



**CONESTOGA-ROVERS
& ASSOCIATES**

RECEIVED

1:19 pm, Nov 24, 2008

Alameda County
Environmental Health

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

November 14, 2008

Reference No. 311972

Mr. Steven Plunkett
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Third Quarter 2008 Groundwater Monitoring Report
Chevron Service Station 9-9708
5910 MacArthur Boulevard
Oakland, California
Fuel Leak Case No. RO0000124

Dear Mr. Plunkett:

Conestoga-Rovers & Associates is submitting the attached *Groundwater Monitoring and Sampling Report* for the site referenced above on behalf of Chevron Environmental Management Company (Chevron). The report prepared by Gettler-Ryan Inc. (G-R) and dated October 23, 2008, presents the results of the Third Quarter 2008 sampling and monitoring event. Also attached are Figure 1 (Vicinity Map) and Figure 2 (Concentration Map) presenting the third quarter 2008 analytical results and groundwater flow direction data. A perjury letter from Chevron and Professional Geologist stamp are included within the G-R report.

Please contact Charlotte Evans at (510) 420-3351 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Charlotte Evans

CE/doh/1
Enc.

cc: Mr. Ian Robb, Chevron Environmental Management Company

Equal
Employment
Opportunity Employer

FIGURES

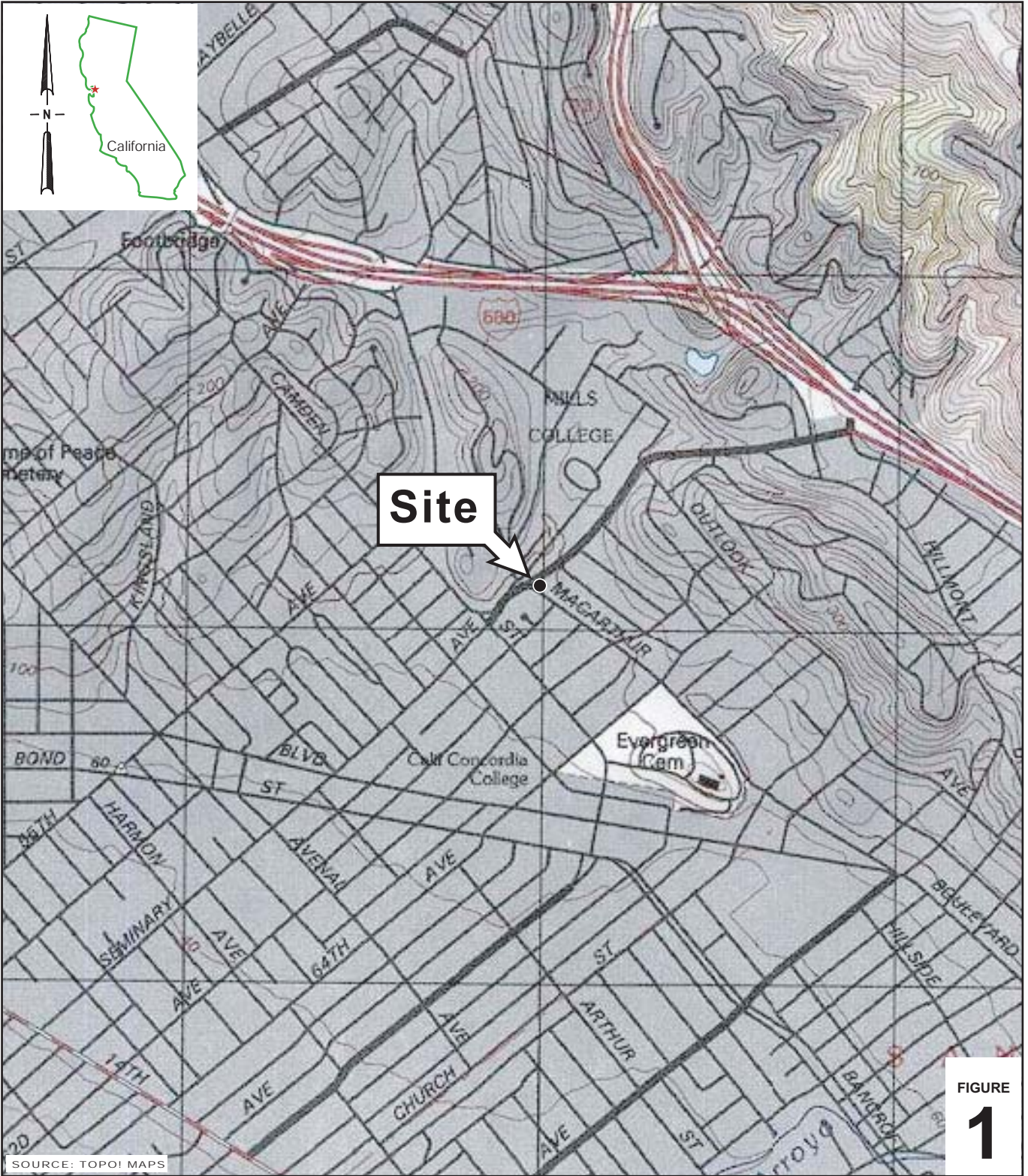


FIGURE 1

I:\Chevron\3119--1311972_9-9708 Oakland\311972 Pre-September 2008\Figures\9-9708_VICINITY_MAP_A1

SOURCE: TOPOI MAPS

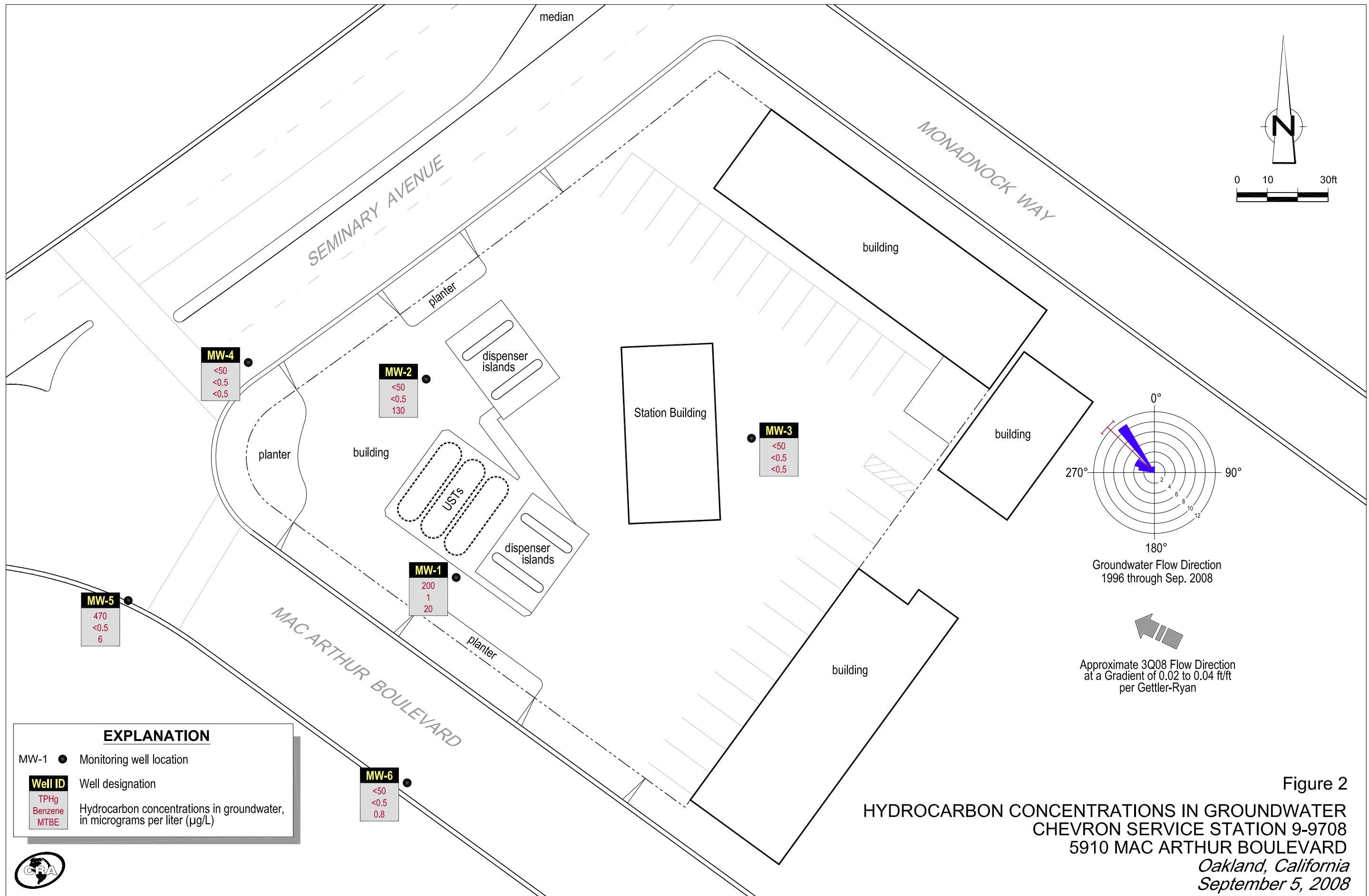
0 1/8 1/4 1/2 1
SCALE : 1" = 1/4 MILE

Chevron Service Station 9-9708
5910 Mac Arthur Boulevard
Oakland, California



CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map



G-R Third Quarter, 2008 Quarterly Monitoring Report
October 23, 2008



GETTLER - RYAN Inc.



TRANSMITTAL

October 23, 2008

G-R #386395

TO: Ms. Charlotte Evans
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608

CC: Mr. Ian Robb
Chevron Environmental
Management Company
6111 Bollinger Canyon Road
Room 3612
San Ramon, California 94583
(VIA PDF)

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
RO 0000124**

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	October 17, 2008	Groundwater Monitoring and Sampling Report Third Quarter Event of September 5, 2008

COMMENTS:

Pursuant to your request, we are providing you with a copy of the above referenced report for **your use and distribution to the following (via PDF):**

Mr. Steven Plunkett, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577 (Distributed by CRA via PDF)

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **November 5, 2008**, at which time this final report will be distributed to the following:

cc: Mr. Nisson Saidion, 5910 MacArthur Boulevard, Oakland, CA 94605

Enclosures



Ian Robb
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9496
Fax (925) 842-8370
ianrobb@chevron.com

October 23, 2008

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

RE: Chevron Service Station # 9-9708

Address 5910 MacArthur Blvd., Oakland, California

I have reviewed the attached routine groundwater monitoring report dated October 23, 2008.

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,

A handwritten signature in black ink, appearing to read "I. Robb", written over a light blue horizontal line.

Ian Robb

Attachment: Report

WELL CONDITION STATUS SHEET

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

Job # 386395
 Event Date: 9.5.07
 Sampler: Joe

WELL ID	Vault Frame Condition	Gasket/O-Ring (M)missing	BOLTS (M) Missing (R) Replaced	Bolt Flanges B= Broken S= Stripped R=Retap	APRON Condition C=Cracked B=Broken G=Gone	Grout Seal (Deficient) inches from TOC	Casing (Condition prevents tight cap seal)	REPLACE LOCK Y/N	REPLACE CAP Y/N	WELL VAULT Manufacture/Size/ # of Bolts	Pictures Taken Yes / No
MW-1	O.K	O-ring m	O.K	O.K	O.K	O.K	O.K	N	N	8" Boss-t-longg./2	NO
MW-2	↓	O-ring m		All (S)	O.K		O.K	↓	↓	"	↓
MW-3	↓	O.K		All (S)	C		Can't secure plug & padlock. TOC too close	↓	↓	"	↓
MW-4	↓	↓		O.K	O.K		O.K	↓	↓	6" Morrison/2	↓
MW-5	Box below grade	↓		↓	↓		↓	↓	↓	8" Morrison/2	↓
MW-6	O.K	↓	↓	↓	↓	↓	↓	↓	↓	"	↓

Comments Installed O-ring I had in my truck on MW-3.



GETTLER - RYAN INC.



October 17, 2008
G-R Job #386395

Mr. Ian Robb
Chevron Environmental Management Company
6111 Bollinger Canyon Road, Room 3612
San Ramon, CA 94583

RE: Third Quarter Event of September 5, 2008
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

Dear Mr. Robb:

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.

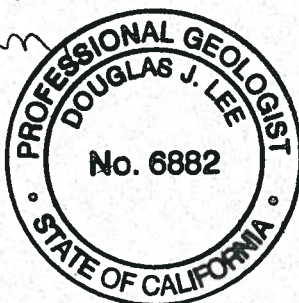
Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

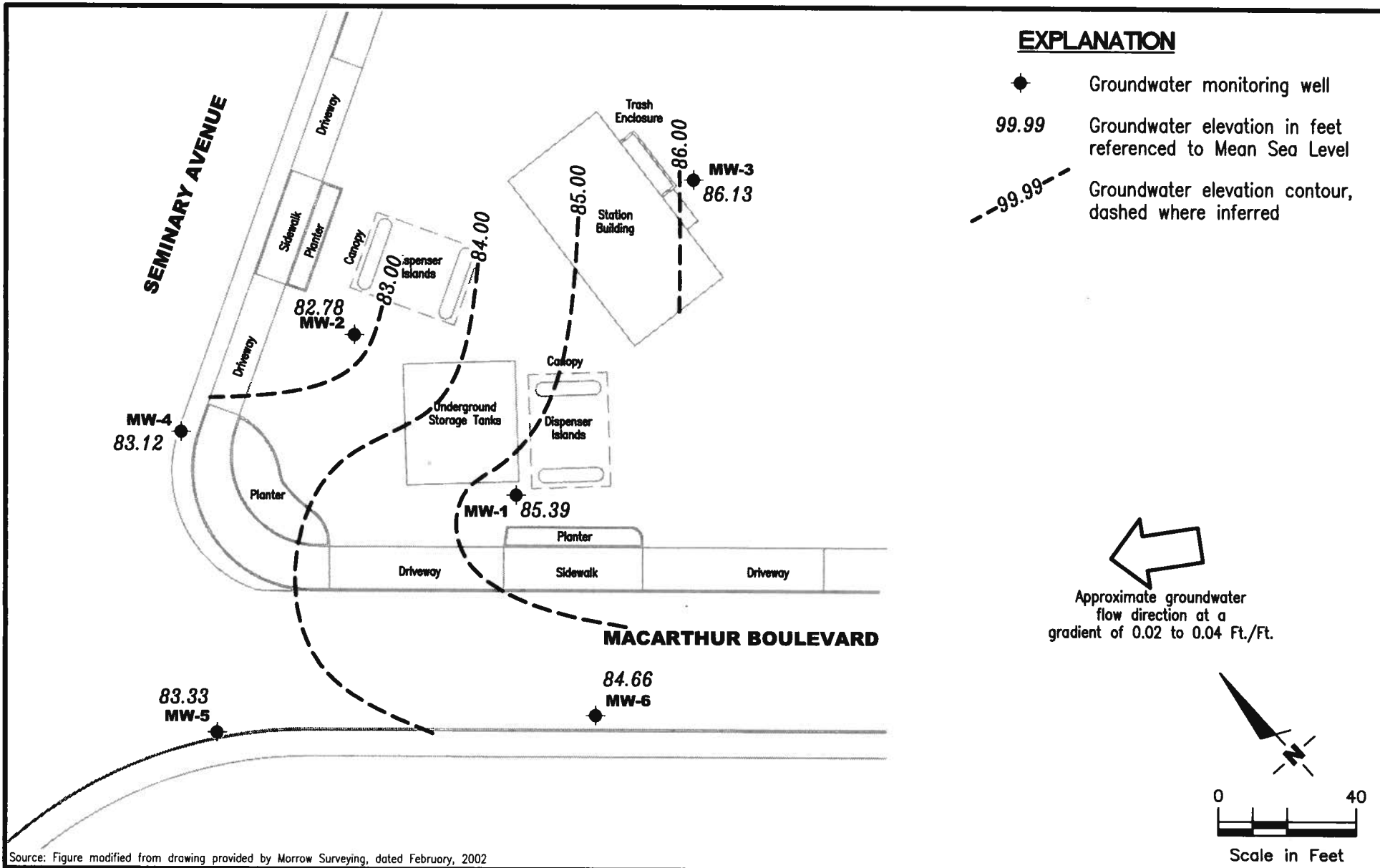
Sincerely,

Deanna L. Harding
Project Coordinator

Douglas J. Lee
Senior Geologist, P.G. No. 6882



- 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 Court, 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 September 8, 2008	REVISED DATE
---------------------------------	-------------	---------------------------	--------------

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

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	1,2-DCB♦ (µg/L)	1,2-DCA♦ (µg/L)	HVOCs♦ (µg/L)
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	97.52	85.21	12.31	--	53	3	<0.5	<0.5	<0.5	580	<50	--	--	--
12/15/03 ¹¹	97.52	86.35	11.17	--	<50	<0.5	0.7	<0.5	0.8	410	<50	--	--	--
03/05/04 ¹¹	97.52	86.09	11.43	--	760	110	2	12	2	460	<50	--	--	--
06/18/04 ¹¹	97.52	85.40	12.12	--	1,400	200	3	7	2	740	<50	--	--	--
09/17/04 ¹¹	97.52	85.12	12.40	--	920	48	<0.5	<0.5	<0.5	340	<50	--	--	--
12/17/04 ¹¹	97.52	86.78	10.74	--	190	9	<0.5	<0.5	<0.5	110	<50	--	--	--
03/14/05 ¹¹	97.52	87.67	9.85	--	120	5	<0.5	<0.5	<0.5	130	<50	--	--	--
06/13/05 ¹¹	97.52	85.61	11.91	--	110	6	<0.5	<0.5	<0.5	130	<50	--	--	--
09/12/05 ¹¹	97.52	85.31	12.21	--	290	10	<0.5	<0.5	<0.5	90	<50	--	--	--
12/12/05 ¹¹	97.52	86.50	11.02	--	150	1	<0.5	<0.5	0.8	53	<50	--	--	--

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

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	1,2-DCB♦ (µg/L)	1,2-DCA♦ (µg/L)	HVOCs♦ (µg/L)
MW-1 (cont)														
03/13/06 ¹¹	97.52	87.97	9.55	--	82	0.8	<0.5	<0.5	<0.5	66	<50	--	--	--
06/12/06 ¹¹	97.52	86.52	11.00	--	140	4	<0.5	<0.5	<0.5	65	<50	--	--	--
09/11/06 ¹¹	97.52	85.99	11.53	--	210	3	<0.5	<0.5	<0.5	32	<50	--	--	--
12/15/06 ¹¹	97.52	88.13	9.39	--	190	1	<0.5	<0.5	<0.5	31	<50	--	--	--
03/16/07 ¹¹	97.52	86.02	11.50	--	99	0.8	<0.5	<0.5	<0.5	41	<50	--	--	--
06/15/07 ¹¹	97.52	86.46	11.06	--	210	10	<0.5	<0.5	<0.5	49	<50	--	--	--
09/14/07 ¹¹	97.52	85.14	12.38	--	270	6	<0.5	<0.5	<0.5	35	<50	--	--	--
12/07/07 ¹¹	97.52	84.88	12.64	--	90	0.7	<0.5	<0.5	<0.5	43	<50	--	--	--
03/07/08 ¹¹	97.52	85.54	11.98	--	110	<0.5	<0.5	<0.5	<0.5	32	<50	--	--	--
06/06/08 ¹¹	97.52	86.18	11.34	--	180	0.7	<0.5	<0.5	<0.5	29	<50	--	--	--
09/05/08¹¹	97.52	85.39	12.13	--	200	1	<0.5	<0.5	<0.5	20	<50	--	--	--
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	--	--	--	--

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 (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	1,2-DCB◆ (µg/L)	1,2-DCA◆ (µg/L)	HVOCs◆ (µg/L)
MW-2 (cont)														
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	97.81	82.78	15.03	--	130	<1	<1	<1	<1	2,400	<130	--	--	--
12/15/03 ¹¹	97.81	84.84	12.97	--	<50	<0.5	<0.5	<0.5	<0.5	63	<50	--	--	--
03/05/04 ¹¹	97.81	84.79	13.02	--	<50	0.8	<0.5	<0.5	<0.5	49	<50	--	--	--
06/18/04 ¹¹	97.81	82.72	15.09	--	60	<0.5	<0.5	<0.5	<0.5	1,900	<50	--	--	--
09/17/04 ¹¹	97.81	82.46	15.35	--	66	<1	<1	<1	<1	2,100	<130	--	--	--
12/17/04 ¹¹	97.81	84.61	13.20	--	120	7	<0.5	<0.5	0.7	91	<50	--	--	--
03/14/05 ¹¹	97.81	84.79	13.02	--	390	69	0.8	10	2	74	<50	--	--	--
06/13/05 ¹¹	97.81	82.87	14.94	--	<50	6	<0.5	<0.5	<0.5	10	<50	--	--	--
09/12/05 ¹¹	97.81	82.62	15.19	--	77	<1	<1	<1	<1	1,400	<100	--	--	--
12/12/05 ¹¹	97.81	84.32	13.49	--	14,000	1,500	1,100	660	3,500	82	<250	--	--	--
03/13/06 ¹¹	97.81	84.97	12.84	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/12/06 ¹¹	97.81	83.19	14.62	--	<50	<0.5	<0.5	<0.5	<0.5	81	<50	--	--	--
09/11/06 ¹¹	97.81	82.59	15.22	--	73	<0.5	<0.5	<0.5	<0.5	170	<50	--	--	--
12/15/06 ¹¹	97.81	84.86	12.95	--	<50	<0.5	<0.5	<0.5	<0.5	0.8	<50	--	--	--
03/16/07 ¹¹	97.81	84.41	13.40	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/17/07 ¹¹	97.81	83.14	14.67	--	<50	0.9	<0.5	<0.5	<0.5	46	<50	--	--	--
09/14/07 ¹¹	97.81	82.70	15.11	--	<50	0.7	<0.5	<0.5	<0.5	170	<50	--	--	--
12/07/07 ¹¹	97.81	82.46	15.35	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
03/07/08 ¹¹	97.81	83.90	13.91	--	<50	<0.5	<0.5	<0.5	<0.5	3	<50	--	--	--
06/06/08 ¹¹	97.81	83.01	14.80	--	<50	3	<0.5	<0.5	<0.5	78	<50	--	--	--
09/05/08¹¹	97.81	82.78	15.03	--	<50	<0.5	<0.5	<0.5	<0.5	130	<50	--	--	--
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-<20

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 (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	1,2-DCB♦ (µg/L)	1,2-DCA♦ (µg/L)	HVOCs♦ (µg/L)
MW-3 (cont)														
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 ⁸	<2 ⁸	<1-<2 ⁸
12/26/01	97.86	86.92	10.94	5,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
03/06/02	98.78	87.20	11.58	30,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
06/21/02	98.78	86.23	12.55	3,800 ¹⁰	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
09/27/02	98.78	85.93	12.85	2,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
12/26/02	98.78	87.87	10.91	3,600	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
03/28/03	98.78	86.77	12.01	2,100	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	<1 ⁸	<2 ⁸	<1-<2.0 ⁸
06/16/03 ¹¹	98.78	86.79	11.99	2,400	<50	<0.5	<0.5	<0.5	<1	<0.5	--	<1 ⁸	<1 ⁸	<0.8-<2 ⁸
09/15/03 ¹¹	98.78	86.07	12.71	4,300	<50	<0.5	<0.5	<0.5	<1	<0.5	--	<1 ⁸	0.8 ⁸	<0.5-<2 ⁸
12/15/03 ¹¹	98.78	87.23	11.55	3,200	<50	<0.5	0.7	<0.5	0.7	<0.5	<50	<1 ⁸	0.8 ⁸	<0.8-<2 ⁸
03/05/04 ¹¹	98.78	87.66	11.12	8,000	<50	<0.5	0.6	<0.5	0.7	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
06/18/04 ¹¹	98.78	86.21	12.57	3,100	<50	<0.5	<0.5	<0.5	<1	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
09/17/04 ¹¹	98.78	85.92	12.86	3,200	<50	<0.5	<0.7	<0.8	<1.6	<0.5	<50	<1 ⁸	<1 ⁸	<0.8-<2 ⁸
12/17/04 ¹¹	98.78	87.63	11.15	2,800	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
03/14/05 ¹¹	98.78	88.21	10.57	1,300	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
06/13/05 ¹¹	98.78	86.45	12.33	2,700	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
09/12/05 ¹¹	98.78	85.89	12.89	2,000 ¹²	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
12/12/05 ¹¹	98.78	87.40	11.38	3,900 ¹²	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
03/13/06 ¹¹	98.78	88.43	10.35	2,800	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
06/12/06 ¹¹	98.78	87.05	11.73	3,600	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
09/11/06 ¹¹	98.78	86.42	12.36	4,000	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
12/15/06 ¹¹	98.78	86.91	11.87	3,100	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
03/16/07 ¹¹	98.78	87.55	11.23	1,800	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
06/15/07 ¹¹	98.78	86.97	11.81	2,000	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<2 ⁸	<0.5 ⁸	<0.8-<2 ⁸
09/14/07 ¹¹	98.78	86.31	12.47	1,600	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
12/07/07 ¹¹	98.78	86.02	12.76	2,200	<50	<0.5	<0.5	<0.5	<1.0	<0.5	330	<1 ⁸	<0.5 ⁸	<0.8-<2 ^{8,13}

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 (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	1,2-DCB♦ (µg/L)	1,2-DCA♦ (µg/L)	HVOCs♦ (µg/L)
MW-3 (cont)														
03/07/08 ¹¹	98.78	86.95	11.83	6,500	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
06/06/08 ¹¹	98.78	86.51	12.27	2,800	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
09/05/08 ¹¹	98.78	86.13	12.65	2,400	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1 ⁸	<0.5 ⁸	<0.8-<2 ⁸
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	97.14	82.93	14.21	--	220	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
12/15/03 ¹¹	97.14	84.30	12.84	--	310	<0.5	21	<0.5	1	<0.5	<50	--	--	--
03/05/04 ¹¹	97.14	84.00	13.14	--	<50	<0.5	0.7	<0.5	0.6	5	<50	--	--	--
06/18/04 ¹¹	97.14	83.14	14.00	--	220	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
09/17/04 ¹¹	97.14	83.06	14.08	--	97	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
12/17/04 ¹¹	97.14	83.77	13.37	--	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	--	--	--
03/14/05 ¹¹	97.14	83.69	13.45	--	<50	<0.5	0.8	<0.5	<0.5	1	<50	--	--	--
06/13/05 ¹¹	97.14	83.53	13.61	--	<50	<0.5	<0.5	<0.5	<0.5	2	<50	--	--	--
09/12/05 ¹¹	97.14	83.34	13.80	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
12/12/05 ¹¹	97.14	83.54	13.60	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
03/13/06 ¹¹	97.14	83.95	13.19	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/12/06 ¹¹	97.14	83.27	13.87	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
09/11/06 ¹¹	97.14	82.98	14.16	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--

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

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	1,2-DCB♦ (µg/L)	1,2-DCA♦ (µg/L)	HVOCs♦ (µg/L)
MW-4 (cont)														
12/15/06 ¹¹	97.14	83.96	13.18	--	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	--	--	--
03/16/07 ¹¹	97.14	83.44	13.70	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50	--	--	--
06/15/07 ¹¹	97.14	83.23	13.91	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50	--	--	--
09/14/07 ¹¹	97.14	83.12	14.02	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
12/07/07 ¹¹	97.14	82.91	14.23	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
03/07/08 ¹¹	97.14	83.22	13.92	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/06/08 ¹¹	97.14	83.23	13.91	--	<50	<0.5	<0.5	<0.5	<0.5	0.5	<50	--	--	--
09/05/08 ¹¹	97.14	83.12	14.02	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
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	95.71	83.28	12.43	--	760	<0.5	<0.5	<0.5	<0.5	180	<50	--	--	--
12/15/03 ¹¹	95.71	85.01	10.70	--	1,200	0.7	0.5	0.6	0.8	120	<50	--	--	--
03/05/04 ¹¹	95.71	84.65	11.06	--	1,800	2	0.7	0.7	2	60	<50	--	--	--
06/18/04 ¹¹	95.71	83.54	12.17	--	1,700	<0.5	<0.5	<0.5	<0.5	77	<50	--	--	--
09/17/04 ¹¹	95.71	83.35	12.36	--	1,900	<0.5	<0.5	<0.5	0.6	73	<50	--	--	--
12/17/04 ¹¹	95.71	84.91	10.80	--	1,200	1	<0.5	<0.5	0.6	41	<50	--	--	--
03/14/05 ¹¹	95.71	85.26	10.45	--	1,400	9	<0.5	<0.5	<0.5	19	<50	--	--	--
06/13/05 ¹¹	95.71	83.82	11.89	--	760	<0.5	<0.5	<0.5	<0.5	16	<50	--	--	--
09/12/05 ¹¹	95.71	83.43	12.28	--	610	<0.5	<0.5	<0.5	<0.5	22	<50	--	--	--
12/12/05 ¹¹	95.71	84.63	11.08	--	630	<0.5	<0.5	<0.5	<0.5	13	63	--	--	--
03/13/06 ¹¹	95.71	85.45	10.26	--	1,100	1	<0.5	<0.5	0.5	9	<50	--	--	--
06/12/06 ¹¹	95.71	83.91	11.80	--	460	<0.5	<0.5	<0.5	<0.5	10	<50	--	--	--
09/11/06 ¹¹	95.71	83.30	12.41	--	510	<0.5	<0.5	<0.5	<0.5	10	<50	--	--	--
12/15/06 ¹¹	95.71	85.21	10.50	--	1,000	0.7	<0.5	<0.5	<0.5	6	<50	--	--	--
03/16/07 ¹¹	95.71	84.71	11.00	--	430	<0.5	<0.5	<0.5	<0.5	8	<50	--	--	--
06/15/07 ¹¹	95.71	83.83	11.88	--	420	<0.5	<0.5	<0.5	<0.5	5	<50	--	--	--
09/14/07 ¹¹	95.71	83.39	12.32	--	380	<0.5	<0.5	<0.5	<0.5	6	<50	--	--	--
12/07/07 ¹¹	95.71	83.14	12.57	--	420	<0.5	<0.5	<0.5	<0.5	3	<50	--	--	--

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 (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	1,2-DCB◆ (µg/L)	1,2-DCA◆ (µg/L)	HVOCs◆ (µg/L)
MW-5 (cont)														
03/07/08 ¹¹	95.71	84.20	11.51	--	400	<0.5	<0.5	<0.5	<0.5	4	<50	--	--	--
06/06/08 ¹¹	95.71	83.51	12.20	--	400	<0.5	<0.5	<0.5	<0.5	4	<50	--	--	--
09/05/08 ¹¹	95.71	83.33	12.38	--	470	<0.5	<0.5	<0.5	<0.5	6	<50	--	--	--
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	95.84	84.84	11.00	--	<50	<0.5	<0.5	<0.5	<0.5	6	<50	--	--	--
12/15/03 ¹¹	95.84	86.49	9.35	--	<50	<0.5	<0.5	<0.5	<0.5	4	<50	--	--	--
03/05/04 ¹¹	95.84	87.04	8.80	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
06/18/04 ¹¹	95.84	85.04	10.80	--	<50	<0.5	<0.5	<0.5	<0.5	2	<50	--	--	--
09/17/04 ¹¹	95.84	84.84	11.00	--	<50	<0.5	<0.5	<0.5	<0.5	2	<50	--	--	--
12/17/04 ¹¹	95.84	86.32	9.52	--	<50	<0.5	<0.5	<0.5	<0.5	2	<50	--	--	--
03/14/05 ¹¹	95.84	86.94	8.90	--	<50	<0.5	<0.5	<0.5	<0.5	0.8	<50	--	--	--
06/13/05 ¹¹	95.84	85.37	10.47	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
09/12/05 ¹¹	95.84	85.16	10.68	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
12/12/05 ¹¹	95.84	86.15	9.69	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
03/13/06 ¹¹	95.84	87.16	8.68	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/12/06 ¹¹	95.84	85.03	10.81	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
09/11/06 ¹¹	95.84	84.80	11.04	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50	--	--	--
12/15/06 ¹¹	95.84	86.82	9.02	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
03/16/07 ¹¹	95.84	86.06	9.78	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/15/07 ¹¹	95.84	84.99	10.85	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
09/14/07 ¹¹	95.84	85.71	10.13	--	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	--	--	--
12/07/07 ¹¹	95.84	85.39	10.45	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
03/07/08 ¹¹	95.84	85.75	10.09	--	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	--	--	--
06/06/08 ¹¹	95.84	84.79	11.05	--	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50	--	--	--
09/05/08 ¹¹	95.84	84.66	11.18	--	<50	<0.5	<0.5	<0.5	<0.5	0.8	<50	--	--	--

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

WELL ID/ DATE	TOC* (ft.)	GWE (mst)	DTW (ft.)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	1,2-DCB♦ (µg/L)	1,2-DCA♦ (µg/L)	HVOCs♦ (µg/L)
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	--	--	--	--
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	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
03/05/04 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/18/04 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/17/04 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
12/17/04 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
03/14/05 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/13/05 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/12/05 ¹¹	--	--	--	--	<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

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (µg/L)	TPH-G (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)	1,2-DCB♦ (µg/L)	1,2-DCA♦ (µg/L)	HVOCs♦ (µg/L)
QA (cont)														
12/12/05 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
03/13/06 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/12/06 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/11/06 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
12/15/06 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
03/16/07 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/15/07 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/14/07 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
12/07/07 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
03/07/08 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/06/08 ¹¹	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
09/05/08 ¹¹	--	--	--	--	<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	B = Benzene	(µg/L) = Micrograms per liters
(ft.) = Feet	T = Toluene	(ppb) = Parts per billion
GWE = Groundwater Elevation	E = Ethylbenzene	HVOCs = Halogenated Volatile Organic Compounds
(msl) = Mean sea level	X = Xylenes	ND = Not Detected
DTW = Depth to Water	MTBE = Methyl Tertiary Butyl Ether	-- = Not Measured/Not Analyzed
TPH-D Total Petroleum Hydrocarbons as Diesel	1,2-DCB = 1,2-Dichlorobenzene	QA = Quality Assurance/Trip Blank
TPH-G = Total Petroleum Hydrocarbons as Gasoline	1,2-DCA = 1,2-Dichloroethane	

* 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.
BTEX and MTBE by EPA Method 8260.
- 12 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.
- 13 Laboratory report indicates Chloroform at 7ppb.

NOTE: All other VOC concentrations were below detection limits.

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 Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by IWM to Chemical Waste Management located in Kettleman Hills, California.



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 9-5-08 (inclusive)
 City: Oakland, CA Sampler: Joe

Well ID: MW-1 Date Monitored: 9-5-08
 Well Diameter: 2 in.
 Total Depth: 20.26 ft.
 Depth to Water: 12.13 ft. Check if water column is less than 0.50 ft.
8.13 x VF 0.17 = 1.38 x3 case volume = Estimated Purge Volume: 4.5 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.75

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 _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

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

Start Time (purge): 0945 Weather Conditions: Hot
 Sample Time/Date: 1005 10-5-08 Water Color: clean Odor: DN
 Approx. Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 12.70

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µSD)	Temperature (°C / °F)	D.O. (mg/L)	ORP (mV)
<u>0950</u>	<u>1.5</u>	<u>6.56</u>	<u>597</u>	<u>24.8</u>		
<u>0954</u>	<u>3</u>	<u>6.54</u>	<u>621</u>	<u>25.1</u>		
<u>0958</u>	<u>4.5</u>	<u>6.58</u>	<u>634</u>	<u>25.3</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)</u>
	<u>x 500ml ambers</u>	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D(8015)</u>
	<u>x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>HVOC's(8260)</u>

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 9-5-08 (inclusive)
 City: Oakland, CA Sampler: Joe

Well ID: MW-2 Date Monitored: 9-5-08
 Well Diameter: 2 in.
 Total Depth: 2025 ft.
 Depth to Water: 15.02 ft.

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

Check if water column is less than 0.50 ft.
 $5.22 \times VF 0.17 = 0.88$ x3 case volume = Estimated Purge Volume: 3 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.07

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

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

Start Time (purge): 0910 Weather Conditions: Hot
 Sample Time/Date: 0935 9-5-08 Water Color: clear Odor: 0 N
 Approx. Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 15.36

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - 125)	Temperature (° F)	D.O. (mg/L)	ORP (mV)
<u>0916</u>	<u>1</u>	<u>6.81</u>	<u>676</u>	<u>24.9</u>	_____	_____
<u>0922</u>	<u>2</u>	<u>6.75</u>	<u>804</u>	<u>25.0</u>	_____	_____
<u>0928</u>	<u>3</u>	<u>6.77</u>	<u>895</u>	<u>25.2</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	<u>6</u> x vva vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	<u>3</u> 500ml ambers	YES	NP	LANCASTER	TPH-D(8015)
	<u>3</u> vva vial	YES	HCL	LANCASTER	HVOCs(8260)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 386395
 Event Date: 9-5-08 (inclusive)
 Sampler: Soe

Well ID: MW-3
 Well Diameter: 2 in.
 Total Depth: 20.14 ft.
 Depth to Water: 12.65 ft.
7.49 xVF 0.17 = 1.27

Date Monitored: 9-5-08

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

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.14

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

Sampling Equipment:
 Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0.5 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): 1015 Weather Conditions: Hot
 Sample Time/Date: 1040/9-5-08 Water Color: clear Odor: DN
 Approx. Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 12.92

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1021</u>	<u>1</u>	<u>7.19</u>	<u>598</u>	<u>25.2</u>	_____	_____
<u>1026</u>	<u>2.5</u>	<u>6.75</u>	<u>592</u>	<u>25.1</u>	_____	_____
<u>1030</u>	<u>4</u>	<u>6.82</u>	<u>591</u>	<u>25.6</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	<u>2</u> x 500ml ambers	YES	NP	LANCASTER	TPH-D(8015)
	<u>3</u> x voa vial	YES	HCL	LANCASTER	HVOC's(8260)

COMMENTS: _____

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 386395
 Event Date: 9-5-08 (inclusive)
 Sampler: Jac

Well ID: MW-4
 Well Diameter: 2 in.
 Total Depth: 19.66 ft.
 Depth to Water: 14.02 ft.

Date Monitored: 9-5-08

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

Check if water column is less than 0.50 ft.

5.64 xVF 0.17 = 0.96 x3 case volume = Estimated Purge Volume: 3 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.14

Purge Equipment:

Disposable Bailer
 Stainless Steel Bailer _____
 Stack Pump _____
 Suction Pump _____
 Grundfos _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

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

Start Time (purge): 0825 Weather Conditions: Hot
 Sample Time/Date: 0900 / 9-5-08 Water Color: clear Odor: Y10
 Approx. Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 14.29

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0834</u>	<u>1</u>	<u>7.23</u>	<u>857</u>	<u>24.6</u>	_____	_____
<u>0839</u>	<u>2</u>	<u>7.33</u>	<u>869</u>	<u>24.1</u>	_____	_____
<u>0850</u>	<u>3</u>	<u>7.31</u>	<u>872</u>	<u>24.3</u>	_____	_____

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-4</u>	<u>6</u> x vva vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	x/100ml ampers	YES	NP	LANCASTER	TPH-D(8015)
	x vva vial	YES	HCL	LANCASTER	HVOC's(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 9-5-08 (inclusive)
 City: Oakland, CA Sampler: Juc

Well ID: MW-5 Date Monitored: 9-5-08
 Well Diameter: 2 in.
 Total Depth: 18.75 ft.
 Depth to Water: 12.38 ft. Check if water column is less than 0.50 ft.
6.37 xVF 0.17 = 1.08 x3 case volume = Estimated Purge Volume: 3.5 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.65

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 _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Time Started: _____ (2400 hrs)
 Time Completed: _____ (2400 hrs)
 Depth to Product: _____ ft
 Depth to Water: _____ ft
 Hydrocarbon Thickness: 0.5 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): 0735 Weather Conditions: Hot
 Sample Time/Date: 0810 9-5-08 Water Color: clear Odor: DN
 Approx. Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 12.52

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0742</u>	<u>1</u>	<u>6.90</u>	<u>651</u>	<u>23.6</u>		
<u>0748</u>	<u>2</u>	<u>6.85</u>	<u>646</u>	<u>24.1</u>		
<u>0753</u>	<u>3</u>	<u>6.77</u>	<u>647</u>	<u>24.7</u>		

LABORATORY INFORMATION

SAMPLE ID	# CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-5</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	<u>x 500ml ambers</u>	YES	NP	LANCASTER	TPH-D(8015)
	<u>x voa vial</u>	YES	HCL	LANCASTER	HVOCs(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____



GETTLER - RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-9708 Job Number: 386395
 Site Address: 5910 Macarthur Blvd. Event Date: 9-5-08 (inclusive)
 City: Oakland, CA Sampler: Joc

Well ID: MW-6 Date Monitored: 9-5-08
 Well Diameter: 2 in.
 Total Depth: 18.90 ft.
 Depth to Water: 11.18 ft. Check if water column is less than 0.50 ft.
7.72 x VF 0.17 = 1.31 x3 case volume = Estimated Purge Volume: 4 gal.
 Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.72

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 _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 Other: _____

Sampling Equipment:

Disposable Bailer
 Pressure Bailer _____
 Discrete Bailer _____
 Peristaltic Pump _____
 QED Bladder Pump _____
 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): 0650 Weather Conditions: Hok
 Sample Time/Date: 0720 19-9-08 Water Color: clear Odor: Y10
 Approx. Flow Rate: _____ gpm. Sediment Description: _____
 Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 11.63

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm @ 25)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0658</u>	<u>1</u>	<u>7.63</u>	<u>768</u>	<u>24.2</u>		
<u>0704</u>	<u>2.5</u>	<u>7.54</u>	<u>802</u>	<u>24.5</u>		
<u>0710</u>	<u>4</u>	<u>7.48</u>	<u>809</u>	<u>24.6</u>		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	6 x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL (8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-D(8015)
	x vov vial	YES	HCL	LANCASTER	HVOC's(8260)

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Add/Replaced Bolt: _____

Chevron California Region Analysis Request/Chain of Custody



090508-02

For Lancaster Laboratories use only
 Acct. #: 10904 Sample # 5460931-37 Group #: 003977
1108782

Facility #: SS#9-9708-QML G-R#386395 Global ID#T0600102093
 Site Address: 5910 MACARTHUR BLVD., OAKLAND, CA
 Chevron PM: IR Lead Consultant: GRACE
G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568
 Consultant/Office: Deanna L. Harding (deanna@grinc.com)
 Consultant Prj. Mgr.:
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
 Sampler: JOE ASEMIAN

Analyses Requested

Matrix		Preservation Codes									
		H	H								
Soil	Water	BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>									
		TPH 8015 MOD GRO									
Oil <input type="checkbox"/> Air	Total Number of Containers	TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup									
		8260 full scan									
		Oxygenates									
		Total Lead Method									
		Discolored Lead Method									
		Etanol (8260)									
		HVOCs (8260)									

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 <input type="checkbox"/> Air	Total Number of Containers	BTEX + MTBE 8260 <input type="checkbox"/> 8021 <input type="checkbox"/>	TPH 8015 MOD GRO	TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead Method	Discolored Lead Method	Etanol (8260)	HVOCs (8260)
QA			✓			✓		2	✓	✓							
MW-1	9.5-08	1005						6	✓	✓						✓	
MW-2		0935						6	✓	✓						✓	
MW-3		1040						11	✓	✓	✓					✓	✓
MW-4		0900						6	✓	✓						✓	
MW-5		0810						6	✓	✓						✓	
MW-6		0720	✓					6	✓	✓						✓	

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
 STD. TAT: 24 hour, 72 hour, 48 hour, 4 day, 5 day

Relinquished by: <i>[Signature]</i>	Date: <u>9.5.08</u>	Time: <u>1135</u>	Received by: <i>[Signature]</i>	Date: <u>9.5.08</u>	Time: <u>1135</u>
Relinquished by: <i>[Signature]</i>	Date: <u>9/16/08</u>	Time: <u>1530</u>	Received by: <i>[Signature]</i>	Date: _____	Time: _____
Relinquished by: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____

Data Package Options (please circle if required)
 QC Summary Type I - Full
 Type VI (Raw Data) Coelt Deliverable not needed **EDF/EDD**
 WIP (RWQCB)
 Disk

Relinquished by Commercial Carrier:
 UPS FedEx Other Other
 Temperature Upon Receipt: 8.9-4.0 °C
 Custody/Seals Intact? Yes



September 23, 2008

RECEIVED

SEP 25 2008

Ms. Cheryl Hansen
Gettler-Ryan
6747 Sierra Court Suite J
Dublin, CA 94568

GETTLER-RYAN INC.
GENERAL CONTRACTORS

Dear Ms. Hansen:

I am writing to inform you of revised analytical reports that are being issued for the following:

Project No. 99708

LLI Sample No.	Client Sample Identification	Collection Date
5460934	MW-3-W-080905 Grab Water	09/05/2008

The correction to the data affects the GC/MS volatile EPA SW846/8260 water analysis only.

During an additional review of this data, it was determined that the results for Ethanol were not included on the original Analysis Report and QC Summary. The results for Ethanol are now included in these sections.

The revised analytical report reflects this correction and is enclosed.

You are a valued client and we apologize for any inconvenience that this incident may have caused. If you have any questions or require further assistance, please call me at 717-656-2300, Ext. 1523. We appreciate your business and look forward to continuing to serve your laboratory needs.

Sincerely,

Robin C. Runkle
Senior Specialist
GC/MS Volatiles

RCR/mcs
Enclosures

cc: Jill Parker



Analysis Report

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

REVISED

ANALYTICAL RESULTS

Prepared for:

Chevron
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 1108782. Samples arrived at the laboratory on Saturday, September 06, 2008. The PO# for this group is 0015024486 and the release number is ROBB.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
QA-T-080905 NA Water	5460931
MW-1-W-080905 Grab Water	5460932
MW-2-W-080905 Grab Water	5460933
MW-3-W-080905 Grab Water	5460934
MW-4-W-080905 Grab Water	5460935
MW-5-W-080905 Grab Water	5460936
MW-6-W-080905 Grab Water	5460937

ELECTRONIC COPY TO CRA c/o Gettler-Ryan

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
Jill M Parker at (717) 656-2300

REVISED

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Christine Dulaney".

Christine Dulaney
Senior Specialist



Analysis Report

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

Page 1 of 1
REVISED

Lancaster Laboratories Sample No. WW5460931

Group No. 1108782

QA-T-080905 NA Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 QA
Collected: 09/05/2008

Account Number: 10904

Submitted: 09/06/2008 09:30
Reported: 09/23/2008 at 08:57
Discard: 10/24/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MOQA-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method Detection Limit	Units	
01728	TPH-GRO - Waters	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/15/2008	11:57	Kathie J Bowman	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	09/13/2008	01:40	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/15/2008	11:57	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/13/2008	01:40	Michael A Ziegler	1

Lancaster Laboratories Sample No. WW5460932
Group No. 1108782
MW-1-W-080905 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-1
 Collected: 09/05/2008 10:05 by JA

Account Number: 10904

 Submitted: 09/06/2008 09:30
 Reported: 09/23/2008 at 08:57
 Discard: 10/24/2008

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MOMW1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	200	Detection Limit 50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	20	0.5	ug/l	1
05401	Benzene	71-43-2	1	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/15/2008	19:02	Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/10/2008	02:08	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/15/2008	19:02	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/10/2008	02:08	Michael A Ziegler	1



Analysis Report

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

Page 1 of 1
REVISED

Lancaster Laboratories Sample No. WW5460933

Group No. 1108782

MW-2-W-080905 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-2
Collected: 09/05/2008 09:35 by JA

Account Number: 10904

Submitted: 09/06/2008 09:30
Reported: 09/23/2008 at 08:57
Discard: 10/24/2008

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MAOW2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	N.D.	Detection Limit 50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	130	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/15/2008 19:35		Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/10/2008 02:32		Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/15/2008 19:35		Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/10/2008 02:32		Michael A Ziegler	1



Analysis Report

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

Page 1 of 2
REVISED

Lancaster Laboratories Sample No. WW5460934

Group No. 1108782

MW-3-W-080905 Grab Water

Facility# 99708 Job# 386395 GRD

5910 Macarthur-Oakland T0600102093 MW-3

Collected: 09/05/2008 10:40 by JA

Account Number: 10904

Submitted: 09/06/2008 09:30

Reported: 09/23/2008 at 08:57

Discard: 10/24/2008

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MOMW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
				Detection Limit		
01728	TPH-GRO - Waters	n.a.	N.D.	50	ug/l	1
06609	DRO (C10-C28)	n.a.	2,400	50	ug/l	1
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	N.D.	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	N.D.	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
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
05416	m+p-Xylene	1330-20-7	N.D.	0.5	ug/l	1
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



Analysis Report

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

Page 2 of 2
REVISED

Lancaster Laboratories Sample No. WW5460934

Group No. 1108782

MW-3-W-080905 Grab Water

Facility# 99708 Job# 386395 GRD

5910 Macarthur-Oakland T0600102093 MW-3

Collected: 09/05/2008 10:40 by JA

Account Number: 10904

Submitted: 09/06/2008 09:30

Reported: 09/23/2008 at 08:57

Discard: 10/24/2008

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MOMW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Detection Limit	
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	ug/l	1
08203	Freon 113	76-13-1	N.D.	2	ug/l	1

State of California Lab Certification No. 2116

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/15/2008 20:08		Kathie J Bowman	1
06609	TPH-DRO (Waters)	SW-846 8015B	1	09/13/2008 08:23		Diane V Do	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	09/09/2008 17:57		Emily R Styer	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	09/09/2008 17:57		Emily R Styer	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/15/2008 20:08		Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/09/2008 17:57		Emily R Styer	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	09/09/2008 17:05		JoElla L Rice	1

Lancaster Laboratories Sample No. WW5460935
Group No. 1108782
MW-4-W-080905 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-4
 Collected: 09/05/2008 09:00 by JA

Account Number: 10904

 Submitted: 09/06/2008 09:30
 Reported: 09/23/2008 at 08:57
 Discard: 10/24/2008

 Chevron
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MOMW4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	N.D.	Detection Limit 50	ug/l	1
06067	BTEX, MTBE, 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	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/15/2008 20:41	Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/10/2008 02:56	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/15/2008 20:41	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/10/2008 02:56	Michael A Ziegler	1



Analysis Report

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

Page 1 of 1
REVISED

Lancaster Laboratories Sample No. **WW5460936**

Group No. **1108782**

MW-5-W-080905 Grab Water

Facility# 99708 Job# 386395 GRD

5910 Macarthur-Oakland T0600102093 MW-5

Collected: 09/05/2008 08:10 by JA

Account Number: 10904

Submitted: 09/06/2008 09:30

Reported: 09/23/2008 at 08:57

Discard: 10/24/2008

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MOMW5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	470	Detection Limit 50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	6	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/15/2008	21:13	Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/10/2008	03:19	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/15/2008	21:13	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/10/2008	03:19	Michael A Ziegler	1

Lancaster Laboratories Sample No. WW5460937
Group No. 1108782
MW-6-W-080905 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-6

Collected: 09/05/2008 07:20 by JA

Account Number: 10904

Submitted: 09/06/2008 09:30

Reported: 09/23/2008 at 08:57

Discard: 10/24/2008

Chevron

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MOMW6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	N.D.	Detection Limit 50	ug/l	1
06067	BTEX, MTBE, ETOH					
01587	Ethanol	64-17-5	N.D.	50	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	0.8	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

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	SW-846 8015B modified	1	09/15/2008 21:46	Kathie J Bowman	1
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	09/10/2008 03:43	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09/15/2008 21:46	Kathie J Bowman	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	09/10/2008 03:43	Michael A Ziegler	1

Quality Control Summary

 Client Name: Chevron
 Reported: 09/23/08 at 08:57 AM

Group Number: 1108782

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

<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: 082530015A DRO (C10-C28)	Sample number(s): 5460934		N.D.	32.	ug/l	79	83	63-119	5	20
Batch number: 08258A15A TPH-GRO - Waters	Sample number(s): 5460931-5460937		N.D.	50.	ug/l	118	109	75-135	8	30
Batch number: D082533AA	Sample number(s): 5460932-5460933, 5460935-5460937		Ethanol	N.D.	50.	ug/l	97	45-156		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	96		73-119				
Benzene	N.D.	0.5	ug/l	99		78-119				
Toluene	N.D.	0.5	ug/l	100		85-115				
Ethylbenzene	N.D.	0.5	ug/l	99		82-119				
Xylene (Total)	N.D.	0.5	ug/l	101		83-113				
Batch number: W082532AA	Sample number(s): 5460934		Ethanol	N.D.	50.	ug/l	107	45-156		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	103		73-119				
Chloromethane	N.D.	1.	ug/l	97		47-133				
Vinyl Chloride	N.D.	1.	ug/l	98		62-128				
Bromomethane	N.D.	1.	ug/l	80		50-128				
Chloroethane	N.D.	1.	ug/l	79		56-128				
Trichlorofluoromethane	N.D.	2.	ug/l	95		60-137				
1,1-Dichloroethene	N.D.	0.8	ug/l	106		76-122				
Methylene Chloride	N.D.	2.	ug/l	107		85-120				
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	105		83-117				
1,1-Dichloroethane	N.D.	1.	ug/l	105		83-127				
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	106		84-117				
Chloroform	N.D.	0.8	ug/l	107		77-125				
1,1,1-Trichloroethane	N.D.	0.8	ug/l	118		83-127				
Carbon Tetrachloride	N.D.	1.	ug/l	102		77-130				
Benzene	N.D.	0.5	ug/l	104		78-119				
1,2-Dichloroethane	N.D.	0.5	ug/l	107		69-135				
Trichloroethene	N.D.	1.	ug/l	102		87-117				
1,2-Dichloropropane	N.D.	1.	ug/l	102		80-117				
Bromodichloromethane	N.D.	1.	ug/l	100		83-121				
Toluene	N.D.	0.5	ug/l	100		85-115				
1,1,2-Trichloroethane	N.D.	0.8	ug/l	99		86-113				
Tetrachloroethene	N.D.	0.8	ug/l	99		76-118				
Dibromochloromethane	N.D.	1.	ug/l	96		78-119				
Chlorobenzene	N.D.	0.8	ug/l	100		85-115				
Ethylbenzene	N.D.	0.5	ug/l	99		82-119				
m+p-Xylene	N.D.	0.5	ug/l	100		83-113				
o-Xylene	N.D.	0.5	ug/l	98		83-113				
Bromoform	N.D.	1.	ug/l	88		69-118				
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	95		72-119				
1,3-Dichlorobenzene	N.D.	1.	ug/l	97		81-114				
1,4-Dichlorobenzene	N.D.	1.	ug/l	96		84-116				

*- Outside of specification

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

Quality Control Summary

 Client Name: Chevron
 Reported: 09/23/08 at 08:57 AM

Group Number: 1108782

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>
1,2-Dichlorobenzene	N.D.	1.	ug/l	98		81-112		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	94		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	98		78-114		
Freon 113	N.D.	2.	ug/l	108		66-125		
Batch number: Z082564AA Sample number(s): 5460931								
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		73-119		
Benzene	N.D.	0.5	ug/l	95		78-119		
Toluene	N.D.	0.5	ug/l	97		85-115		
Ethylbenzene	N.D.	0.5	ug/l	98		82-119		
Xylene (Total)	N.D.	0.5	ug/l	98		83-113		

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 08258A15A Sample number(s): 5460931-5460937 UNSPK: P461100									
TPH-GRO - Waters	112		63-154						
Batch number: D082533AA Sample number(s): 5460932-5460933,5460935-5460937 UNSPK: P460749									
Ethanol	112	106	32-164	5	30				
Methyl Tertiary Butyl Ether	94 (2)	91 (2)	69-127	1	30				
Benzene	96	100	83-128	4	30				
Toluene	97	103	83-127	5	30				
Ethylbenzene	99	104	82-129	6	30				
Xylene (Total)	100	104	82-130	4	30				
Batch number: W082532AA Sample number(s): 5460934 UNSPK: 5460934									
Ethanol	70	70	32-164	0	30				
Methyl Tertiary Butyl Ether	104	104	69-127	0	30				
Chloromethane	111	111	58-157	0	30				
Vinyl Chloride	111	115	68-147	4	30				
Bromomethane	93	102	54-140	9	30				
Chloroethane	103	106	60-140	2	30				
Trichlorofluoromethane	108	112	68-163	3	30				
1,1-Dichloroethene	117	115	87-145	2	30				
Methylene Chloride	107	107	79-133	0	30				
trans-1,2-Dichloroethene	113	113	82-133	1	30				
1,1-Dichloroethane	112	110	85-135	2	30				
cis-1,2-Dichloroethene	112	110	83-126	2	30				
Chloroform	113	110	83-139	3	30				
1,1,1-Trichloroethane	129	127	81-142	2	30				
Carbon Tetrachloride	115	113	82-149	2	30				
Benzene	110	109	83-128	1	30				
1,2-Dichloroethane	110	110	70-143	0	30				
Trichloroethene	108	110	83-136	1	30				
1,2-Dichloropropane	105	105	83-129	0	30				
Bromodichloromethane	103	101	80-137	1	30				
Toluene	107	105	83-127	2	30				

*- Outside of specification

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

Quality Control Summary

 Client Name: Chevron
 Reported: 09/23/08 at 08:57 AM

Group Number: 1108782

Sample Matrix Quality Control

 Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
1,1,2-Trichloroethane	103	101	77-125	2	30				
Tetrachloroethene	107	107	78-133	0	30				
Dibromochloromethane	99	97	80-128	2	30				
Chlorobenzene	107	105	83-120	2	30				
Ethylbenzene	107	107	82-129	1	30				
m+p-Xylene	107	107	82-130	0	30				
o-Xylene	106	107	82-130	1	30				
Bromoform	89	89	64-119	0	30				
1,1,2,2-Tetrachloroethane	99	97	73-121	2	30				
1,3-Dichlorobenzene	103	101	79-123	2	30				
1,4-Dichlorobenzene	105	102	81-122	3	30				
1,2-Dichlorobenzene	108	106	82-117	2	30				
trans-1,3-Dichloropropene	96	95	77-123	1	30				
cis-1,3-Dichloropropene	100	98	72-124	3	30				
Freon 113	122	122	72-154	0	30				

Batch number: Z082564AA	Sample number(s): 5460931	UNSPK: P463900			
Methyl Tertiary Butyl Ether	94	94	69-127	0	30
Benzene	97	98	83-128	1	30
Toluene	97	103	83-127	6	30
Ethylbenzene	105	103	82-129	2	30
Xylene (Total)	100	105	82-130	4	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

 Analysis Name: DRO (C10-C28)
 Batch number: 082530015A
 Orthoterphenyl

5460934	106
Blank	84
LCS	99
LCSD	102

Limits: 59-131

 Analysis Name: TPH-GRO - Waters
 Batch number: 08258A15A
 Trifluorotoluene-F

5460931	79
5460932	78
5460933	75
5460934	78
5460935	78
5460936	83
5460937	76

*- Outside of specification

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

Quality Control Summary

 Client Name: Chevron
 Reported: 09/23/08 at 08:57 AM

Group Number: 1108782

Surrogate Quality Control

 Blank 0*
 LCS 81
 LCSD 81
 MS 82

Limits: 63-135

 Analysis Name: BTEX, MTBE, ETOH
 Batch number: D082533AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5460932	88	91	94	101
5460933	88	93	92	98
5460935	89	94	93	101
5460936	86	90	92	101
5460937	85	90	90	96
Blank	88	92	93	100
LCS	88	92	91	101
MS	87	90	90	102
MSD	87	89	92	104

Limits: 80-116 77-113 80-113 78-113

 Analysis Name: EPA SW846/8260 (water)
 Batch number: W082532AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5460934	95	93	95	92
Blank	96	93	95	94
LCS	97	100	95	93
MS	97	96	95	94
MSD	97	97	96	95

Limits: 80-116 77-113 80-113 78-113

 Analysis Name: BTEX+MTBE by 8260B
 Batch number: Z082564AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5460931	92	84	89	88
Blank	91	83	89	88
LCS	91	86	90	90
MS	91	86	90	90
MSD	92	87	89	89

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 unspiked result was more than four times the spike added.

Lancaster Laboratories 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
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	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		
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.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	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.

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.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.