



GETTLER - RYAN INC.

October 5, 2005
G-R Job #386456

Mr. Dana Thurman
ChevronTexaco Company
P.O. Box 6012, Room K2236
San Ramon, CA 94583

RE: Third Quarter Event of August 31, 2005
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-0338
5500 Telegraph Avenue
Oakland, California

Dear Mr. Thurman:

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,

- F02 -

Deanna L. Harding
Project Coordinator

Robert A. Lauritzen
Senior Geologist, P.G. No. 7504



- 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



GETTLER-RYAN INC.

TRANSMITTAL

October 5, 2005
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: 61H-1957
RO 0000221

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	October 5, 2005	Groundwater Monitoring and Sampling Report Third Quarter - Event of August 31, 2005

COMMENTS:

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

Mr. Dana Thurman, ChevronTexaco Company, P.O. Box 6012, Room K2236, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **October 19, 2005**, 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-DT

6747 Sierra Court, Suite J • Dublin, CA 94568 • (925) 551-7556 • Fax (925) 551-7888
3140 Gold Camp Drive, Suite 170 • Rancho Cordova, CA 95670 • (916) 631-1300 • Fax (916) 631-1317
1364 N. McDowell Blvd., Suite B2 • Petaluma, CA 94954 • (707) 789-3255 • Fax (707) 789-3218

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

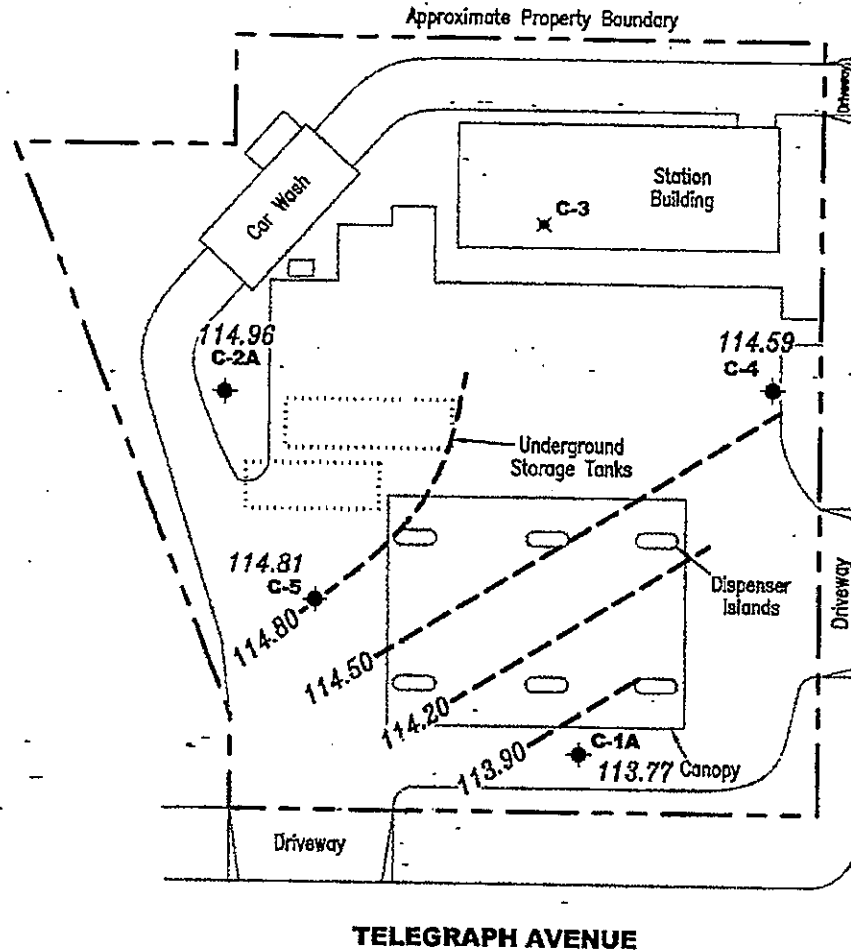

 Approximate groundwater flow direction at a gradient of 0.007 to 0.02 FL./FT.



Scale in Feet

FIGURE

1



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


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

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

PROJECT NUMBER
386456

REVIEWED BY

DATE
August 31, 2005

REVISED DATE

FILE NAME: P:\Enviro\Chevron\9-0338\Q05-9-0338.dwg | Layout Tab: Pct3

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

WELL ID/ DATE	TOC (<i>µ</i> L)	GWE (msl)	DTW (<i>ft</i>)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-1A									
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 ²
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 ¹	110	170	480	980	<500
07/27/00	123.27	115.14	8.13	6,200 ¹	<50	<50	540	150	<250
11/21/00	123.27	115.60	7.67	6,500 ¹	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 ¹	37	27	520	490	63
08/06/01	123.27	115.15	8.12	3,300 ¹	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 ³
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 ⁵	123.27	114.16	9.11	2,100	<0.5	<0.5	7	4	7
11/26/03 ⁵	123.27	113.74	9.53	490	<0.5	<0.5	<0.5	<0.5	11
02/25/04 ⁵	123.27	116.41	6.86	<50	<0.5	<0.5	<0.5	3	3
05/22/04 ⁵	123.27	114.15	9.12	110	<0.5	<0.5	<0.5	<0.5	6
08/20/04 ⁵	123.27	114.06	9.21	700	<0.5	<0.5	17	<0.5	4
11/05/04 ⁵	123.27	114.38	8.89	330	<0.5	<0.5	<0.5	<0.5	9
02/14/05 ⁵	123.27	114.47	8.80	<50	<0.5	<0.5	<0.5	<0.5	0.9
05/16/05 ⁵	123.27	114.96	8.31	<50	<0.5	<0.5	<0.5	<0.5	0.6
08/31/05 ⁵	123.27	113.77	9.50	<50	0.5	0.8	<0.5	5	5
C-2A									
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 ²
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

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

WELL ID/ DATE	TOC (<i>µ</i>)	GWE (<i>msl</i>)	DTW (<i>ft.</i>)	TPH-G (<i>ppb</i>)	B (<i>ppb</i>)	T (<i>ppb</i>)	E (<i>ppb</i>)	X (<i>ppb</i>)	MTBE (<i>ppb</i>)
C-2A (cont)									
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
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 ³
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 ⁵	125.89	114.98	10.91	<50	<0.5	<0.5	<0.5	<0.5	1
11/26/03 ⁵	125.89	114.73	11.16	<50	<0.5	<0.5	<0.5	<0.5	3
02/25/04 ⁵	125.89	117.47	8.42	<50	<0.5	<0.5	<0.5	<0.5	0.5
05/22/04 ⁵	125.89	115.68	10.21	<50	<0.5	<0.5	<0.5	<0.5	2
08/20/04 ⁵	125.89	114.91	10.98	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/05/04 ⁵	125.89	115.73	10.16	<50	<0.5	<0.5	<0.5	<0.5	5
02/14/05 ⁵	125.89	116.62	9.27	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/16/05 ⁵	125.89	116.89	9.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/31/05 ⁵	125.89	114.96	10.93	<50	0.8	1	<0.5	5	2
C-4									
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 ²
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 ¹	125.40	114.45	10.95	<50	<0.50	<0.50	<0.50	<1.5	72/62 ³

Table 1
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 Chevron Service Station #9-0338
 5500 Telegraph Avenue
 Oakland, California

WELL ID/ DATE	TOC (<i>µ</i> L)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
C-4 (cont)									
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
05/05/03	125.40	114.25	11.15	<50	<0.5	<0.5	<0.5	<1.5	120
08/28/03 ^s	125.40	114.19	11.21	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/03 ^s	125.40	113.40	12.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/04 ^s	125.40	114.51	10.89	<50	<0.5	<0.5	<0.5	<0.5	16
05/22/04 ^s	125.40	114.29	11.11	<50	<0.5	<0.5	<0.5	<0.5	1
08/20/04 ^s	125.40	113.36	12.04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/05/04 ^s	125.40	115.08	10.32	<50	<0.5	<0.5	<0.5	<0.5	0.7
02/14/05 ^s	125.40	114.69	10.71	<50	<0.5	<0.5	<0.5	<0.5	2
05/16/05 ^s	125.40	115.46	9.94	<50	<0.5	<0.5	<0.5	<0.5	1
08/31/05 ^s	125.40	114.59	10.81	<50	0.7	1	<0.5	7	0.6
C-5									
05/27/99	124.15	117.54	6.61	2,800	350	73	32	280	2,200/2,500 ²
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 ²
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 ¹	3.6	1.2	0.53	2.0	380
07/27/00	124.15	116.92	7.23	260 ¹	1.4	1.2	0.93	2.8	460
11/21/00	124.15	117.47	6.68	130 ¹	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 ¹	2.1	1.0	<0.50	0.80	210
08/06/01	124.15	116.74	7.41	94 ¹	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 ³
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 ^s	124.15	115.25	8.90	59	3	<0.5	4	7	470

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

WELL ID/ DATE	TOC (<i>µ</i> L)	GWE (<i>msl</i>)	DTW (<i>ft</i>)	TPH-G (<i>pph</i>)	B (<i>ppb</i>)	T (<i>ppb</i>)	E (<i>pph</i>)	X (<i>pph</i>)	MTBE (<i>ppb</i>)
C-5 (cont)									
11/26/03 ^S	124.15	114.49	9.66	190	14	0.5	15	20	640
02/25/04 ^S	124.15	116.54	7.61	<50	0.9	<0.5	4	<0.5	140
05/22/04 ^S	124.15	115.93	8.22	640	90	3	56	73	860
08/20/04 ^S	124.15	114.50	9.65	<50	<0.5	<0.5	<0.5	<0.5	340
11/05/04 ^S	124.15	115.51	8.64	1,400	84	3	120	160	780
02/14/05 ^S	124.15	116.62	7.53	<50	<0.5	<0.5	<0.5	<0.5	28
05/16/05 ^S	124.15	115.89	8.26	<50	<0.5	<0.5	<0.5	<0.5	190
08/31/05 ^S	124.15	114.81	9.34	240	13	<0.5	13	14	710
TRIP BLANK									
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
QA									
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 ^S	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/26/03 ^S	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/25/04 ^S	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/22/04 ^S	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/20/04 ^S	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
11/05/04 ^S	--	--	--	<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

WELL ID/ DATE	TOC (<i>µ</i> L)	GWE (msf)	DTW (<i>ft</i>)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MIBE (ppb)
QA (cont)				<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/14/05 ^s	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/16/05 ^s	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/31/05 ^s	--	--	--	<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

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

¹ Laboratory report indicates gasoline C6-C12.

² Confirmation run.

³ MTBE by EPA Method 8260.

⁴ Total Petroleum Hydrocarbons as Diesel (TPH-D) was less than the reporting limit.

⁵ 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 (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
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	∩	4	<0.5	<0.5	<0.5
	11/05/04	<50	∩	9	<0.5	<0.5	<0.5
	02/14/05	<50	∩	0.9	<0.5	<0.5	<0.5
	05/16/05	<50	∩	0.6	<0.5	<0.5	<0.5
	08/31/05	<50	∩	5	<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	∩	<0.5	<0.5	<0.5	<0.5
	11/05/04	<50	∩	5	<0.5	<0.5	<0.5
	02/14/05	<50	∩	<0.5	<0.5	<0.5	<0.5
	05/16/05	<50	∩	<0.5	<0.5	<0.5	<0.5
	08/31/05	<50	∩	2	<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	∩	<0.5	<0.5	<0.5	<0.5
	11/05/04	<50	∩	0.7	<0.5	<0.5	<0.5
	02/14/05	<50	∩	2	<0.5	<0.5	<0.5
	05/16/05	<50	∩	1	<0.5	<0.5	<0.5
	08/31/05	<50	∩	0.6	<0.5	<0.5	<0.5

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

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIPE (ppb)	ETBE (ppb)	TAME (ppb)
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
	11/05/04	<50	23	780	<0.5	<0.5	5
	02/14/05	<50	<5	28	<0.5	<0.5	<0.5
	05/16/05	<50	10	190	<0.5	<0.5	1
	08/31/05	<50	38	710	<0.5	<0.5	5

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 Job Number: 386456
 Site Address: 5500 Telegraph Avenue Event Date: 8-31-05 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: C-1A Date Monitored: 8-31-05 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 19.45 ft.
 Depth to Water: 9.50 ft.
9.95 x VF .17 = 1.69 x3 case volume = Estimated Purge Volume: 5.0 gal.

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.60	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: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sack (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____
 Product Transferred to: _____

Start Time (purge): 1714 Weather Conditions: SUNNY
 Sample Time/Date: 1729 18-31-05 Water Color: CLEAR Odor: NO
 Purging Flow Rate: 1.5 gpm. Sediment Description: _____
 Did well de-water? Yes If yes, Time: 1717 Volume: 3.0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1715</u>	<u>1.5</u>	<u>7.16</u>	<u>303</u>	<u>20.6</u>		
<u>1717</u>	<u>3.0</u>	<u>7.05</u>	<u>320</u>	<u>20.5</u>		
	<u>5.0</u>					

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-1A</u>	<u>6</u> x 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: 2"



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0338 Job Number: 386456
 Site Address: 5500 Telegraph Avenue Event Date: 8.31.05 (inclusive)
 City: Oakland, CA Sampler: FT

Well ID: C-2A Date Monitored: 8.31.05 Well Condition: OK
 Well Diameter: 2 in.
 Total Depth: 20.20 ft.
 Depth to Water: 10.93 ft.
9.27 xVF .17 = 1.57 x3 case volume = Estimated Purge Volume: 5.0 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: _____ 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): 1606 Weather Conditions: SUNNY
 Sample Time/Date: 1621 / 8.31.05 Water Color: LT. Brow. Odor: NO
 Purging Flow Rate: 1.5 gpm. Sediment Description: S. SILTY
 Did well de-water? Yes If yes, Time: 1611 Volume: 2.0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1607</u>	<u>1.5</u>	<u>6.90</u>	<u>312</u>	<u>19.9</u>		
	<u>3.0</u>					
	<u>5.0</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)/BTEX+MTBE(8260)/ 6 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: 8.31.05 (inclusive)
 City: Oakland, CA Sampler: FR

Well ID: C-4 Date Monitored: 8.31.05 Well Condition: o/w
 Well Diameter: 2 in.
 Total Depth: 19.45 ft.
 Depth to Water: 10.81 ft.
8.64 xVF .17 = 1.46 x3 case volume = Estimated Purge Volume: 4.0 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 Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: _____ ft
 Visual Confirmation/Description: _____
 Skimmer / Absorbant Sock (circle one)
 Amt Removed from Skimmer: _____ gal
 Amt Removed from Well: _____ gal
 Water Removed: _____ gal
 Product Transferred to: _____

Start Time (purge): 1636 Weather Conditions: SUNNY
 Sample Time/Date: 1653 / 8.31.05 Water Color: LT. BLEN. Odor: NO
 Purging Flow Rate: 1.5 gpm. Sediment Description: S. SILTY
 Did well de-water? yes If yes, Time: 1642 Volume: 3.0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1637</u>	<u>1.5</u>	<u>6.89</u>	<u>305</u>	<u>21.2</u>		
<u>1638</u>	<u>3.0</u>	<u>6.78</u>	<u>303</u>	<u>20.9</u>		
	<u>4.0</u>					

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-4</u>	<u>6 x vva vial</u>	<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
 Site Address: 5500 Telegraph Avenue
 City: Oakland, CA

Job Number: 386456
 Event Date: 8.31.05 (inclusive)
 Sampler: ET

Well ID: C-5 Date Monitored: 8.31.05 Well Condition: 0' id
 Well Diameter: 2 in.
 Total Depth: 20.15 ft.
 Depth to Water: 9.34 ft.
 Volume Factor (VF): $\frac{3/4"=0.02}{4"=0.66} \quad \frac{1"=0.04}{5"=1.02} \quad \frac{2"=0.17}{6"=1.50} \quad \frac{3"=0.38}{12"=5.80}$
 $10.21 \times VF .17 = 1.73 \times 3 \text{ case volume} = \text{Estimated Purge Volume: } 5.5 \text{ gal.}$

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

Start Time (purge): 1747 Weather Conditions: SUNNY
 Sample Time/Date: 1802 / 8.31.05 Water Color: LT. BRN. Odor: NO
 Purging Flow Rate: 2.0 gpm. Sediment Description: S. SILTY
 Did well de-water? Yes If yes, Time: 1751 Volume: 4.0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1748</u>	<u>2.0</u>	<u>6.87</u>	<u>494</u>	<u>21.3</u>		
<u>1751</u>	<u>4.0</u>	<u>6.82</u>	<u>491</u>	<u>20.4</u>		
	<u>5.5</u>					

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>C-5</u>	<u>6 x vial</u>	<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"

Chevron California Region Analysis Request/Chain of Custody



090205-03

Acct. #: 10904 For Lancaster Laboratories use only Sample #: 4596900-04

Grp. 958020

Cambria MTI Project #: 61H-1957

Facility #: SS#9-0338 G-R#386456 Global ID#T0600100347 Site Address: 5500 TELEGRAPH AVENUE, OAKLAND, CA Chevron PM: MTI Lead Consultant: CAMBRIABE 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: FRANK TERNON Service Order #: <input type="checkbox"/> Non SAR:		Matrix: <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Composite Total Number of Containers:		Analyses Requested Preservation Codes:				Preservative Codes: H = HCl T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other											
BTEX + MTBE 8260-8201 <input type="checkbox"/> TPH 8015 MOD GRO <input type="checkbox"/> TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup 8260 full scan <input type="checkbox"/> Oxygenated (8260) <input type="checkbox"/> Lead 7420 <input type="checkbox"/> 7421 <input type="checkbox"/>								<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 8260-8201	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenated (8260)	Lead 7420	7421	Comments / Remarks		
QA	8-31-05								2	X	X								
C-1A		1729	X						6	X	X			X					
C-2A		1621	X						6	X	X			X					
C-4		1653	X						6	X	X			X					
C-5		1802	X						6	X	X			X					
Turnaround Time Requested (TAT) (please circle) <input checked="" type="radio"/> 24 hour 72 hour 48 hour <input type="radio"/> 4 day 5 day		Relinquished by: <i>Frank Ternon</i> Date: 8-31-05 Time:		Received by: <i>D Vance</i> Date: 9/2/05 Time:		Relinquished by: <i>D Vance</i> Date: 9/2/05 Time:		Received by: <i>Elizabeth Leonard</i> Date: 9/2/05 Time:		Relinquished by: <i>Elizabeth Leonard</i> Date: 9/2/05 Time:		Received by: <i>DHL</i> Date: 9/2/05 Time:		Relinquished by Commercial Carrier: <i>UPS</i> Date: 9/2/05 Time:		Received by: <i>DHL</i> Date: 9/3/05 Time:		Temperature Upon Receipt: <i>Zscale C 1.9° - 9.0°</i> Custody Seals Intact? <input checked="" type="radio"/> Yes No	
Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk		EDF/EDD																	



Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-658-2300 Fax: 717-658-2681 • www.lancasterlabs.com

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco c/o Cambria
Suite 12
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 958020. Samples arrived at the laboratory on Saturday, September 03, 2005. The PO# for this group is 99011184 and the release number is MTI.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-050831	NA Water	4596900
C-1A-W-050831	Grab Water	4596901
C-2A-W-050831	Grab Water	4596902
C-4-W-050831	Grab Water	4596903
C-5-W-050831	Grab Water	4596904

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 Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • 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 "Dana M. Kauffman".

Dana M. Kauffman
Manager



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4596900

QA-T-050831 NA Water
 Facility# 90338 Job# 386456 MTI# 61H-1957 GRD
 5500 Telegraph-Oakland T0600100347 QA
 Collected: 08/31/2005

Account Number: 10904

Submitted: 09/03/2005 10:00
 Reported: 09/13/2005 at 18:37
 Discard: 10/14/2005

ChevronTexaco c/o Cambria
 Suite 12
 4111 Citrus Avenue
 Rocklin CA 95677

TAOQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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 Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	09/09/2005 11:51	K. Robert Caulfeild-James	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/09/2005 09:46	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/09/2005 11:51	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/09/2005 09:46	Ginelle L Feister	n.a.



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW 4596901

C-1A-W-050831 Grab Water
Facility# 90338 Job# 386456 MTI# 61H-1957 GRD
5500 Telegraph-Oakland T0600100347 C-1A
Collected: 08/31/2005 17:29 by FT

Account Number: 10904

Submitted: 09/03/2005 10:00
Reported: 09/13/2005 at 18:37
Discard: 10/14/2005

ChevronTexaco c/o Cambria
Suite 12
4111 Citrus Avenue
Rocklin CA 95677

TAO1A

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Units	Dilution Factor
				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	5.		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	0.5		0.5	ug/l	1
05407	Toluene	108-88-3	0.8		0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	5.		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	Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	09/09/2005	13:18	K. Robert Caulfeild-James	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	09/09/2005	18:20	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/09/2005	13:18	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/09/2005	18:20	Ginelle L Feister	n.a.



Analysis Report

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Lancaster Laboratories Sample No. WW 4596902
 C-2A-W-050831 Grab, Water
 Facility# 90338 Job# 386456 MTI# 61H-1957 GRD
 5500 Telegraph-Oakland T0600100347 C-2A
 Collected: 08/31/2005 16:21 by FT

Account Number: 10904

Submitted: 09/03/2005 10:00
 Reported: 09/13/2005 at 18:37
 Discard: 10/14/2005

ChevronTexaco c/o Cambria
 Suite 12
 4111 Citrus Avenue
 Rocklin CA 95677

TAO2A

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	2.	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	0.8	0.5	ug/l	1
05407	Toluene	108-88-3	1.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	5.	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	09/09/2005 13:46	K. Robert Caulfeild-James	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	09/09/2005 18:44	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/09/2005 13:46	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/09/2005 18:44	Ginelle L Feister	n.a.



Analysis Report

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Lancaster Laboratories Sample No. WW 4596903

C-4-W-050831 Grab Water
 Facility# 90338 Job# 386456 MTI# 61H-1957 GRD
 5500 Telegraph-Oakland T0600100347 C-4
 Collected: 08/31/2005 16:53 by FT

Account Number: 10904

Submitted: 09/03/2005 10:00
 Reported: 09/13/2005 at 18:37
 Discard: 10/14/2005

ChevronTexaco c/o Cambria
 Suite 12
 4111 Citrus Avenue
 Rocklin CA 95677

TAO04

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	0.6	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	0.7	0.5	ug/l	1
05407	Toluene	108-88-3	1.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	7.	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	09/09/2005 14:15	K. Robert Caulfeild-James	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	09/09/2005 21:21	Dawn M Harle	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/09/2005 14:15	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/09/2005 21:21	Dawn M Harle	n.a.



Analysis Report

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Lancaster Laboratories Sample No. WW 4596904

C-5-W-050831 Grab Water
 Facility# 90338 Job# 386456 MTT# 61H-1957 GRD
 5500 Telegraph-Oakland T0600100347 C-5
 Collected: 08/31/2005 18:02 by FT

Account Number: 10904

Submitted: 09/03/2005 10:00
 Reported: 09/13/2005 at 18:37
 Discard: 10/14/2005

ChevronTexaco c/o Cambria
 Suite 12
 4111 Citrus Avenue
 Rocklin CA 95677

TA005

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
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.	240.	50.	ug/l	1
06059	BTEX+5 Oxygenates+ETOH				ug/l	1
01587	Ethanol	64-17-5	N.D.	50.	ug/l	10
02010	Methyl Tertiary Butyl Ether	1634-04-4	710.	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	5.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	38.	0.5	ug/l	1
05401	Benzene	71-43-2	13.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	13.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	14.	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	1	09/09/2005 14:44	K. Robert Caulfeild-James	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	09/09/2005 21:45	Dawn M Harle	1
06059	BTEX+5 Oxygenates+ETOH	SW-846 8260B	1	09/09/2005 22:09	Dawn M Harle	10
01146	GC VOA Water Prep	SW-846 5030B	1	09/09/2005 14:44	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/09/2005 21:45	Dawn M Harle	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	2	09/09/2005 22:09	Dawn M Harle	n.a.

Quality Control Summary

 Client Name: ChevronTexaco c/o Cambria
 Reported: 09/13/05 at 06:37 PM

Group Number: 958020

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: 05254A16A TPH-GRO - Waters	N.D.	50.	ug/l	110	112	70-130	2	30
Batch number: 2052521AA	Sample number(s): 4596901-4596902							
Ethanol	N.D.	50.	ug/l	128		30-155		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	92		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	88		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	94		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	97		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	95		60-133		
Benzene	N.D.	0.5	ug/l	93		85-117		
Toluene	N.D.	0.5	ug/l	96		85-115		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	97		83-113		
Batch number: 2052522AA	Sample number(s): 4596900							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	95		77-127		
Benzene	N.D.	0.5	ug/l	95		85-117		
Toluene	N.D.	0.5	ug/l	97		85-115		
Ethylbenzene	N.D.	0.5	ug/l	96		82-119		
Xylene (Total)	N.D.	0.5	ug/l	99		83-113		
Batch number: 2052523AA	Sample number(s): 4596903-4596904							
Ethanol	N.D.	50.	ug/l	125		30-155		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	95		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	90		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	97		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	99		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	95		60-133		
Benzene	N.D.	0.5	ug/l	97		85-117		
Toluene	N.D.	0.5	ug/l	99		85-115		
Ethylbenzene	N.D.	0.5	ug/l	99		82-119		
Xylene (Total)	N.D.	0.5	ug/l	101		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: 05254A16A TPH-GRO - Waters									
				122					63-154

*- 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: 09/13/05 at 06:37 PM

Group Number: 958020

Sample Matrix Quality Control

Analysis Name	MS %RRC	MSD %RRC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Sample number(s): 4596901-4596902									
Batch number: Z052521AA	161	130	26-162	21	30				
Ethanol	98	98	69-134	0	30				
Methyl Tertiary Butyl Ether	93	94	75-130	1	30				
di-Isopropyl ether	99	99	78-119	0	30				
Ethyl t-butyl ether	99	101	72-125	1	30				
t-Amyl methyl ether	95	96	56-134	1	30				
t-Butyl alcohol	102	102	83-128	0	30				
Benzene	105	105	83-127	0	30				
Toluene	104	104	82-129	1	30				
Ethylbenzene	106	106	82-130	0	30				
Xylene (Total)									
Sample number(s): 4596900									
Batch number: Z052522AA	98	97	69-134	1	30				
Methyl Tertiary Butyl Ether	106	103	83-128	3	30				
Benzene	108	108	83-127	0	30				
Toluene	105	104	82-129	1	30				
Ethylbenzene	110	109	82-130	1	30				
Xylene (Total)									
Sample number(s): 4596903-4596904									
Batch number: Z052523AA	126	116	26-162	8	30				
Ethanol	91	92	69-134	1	30				
Methyl Tertiary Butyl Ether	88	87	75-130	1	30				
di-Isopropyl ether	94	94	78-119	0	30				
Ethyl t-butyl ether	95	97	72-125	2	30				
t-Amyl methyl ether	93	93	56-134	0	30				
t-Butyl alcohol	97	97	83-128	0	30				
Benzene	101	101	83-127	0	30				
Toluene	101	100	82-129	0	30				
Ethylbenzene	102	101	82-130	0	30				
Xylene (Total)									

Surrogate Quality Control

 Analysis Name: TPH-GRO - Waters
 Batch number: 05254A16A
 Trifluorotoluene-F

4596900	91
4596901	91
4596902	92
4596903	91
4596904	93
Blank	93
LCS	94
LCSD	95
MS	95

Limits: 63-135

 Analysis Name: BTEX+5 Oxygenates+ETOH
 Batch number: Z052521AA

Dibromofluoromethane 1,2-Dichloroethane-d4 Toluene-d8 4-Bromofluorobenzene

*- 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: 09/13/05 at 06:37 PM

Group Number: 958020

Surrogate Quality Control

4596901	100	96	91	91
4596902	98	94	92	92
Blank	96	92	93	90
LCS	96	90	93	94
MS	96	91	93	95
MSD	95	92	93	94
<hr/>				
Limits:	80-116	77-113	80-113	78-113
Analysis Name: BTEX+MTBE by 8260B				
Batch number: 2052522AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4596900	105	103	102	98
Blank	105	103	102	97
LCS	104	101	102	101
MS	106	103	102	102
MSD	104	103	101	102
<hr/>				
Limits:	80-116	77-113	80-113	78-113
Analysis Name: BTEX+5 Oxygenates+ETOH				
Batch number: 2052523AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4596903	99	94	92	93
4596904	96	93	93	93
Blank	98	93	93	91
LCS	98	92	92	94
MS	97	93	93	95
MSD	98	92	93	96
<hr/>				
Limits:	80-116	77-113	80-113	78-113

*- 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	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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.		
>	greater than		
J	estimated value - The result is \geq the Method Detection Limit (MDL) and $<$ the 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 \geq 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

2006 APR - 6 PM 2:07

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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ATTACHMENT A

Boring Logs

Gettler-Ryan, Inc.		Log of Boring HA-1	
PROJECT: <i>Chevron Service Station No. 9-0338</i>		LOCATION: <i>5500 Telegraph Avenue, Oakland, California</i>	
PROJECT NO.: <i>DG90338H.4C01</i>		SURFACE ELEVATION:	
DATE STARTED: <i>08/12/02</i>		WL (ft. bgs): <i>18.0</i>	DATE: <i>08/13/02</i> TIME: <i>07:52</i>
DATE FINISHED: <i>08/12/02</i>		WL (ft. bgs):	DATE: TIME:
DRILLING METHOD: <i>3 1/2 in. Hand Auger</i>		TOTAL DEPTH: <i>18 feet</i>	
DRILLING COMPANY: <i>Gettler-Ryan</i>		GEOLOGIST: <i>Geoffrey Risse</i>	

DEPTH (feet)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
					Asphalt - 6 inches thick.	Boring backfilled with pea gravel to 6 inch below ground surface, then finish to surface grade with concrete.
					Base rock - 1.5 feet thick.	
3				CL	CLAY (CL) - black (GLEY 2.5/N), moist, low plasticity; 80% clay, 10% silt, 10% fine sand.	
6					CLAY WITH SAND (CL) - light brown (7.5YR 6/4), dry, low plasticity; 80% clay, 20% fine sand.	
9					CLAY WITH GRAVEL (CL) - light brown (7.5YR 6/4), dry; 80% clay, 15% fine gravel, 5% fine sand.	
12	HAI-11.5				CLAY (CL) - light brown (7.5YR 6/4), moist; 80% clay, 10% silt, 10% fine gravel.	
15						
18	HAI-W				Bottom of boring at 18 feet bgs.	Grab groundwater sample HAI-W, taken at 18 feet bgs.
21						

Gettler-Ryan, Inc.		Log of Boring HA-2	
PROJECT: <i>Chevron Service Station No. 9-0338</i>		LOCATION: <i>5500 Telegraph Avenue, Oakland, California</i>	
PROJECT NO. : <i>DG90338H.4C01</i>		SURFACE ELEVATION:	
DATE STARTED: <i>08/12/02</i>		WL (ft. bgs): <i>13.0</i>	DATE: <i>08/12/02</i> TIME: <i>14:20</i>
DATE FINISHED: <i>08/12/02</i>		WL (ft. bgs):	DATE: TIME:
DRILLING METHOD: <i>3 1/2 in. Hand Auger</i>		TOTAL DEPTH: <i>13.5 feet</i>	
DRILLING COMPANY: <i>Gettler-Ryan</i>		GEOLOGIST: <i>Geoffrey Risse</i>	

DEPTH (feet)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
					Asphalt - 6 inches thick. Base rock - 2.5 feet thick.	Boring backfilled with pea gravel to 6 inch below ground surface, then finish to surface grade with concrete.
3				CL	CLAY (CL) - black (GLEY 2.5/N), moist; 90% clay, 5% silt, 5% fine sand.	
6					Color changes to light brown (7.5YR 6/4), becomes dry; 80% clay, 10% silt, 10% fine sand.	
9					CLAY WITH SAND (CL) - greenish gray (5G 6/1), moist; 80% clay, 15% fine sand, 5% fine gravel.	
12	HA2-12.0				CLAY WITH GRAVEL (CL) - dark brown (7.5YR 3/4), moist; 80% clay, 20% fine gravel.	
	HA2-W			▽	Bottom of boring at 13.5 feet bgs.	Grab groundwater sample HA2-W, taken at 13.5 feet bgs.
15						
18						
21						

Gettler-Ryan, Inc.		Log of Boring HA-3	
PROJECT: <i>Chevron Service Station No. 9-0338</i>		LOCATION: <i>5500 Telegraph Avenue, Oakland, California</i>	
PROJECT NO.: <i>DG90338H.4C01</i>		SURFACE ELEVATION:	
DATE STARTED: <i>08/12/02</i>	WL (ft. bgs): <i>13.0</i>	DATE: <i>08/13/02</i>	TIME: <i>10:42</i>
DATE FINISHED: <i>08/13/02</i>	WL (ft. bgs):	DATE:	TIME:
DRILLING METHOD: <i>3 1/2 in. Hand Auger</i>	TOTAL DEPTH: <i>13.5 feet</i>		
DRILLING COMPANY: <i>Gettler-Ryan</i>	GEOLOGIST: <i>Geoffrey Risse</i>		

DEPTH (feet)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
					Asphalt - 6 inches thick.	
					Base rock - 2.5 feet thick.	Boring backfilled with pea gravel to 6 inch below ground surface, then finish to surface grade with concrete.
3				CL	CLAY (CL) - black (GLE Y 2.5/N), moist, low plasticity; 95% clay, 5% fine sand.	
6					Color changes to dark brown (7.5YR 3/4), becomes dry; 90% clay, 10% fine sand.	
9					CLAY WITH SAND (CL) - greenish gray (5G 6/1), moist, low plasticity; 15% fine to medium sand, 5% silt.	
12	HA3-II				CLAY (CL) - dark brown (7.5YR 3/4), moist; 80% clay, 10% fine gravel, 10% fine sand.	
13.5	HA3-W			∇	Bottom of boring at 13.5 feet bgs.	Grab groundwater sample HA3-W, taken at 13.5 feet bgs.
15						
18						
21						

Gettler-Ryan, Inc.

Log of Boring HA-4

PROJECT: *Chevron Service Station No. 9-0338*

LOCATION: *5500 Telegraph Avenue, Oakland, California*

PROJECT NO.: *D690338H.4C01*

SURFACE ELEVATION:

DATE STARTED: *08/13/02*

WL (ft. bgs): *11.0* DATE: *08/13/02* TIME: *12:00*

DATE FINISHED: *08/13/02*


WL (ft. bgs): DATE: TIME:

DRILLING METHOD: *3 1/2 in. Hand Auger*

TOTAL DEPTH: *11.5 feet*

DRILLING COMPANY: *Gettler-Ryan*

GEOLOGIST: *Geoffrey Risse*

DEPTH (feet)	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	REMARKS
					Asphalt - 6 inches thick.	
					Base rock - 2 feet thick.	
3				CL	CLAY (CL) - bluish black (5PB 2.5/1), moist, low plasticity; 95% clay, 5% silt.	Boring backfilled with pea gravel to 6 inch below ground surface, then finish to surface grade with concrete.
6					CLAY WITH SAND (CL) - greenish gray (5G 6/1), moist; 80% clay, 15% fine sand, 5% fine gravel.	
9					CLAY (CL) - dark brown (7.5YR 3/4), saturated; 80% clay, 10% fine to coarse gravel, 10% fine to medium sand.	
12	HA4-11 HA4-W			∇	Bottom of boring at 11.5 feet bgs.	Grab groundwater sample HA4-W, taken at 11.5 feet bgs.
15						
18						
21						

Field location of boring: (See Plate 2)	Project No.: 7263	Date: 11/13/89	Boring No:
	Client: Chevron Service Station #0338		C-1
	Location: 5500 Telegraph Avenue		
	City: Oakland, California		Sheet 1
	Logged by: R.S.Y.	Driller: Bayland	of 2
Casing installation data:			

Drilling method: Hollow-Stem Auger	Top of Box Elevation: 123.88	Datum: MSL
Hole diameter: 8-inch		

PID (ppm)	Blows/L or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level		Time		Date		Description
								24.5	10.75	11:15	09:08	11-13-89	11-21-89	
				1										PAVEMENT SECTION - 2.0 feet
				2										
				3										
0	100	S&H		4										CLAY with SAND (CL) - very dark brown (10YR 2/2), damp, medium stiff; 15% coarse sand; mottled light brown; brick and wood fragments to 3.0 feet; low plasticity; open voids; no chemical odor.
	150	push	C-1	5										
	200		5.0	6										
				7										
				8										
				9										
0	100	S&H		10										SILT with SAND (ML) - dark yellow brown (10YR 4/6); 15% very fine sand.
	250	push	C-1	11										
	250		10.5	12										
				13										
				14										
0	9	S&H		15										CLAYEY GRAVEL (GC) - gray (7.5YR 6/0), dense, moist; 75% angular gravel; sand stringers; pockets of silt - 2 mm; no chemical odor.
	12		C-1	16										
	14		15.5	17										
				18										
				19										less gravel at 18.0 feet; no chemical odor.

Remarks:



GeoStrategies Inc.

Field location of boring: (See Plate 2)

Project No.: 7263 Date: 11/13/89 Boring No: C-1

Client: Chevron Service Station #0338

Location: 5500 Telegraph Avenue

City: Oakland, California

Logged by: R.S.Y. Driller: Bayland Sheet 2 of 2

Casing installation data:

Drilling method: Hollow-Stem Auger

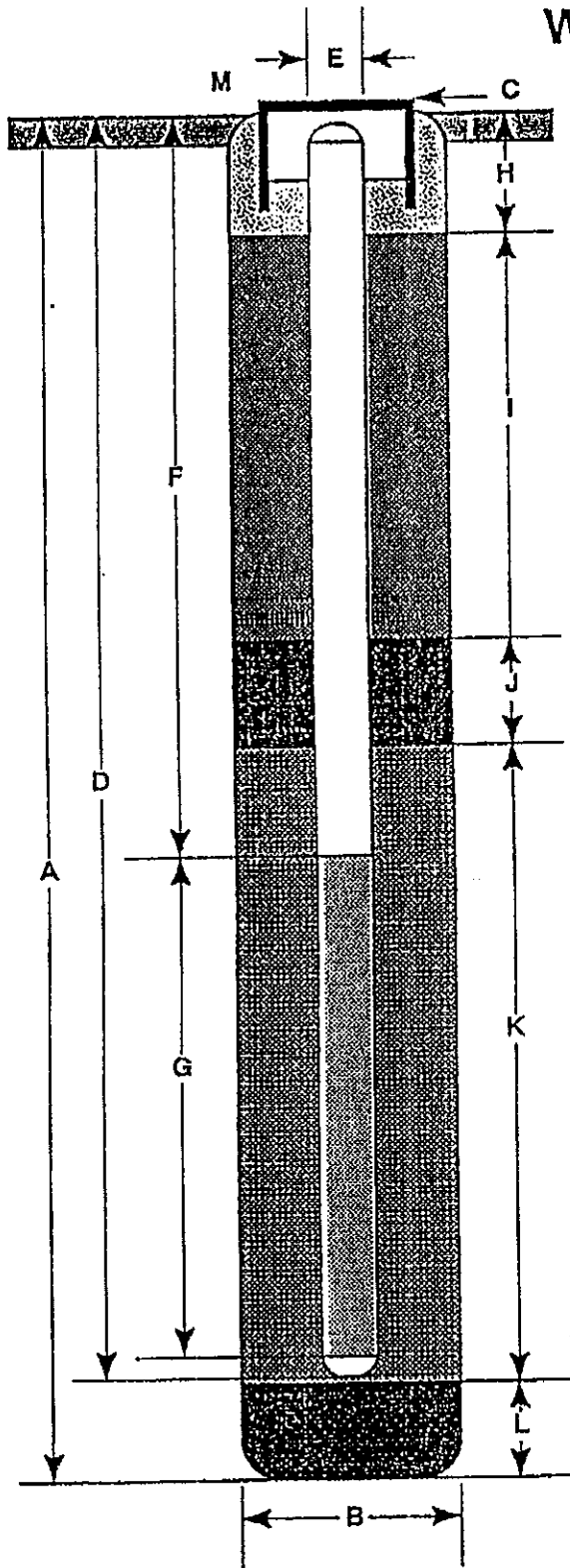
Hole diameter: 8-Inch

Top of Box Elevation: Datum:

PD (ppm)	Blows/ft. or Pressure (psf)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level	Time	Date	Description
0	7	S&H									
	9		C-1	20							
	14		20.5	21							SILTY SAND (SM) - dark yellow brown (10YR 4/6), medium dense, very moist; 80% very fine sand; 20% silt; no chemical odor.
				22							
				23							
				24							
0	4	S&H									
	7		C-1	25							COLOR CHANGE to light gray (7.5YR 6/0), saturated; organic fragments; no chemical odor.
	10		25.5	26							
				27							
				28							
				29							
0	4	S&H									
	11		C-1	30							SANDY CLAY (CL) - dark yellow brown (10YR 4/4), very stiff, moist; 10% well rounded gravels; 30% fine sand; no chemical odor.
	20		30.5	31							
				32							same as above; no chemical odor.
	10	S&H									
	19			33							Bottom of sample at 33.0 feet.
	23			34							Bottom of boring at 33.0 feet.
				35							
				36							
				37							
				38							
				39							

Remarks:

WELL CONSTRUCTION DETAIL



- A Total Depth of Boring 33 ft.
- B Diameter of Boring 8 in.
Drilling Method Hollow-Stem Auger
- C Top of Box Elevation 123.88 ft.
 Referenced to Mean Sea Level
 Referenced to Project Datum
- D Casing Length 30 ft.
Material PVC Schedule 40
- E Casing Diameter 2 in.
- F Depth to Top Perforations 18 ft.
- G Perforated Length 12 ft.
Perforated Interval from 18 to 30 ft.
Perforation Type Machine Slot
Perforation Size 0.020 in.
- H Surface Seal from 0.0 to 1.5 ft.
Seal Material Concrete
- I Backfill from 1.5 to 14 ft.
Backfill Material Cement Grout
- J Seal from 14 to 16 ft.
Seal Material Bentonite Pellets
- K Gravel Pack from 16 to 30 ft.
Pack Material Lonestar #2/12 Sand
- L Bottom Seal 3 ft.
Seal Material Native Material
- M _____

Well Construction Detail

WELL NO.

C-1



GeoStrategies Inc.

JOB NUMBER
7263

REVIEWED BY RQ/CEG

DATE
11/89

REVISED DATE

REVISED DATE

Field location of boring: (See Plate 2)	Project No.: 7263	Date: 11/13/89	Boring No:
	Client: Chevron Service Station #0338	C-2	
	Location: 5500 Telegraph Avenue	Sheet 1	
	City: Oakland, California	of 2	
Logged by: R.S.Y.		Driller: Bayland	
Casing installation data:			

Drilling method: Hollow-Stem Auger	Top of Box Elevation: 124.92	Datum: MSL
Hole diameter: 8-Inch		

PID (ppm)	Blowft. or Pressure (psf)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level		Time		Date		Description
								23.0	10.75	14:10	10:35	11-13-89	11-21-89	
														PAVEMENT SECTION - 0.5 feet
0	100	S&H		1										
	150	push	C-2	5										SILT (ML) - very dark grayish brown (10 YR 3/0), medium stiff, dry; trace very fine sand; rootlets; open voids; no chemical odor.
	250		5.5	6										
				7										
				8										
0	500	S&H		9										
	20		C-2	10										GRAVELLY CLAY (CL) - dark yellow brown (10YR 4/6), hard, moist; 35% angular gravel; 10% fine sand; no chemical odor.
	24		10.5	11										
				12										
				13										
0	9	S&H		14										
	18		C-2	15										same as above; no chemical odor.
	20		15.5	16										
				17										
				18										
				19										

Remarks:

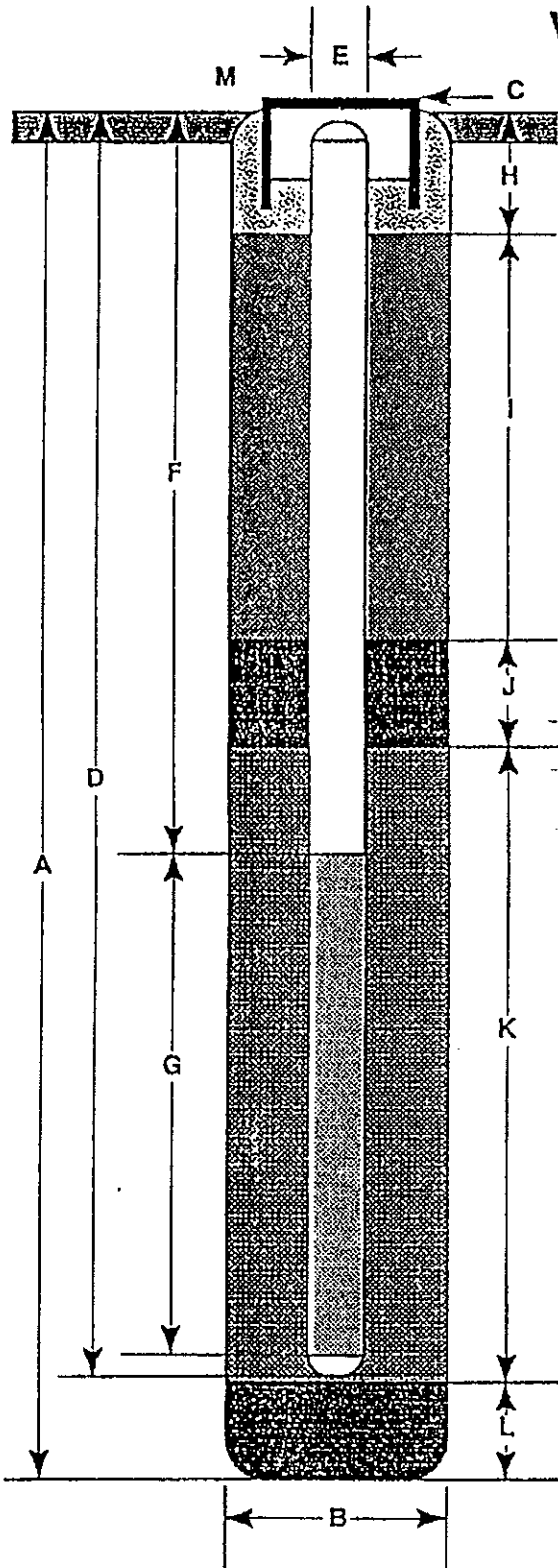
Field location of boring: (See Plate 2)	Project No.: 7263	Date: 11/13/89	Boring No:
	Client: Chevron Service Station #0338		C-2
	Location: 5500 Telegraph Avenue		
	City: Oakland, California		Sheet 2
	Logged by: R.S.Y.	Driller: Bayland	of 2
Casing installation data:			

Drilling method: Hollow-Stem Auger	Top of Box Elevation:	Datum:
Hole diameter: 8-Inch		

PTD (ppm)	Blows/ft. or Pressure (ps)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level				Description
								Time				
								Date				
0	4	S&H		20								
	7		C-2	20								
	18		20.5	21								
				22								
				23								
				24								
0	3	S&H		25								
	3		C-2	25								
	10		25.5	26								
				27								
				28								
				29								
0	7	S&H		30								
	10		C-2	30								
	14		30.5	31								
				32								
	7	S&H		32								
	10			32								
	15			33								
				33								
				34								
				35								
				36								
				37								
				38								
				39								

Remarks:

WELL CONSTRUCTION DETAIL



- A Total Depth of Boring 32.5 ft.
- B Diameter of Boring 8 in.
Drilling Method Hollow-Stem Auger
- C Top of Box Elevation 124.92 ft.
 Referenced to Mean Sea Level
 Referenced to Project Datum
- D Casing Length 28.5 ft.
Material PVC Schedule 40
- E Casing Diameter 2 in.
- F Depth to Top Perforations 10 ft.
- G Perforated Length 18.5 ft.
Perforated Interval from 10 to 28.5 ft.
Perforation Type Machine Slot
Perforation Size 0.020 in.
- H Surface Seal from 0.0 to 1.5 ft.
Seal Material Concrete
- I Backfill from 1.5 to 6 ft.
Backfill Material Cement Grout
- J Seal from 6 to 8 ft.
Seal Material Bentonite Pellets
- K Gravel Pack from 8 to 28.5 ft.
Pack Material Lonestar #2/12 Sand
- L Bottom Seal 4 ft.
Seal Material Native Material
- M _____



GeoStrategies Inc.

Well Construction Detail

WELL NO.

C-2

JOB NUMBER
7263

REVIEWED BY RG/CEG

DATE
11/89

REVISED DATE

REVISED DATE

Field location of boring: (See Plate 2)				Project No.: 7263		Date: 11/13/89		Boring No:			
				Client: Chevron Service Station #0338		Location: 5500 Telegraph Avenue		City: Oakland, California		Sheet 1	
				Logged by: R.S.Y.		Driller: Bayland				of 2	
				Casing installation data:							
				Drilling method: Hollow-Stem Auger		Top of Box Elevation: 125.64		Datum: MSL			
Hole diameter: 8-inch				Water Level		23.5		11.28			
				Time		16:00		09:57			
				Date		11-13-89		11-21-89			
				Description							
				PAVEMENT SECTION - 2.5 feet							
				1							
				2							
				3							
				4							
0		100		S&H							
		100		push		C-3					
		150				5.5					
				6							
				7							
				8							
				9							
0		6		S&H							
		12				C-3					
		18				10.5					
				11							
				12							
				13							
				14							
0		4		S&H							
		6				C-3					
		10				15.5					
				16							
				17							
				18							
				19							
Remarks:											

Log of Boring

BORING NO.

C-3



GeoStrategies Inc.

JOB NUMBER
7263

REVIEWED BY RG/CEG
OMP/CEG 1202

DATE
11/89

REVISED DATE

REVISED DATE

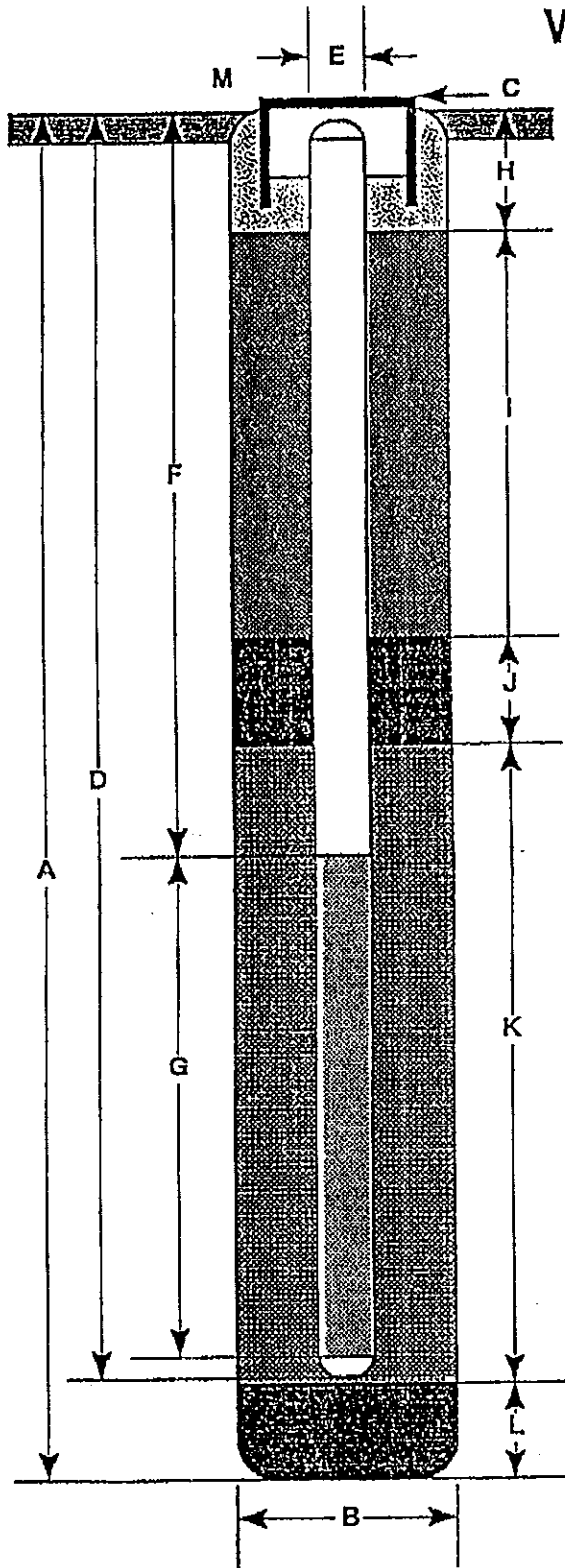
Field location of boring: (See Plate 2)	Project No.: 7263	Date: 11/13/89	Boring No:
	Client: Chevron Service Station #0338		C-3
	Location: 5500 Telegraph Avenue		Sheet 2
	City: Oakland, California		of 2
	Logged by: R.S.Y.	Driller: Bayland	
Casing installation data:			

Drilling method: Hollow-Stem Auger	Top of Box Elevation:	Datum:
Hole diameter: 8-Inch		

P.O. (gpm)	Blows/ft. or Pressure (psi)	Type of Sample	Sample Number	Depth (ft.)	Sample	Well Detail	Soil Group Symbol (USCS)	Water Level				Description	
								Time	Date				
0	3	S&H		20									
	6		C-3	20									
	13		20.5	21									CLAYEY SAND (SC) - dark yellow brown (10YR 4/6), medium dense, very moist; 70% very fine to fine sand; 30% clay; gray staining around black organic fragments; trace rounded gravel; no chemical odor.
				22									
				23									
0	7	S&H		24									
	9		C-3	25									GRAVELLY SAND (SP) - dark yellow brown (10YR 3/4), medium dense, saturated; 70% medium to coarse sand; 25-30% well rounded gravel; 5% fines; no chemical odor.
	9		25.5	26									
				27									
				28									stiffer at 27.5 feet
				29									
0	7	S&H		30									SANDY CLAY with GRAVEL (CL) - dark yellow brown (10YR 4/6), very stiff, moist; 35-40% medium to coarse sand; 15% gravel; no chemical odor.
	13		C-3	30									
	17		30.5	31									
	7	S&H		32									
	10			32									
	15			33									Bottom of sample at 32.5 feet. Bottom of boring at 32.5 feet.
				34									
				35									
				36									
				37									
				38									
				39									

Remarks:

WELL CONSTRUCTION DETAIL



- A Total Depth of Boring 32.5 ft.
- B Diameter of Boring 8 in.
Drilling Method Hollow-Stem Auger
- C Top of Box Elevation 125.64 ft.
 Referenced to Mean Sea Level
 Referenced to Project Datum
- D Casing Length 28.5 ft.
Material PVC Schedule 40
- E Casing Diameter 2 in.
- F Depth to Top Perforations 10 ft.
- G Perforated Length 18.5 ft.
Perforated Interval from 10 to 28.5 ft.
Perforation Type Machine Slot
Perforation Size 0.020 in.
- H Surface Seal from 0.0 to 1.5 ft.
Seal Material Concrete
- I Backfill from 1.5 to 6 ft.
Backfill Material Cement Grout
- J Seal from 6 to 8 ft.
Seal Material Bentonite Pellets
- K Gravel Pack from 8 to 28.5 ft.
Pack Material Lonestar #2/12 Sand
- L Bottom Seal 4 ft.
Seal Material Native Material
- M _____

Well Construction Detail

WELL NO.



GeoStrategies Inc.

C-3

JOB NUMBER
7263

REVIEWED BY RG/CEG

DATE
11/89

REVISED DATE

REVISED DATE

Gettler-Ryan, Inc.

Log of Boring C-5

PROJECT: Chevron SS #9-0338

LOCATION: 5500 Telegraph Avenue, Oakland, CA.

GR PROJECT NO.: 346456.02

SURFACE ELEVATION: 124.15ft. MSL

DATE STARTED: 05/12/99

WL (ft. bgs): 13.0 DATE: 05/12/99 TIME: 11:20

DATE FINISHED: 05/12/99

WL (ft. bgs): 8.6 DATE: 05/12/99 TIME: 17:15

DRILLING METHOD: 8 in. Hollow Stem Auger

TOTAL DEPTH: 21.5 Feet

DRILLING COMPANY: Bay Area Exploration Inc.

GEOLOGIST: Barbara Sieminski

DEPTH feet	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
							PAVEMENT - Concrete over baserock	
5	0	7	C5-6			CL	CLAY (CL) - black (10YR 2/1), moist, medium stiff, low to medium plasticity; 90% clay, 10% fine sand.	
						CL	SANDY CLAY (CL) - brown (10YR 5/3), moist, medium stiff, low plasticity; 60% clay, 40% fine to coarse sand, trace fine gravel.	
10	11	11	C5-11			CL/GC	GRAVELLY CLAY (CL/GC) - yellowish brown (10YR 5/4) mottled greenish gray (5GY 5/1), damp, stiff, low plasticity; 45% clay, 40% subrounded fine to coarse gravel, 15% fine to coarse sand.	
15	0	18	C5-16			GC/SC	CLAYEY GRAVEL WITH SAND (GC/SC) - yellowish brown (10YR 5/6), saturated, medium dense; 30-50% subrounded fine to coarse gravel, 30-40% fine to coarse sand, 30% clay.	
20	0	21	C5-21			CL-ML	SILTY CLAY (CL-ML) - pale olive (5Y 6/3) mottled brownish yellow (10YR 8/6), moist, very stiff, low plasticity; 50% clay, 40% silt, 10% fine sand.	
25							Bottom of boring at 21.5 feet. (* = converted to equivalent standard penetration blows/ft.)	

Gettler-Ryan, Inc.

Log of Boring C-4

PROJECT: Chevron SS #9-0338

LOCATION: 5500 Telegraph Avenue, Oakland, CA.

GR PROJECT NO.: 346456.02

SURFACE ELEVATION: 125.40ft. MSL

DATE STARTED: 05/12/99

WL (ft. bgs): 13.0 DATE: 05/12/99 TIME: 10:20

DATE FINISHED: 05/12/99

WL (ft. bgs): 12.8 DATE: 05/12/99 TIME: 17:15

DRILLING METHOD: 8 in. Hollow Stem Auger

TOTAL DEPTH: 21.5 Feet

DRILLING COMPANY: Bay Area Exploration Inc.

GEOLOGIST: Barbara Sieminski

DEPTH feet	PIID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
							PAVEMENT - Concrete over baserock	
5	0	6	C4-6		[Hatched pattern]	CL	SANDY CLAY (CL) - very dark brown (10YR 2/2), moist, medium stiff, low plasticity; 40% clay, 30% silt, 30% fine to coarse sand, trace fine gravel.	
10	0	19	C4-11		[Hatched pattern]	GC/CL	CLAYEY GRAVEL (GC/CL) - brownish yellow (10YR 6/8), moist, medium dense, 50% subrounded fine to coarse gravel, 40% clay, 10% fine to coarse sand.	
15	0	14	C4-18		[Hatched pattern]	GC/SC	CLAYEY GRAVEL WITH SAND (GC/SC) - yellowish brown (10YR 5/4), saturated, medium dense; 40% subrounded fine to coarse gravel, 30% clay, 30% fine to coarse sand.	
20	0	18	C4-21		[Hatched pattern]	CL-ML	SILTY CLAY (CL-ML) - pale olive (5Y 6/3) mottled brownish yellow (10YR 6/6), moist, very stiff, low plasticity; 50% clay, 40% silt, 10% fine sand.	
21.5							Bottom of boring at 21.5 feet.	
25							(* = converted to equivalent standard penetration blows/ft.)	
30								
35								

Gettler-Ryan, Inc.

Log of Boring C-2A

PROJECT: *Chevron SS #9-0338*

LOCATION: *5500 Telegraph Avenue, Oakland, CA.*

GR PROJECT NO.: *346456.02*

SURFACE ELEVATION: *125.89ft. MSL*

DATE STARTED: *05/12/99*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *05/12/99*

WL (ft. bgs): *9.4* DATE: *05/12/99* TIME: *17:20*

DRILLING METHOD: *8 in. Hollow Stem Auger*

TOTAL DEPTH: *20.0 Feet*

DRILLING COMPANY: *Bay Area Exploration Inc.*

GEOLOGIST: *Barbara Sieminski*

DEPTH feet	P/D (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
5							<p>Not sampled. Well C-2A replaced well C-2. Well C-2 was drilled out to 31 feet. The boring was backfilled with bentonite to 20 feet bgs, then well C-2A was installed in the hole.</p>	
10								
15								
20								
25								
30								
35							Bottom of boring at 31.0 feet.	

Gettler-Ryan, Inc.

Log of Boring C-1A

PROJECT: *Chevron SS #9-0338*

LOCATION: *5500 Telegraph Avenue, Oakland, CA.*

GR PROJECT NO.: *346456.02*

SURFACE ELEVATION: *123.27ft. MSL*

DATE STARTED: *05/12/99*

WL (ft. bgs): DATE: TIME:

DATE FINISHED: *05/12/99*

WL (ft. bgs): *8.2* DATE: *05/12/99* TIME: *17:20*

DRILLING METHOD: *8 in. Hollow Stem Auger*

TOTAL DEPTH: *19.5 Feet*

DRILLING COMPANY: *Bay Area Exploration Inc.*

GEOLOGIST: *Barbara Sieminski*

DEPTH feet	PTD (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
5							<p>Not sampled. Well C-1A replaced well C-1. Well C-1 was drilled out to 31 feet. The boring was backfilled with bentonite to 19.5 feet bgs, then well C-1A was installed in the hole.</p>	
10								
15								
20								
25								
30								
35							<p>Bottom of boring at 31.0 feet.</p>	

ATTACHMENT B

Gettler-Ryan's Well Survey Results

TABLE 1 - DWR Well Search Results

Chevron Service Station No. 9-0338

5500 Telegraph Avenue

Oakland, California

Map ID	Well Owner	Well Location	Well Use	State Well Number	Year Installed
1	Pacific Gas & Electric	Clifton and Claremont	Cathodic	01S04W13M80	1975
2	Pacific Rim Development	51st St and Telegraph Ave	2 MWs	01S04W14R03,02	1987
3	Oakland Shopping Center	49th St and Telegraph Ave	Test Wells	01S04W14R	1987
4	Children's Hospital	747 52nd St	Test Wells	01S04W14R	1987
5	Chevron USA	5101 Telegraph Ave	5 MWs	01S04W14R4,5,6,7	1990
6	Berkeley Farms Land Co.	Corner of 51st St and Telegraph Ave	5 MWs	01S04W14R8-12	1991
7	Children's Hospital	747 52nd St	Irrigation	01S04W14R13	1992
8	Arco Products Co.	5131 Shattuck Ave	7 MWs	01S04W14R14-20	1993

Notes

MWs = monitoring wells

Data obtained from Department of Water Resources files in Sacramento on June 25, 2001

Table 2. Historical Grab-groundwater Data - Chevron Station 9-0338, Oakland, California

Sample ID	Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	ETBE	DIPE	TAME	TBA
Concentrations in parts micrograms per liter(µ.)											
W-1	6/30/1998	<50	<0.5	<0.5	<0.5	<0.5	15,000				
HA1-W	8/13/2002	<50	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<5.0
HA2-W	8/13/2002	<50	<0.5	<0.5	<0.5	<1.5	37	<0.5	<0.5	<0.5	<5.0
HA3-W	8/13/2002	<50	<0.5	<0.5	<0.5	<1.5	4	<0.5	<0.5	<0.5	<5.0
HA4-W	8/13/2002	<50	<0.5	<0.5	<0.5	<1.5	<0.5	<0.5	<0.5	<0.5	<5.0

Analytical Methods

TPHg = Total petroleum hydrocarbons as gasoline according to EPA method 8015 modified / LUFT methods

Benzene, toluene, ethylbenzene, xylenes by EPA method 8260B

MTBE = Methyl tertiary butyl ether according to EPA method 8260B

ETBE= Ethyl tert-butyl ether by EPA Method 8260B

DIPE= di-Isopropyl ether by EPA Method 8260B

TAME= tert-amyl methyl ether by EPA Method 8260B

TBA= tert-butyl alcohol by EPA Method 8260B

Table 1. Historical Soil Data - Chevron Station 9-0338, Oakland, California

Soil Sample ID	Date	Depth	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	TPHd	O&G	Lead
Concentrations in parts per million (mg/kg) unless otherwise noted											
Used-Oil Tank Excavation											
WOOP	10/5/1988	8	--	--	--	--	--	--	<10	<50	--
Pump Island and Product Line Excavation											
1	7/11/1989	6.75	<1	<0.05	<0.1	<0.1	<0.1	--	--	--	--
2	7/11/1989	6.75	130	<0.05	<0.1	2.2	3	--	--	--	--
3	7/11/1989	6.25	<1	<0.05	<0.1	<0.1	<0.1	--	--	--	--
4	7/11/1989	6.25	490	0.31	<0.1	10	28	--	--	--	--
Monitoring Wells											
C-1	11/13/1989	10.5	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--
C-1	11/13/1989	15.5	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--
C-1	11/13/1989	25.5	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--
C-2	11/13/1989	10.5	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--
C-2	11/13/1989	15.5	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--
C-2	11/13/1989	25.5	<1	<0.05	<0.05	<0.05	<0.05	--	--	--	--
C-3	11/13/1989	10.6	<1	<0.05	<0.05	<0.05	<0.05	--	<10	<20	--
C-3	11/13/1989	16.6	<1	<0.05	<0.05	<0.05	<0.05	--	<10	<20	--
C-3	11/13/1989	25.5	<1	<0.05	<0.05	<0.05	<0.05	--	<10	<20	--
Used-Oil UST Excavation											
CW-1	7/22/1988	9	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	<1.0	130	<1.0
Former Gasoline UST Complex Excavation											
CX-1	7/22/1988	8	<1.0	0.013	0.0058	0.044	0.057	0.46	--	--	6.1
CX-2	7/22/1988	9	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.28	--	--	6.8
CX-3	7/22/1988	9	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.21	--	--	5.1
CX-4	7/22/1988	9	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.74	--	--	3.3
CX-5	7/22/1988	9	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	6.4
CX-6	7/22/1988	8	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.31	--	--	6.2
Hydraulic Lifts/Sand-Water Separator Excavations											
CT-3	7/27/1988	9	1.8 ¹	<0.0050	<0.0050	<0.0050	<0.0050	<0.50	2000 ²	2500	<1.0
Product Lines											
CT-1	7/27/1988	3.5	<1.0	<0.0050	<0.0050	<0.0050	0.012	<0.050	--	--	<1.0
CT-2	7/27/1988	3.5	<1.0	<0.0050	<0.0050	<0.0050	0.0057	<0.050	--	--	2.8
CT-3	7/27/1988	4	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	1
CT-4	7/27/1988	4	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	<1.0
CT-5	7/27/1988	4	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	<1.0
Monitoring Wells											
C4	5/12/1999	6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--
C4	5/12/1999	11	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--
C4	5/12/1999	16	--	--	--	--	--	--	--	--	--
C5	5/12/1999	6	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050	--	--	--
C5	5/12/1999	11	1.3	0.017	<0.0050	<0.0050	0.012	0.1	--	--	--
Hand Augers											
HA1	8/12/2002	11.5	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--
HA2	8/12/2002	12	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--
HA3	8/13/2002	11	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--
HA4	8/13/2002	11	<1.0	<0.0050	<0.0050	<0.0050	<0.015	<0.050	--	--	--

Analytical Laboratory
Sequia Analytical (ELAP #1271)
Lancaster Laboratories (ELAP #2116)

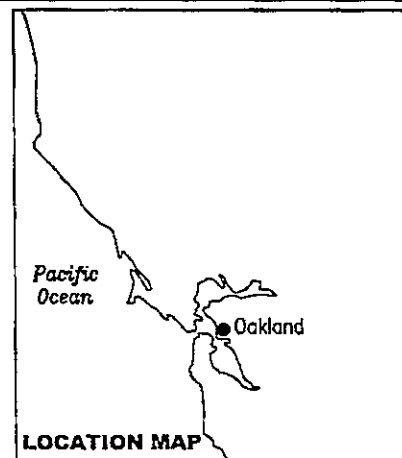
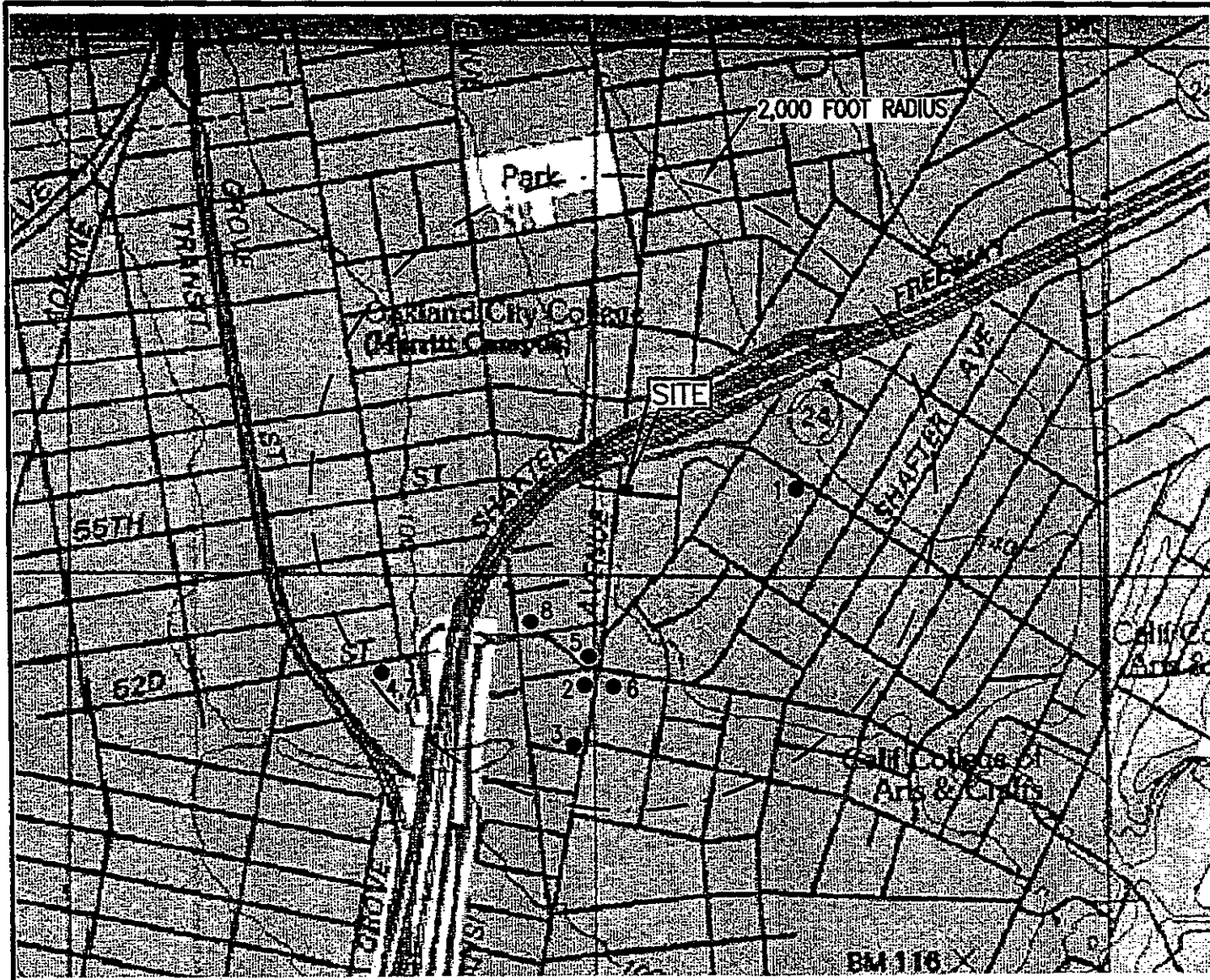
Analytical Methods
TPHg = Total petroleum hydrocarbons as gasoline according to EPA method 8015 modified / LUFT methods
TPHd = Total petroleum hydrocarbons as diesel according to EPA method 8015 modified
TPHho = Total petroleum hydrocarbons as hydraulic oil according to EPA method 8015 modified
MTBE = Methyl tertiary butyl ether according to EPA method 8020/8021B
O&G = Total oil and grease according to standard methods 5520 E & F
VOCs = volatile organic compounds according to EPA method 8240 or 8010
SVOCs = semi-volatile organic compounds according to EPA method 8270
TPHg, benzene, toluene, ethylbenzene, xylenes, MTBE = EPA methods 5030/8015/8020
Porosity, densities = method API RP-40
BTEX by EPA 8021B

Explanation

ppm = parts per million
ppb = parts per billion
ND = not detected
-- = analysis not requested
1 = unidentified hydrocarbons <C8
2 = Unidentified hydrocarbon <C13
3 = none of the constituent analytes were detected. Refer to analytical results
4 = unidentified hydrocarbon <C18
5 = Numerous SVOC constituents were detected in the sample. Refer to the chemical analytical data for constituents and individual concentrations
ft = feet
gm/cc = gram per cubic centimeter

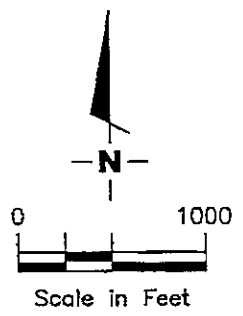
ATTACHMENT C

Trend Graphs for Monitoring Wells C-1A and C-5



EXPLANATION

- Well Location



Source: National Geographic California Seamless USGS Topographic Maps on CD-ROM.

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

WELL SEARCH MAP
 Chevron Service Station No. 9-0338
 5500 Telegraph Avenue
 Oakland, California

FIGURE
3

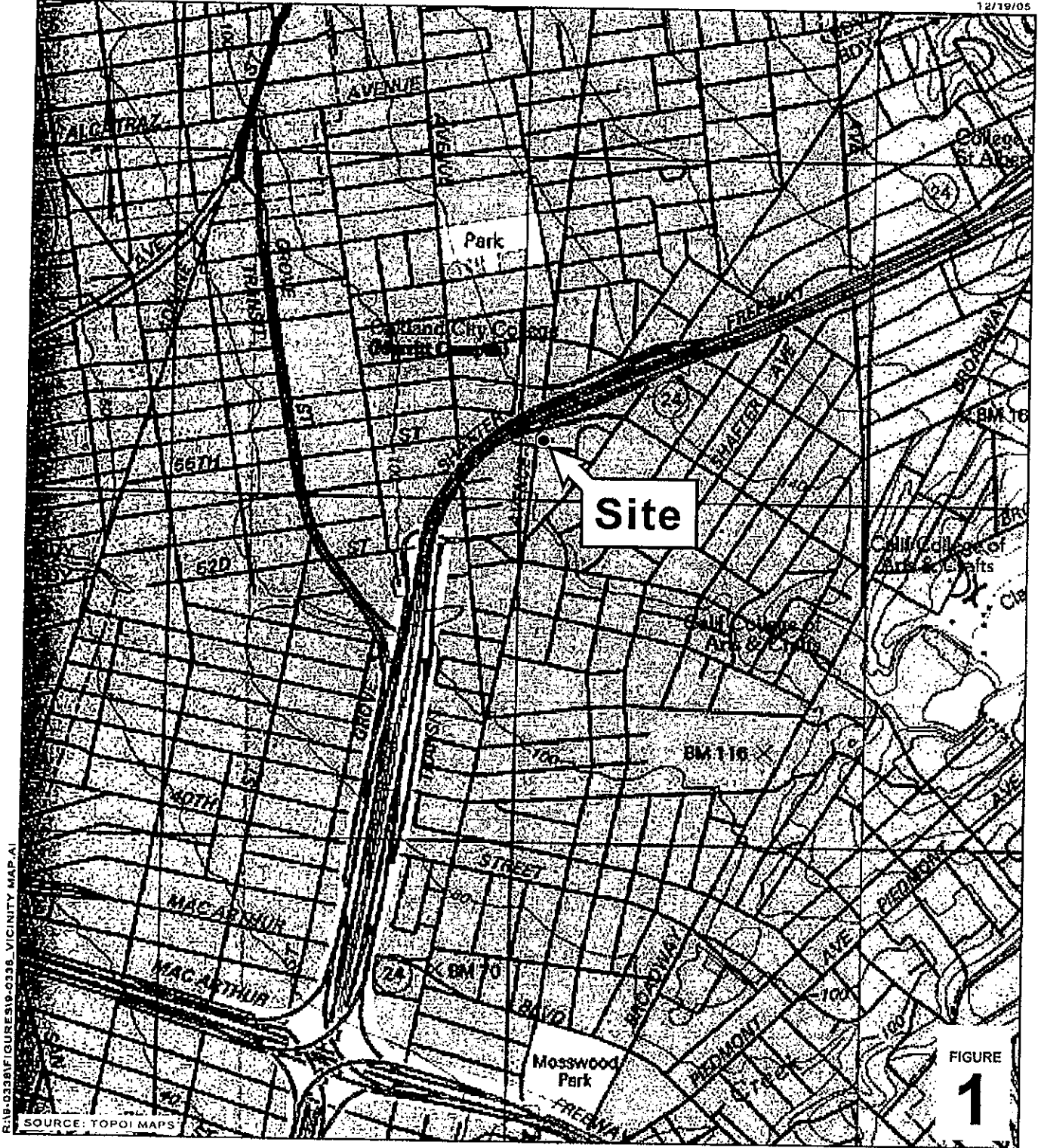
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 DG90338B.3C01

REVIEWED BY

DATE
 7/01

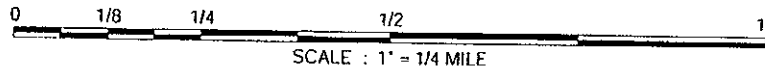
REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\9-0338\VIC-9-0338.DWG | Layout Tab: Well Search 7-01



R:19-0338(FIGURES)19-0338_VICINITY MAP.A1

SOURCE: TOPOI MAPS

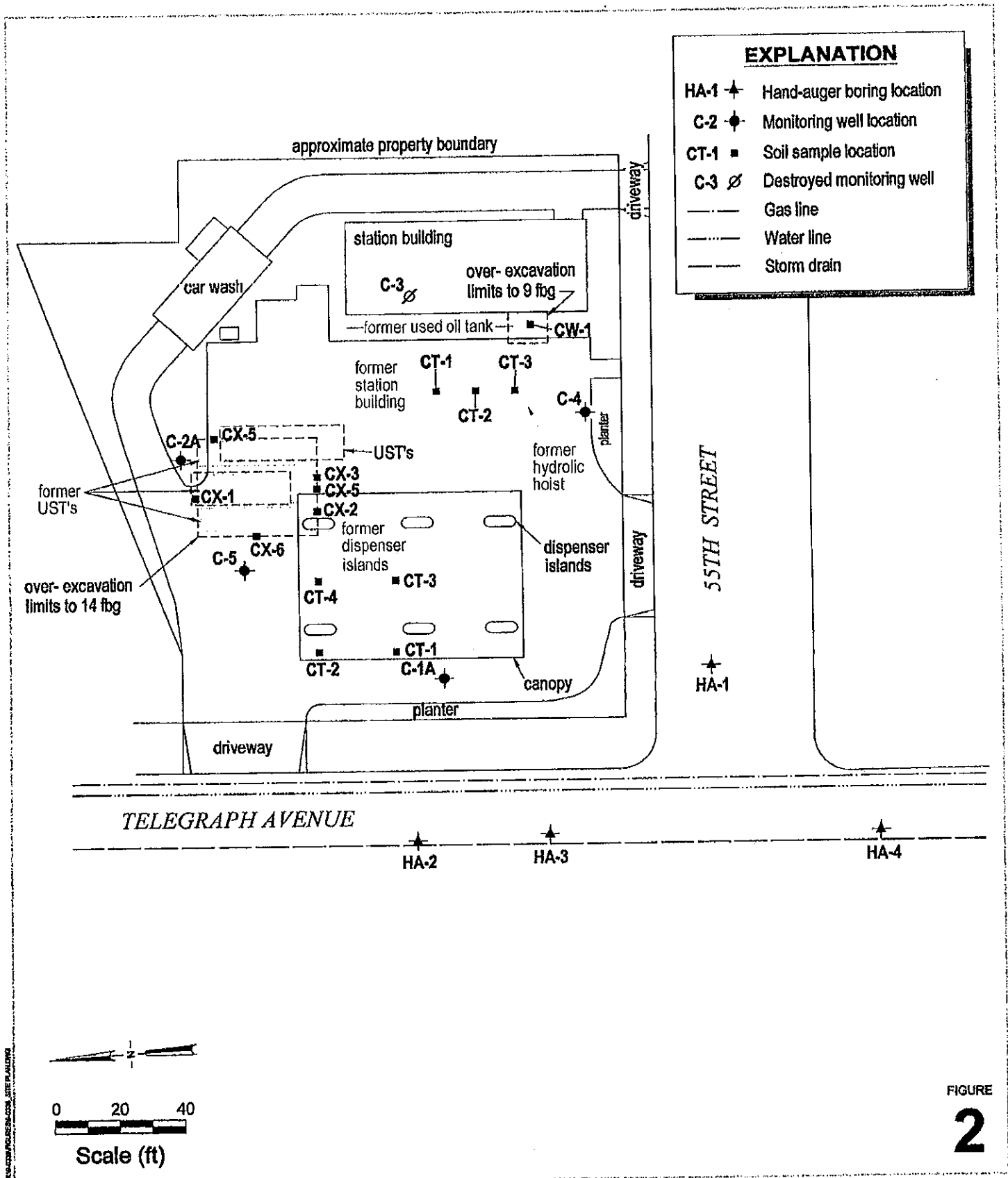


Chevron Service Station 9-0338
 5500 Telegraph Avenue
 Oakland, California



C A M B R I A

Vicinity Map



Chevron Service Station #9-0338

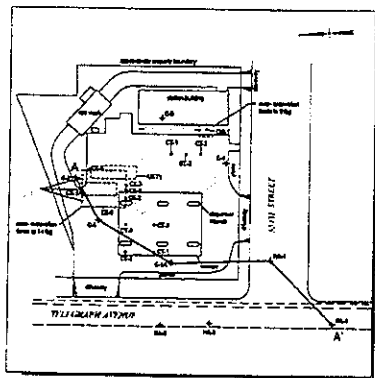
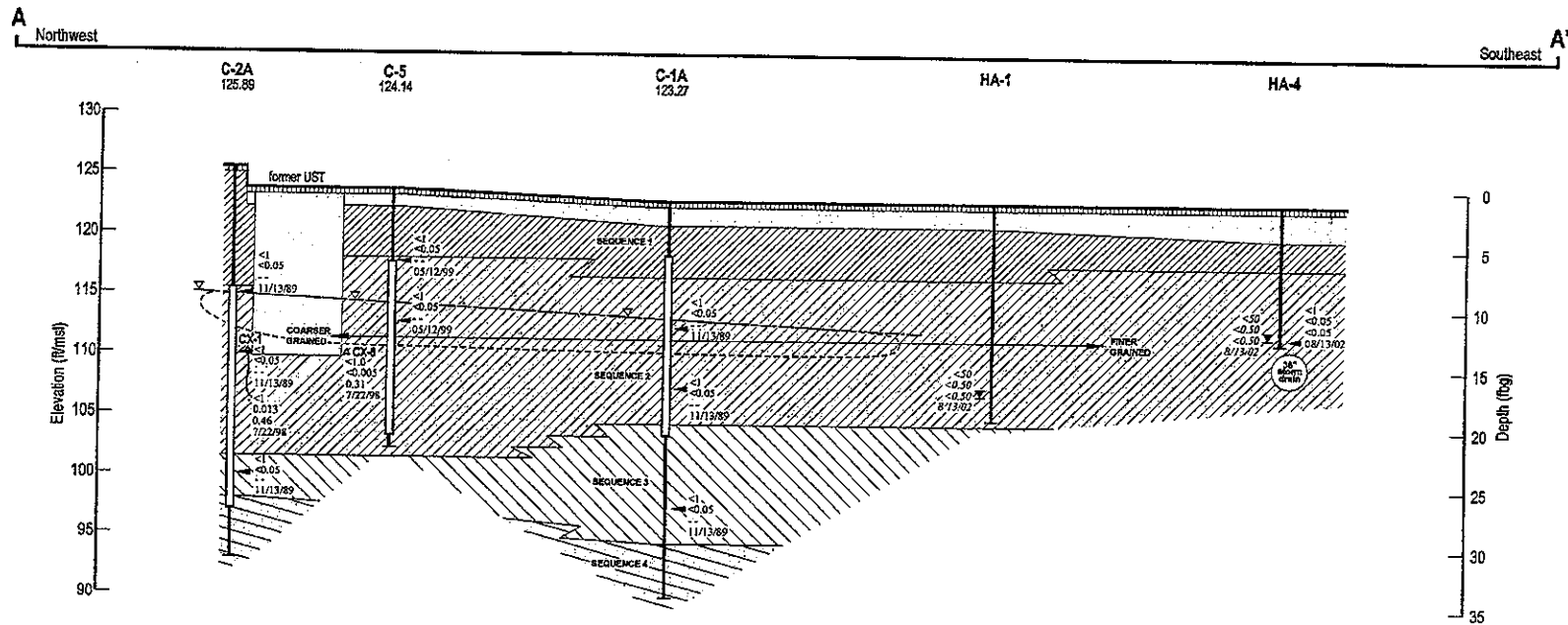
5500 Telegraph Avenue

Oakland, California



C A M B R I A

Site Plan



EXPLANATION

	Sequence 1 - Clay and Silt with Sand	Well ID — Well Designation
	Sequence 2 - Clayey Gravel and Gravelly Clay to Clay with Sand and Gravel	Elev. — Top of Casing Elevation
	Sequence 3 - Silty Sand	
	Sequence 4 - Sandy Clay with Gravel	
	= Fill (Tank Pit)	
	= Asphalt	CX-1 ▲ UST Excavation samples
	Extent MTBE Plume on 8/31/05	∇ Depth of Groundwater on 8/31/05
	Water Table on 8/31/05	∇ Depth of Groundwater
	Approximate sample location	
TPH₄	Hydrocarbon concentrations in Soil, in parts per million	TPH₄
Benzene		Benzene
MTBE		MTBE
DATE		DATE

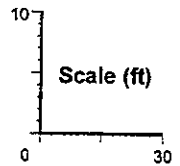
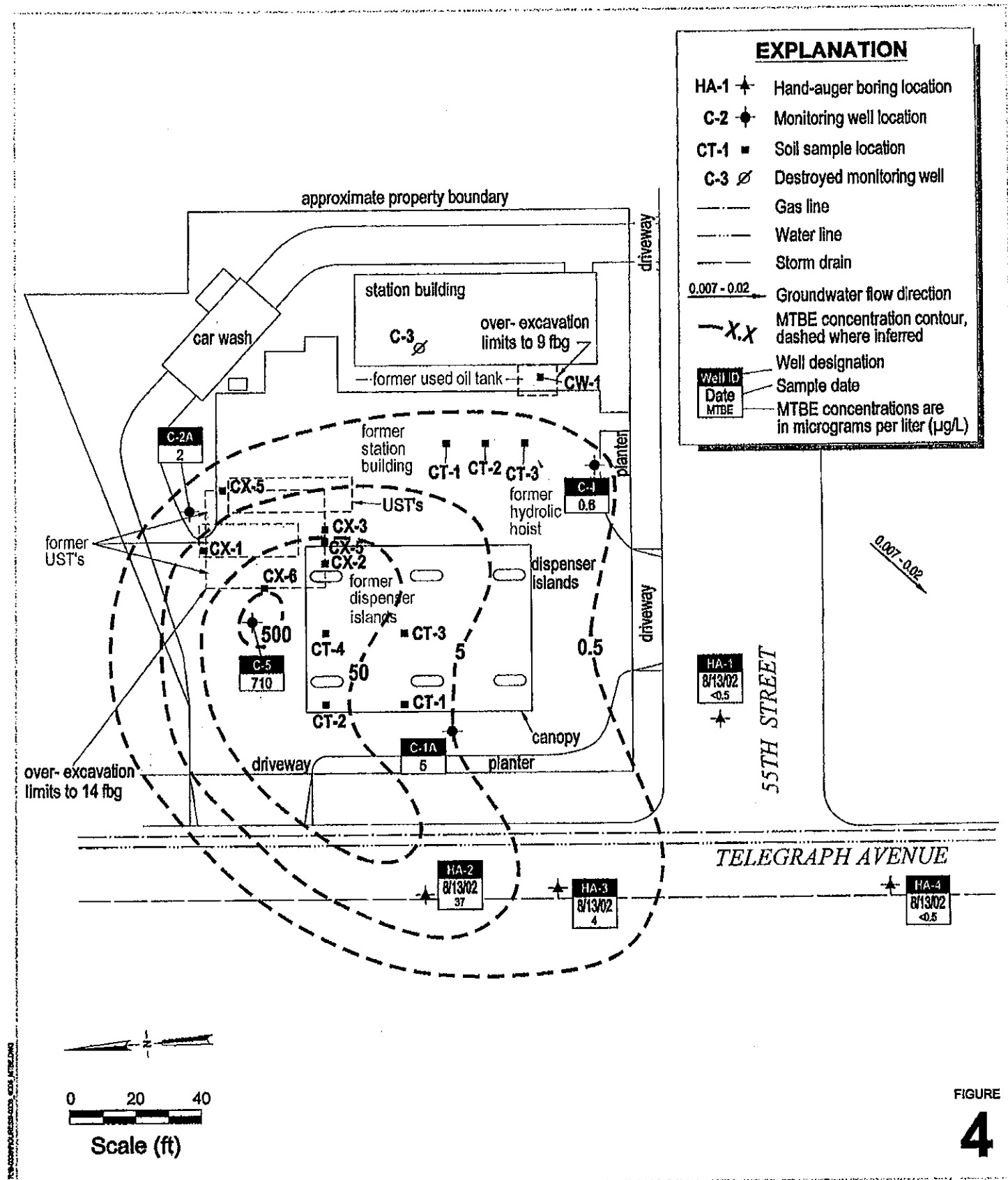


FIGURE
3



EXPLANATION

- HA-1 + Hand-auger boring location
- C-2 • Monitoring well location
- CT-1 ■ Soil sample location
- C-3 ∅ Destroyed monitoring well
- Gas line
- Water line
- Storm drain
- 0.007 - 0.02 → Groundwater flow direction
- X.X MTBE concentration contour, dashed where inferred
- Well ID
- Date
- MTBE
- MTBE concentrations are in micrograms per liter (µg/L)

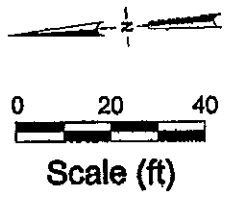


FIGURE
4

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



C A M B R I A

MTBE Isoconcentration Map

August 31, 2005

ATTACHMENT D

**Gettler-Ryan's Third Quarter 2005 Groundwater Monitoring and
Sampling Report**

Well C-5 Linear Attenuation Rates
Chevron Service Station #9-0338
5500 Telegraph Avenue, Oakland, California

