

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

RO 124

February 4, 2003

ChevronTexaco

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

Alameda County
FEB 06 2004
Environmental Health

Re: Chevron Service Station # 9-9708

Address: 5910 MacArthur Boulevard, Oakland, California

January 20, 2004

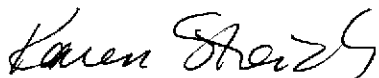
I have reviewed the attached routine groundwater monitoring report dated _____

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

January 20, 2004

G-R #386395

TO: Ms. Kristene Wilder
Cambria Environmental Technology, Inc.
4111 Citrus Avenue, Unit #9
Rocklin, CA 95677

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

RE: **Chevron Service Station**
#9-9708
5910 MacArthur Boulevard
Oakland, California

Alameda County
FEB 06 2004
Environmental Health

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	January 16, 2004	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 15, 2003

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **February 3, 2004**, at which time the final report will be distributed to the following:

cc: Mr. Don Hwang, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Nisson Saidion, 5910 MacArthur Boulevard, Oakland, CA 94605

Enclosures

trans/9-9708-KS



GETTLER - RYAN INC.

January 16, 2004
G-R Job #386395

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

RE: Fourth Quarter Event of December 15, 2003
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

Dear Ms. Streich:

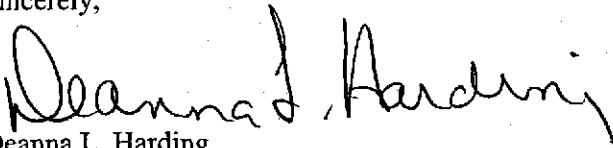
This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

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

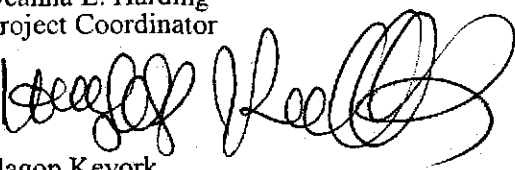
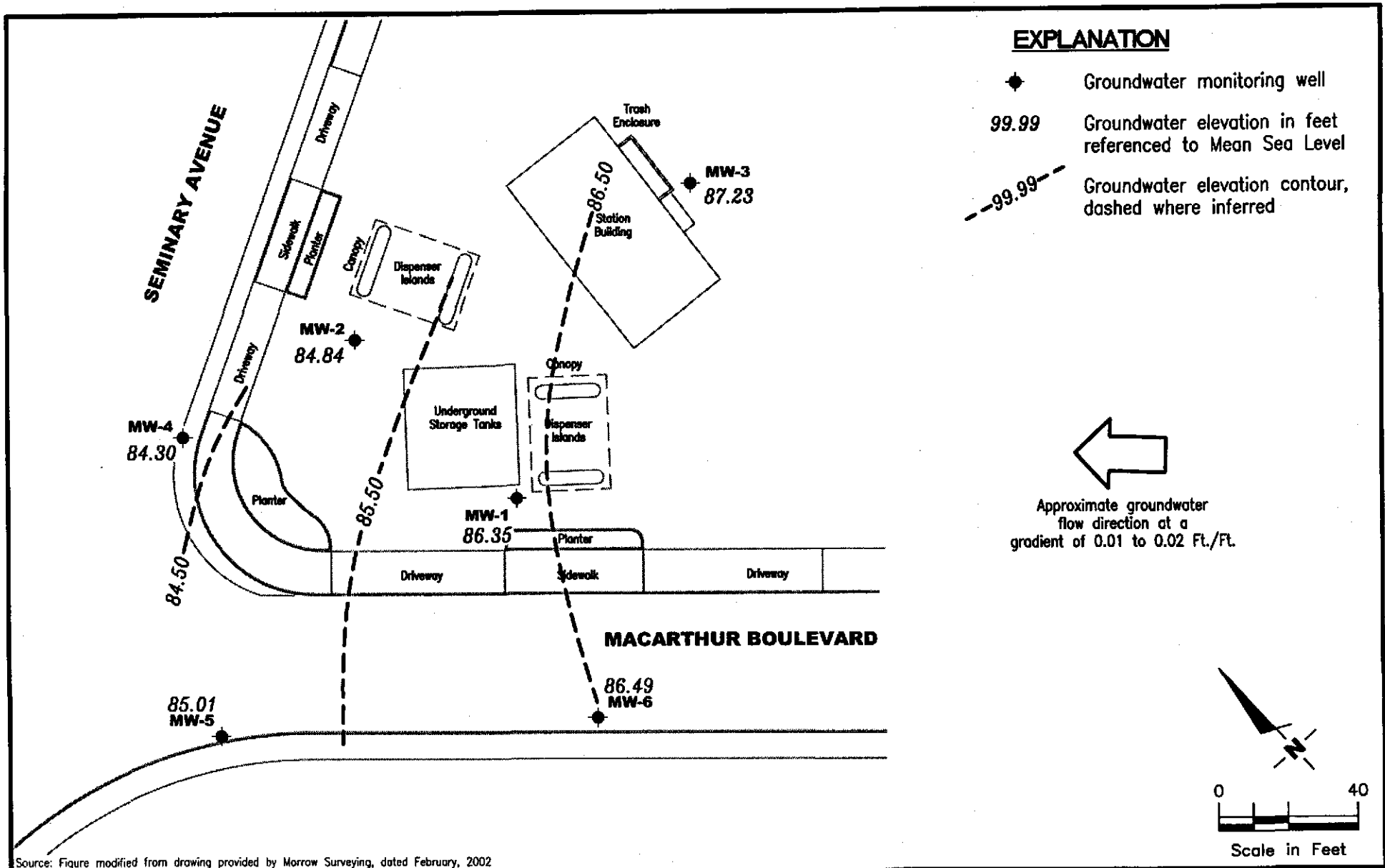

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P.E. No. C55734



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



Source: Figure modified from drawing provided by Morrow Surveying, dated February, 2002



GETTLER - RYAN INC.

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

POTENTIOMETRIC MAP
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

FIGURE

1

PROJECT NUMBER
386395

REVIEWED BY

DATE
December 15, 2003

REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\9-9708\Q03-9-9708.DWG | Layout Tab: Pot4

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
MW-1													
05/29/97	96.61	84.41	12.20	--	--	--	--	--	--	--	--	--	--
06/04/97	96.61	84.40	12.21	--	380	58	1.2	5.4	40	85	--	--	--
09/16/97	96.61	83.84	12.77	--	420	120	<0.5	19	2.7	28	--	--	--
12/17/97	96.61	85.43	11.18	--	210 ¹	43	0.61	11	0.61	69	--	--	--
03/18/98	96.61	84.59	12.02	--	210 ¹	47	<0.5	8.2	<0.5	92	--	--	--
06/28/98	96.61	83.99	12.62	--	<50	<0.5	<0.5	<0.5	<0.5	66	--	--	--
09/07/98	96.61	82.32	14.29	--	<50	6.7	<0.5	<0.5	<0.5	92	--	--	--
12/29/98	96.61	83.18	13.43	--	<100	<1.0	<1.0	2.24	1.14	278	--	--	--
03/11/99	96.61	83.80	12.81	--	110	<1.0	<1.0	7.95	<1.0	418	--	--	--
05/04/99	96.61	83.85	12.76	--	--	--	--	--	--	--	--	--	--
06/29/99	96.61	84.06	12.55	--	352	34.6	<2.5	51	<2.5	780	--	--	--
09/29/99	96.61	83.21	13.40	--	647	167	<2.5	58.6	14.8	1,570	--	--	--
12/08/99	96.61	85.70	10.91	--	481	121	1.16	17.9	11	3,910	--	--	--
03/01/00	96.61	85.46	11.15	--	2,580	481	6.84	86.6	41.9	5,460	--	--	--
06/23/00	96.61	83.68	12.93	--	900 ⁴	120	<5.0	22	6.7	5,400	--	--	--
09/30/00	96.61	83.07	13.54	--	1,300 ⁴	450	5.5	170	11	2,000	--	--	--
12/08/00	96.61	83.63	12.98	--	<1,000	41.7	<10.0	11.5	<10.0	6,030	--	--	--
03/01/01	96.61	84.94	11.67	--	340 ⁷	36.6	<0.500	10.1	<0.500	3,360	--	--	--
06/19/01	96.61	83.94	12.67	--	610 ⁴	110	<5.0	9.2	<5.0	110	--	--	--
09/18/01	96.61	83.48	13.13	--	200	32	0.55	3.0	<1.5	1,600	--	--	--
12/26/01	96.61	85.14	11.47	--	140	9.1	<0.50	1.2	<1.5	1,900	--	--	--
03/06/02	97.52	86.38	11.14	--	93	7.0	<0.50	0.72	<1.5	1,000	--	--	--
06/21/02	97.52	84.92	12.60	--	93	8.2	<0.50	1.2	<1.5	1,300	--	--	--
09/27/02	97.52	84.38	13.14	--	78	1.5	<0.50	<0.50	<1.5	1,200	--	--	--
12/26/02	97.52	87.74	9.78	--	86	1.7	<0.50	<0.50	<1.5	600	--	--	--
03/28/03	97.52	85.96	11.56	--	190	24	<0.50	2.4	<1.5	1,200	--	--	--
06/16/03 ¹¹	97.52	85.96	11.56	--	<50	3	<0.5	<0.5	<0.5	220	--	--	--
09/15/03 ^{11,12}	97.52	85.21	12.31	--	53	3	<0.5	<0.5	<0.5	580	--	--	--
12/15/03 ^{11,12}	97.52	86.35	11.17	--	<50	<0.5	0.7	<0.5	0.8	410	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-2													
05/29/97	96.91	83.85	13.06	--	--	--	--	--	--	--	--	--	--
06/04/97	96.91	83.96	12.95	--	1,600	120	5.9	32	15	2,100	--	--	--
09/16/97	96.91	83.92	12.99	--	1,100	23	3.2	7.0	2.5	1,200	--	--	--
12/17/97	96.91	84.73	12.18	--	7,100 ¹	650	69	610	69	4,700/2,600 ²	--	--	--
03/18/98	96.91	84.21	12.70	--	5,900 ¹	250	<50	98	<50	12,000/7,100 ²	--	--	--
06/28/98	96.91	83.98	12.93	--	4,300	400	<10	<10	<10	3,000/4,000 ²	--	--	--
09/07/98	96.91	83.94	12.97	--	3,700	220	5.1	38	7.6	1,300/1,400 ²	--	--	--
12/29/98	96.91	83.99	12.92	--	6,500	573	26.8	131	33.9	2,660	--	--	--
03/11/99	96.91	84.04	12.87	--	4,970	651	30.8	60.3	<5.0	2,600	--	--	--
05/04/99	96.91	84.05	12.86	--	--	--	--	--	--	--	--	--	--
06/29/99	96.91	83.98	12.93	--	2,030	238	11.6	8.98	<5.0	540	--	--	--
09/29/99	96.91	84.02	12.89	--	2,000	320	10.4	16.5	20.3	642	--	--	--
12/08/99	96.91	86.18	10.73	--	96.8	2.74	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	96.91	84.31	12.60	--	<50	6.92	<0.5	<0.5	<0.5	254	--	--	--
06/23/00	96.91	83.98	12.93	--	1,700 ⁴	490	7.5	<5.0	7.7	770	--	--	--
09/30/00	96.91	83.95	12.96	--	2,000 ⁴	420	14	<10	<10	380	--	--	--
12/08/00	96.91	83.98	12.93	--	984	54.9	<2.50	4.15	<2.50	306	--	--	--
03/01/01	96.91	84.15	12.76	--	<50.0	4.16	<0.500	<0.500	<0.500	245	--	--	--
06/19/01	96.91	83.23	13.68	--	1,700 ⁴	250	9.2	<5.0	6.9	410	--	--	--
09/18/01	96.91	83.96	12.95	--	1,700	42	1.9	2.0	2.9	280	--	--	--
12/26/01	96.91	83.88	13.03	--	<50	0.50	<0.50	<0.50	<1.5	120	--	--	--
03/06/02	97.81	84.82	12.99	--	670	170	2.5	<0.50	<1.5	410	--	--	--
06/21/02	97.81	84.10	13.71	--	1,800	120	7.3	2.0	3.1	440	--	--	--
09/27/02	97.81	82.51	15.30	--	180	11	1.0	<0.50	<1.5	4,700	--	--	--
12/26/02	97.81	84.81	13.00	--	<50	<0.50	<0.50	<0.50	<1.5	160	--	--	--
03/28/03	97.81	84.46	13.35	--	580	88	2.2	22	12	280	--	--	--
06/16/03 ¹¹	97.81	83.10	14.71	--	200	1	29	<0.5	<0.5	1,400	--	--	--
09/15/03 ^{11,13}	97.81	82.78	15.03	--	130	<1	<1	<1	<1	2,400	--	--	--
12/15/03 ^{11,12}	97.81	84.84	12.97	--	<50	<0.5	<0.5	<0.5	<0.5	63	--	--	--

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Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB◆ (ppb)	1,2-DCA◆ (ppb)	HVOCs◆ (ppb)
MW-3													
05/29/97	97.86	86.41	11.45	--	--	--	--	--	--	--	--	--	--
06/04/97 ³	97.86	86.58	11.28	1200	<50	<0.5	<0.5	<0.5	<0.5	<5.0	ND	1.0	--
09/16/97	97.86	85.67	12.19	2,700 ¹	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
12/17/97	97.86	87.06	10.80	1,200 ¹	<50	0.9	0.53	<0.5	<0.5	<2.5	--	--	--
03/18/98	97.86	86.98	10.88	820 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/28/98	97.86	86.26	11.60	1,100 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.99	ND	<0.5-<5.0
09/07/98	97.86	85.64	12.22	1,100 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.79	0.54	--
12/29/98	97.86	86.06	11.80	1,760 ¹	185	<0.5	<0.5	<0.5	0.669	<2.0	1.04	0.578	<0.5-<5.0
03/11/99	97.86	86.83	11.03	1440	<50	<0.5	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0-<2.0
05/04/99	97.86	86.43	11.43	--	--	--	--	--	--	--	--	--	--
06/29/99	97.86	85.71	12.15	690 ¹	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.754	<0.5	<0.5-<5.0
09/29/99	97.86	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
12/08/99	97.86	88.43	9.43	1,000 ¹	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	0.66	<0.5-<5.0
03/01/00	97.86	87.16	10.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.821	0.984	<0.5-<5.0
06/23/00	97.86	85.96	11.90	2,600 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<2.0	<2.0	<0.5-<2.0
09/30/00	97.86	85.45	12.41	1,100 ⁵	<50	<0.50	0.61	<0.50	0.82	2.7	<2.0	<2.0	<0.50-<2.0
12/08/00	97.86	85.78	12.08	870 ⁵	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	<2.0	<0.50-<10
03/01/01	97.86	87.09	10.77	1,060 ⁶	60.9 ⁷	<0.500	<0.500	<0.500	<0.500	<2.50	0.545	0.528	<0.500-<5.00
06/19/01	97.86	85.87	11.99	120 ⁵	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.2	<1.6	<0.50-<2.0
09/18/01	97.86	85.19	12.67	4,800	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ^B	<2 ^R	<1-<2 ^R
12/26/01	97.86	86.92	10.94	5,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ^B	<2 ^R	<1-<2.0 ^R
03/06/02	98.78	87.20	11.58	30,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ^B	<2 ^R	<1-<2.0 ^R
06/21/02	98.78	86.23	12.55	3,800 ¹⁰	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ^B	<2 ^R	<1-<2.0 ^R
09/27/02	98.78	85.93	12.85	2,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ^B	<2 ^R	<1-<2.0 ^R
12/26/02	98.78	87.87	10.91	3,600	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ^B	<2 ^R	<1-<2.0 ^R
03/28/03	98.78	86.77	12.01	2,100	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1 ^B	<1 ^R	<0.8-<2 ^R
06/16/03 ¹¹	98.78	86.79	11.99	2,400	<50	<0.5	<0.5	<0.5	<1	<0.5	<1 ^B	0.8 ^R	<0.5-<2 ^R
09/15/03 ^{11,12}	98.78	86.07	12.71	4,300	<50	<0.5	<0.5	<0.5	<1	<0.5	<1 ^B	0.8 ^R	<0.8-<2 ^R
12/15/03 ^{11,12}	98.78	87.23	11.55	3,200	<50	<0.5	0.7	<0.5	0.7	<0.5	<1 ^B	0.8 ^R	<0.8-<2 ^R

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-4													
05/04/99	96.25	83.66	12.59	--	140	<0.5	0.62	0.67	2.6	<2.5	--	--	--
06/29/99	96.25	83.64	12.61	--	183	<0.5	<0.5	1.1	<0.5	<5.0	--	--	--
09/29/99	96.25	83.70	12.55	--	64.3	<0.5	<0.5	<0.5	1.18	<2.5	--	--	--
12/08/99	96.25	83.81	12.44	--	91.2	0.589	<0.5	0.52	<0.5	86	--	--	--
03/01/00	96.25	84.55	11.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/23/00	96.25	84.12	12.13	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	96.25	84.30	11.95	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	96.25	83.85	12.40	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	96.25	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/19/01	96.25	82.83	13.42	--	210 ⁷	7.6	1.4	<0.50	<0.50	10	--	--	--
09/18/01	96.25	83.17	13.08	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
12/26/01	96.25	83.36	12.89	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/06/02	97.14	84.06	13.08	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
06/21/02	97.14	83.63	13.51	--	<50	<0.50	12	<0.50	<1.5	<2.5	--	--	--
09/27/02	97.14	83.47	13.67	--	110	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
12/26/02	97.14	84.12	13.02	--	<50	<0.50	2.6	<0.50	<1.5	<2.5	--	--	--
03/28/03	97.14	83.71	13.43	--	<50	<0.50	<0.50	<0.50	<1.5	18	--	--	--
06/16/03 ¹¹	97.14	83.10	14.04	--	250	<0.5	31	<0.5	<0.5	<0.5	--	--	--
09/15/03 ^{11,12}	97.14	82.93	14.21	--	220	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--
12/15/03 ^{11,12}	97.14	84.30	12.84	--	310	<0.5	21	<0.5	1	<0.5	--	--	--
MW-5													
03/06/02 ⁹	95.71	84.31	11.40	--	4,900	18	2.7	29	9.8	290	--	--	--
06/21/02	95.71	83.29	12.42	--	1,400	3.6	1.4	<0.50	1.6	190	--	--	--
09/27/02	95.71	83.00	12.71	--	540	1.3	<0.50	<0.50	<1.5	190	--	--	--
12/26/02	95.71	85.55	10.16	--	2,600	5.0	0.86	3.6	3.7	170	--	--	--
03/28/03	95.71	84.25	11.46	--	920	3.8	<0.50	2.1	1.7	160	--	--	--
06/16/03 ¹¹	95.71	83.92	11.79	--	600	3	0.9	0.7	0.9	150	--	--	--
09/15/03 ^{11,12}	95.71	83.28	12.43	--	760	<0.5	<0.5	<0.5	<0.5	180	--	--	--
12/15/03 ^{11,12}	95.71	85.01	10.70	--	1,200	0.7	0.5	0.6	0.8	120	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
 Chevron Service Station #9-9708
 5910 MacArthur Boulevard
 Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOC♦♦ (ppb)
MW-6													
03/06/02 ⁹	95.84	85.67	10.17	--	220	<0.50	<0.50	<0.50	<1.5	53	--	--	--
06/21/02	95.84	84.86	10.98	--	<50	<0.50	<0.50	<0.50	<1.5	15	--	--	--
09/27/02	95.84	84.61	11.23	--	<50	<0.50	<0.50	<0.50	<1.5	11	--	--	--
12/26/02	95.84	87.47	8.37	--	57	<0.50	<0.50	<0.50	<1.5	19	--	--	--
03/28/03	95.84	85.53	10.31	--	<50	<0.50	<0.50	<0.50	<1.5	11	--	--	--
06/16/03 ¹¹	95.84	85.50	10.34	--	<50	<0.5	0.6	<0.5	<0.5	5	--	--	--
09/15/03 ^{11,12}	95.84	84.84	11.00	--	<50	<0.5	<0.5	<0.5	<0.5	6	--	--	--
12/15/03 ^{11,12}	95.84	86.49	9.35	--	<50	<0.5	<0.5	<0.5	<0.5	4	--	--	--
TRIP BLANK													
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
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	--	--	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
05/04/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/08/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/23/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
06/19/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/18/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
QA													
12/26/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/06/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
06/21/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
09/27/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
12/26/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/28/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
06/16/03 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--
09/15/03 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--
12/15/03 ^{11,12}	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing	TPH-G = Total Petroleum Hydrocarbons as Gasoline	1,2-DCB = 1,2-Dichlorobenzene
(ft.) = Feet	B = Benzene	1,2-DCA = 1,2-Dichloroethane
GWE = Groundwater Elevation	T = Toluene	HVOCs = Halogenated Volatile Organic Compounds
(msl) = Mean sea level	E = Ethylbenzene	ND = Not Detected
DTW = Depth to Water	X = Xylenes	-- = Not Measured/Not Analyzed
TPH-D Total Petroleum Hydrocarbons as Diesel	MTBE = Methyl tertiary butyl ether	QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed in February 2002, by Morrow Surveying. Elevations are based on City of Oakland Benchmark; a standard city of Oakland disc stamped "SEC 50 STA F" set under a standard casting on the monument line of Camden Street and 72 feet westerly of the monument at Seminary and Camden, (Elevation = 90.63 feet).

◆ Analysis by EPA Method 8010.

1 Chromatogram pattern indicates an unidentified hydrocarbon.

2 Confirmation run.

3 Sample also analyzed for the following: Total Oil & Grease by EPA Method 5520F was ND; Semivolatile Organics by EPA Method 8270B were ND; Volatile Organics by EPA Method 8010B were ND.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates unidentified hydrocarbons >C16.

6 Laboratory report indicates unidentified hydrocarbons C9-C24.

7 Laboratory report indicates unidentified hydrocarbons C6-C12.

8 Volatile Organic Compounds (VOCs) by EPA Method 8260.

9 Well development performed.

10 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.

11 BTEX and MTBE by EPA Method 8260.

12 Ethanol by EPA Method 8260 was reported as <50 ppb.

13 Ethanol by EPA Method 8260 was reported as <130 ppb.

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 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.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 12.15.03 (inclusive)
 City: Oakland, CA Sampler: Tony C.

Well ID: MW-1 Date Monitored: 12.15.03 Well Condition: O.K.

Well Diameter: 2 in.
 Total Depth: 20.26 ft.
 Depth to Water: 11.17 ft.
9.09 xVF .17 = 1.54 x3 (case volume) = Estimated Purge Volume: 4 1/2 gal.

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

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1325 Weather Conditions: Partly Cloudy
 Sample Time/Date: 1340 / 12.15.03 Water Color: Light Brown Odor: Slight
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1328</u>	<u>1 1/2</u>	<u>6.96</u>	<u>864</u>	<u>70.0</u>	_____	_____
<u>1331</u>	<u>3.0</u>	<u>6.84</u>	<u>822</u>	<u>69.8</u>	_____	_____
<u>1334</u>	<u>4 1/2</u>	<u>6.80</u>	<u>824</u>	<u>69.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)
MW-	x amber	YES	NP	LANCASTER	TPH-D
MW-	x voa vial	YES	HCL	LANCASTER	HVOC's(8260)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708
 Site Address: 5910 Macarthur Blvd.
 City: Oakland, CA

Job Number: 386395
 Event Date: 12-15-03 (inclusive)
 Sampler: Tony C.

Well ID: MW-2
 Well Diameter: 2 in.
 Total Depth: 20.21 ft.
 Depth to Water: 12.97 ft.
7.24 xVF .17 = 1.23 x3 (case volume) = Estimated Purge Volume: 3 1/2 gal.

Date Monitored: 12-15-03 Well Condition: OK

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

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1353 Weather Conditions: PTLY. CLOUDY
 Sample Time/Date: 1410 / 12-15-03 Water Color: CLOUDY Odor: SLIGHT
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1350</u>	<u>1</u>	<u>6.89</u>	<u>990</u>	<u>70.9</u>	_____	_____
<u>1359</u>	<u>2</u>	<u>6.94</u>	<u>948</u>	<u>70.1</u>	_____	_____
<u>1402</u>	<u>3 1/2</u>	<u>6.98</u>	<u>954</u>	<u>70.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)
MW-	x amber	YES	NP	LANCASTER	TPH-D
MW-	x voa vial	YES	HCL	LANCASTER	HVOC's(8260)

COMMENTS:

Add/Replaced Lock: _____

Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708
 Site Address: 5910 Macarthur Blvd.
 City: Oakland, CA

Job Number: 386395
 Event Date: 12-15-03 (inclusive)
 Sampler: Tom C.

Well ID: MW-3 Date Monitored: 12-15-03 Well Condition: O.K.
 Well Diameter: 2 in.
 Total Depth: 20.13 ft.
 Depth to Water: 11.55 ft.
8.58 xVF .17 = 1.45 x3 (case volume) = Estimated Purge Volume: 4 1/2 gal.

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

Purge Equipment:
 Disposable Bailor
 Stainless Steel Bailor _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:
 Disposable Bailor
 Pressure Bailor _____
 Discrete Bailor _____
 Other: _____

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

Start Time (purge): 1244 Weather Conditions: Partly Cloudy
 Sample Time/Date: 1310 12-15-03 Water Color: Clear Odor: Yes
 Purging Flow Rate: _____ gpm. Sediment Description: Light Slime
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C)	D.O. (mg/L)	ORP (mV)
<u>1252</u>	<u>1 1/2</u>	<u>7.40</u>	<u>1240</u>	<u>70.6</u>		
<u>1250</u>	<u>3.0</u>	<u>7.26</u>	<u>1221</u>	<u>70.0</u>		
<u>1300</u>	<u>4 1/2</u>	<u>7.23</u>	<u>1220</u>	<u>70.0</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	<u>6</u> x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260) ETHANOL(8260)
MW-3	<u>2</u> x amber	YES	NP	LANCASTER	TPH-D
MW-3	<u>3</u> x vov vial	YES	HCL	LANCASTER	HVOC's(8260)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708
 Site Address: 5910 Macarthur Blvd.
 City: Oakland, CA

Job Number: 386395
 Event Date: 12-15-03 (inclusive)
 Sampler: Tenue

Well ID: MW-4 Date Monitored: 12-15-03 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.66 ft.
 Depth to Water: 12.84 ft.
6.82 xVF .17 = 1.15 x3 (case volume) = Estimated Purge Volume: 3 1/2 gal.

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

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1221 Weather Conditions: Partly Cloudy
 Sample Time/Date: 1238 / 12-15-03 Water Color: Light Brown Odor: NO
 Purging Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1224</u>	<u>1</u>	<u>7.16</u>	<u>1121</u>	<u>71.8</u>	_____	_____
<u>1227</u>	<u>2</u>	<u>7.04</u>	<u>1096</u>	<u>71.2</u>	_____	_____
<u>1230</u>	<u>3 1/2</u>	<u>7.00</u>	<u>1094</u>	<u>71.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>4</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTX+MTBE(8260)/ETHANOL(8260)
MW-	x amber	YES	NP	LANCASTER	TPH-D
MW-	x voa vial	YES	HCL	LANCASTER	HVOC's(8260)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 12-15-03 (inclusive)
 City: Oakland, CA Sampler: Tony C.

Well ID: MW-5 Date Monitored: 12-15-03 Well Condition: ok

Well Diameter: 2 in.
 Total Depth: 18.71 ft.
 Depth to Water: 10.70 ft.
8.01 xVF .17 = 1.36 x3 (case volume) = Estimated Purge Volume: 4 gal.

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

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Other: _____

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

Start Time (purge): 1141 Weather Conditions: Dry, Cloudy
 Sample Time/Date: 1158 / 12-15-03 Water Color: LT. BROWN Odor: SLIGHT
 Purging Flow Rate: — gpm. Sediment Description: _____
 Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>1144</u>	<u>1.2</u>	<u>7.28</u>	<u>980</u>	<u>70.9</u>	_____	_____
<u>1147</u>	<u>3.0</u>	<u>7.18</u>	<u>942</u>	<u>70.4</u>	_____	_____
<u>1150</u>	<u>4.0</u>	<u>7.21</u>	<u>940</u>	<u>70.3</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>5</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)
MW-	x amber	YES	NP	LANCASTER	TPH-D
MW-	x voa vial	YES	HCL	LANCASTER	HVOC's(8260)
_____	_____	_____	_____	_____	_____

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 12-15-03 (inclusive)
 City: Oakland, CA Sampler: Tony C.

Well ID: MW-6 Date Monitored: 12-15-03 Well Condition: o.k.
 Well Diameter: 2 in.
 Total Depth: 18.87 ft.
 Depth to Water: 9.35 ft.
9.57 x VF .17 = 1.61 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 Bailed: _____ (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
 Product Transferred to: _____

Start Time (purge): 1107 Weather Conditions: partly cloudy
 Sample Time/Date: 1122 / 12-15-03 Water Color: light brown Odor: no
 Purging Flow Rate: — gpm. Sediment Description: _____
 Did well de-water? no If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1111</u>	<u>1/2</u>	<u>7.32</u>	<u>1086</u>	<u>71.4</u>	_____	_____
<u>1114</u>	<u>3.0</u>	<u>7.18</u>	<u>1047</u>	<u>70.6</u>	_____	_____
<u>1117</u>	<u>5.0</u>	<u>7.14</u>	<u>1041</u>	<u>70.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>6</u> x vov vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)</u>
<u>MW-</u>	<u>x</u> amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D</u>
<u>MW-</u>	<u>x</u> vov vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>HVOC's(8260)</u>
_____	_____	_____	_____	_____	_____

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

Chevron California Region Analysis Request/Chain of Custody



121603-001

Acct. #: 10904

For Lancaster Laboratories use only
Sample #: 4186745-31

SCR#:

Gr. # 878751

Facility #: SS#9-9708 G-R#386395 Global ID#T0600102093
 Site Address: 5910 MACARTHUR BLVD., OAKLAND, CA
 Chevron PM: KS Lead Consultant: CAMBRIA
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
 Sampler: Tony Camarda
 Service Order #: _____ Non SAR: _____

Matrix		Analyses Requested										
		Preservation Codes										
Soil	Water	Oil	Air	Total Number of Containers	H	A					H	H
					<input type="checkbox"/> Potable <input type="checkbox"/> NPDES	<input type="checkbox"/> BTEX + MTBE 8260 <input checked="" type="checkbox"/> 9021	<input type="checkbox"/> TPH 8015 MOD GRO	<input type="checkbox"/> TPH 8015 MOD DRO	<input type="checkbox"/> Silica Gel Cleanup			
					8260 full scan	Oxygenates	Lead 7420	<input type="checkbox"/> 7421			<u>ETHANOL 8260</u>	<u>HYD'S 8260</u>

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy's on highest hit
 Run ___ oxy's on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421	ETHANOL 8260	HYD'S 8260	
<u>QA</u>	<u>12-15-03</u>	—	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
<u>MW-1</u>		<u>1340</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>MW-2</u>		<u>1410</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>MW-3</u>		<u>1310</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>11</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>MW-4</u>		<u>1238</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>MW-5</u>		<u>1154</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>MW-6</u>		<u>1122</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>6</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>		

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)

STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)

QC Summary Type I — Full
 Type VI (Raw Data) Coelt Deliverable not needed
 WIP (RWQCB)
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>12/16/03</u>	Time: <u>8:00</u>	Received by: <u>[Signature]</u>	Date: <u>12/16/03</u>	Time: <u>8:00</u>
Relinquished by: <u>[Signature]</u>	Date: <u>12/16/03</u>	Time: <u>0930</u>	Received by: <u>[Signature]</u>	Date: <u>12/16/03</u>	Time: <u>0930</u>
Relinquished by: <u>[Signature]</u>	Date: <u>12/16/03</u>	Time: <u>1430</u>	Received by: <u>[Signature]</u>	Date: <u>12/16/03</u>	Time: <u>1430</u>
Relinquished by Commercial Carrier: UPS / FedEx Other: <u>Airline</u>	Temperature Upon Receipt: <u>2-2.5 C°</u>		Received by: <u>[Signature]</u>	Date: <u>11/20/03</u>	Time: <u>0922</u>
Custody Seals Intact? <u>Yes</u>					

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 878751. Samples arrived at the laboratory on Wednesday, December 17, 2003. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-031215	NA Water	4186745
MW-1-W-031215	Grab Water	4186746
MW-2-W-031215	Grab Water	4186747
MW-3-W-031215	Grab Water	4186748
MW-4-W-031215	Grab Water	4186749
MW-5-W-031215	Grab Water	4186750
MW-6-W-031215	Grab Water	4186751


1 COPY TO
ELECTRONIC
COPY TO

Cambria C/O Gettler- Ryan
Gettler-Ryan

Attn: Deanna L. Harding
Attn: Cheryl Hansen

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

Respectfully Submitted,



Victoria M. Mariell
Chemist

Lancaster Laboratories Sample No. WW 4186745

QA-T-031215 NA Water
 Facility# 99708 Job# 386395 GRD
 5910 MacArthur-Oakland T0600102093 QA
 Collected: 12/15/2003 00:00

Account Number: 10904

Submitted: 12/17/2003 09:25
 Reported: 01/02/2004 at 14:35
 Discard: 02/02/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MCAQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
01728	TPH-GRO - Waters 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.	n.a.	N.D.		50.	ug/l	1
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		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	12/18/2003	20:22	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	12/19/2003	02:07	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/18/2003	20:22	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003	02:07	Elizabeth M Taylor	n.a.

Lancaster Laboratories Sample No. WW 4186746

MW-1-W-031215 Grab Water
 Facility# 99708 Job# 386395 GRD
 5910 MacArthur-Oakland T0600102093 MW-1
 Collected: 12/15/2003 13:40 by TC

Account Number: 10904

Submitted: 12/17/2003 09:25
 Reported: 01/02/2004 at 14:35
 Discard: 02/02/2004

ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MCA01

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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	410.	3.	ug/l	5
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	0.7	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	0.8	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	12/18/2003 20:51	Michael F Barrow	1
01594	BTEX+5	SW-846 8260B	1	12/19/2003 11:04	Shawn J Rice	1
01594	Oxygenates+EDC+EDB+ETOH BTEX+5	SW-846 8260B	1	12/19/2003 11:25	Shawn J Rice	5
01146	GC VOA Water Prep	SW-846 5030B	1	12/18/2003 20:51	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 11:04	Shawn J Rice	n.a.

Lancaster Laboratories Sample No. **WW 4186747**

 MW-2-W-031215 Grab Water
 Facility# 99708 Job# 386395 GRD
 5910 MacArthur-Oakland T0600102093 MW-2
 Collected: 12/15/2003 14:10 by TC

Account Number: 10904

 Submitted: 12/17/2003 09:25
 Reported: 01/02/2004 at 14:35
 Discard: 02/02/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MCA02

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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	63.	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

Matrix QC was performed on this sample for the GCMS volatile analysis.
 Please see the attached QC summary report for compounds showing a matrix bias.

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	12/18/2003 21:20	Michael F Barrow	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/19/2003 11:46	Shawn J Rice	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/18/2003 21:20	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 11:46	Shawn J Rice	n.a.

Lancaster Laboratories Sample No. WW 4186748

 MW-3-W-031215 Grab Water GRD
 Facility# 99708 Job# 386395
 5910 MacArthur-Oakland T0600102093 MW-3
 Collected: 12/15/2003 13:10 by TC

Account Number: 10904

 Submitted: 12/17/2003 09:25
 Reported: 01/02/2004 at 14:35
 Discard: 02/02/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MCA03

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.					
05553	TPH - DRO CA LUFT (Waters)	n.a.	3,200.	130.	ug/l	5
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
05382	EPA SW846/8260 (water)					
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	0.8	0.5	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	0.7	0.5	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05383	EPA SW846/8260 (water) cont					
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
05416	m+p-Xylene	1330-20-7	0.7	0.5	ug/l	1

Lancaster Laboratories Sample No. **WW 4186748**

 MW-3-W-031215 Grab Water
 Facility# 99708 Job# 386395 GRD
 5910 MacArthur-Oakland T0600102093 MW-3
 Collected: 12/15/2003 13:10 by TC

Account Number: 10904

 Submitted: 12/17/2003 09:25
 Reported: 01/02/2004 at 14:35
 Discard: 02/02/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MCA03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				Method	Detection Limit		
05417	o-Xylene	95-47-6	N.D.	0.5		ug/l	1
05419	Bromoform	75-25-2	N.D.	1.		ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.		ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.		ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.		ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.		ug/l	1
08202	EPA SW 846/8260 - Water						
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

Matrix QC was performed on this sample for the GCMS volatile analysis.
 Please see the attached QC summary report for compounds showing a matrix bias.

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	1	12/18/2003 13:14	Michael F Barrow	1
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	12/31/2003 06:33	Devin M Hetrick	5
05382	EPA SW846/8260 (water)	SW-846 8260B	1	12/19/2003 03:06	Scott M Evans	1
05383	EPA SW846/8260 (water)	SW-846 8260B	1	12/19/2003 03:06	Scott M Evans	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	12/19/2003 03:06	Scott M Evans	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/18/2003 13:14	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 03:06	Scott M Evans	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	12/19/2003 01:30	Deborah A Stasiak-Birkenbine	1

Lancaster Laboratories Sample No. **WW 4186749**

 MW-4-W-031215 Grab Water
 Facility# 99708 Job# 386395 GRD
 5910 MacArthur-Oakland T0600102093 MW-4
 Collected: 12/15/2003 12:38 by TC

Account Number: 10904

 Submitted: 12/17/2003 09:25
 Reported: 01/02/2004 at 14:35
 Discard: 02/02/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MCA04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	310.	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. The data reported is from the analysis of the 26 A vial. The data obtained from the analysis of the 26B vial did not match the data from the 26A vial. The results from the 26B vial are listed below:						

Total GRO 41.3 ug/L

01594	BTEX+5 Oxygenates+EDC+EDB+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
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	21.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	1.	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	1	12/19/2003 09:46	Todd T Smythe	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/19/2003 12:50	Shawn J Rice	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/19/2003 09:46	Todd T Smythe	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 12:50	Shawn J Rice	n.a.

Lancaster Laboratories Sample No. **WW 4186750**

 MW-5-W-031215 Grab Water
 Facility# 99708 Job# 386395 GRD
 5910 MacArthur-Oakland T0600102093 MW-5
 Collected: 12/15/2003 11:58 by TC

Account Number: 10904

 Submitted: 12/17/2003 09:25
 Reported: 01/02/2004 at 14:35
 Discard: 02/02/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MCA05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	Units	Dilution Factor
				Method		
				Detection Limit		
01728	TPH-GRO - Waters	n.a.	1,200.	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.						
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	120.	0.5	ug/l	1
05401	Benzene	71-43-2	0.7	0.5	ug/l	1
05407	Toluene	108-88-3	0.5	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	0.6	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	0.8	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 Method	1	12/19/2003 04:01	Todd T Smythe	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/19/2003 13:11	Shawn J Rice	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/19/2003 04:01	Todd T Smythe	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 13:11	Shawn J Rice	n.a.

Lancaster Laboratories Sample No. **WW 4186751**

 MW-6-W-031215 Grab Water
 Facility# 99708 Job# 386395 GRD
 5910 MacArthur-Oakland T0600102093 MW-6
 Collected: 12/15/2003 11:22 by TC

Account Number: 10904

 Submitted: 12/17/2003 09:25
 Reported: 01/02/2004 at 14:35
 Discard: 02/02/2004

 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MCA06

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.					
01594	BTEX+5 Oxygenates+EDC+EDB+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
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	12/19/2003 04:30	Todd T Smythe	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/19/2003 13:33	Shawn J Rice	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/19/2003 04:30	Todd T Smythe	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 13:33	Shawn J Rice	n.a.

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 01/02/04 at 02:35 PM

Group Number: 878751

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: 033520012A TPH - DRO CA LUFT (Waters)	Sample number(s): 4186748 N.D.	50.	ug/l	74	88	61-126	17	20
Batch number: 03352A08A TPH-GRO - Waters	Sample number(s): 4186748 N.D.	50.	ug/l	115		70-130		
Batch number: 03352A08B TPH-GRO - Waters	Sample number(s): 4186745-4186747 N.D.	50.	ug/l	115		70-130		
Batch number: 03352A08C TPH-GRO - Waters	Sample number(s): 4186750-4186751 N.D.	50.	ug/l	115		70-130		
Batch number: 03352A08D TPH-GRO - Waters	Sample number(s): 4186749 N.D.	50.	ug/l	115		70-130		
Batch number: N033522AA	Sample number(s): 4186748							
Ethanol	N.D.	50.	ug/l	110		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	104		77-127		
Chloromethane	N.D.	1.	ug/l	98		69-136		
Vinyl Chloride	N.D.	1.	ug/l	104		71-129		
Bromomethane	N.D.	1.	ug/l	87		46-138		
Chloroethane	N.D.	1.	ug/l	94		59-133		
Trichlorofluoromethane	N.D.	2.	ug/l	92		59-137		
1,1-Dichloroethene	N.D.	0.8	ug/l	101		79-130		
Methylene Chloride	N.D.	2.	ug/l	103		80-128		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	100		81-124		
1,1-Dichloroethane	N.D.	1.	ug/l	104		83-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	107		84-117		
Chloroform	N.D.	0.8	ug/l	106		86-124		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	106		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	104		77-130		
Benzene	N.D.	0.5	ug/l	105		85-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	105		77-132		
Trichloroethene	N.D.	1.	ug/l	104		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	106		80-117		
Bromodichloromethane	N.D.	1.	ug/l	105		83-121		
Toluene	N.D.	0.5	ug/l	98		85-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	99		86-113		
Tetrachloroethene	N.D.	0.8	ug/l	102		82-126		
Dibromochloromethane	N.D.	1.	ug/l	99		78-119		
Chlorobenzene	N.D.	0.8	ug/l	100		85-115		
Ethylbenzene	N.D.	0.5	ug/l	96		82-119		
m+p-Xylene	N.D.	0.5	ug/l	98		84-120		
o-Xylene	N.D.	0.5	ug/l	100		84-120		
Bromoform	N.D.	1.	ug/l	96		63-122		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	93		72-119		
1,3-Dichlorobenzene	N.D.	1.	ug/l	98		82-119		
1,4-Dichlorobenzene	N.D.	1.	ug/l	98		84-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	97		81-112		
Batch number: P033522AA	Sample number(s): 4186745							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	92		77-127		
Benzene	N.D.	0.5	ug/l	93		85-117		
Toluene	N.D.	0.5	ug/l	91		85-115		
Ethylbenzene	N.D.	0.5	ug/l	91		82-119		

*- Outside of specification

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

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 01/02/04 at 02:35 PM

Group Number: 878751

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Xylene (Total)	N.D.	0.5	ug/l	91		84-120		
Batch number: P033531AA	Sample number(s): 4186746-4186747, 4186749-4186751							
Ethanol	N.D.	50.	ug/l	123		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		77-127		
Benzene	N.D.	0.5	ug/l	95		85-117		
Toluene	N.D.	0.5	ug/l	94		85-115		
Ethylbenzene	N.D.	0.5	ug/l	96		82-119		
Xylene (Total)	N.D.	0.5	ug/l	95		84-120		

Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 03352A08A	Sample number(s): 4186748								
TPH-GRO - Waters	126	123	63-154	2	30				
Batch number: 03352A08B	Sample number(s): 4186745-4186747								
TPH-GRO - Waters	126	123	63-154	2	30				
Batch number: 03352A08C	Sample number(s): 4186750-4186751								
TPH-GRO - Waters	126	123	63-154	2	30				
Batch number: 03352A08D	Sample number(s): 4186749								
TPH-GRO - Waters	126	123	63-154	2	30				
Batch number: N033522AA	Sample number(s): 4186748								
Ethanol	65	69	38-149	6	30				
Methyl Tertiary Butyl Ether	105	105	69-134	0	30				
Chloromethane	112	107	70-148	5	30				
Vinyl Chloride	115	115	64-148	0	30				
Bromomethane	92	97	52-140	5	30				
Chloroethane	99	104	63-142	5	30				
Trichlorofluoromethane	119	118	64-154	1	30				
1,1-Dichloroethene	115	115	78-146	1	30				
Methylene Chloride	110	108	79-133	2	30				
trans-1,2-Dichloroethene	111	110	82-133	0	30				
1,1-Dichloroethane	113	111	85-135	2	30				
cis-1,2-Dichloroethene	110	109	83-126	0	30				
Chloroform	112	110	82-131	2	30				
1,1,1-Trichloroethane	115	113	82-135	1	30				
Carbon Tetrachloride	119	118	73-144	0	30				
Benzene	112	111	83-128	2	30				
1,2-Dichloroethane	108	108	73-136	0	30				
Trichloroethene	110	108	75-135	2	30				
1,2-Dichloropropane	109	106	81-121	3	30				
Bromodichloromethane	107	105	83-121	2	30				
Toluene	101	99	83-127	2	30				
1,1,2-Trichloroethane	99	96	77-125	3	30				
Tetrachloroethene	110	108	75-143	1	30				
Dibromochloromethane	99	98	73-119	1	30				
Chlorobenzene	105	103	83-120	2	30				
Ethylbenzene	102	100	82-129	2	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
 Reported: 01/02/04 at 02:35 PM

Group Number: 878751

Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
								Max
m+p-Xylene	103	101	82-130	2	30			
o-Xylene	104	103	82-130	1	30			
Bromoform	94	93	64-119	1	30			
1,1,2,2-Tetrachloroethane	88	86	69-121	2	30			
1,3-Dichlorobenzene	101	100	79-123	1	30			
1,4-Dichlorobenzene	100	98	81-122	2	30			
1,2-Dichlorobenzene	100	98	82-117	1	30			
Batch number: P033522AA Sample number(s): 4186745								
Methyl Tertiary Butyl Ether	97	96	69-134	1	30			
Benzene	98	100	83-128	3	30			
Toluene	96	97	83-127	1	30			
Ethylbenzene	97	98	82-129	1	30			
Xylene (Total)	96	97	82-130	1	30			
Batch number: P033531AA Sample number(s): 4186746-4186747,4186749-4186751								
Ethanol	103	97	38-149	6	30			
Methyl Tertiary Butyl Ether	1*	60*	69-134	17	30			
Benzene	97	99	83-128	1	30			
Toluene	101	98	83-127	3	30			
Ethylbenzene	101	96	82-129	5	30			
Xylene (Total)	102	96	82-130	6	30			

Surrogate Quality Control

 Analysis Name: TPH - DRO CA LUFT (Waters)
 Batch number: 033520012A
 Orthoterphenyl

4186748	73
Blank	71
LCS	87
LCSD	97

Limits: 59-139

 Analysis Name: TPH-GRO - Waters
 Batch number: 03352A08A
 Trifluorotoluene-F

4186748	113
Blank	112
LCS	116
MS	118
MSD	116

Limits: 57-146

 Analysis Name: TPH-GRO - Waters
 Batch number: 03352A08B
 Trifluorotoluene-F

*- Outside of specification

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

Quality Control Summary

 Client Name: ChevronTexaco
 Reported: 01/02/04 at 02:35 PM

Group Number: 878751

Surrogate Quality Control

 4186745 113
 4186746 112
 4186747 114
 Blank 115
 LCS 116
 MS 118
 MSD 116

Limits: 57-146

 Analysis Name: TPH-GRO - Waters
 Batch number: 03352A08C
 Trifluorotoluene-F

 4186750 128
 4186751 113
 Blank 112
 LCS 116
 MS 118
 MSD 116

Limits: 57-146

 Analysis Name: TPH-GRO - Waters
 Batch number: 03352A08D
 Trifluorotoluene-F

 4186749 113
 Blank 112
 LCS 116
 MS 118
 MSD 116

Limits: 57-146

 Analysis Name: EPA SW846/8260 (water)
 Batch number: N033522AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4186748	93	88	89	90
Blank	92	89	88	88
LCS	93	90	88	90
MS	93	88	89	91
MSD	94	90	88	90

Limits: 81-120

82-112

85-112

83-113

 Analysis Name: ETEX+MTBE by 8260B
 Batch number: P033522AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4186745	100	100	103	97
Blank	97	97	104	97
LCS	100	98	103	96
MS	100	100	104	97
MSD	101	99	103	97

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
Reported: 01/02/04 at 02:35 PM

Group Number: 878751

Surrogate Quality Control

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH
Batch number: P033531AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4186746	100	100	104	97
4186747	100	101	104	97
4186749	100	99	103	97
4186750	100	102	104	104
4186751	100	100	103	97
Blank	100	99	104	97
LCS	101	100	104	98
MS	101	99	104	98
MSD	100	99	103	97
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.

Explanation of Symbols and Abbreviations

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

N.D.	none detected
TNTC	Too Numerous To Count
IU	International Units
umhos/cm	micromhos/cm
C	degrees Celsius
meq	milliequivalents
g	gram(s)
ug	microgram(s)
ml	milliliter(s)
m3	cubic meter(s)

BMQL	Below Minimum Quantitation Level
MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units
NTU	nephelometric turbidity units
F	degrees Fahrenheit
lb.	pound(s)
kg	kilogram(s)
mg	milligram(s)
l	liter(s)
ul	microliter(s)

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

> greater than

J estimated value - The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

Inorganic Qualifiers

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