.13	8.02	79	7.7	1.2	2.6	5.5	180
08/09/02	124.15	113.13	11.02	<50	<0.50	<0.50	<0.50	<1.5	220
11/07/02	124.15	114.51	9.64	<50	<0.50	<0.50	<0.50	<1.5	300
02/04/03	124.15	117.07	7.08	2,300	210	4.4	250	53	490
05/05/03	124.15	116.63	7.52	350	18	1.7	22	10	620
08/28/03 <sup>S</sup>	124.15	115.25	8.90	59	3	<0.5	4	7	470
11/26/03 <sup>S</sup>	124.15	114.49	9.66	190	14	0.5	15	20	640
02/25/04 <sup>S</sup>	124.15	116.54	7.61	<50	0.9	<0.5	4	<0.5	140
05/22/04 <sup>S</sup>	124.15	115.93	8.22	640	90	3	56	73	860
08/20/04 <sup>S</sup>	124.15	114.50	9.65	<50	<0.5	<0.5	<0.5	<0.5	340

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0338  
5500 Telegraph Avenue  
Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
<b>TRIP BLANK</b>									
05/27/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/02/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/27/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/11/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/10/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/27/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
11/21/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
02/05/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
05/07/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
08/06/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
<b>QA</b>									
11/12/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/11/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
08/09/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
11/07/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
02/04/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
05/05/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5
08/28/03 <sup>s</sup>	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/03 <sup>s</sup>	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/04 <sup>s</sup>	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/22/04 <sup>s</sup>	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/20/04 <sup>s</sup>	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0338  
5500 Telegraph Avenue  
Oakland, California

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**EXPLANATIONS:**

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

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

- <sup>1</sup> Laboratory report indicates gasoline C6-C12.
- <sup>2</sup> Confirmation run.
- <sup>3</sup> MTBE by EPA Method 8260.
- <sup>4</sup> Total Petroleum Hydrocarbons as Diesel (TPH-D) was less than the reporting limit.
- <sup>5</sup> BTEX and MTBE by EPA Method 8260.

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Chevron Service Station #9-0338  
5500 Telegraph Avenue  
Oakland, California

WELL ID	DATE	ETHANOL (pph)	TBA (pph)	MTBE (pph)	DIPE (pph)	ETBE (pph)	TAME (pph)
C-1A	02/11/02	--	<100	4	<2	<2	<2
	08/28/03	<50	--	7	--	--	--
	11/26/03	<50	--	11	--	--	--
	02/25/04	<50	--	3	--	--	--
	05/22/04	<50	--	6	--	--	--
	08/20/04	<50	<5	4	<0.5	<0.5	<0.5
C-2A	02/11/02	--	<100	<2	<2	<2	<2
	08/28/03	<50	--	1	--	--	--
	11/26/03	<50	--	3	--	--	--
	02/25/04	<50	--	0.5	--	--	--
	05/22/04	<50	--	2	--	--	--
	08/20/04	<50	<5	<0.5	<0.5	<0.5	<0.5
C-4	02/11/02	--	<100	62	<2	<2	<2
	08/28/03	<50	--	<0.5	--	--	--
	11/26/03	<50	--	<0.5	--	--	--
	02/25/04	<50	--	16	--	--	--
	05/22/04	<50	--	1	--	--	--
	08/20/04	<50	<5	<0.5	<0.5	<0.5	<0.5
C-5	02/11/02	--	<100	140	<2	<2	<2
	08/28/03	<50	--	470	--	--	--
	11/26/03	<50	--	640	--	--	--
	02/25/04	<50	--	140	--	--	--
	05/22/04	<50	--	860	--	--	--
	08/20/04	<50	<5	340	<0.5	<0.5	2

**Table 2**  
**Groundwater Analytical Results - Oxygenate Compounds**  
Chevron Service Station #9-0338  
5500 Telegraph Avenue  
Oakland, California

---

**EXPLANATIONS:**

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

**ANALYTICAL METHOD:**

EPA Method 8260 for Oxygenate Compounds

**Table 3**  
**Groundwater Analytical Results**  
 Chevron Service Station #9-0338  
 5500 Telegraph Avenue  
 Oakland, California

WELL ID	DATE	Cadmium (ppb)	Chromium (ppb)	Lead (ppb)	Nickel (ppb)	Zinc (ppb)	TOG (ppb)	HVOCs (ppb)
C-4	02/11/02	<10.0	80.5	16.7	126	143	<320	<0.20-<0.50

**EXPLANATIONS:**

TOG = Total Oil and Grease

HVOCs = Halogenated Volatile Organic Compounds

(ppb) = Parts per billion

Note: All HVOCs were not detected (ND) unless otherwise noted.

## 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, 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. 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 ChevronTexaco Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0338  
 Site Address: 5500 Telegraph Avenue  
 City: Oakland, CA

Job Number: 386456  
 Event Date: 8-20-04 (inclusive)  
 Sampler: Sox

Well ID: C-1A  
 Well Diameter: 2 in.  
 Total Depth: 19.44 ft.  
 Depth to Water: 9.21 ft.  
10.23

Date Monitored: 8-20-04 Well Condition: O.K.

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

xVF 0.17 = 1.74 x3 case volume= Estimated Purge Volume: 5.5 gal.

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

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

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1230 Weather Conditions: Clear  
 Sample Time/Date: 1255 8-20-04 Water Color: Clear Odor: none  
 Purging Flow Rate: 0.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1237</u>	<u>1.5</u>	<u>7.90</u>	<u>2.41</u>	<u>65.2</u>		
<u>1241</u>	<u>3</u>	<u>7.58</u>	<u>2.46</u>	<u>65.1</u>		
<u>1245</u>	<u>5.5</u>	<u>7.62</u>	<u>2.51</u>	<u>64.9</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-1A</u>	<u>6</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>

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

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0338 Job Number: 386456  
 Site Address: 5500 Telegraph Avenue Event Date: 8-20-04 (inclusive)  
 City: Oakland, CA Sampler: See

Well ID: C-2A Date Monitored: 8.20-04 Well Condition: O.K.  
 Well Diameter: 2 in.  
 Total Depth: 20.22 ft.  
 Depth to Water: 10.98 ft.  
9.24 xVF 0.17 = 1.57 x3 case volume = Estimated Purge Volume: 5 gal.

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

**Purge Equipment:**

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

**Sampling Equipment:**

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

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_

**Skimmer / Absorbant Sock (circle one)**

Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1156 Weather Conditions: clear  
 Sample Time/Date: 22018-20-04 Water Color: clear Odor: none  
 Purging Flow Rate: 0.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm) x <sup>100</sup>	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1204</u>	<u>1.5</u>	<u>7.27</u>	<u>4.53</u>	<u>64.4</u>	_____	_____
<u>1208</u>	<u>3</u>	<u>7.30</u>	<u>4.42</u>	<u>64.7</u>	_____	_____
<u>1212</u>	<u>5</u>	<u>7.31</u>	<u>4.38</u>	<u>64.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

**LABORATORY INFORMATION**

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-2A</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

**COMMENTS:**

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug:  Size: 2"



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0338  
 Site Address: 5500 Telegraph Avenue  
 City: Oakland, CA

Job Number: 386456  
 Event Date: 8-20-04 (inclusive)  
 Sampler: Joe

Well ID: C-4 Date Monitored: 8-20-04 Well Condition: O.K.

Well Diameter: 2 in.  
 Total Depth: 19.46 ft.  
 Depth to Water: 12.04 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

7.42 xVF 0.17 = 1.26 x3 case volume= Estimated Purge Volume: 4 gal.

### Purge Equipment:

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

### Sampling Equipment:

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

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_

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

Start Time (purge): 1115 Weather Conditions: clear  
 Sample Time/Date: 1145 18-20-04 Water Color: clear Odor: none  
 Purging Flow Rate: 0.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm) <sup>x100</sup>	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1125</u>	<u>1</u>	<u>7.36</u>	<u>4.97</u>	<u>65.5</u>	_____	_____
<u>1129</u>	<u>25</u>	<u>7.35</u>	<u>5.15</u>	<u>65.2</u>	_____	_____
<u>1133</u>	<u>4</u>	<u>7.34</u>	<u>5.12</u>	<u>65.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-4</u>	<u>6</u> x vva vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### COMMENTS:

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

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





# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0338 Job Number: 386456  
 Site Address: 5500 Telegraph Avenue Event Date: 8-20-04 (inclusive)  
 City: Oakland, CA Sampler: Joc

Well ID: C-5 Date Monitored: 8-20-04 Well Condition: O.K.  
 Well Diameter: 2 in.  
 Total Depth: 20.16 ft.  
 Depth to Water: 9.65 ft.  
10.51 xVF 0.17 = 1.79 x3 case volume = Estimated Purge Volume: 5.5 gal.

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

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

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

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1303 Weather Conditions: Clear  
 Sample Time/Date: 1330 8-20-04 Water Color: clear Odor: Some  
 Purging Flow Rate: 0.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm) x <sup>100</sup>	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1312</u>	<u>1.5</u>	<u>7.66</u>	<u>4.99</u>	<u>64.2</u>	_____	_____
<u>1316</u>	<u>3</u>	<u>7.60</u>	<u>5.01</u>	<u>64.3</u>	_____	_____
<u>1320</u>	<u>5.5</u>	<u>7.59</u>	<u>5.05</u>	<u>64.7</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-5</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 5 OXYS+ETHANOL(8260)</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

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

# Chevron California Region Analysis Request/Chain of Custody



082304-09

For Lancaster Laboratories use only  
 Sample #: 4338137-38      Acct. #: 10904      Group # 909281  
 SCR#:

Cambria MTI Project #: 61D-1957

**Analyses Requested**

Facility #: <u>SS#9-0338 G-R#386456 Global ID#T0600100347</u> Site Address: <u>5500 TELEGRAPH AVENUE, OAKLAND, CA</u> Chevron PM: <u>MTI</u> Lead Consultant: <u>CAMBRIA</u> Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568</u> Consultant Prj. Mgr.: <u>Deanna L. Harding (deanna@grinc.com)</u> Consultant Phone #: <u>925-551-7555</u> Fax #: <u>925-551-7899</u> Sampler: _____ Service Order #: _____ <input type="checkbox"/> Non SAR: _____			Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Air		Preservation Codes H H      H BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/> TPH 8015 MOD GRO <input type="checkbox"/> Silica Gel Cleanup TPH 8015 MOD DRO <input type="checkbox"/> 8260 full scan <u>S</u> Oxygenates + Ethanol (P60) Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>										Preservative Codes H = HCl      T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other <input type="checkbox"/> J value reporting needed <input checked="" type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy s on highest hit <input type="checkbox"/> Run ___ oxy s on all hits		
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates + Ethanol (P60)	Lead 7420	7421	Comments / Remarks
<u>QA</u>	—	—	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
<u>C-1A</u>	<u>8-20-04</u>	<u>1255</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
<u>C-2A</u>	↓	<u>1220</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
<u>C-4</u>	↓	<u>1145</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
<u>C-5</u>	↓	<u>1330</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			

Turnaround Time Requested (TAT) (please circle) <input checked="" type="radio"/> STD. TAT      72 hour      48 hour <input type="radio"/> 24 hour      4 day      5 day		Relinquished by: <u>[Signature]</u> Date: <u>8-20-04</u> Time: <u>1430</u>		Received by: _____      Date: _____      Time: _____	
Data Package Options (please circle if required) QC Summary      Type I — Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed <b>EDF/EDD</b> WIP (RWQCB) Disk		Relinquished by: <u>[Signature]</u> Date: <u>8/24/04</u> Time: <u>1145</u>		Received by: <u>[Signature]</u> Date: <u>8/24/04</u> Time: <u>1145</u>	
		Relinquished by Commercial Carrier: _____      Date: _____      Time: _____		Received by: <u>[Signature]</u> Date: <u>8/24/04</u> Time: _____	
		UPS      FedEx      Other _____		Received by: <u>[Signature]</u> Date: _____      Time: _____	
		Temperature Upon Receipt: <u>25.1°C</u>		Custody Seals Intact?      Yes      No	

**ANALYTICAL RESULTS**

Prepared for:

ChevronTexaco c/o Cambria  
Suite 9  
4111 Citrus Avenue  
Rocklin CA 95677  
916-630-1855

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425**SAMPLE GROUP**

The sample group for this submittal is 909281. Samples arrived at the laboratory on Wednesday, August 25, 2004. The PO# for this group is 99011184 and the release number is MTI.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-040820	NA Water	4338134
C-1A-W-040820	Grab Water	4338135
C-2A-W-040820	Grab Water	4338136
C-4-W-040820	Grab Water	4338137
C-5-W-040820	Grab Water	4338138

1 COPY TO  
ELECTRONIC  
COPY TO

Cambria C/O Gettler- Ryan  
Gettler-Ryan

Attn: Deanna L. Harding  
Attn: Cheryl Hansen



## **Analysis Report**

2425 New Holland Fike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax 717-656-2661 • www.lancasterlabs.com

Questions? Contact your Client Services Representative  
Megan A Moeller at (717) 656-2300.

Respectfully Submitted,

A handwritten signature in cursive script that reads "Tina L. Thoman".

**Tina L. Thoman**  
**Senior Chemist, Coordinator**

Lancaster Laboratories Sample No. WW 4338134

 QA-T-040820 NA Water  
 Facility# 90338 Job# 386456 MTI#61D-1957 GRD  
 5500 Telegraph-Oakland T0600100347 QA  
 Collected: 08/20/2004

Account Number: 10904

 Submitted: 08/25/2004 09:00  
 Reported: 08/31/2004 at 13:59  
 Discard: 10/01/2004

 ChevronTexaco c/o Cambria  
 Suite 9  
 4111 Citrus Avenue  
 Rocklin CA 95677

## TELQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/27/2004 06:09	Linda C Pape	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	08/28/2004 17:06	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/27/2004 06:09	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/28/2004 17:06	Anita M Dale	n.a.



# Analysis Report

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

Page 1 of 1

Lancaster Laboratories Sample No. WW 4338135

C-1A-W-040820 Grab Water  
Facility# 90338 Job# 386456 MTI#61D-1957 GRD  
5500 Telegraph-Oakland T0600100347 C-1A  
Collected:08/20/2004 12:55

Account Number: 10904

Submitted: 08/25/2004 09:00  
Reported: 08/31/2004 at 13:59  
Discard: 10/01/2004

ChevronTexaco c/o Cambria  
Suite 9  
4111 Citrus Avenue  
Rocklin CA 95677

TEC1A

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01728	TPH-GRO - Waters	n.a.	700.	Detection Limit 50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	4.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	17.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/27/2004 07:10	Linda C Pape	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260E	1	08/28/2004 15:35	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030E	1	08/27/2004 07:10	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030E	1	08/28/2004 15:35	Anita M Dale	n.a.



# Analysis Report

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Lancaster Laboratories Sample No. WW 4338136

C-2A-W-040820 Grab Water  
 Facility# 90338 Job# 386456 MTI#61D-1957 GRD  
 5500 Telegraph-Oakland T0600100347 C-2A  
 Collected: 08/20/2004 12:20

Account Number: 10904

Submitted: 08/25/2004 09:00  
 Reported: 08/31/2004 at 13:59  
 Discard: 10/01/2004

ChevronTexaco c/o Cambria  
 Suite 9  
 4111 Citrus Avenue  
 Rocklin CA 95677

TEC2A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/27/2004 07:40	Linda C Pape	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	08/28/2004 16:01	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/27/2004 07:40	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/28/2004 16:01	Anita M Dale	n.a.



# Analysis Report

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Lancaster Laboratories Sample No. WW 4338137

C-4-W-040820 Grab Water  
Facility# 90338 Job# 386456 MTI#61D-1957 GRD  
5500 Telegraph-Oakland T0600100347 C-4  
Collected:08/20/2004 11:45

Account Number: 10904

Submitted: 08/25/2004 09:00  
Reported: 08/31/2004 at 13:59  
Discard: 10/01/2004

ChevronTexaco c/o Cambria  
Suite 9  
4111 Citrus Avenue  
Rocklin CA 95677

TELC4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	N.D.	Detection Limit 50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	08/27/2004 08:11	Linda C Pape	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	08/28/2004 16:27	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030E	1	08/27/2004 08:11	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030E	1	08/28/2004 16:27	Anita M Dale	n.a.



**Lancaster Laboratories Sample No. WW 4338138**
**C-5-W-040820**                      **Grab**                      **Water**  
**Facility# 90338**    **Job# 386456**    **MTI#61D-1957**    **GRD**  
**5500 Telegraph-Oakland**    **T0600100347**    **C-5**  
**Collected: 08/20/2004 13:30**

Account Number: 10904

 ChevronTexaco c/o Cambria  
 Suite 9  
 4111 Citrus Avenue  
 Rocklin CA 95677

 Submitted: 08/25/2004 09:00  
 Reported: 08/31/2004 at 13:59  
 Discard: 10/01/2004

**TELC5**

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method Detection Limit		
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06059	BTEX+5 Oxygenates+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	340.	5.	ug/l	10
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	2.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

**Laboratory Chronicle**

CAT No.	Analysis Name	Method	Trial#	Analysis	Analyst	Dilution Factor
				Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	08/27/2004 08:41	Linda C Pape	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	08/28/2004 16:54	Anita M Dale	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	08/28/2004 17:19	Anita M Dale	10
01146	GC VOA Water Prep	SW-846 5030B	1	08/27/2004 08:41	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/28/2004 16:54	Anita M Dale	n.a.

## Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria  
 Reported: 08/31/04 at 01:59 PM

Group Number: 909281

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04240A16A TPH-GRO - Waters	Sample number(s): 4338134-4338138							
	N.D.	50.	ug/l	95	87	70-130	9	30
Batch number: Z042411AA	Sample number(s): 4338134							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	88		77-127		
Benzene	N.D.	0.5	ug/l	92		85-117		
Toluene	N.D.	0.5	ug/l	92		85-115		
Ethylbenzene	N.D.	0.5	ug/l	93		82-119		
Xylene (Total)	N.D.	0.5	ug/l	91		83-113		
Batch number: Z042412AA	Sample number(s): 4338135-4338138							
Ethanol	N.D.	50.	ug/l	93		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	91		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	91		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	89		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	81		57-141		
Benzene	N.D.	0.5	ug/l	93		85-117		
Toluene	N.D.	0.5	ug/l	94		85-115		
Ethylbenzene	N.D.	0.5	ug/l	94		82-119		
Xylene (Total)	N.D.	0.5	ug/l	93		83-113		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04240A16A TPH-GRO - Waters	Sample number(s): 4338134-4338138								
	113		63-154						
Batch number: Z042411AA	Sample number(s): 4338134								
Methyl Tertiary Butyl Ether	90	89	69-134	2	30				
Benzene	94	95	83-128	2	30				
Toluene	97	97	83-127	0	30				
Ethylbenzene	96	97	82-129	2	30				
Xylene (Total)	95	95	82-130	1	30				
Batch number: Z042412AA	Sample number(s): 4338135-4338138								
Ethanol	89	89	33-153	0	30				
Methyl Tertiary Butyl Ether	90	89	69-134	1	30				
di-Isopropyl ether	89	89	75-130	0	30				
Ethyl t-butyl ether	90	89	78-119	1	30				

\*. Outside of specification

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

## Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria  
 Reported: 08/31/04 at 01:59 PM

Group Number: 909281

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
t-Amyl methyl ether	86	86	77-117	0	30				
t-Butyl alcohol	79	76	51-147	3	30				
Benzene	94	94	83-128	1	30				
Toluene	93	94	83-127	1	30				
Ethylbenzene	94	94	82-129	0	30				
Xylene (Total)	92	92	82-130	0	30				

### Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters  
 Batch number: 04240A16A  
 Trifluorotoluene-F

4338134	110
4338135	123
4338136	110
4338137	111
4338138	110
Blank	110
LCS	112
LCS D	115
MS	111

Limits: 57-146

 Analysis Name: BTEX+MTBE by 8260B  
 Batch number: Z042411AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4338134	95	98	94	92
Blank	95	98	95	91
LCS	95	97	95	96
MS	94	99	95	94
MSD	94	97	94	95

Limits: 81-120

82-112

85-112

83-113

 Analysis Name: BTEX+5 Oxygenates+ETOH  
 Batch number: Z042412AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4338135	101	104	97	100
4338136	102	102	98	95
4338137	103	104	98	95
4338138	104	104	96	93
Blank	102	103	98	95
LCS	100	103	96	98
MS	100	104	96	97
MSD	100	103	96	99

Limits: 81-120

82-112

85-112

83-113

#### \*- Outside of specification

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

## Quality Control Summary

Client Name: ChevronTexaco c/o Cambria  
Reported: 08/31/04 at 01:59 PM

Group Number: 909281

### Surrogate Quality Control

\*- Outside of specification

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

# Explanation of Symbols and Abbreviations

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

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

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>$ 25%	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<$ 0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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

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

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