CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A
Emeryville, California 94608
Telephone: (510) 420-0700 Fax: (510) 420-9170
http://www.craworld.com

October 19, 2009 Reference No. 311972

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

Re: Second Quarter 2009 Groundwater Monitoring Report
Chevron Service Station 9-9708
5910 MacArthur Boulevard
Oakland, California
Fuel Leak Case No. RO0000124

Dear Mr. Detterman:

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 July 13, 2009 presents the results of the Second Quarter 2009 sampling and monitoring event. Also attached are Figure 1 (Vicinity Map) and Figure 2 (Concentration Map) presenting the second quarter 2009 analytical results and groundwater flow direction data. A perjury letter from Chevron and Professional Geologist stamp are included within the G-R report

CONESTOGA-ROVERS
& ASSOCIATES

October 19, 2009 Reference No. 311972

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

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Charlotte Evans

IH/doh/4

Enc.

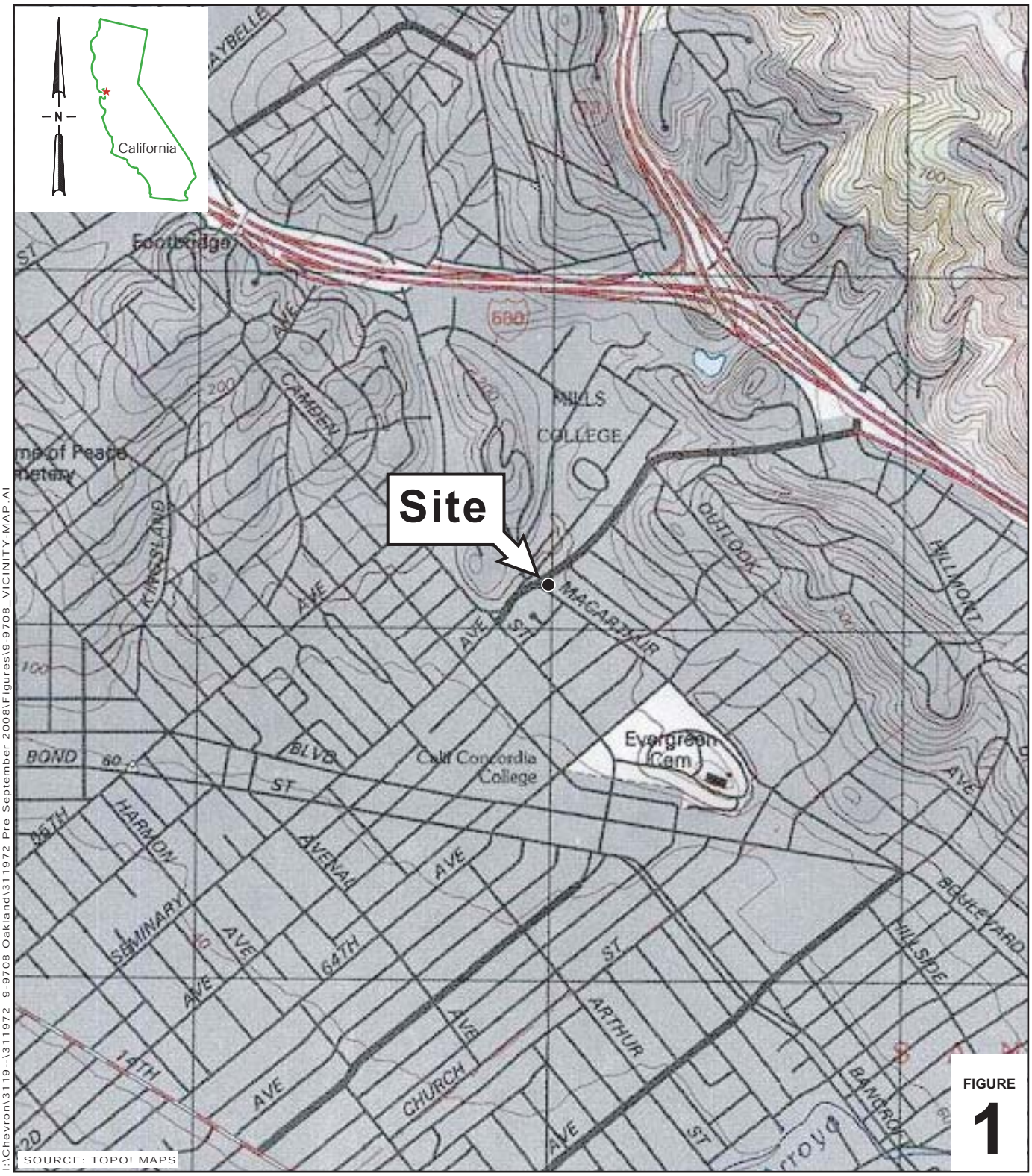
Figure 1 Site Vicinity Map
Figure 2 Hydrocarbon Concentrations in Groundwater

Attachment A July 13, 2009 G-R *Groundwater Monitoring and Sampling Report*

cc: Mr. Ian Robb, Chevron Environmental Management Company
Mr. Nisson Saidion

FIGURES

10/01/08



I:\Chevron\3119-\311972 9-9708 Oakland\311972 Pre September 2008\Figures\9-9708_VICINITY-MAP.AI

FIGURE
1

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

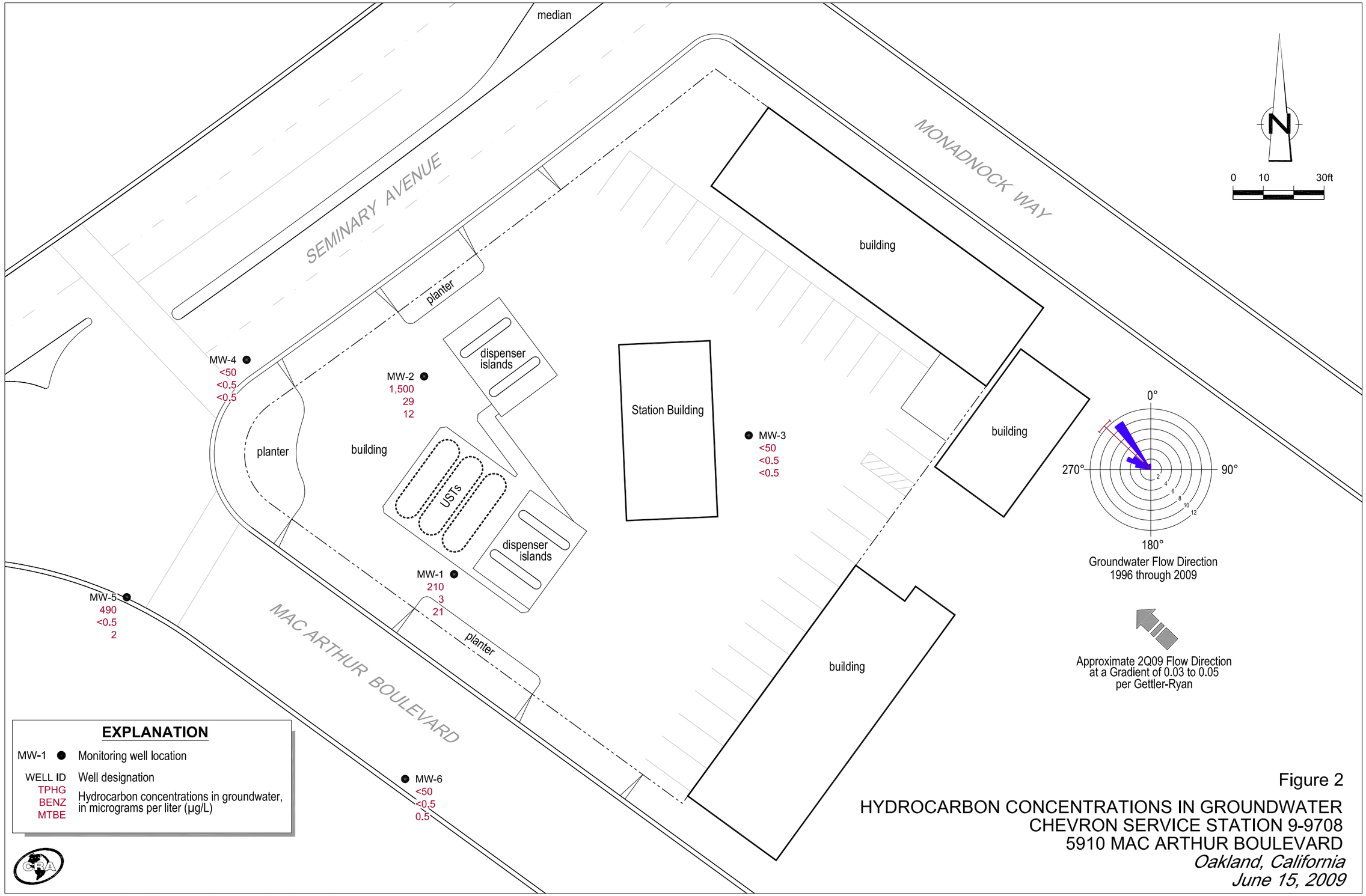


Figure 2

HYDROCARBON CONCENTRATIONS IN GROUNDWATER
CHEVRON SERVICE STATION 9-9708
5910 MAC ARTHUR BOULEVARD
Oakland, California
June 15, 2009

I:\Chevron\3119--\311972 9-9708 Oakland\Figures\9-9708_2Q09-HCGW.DWG

ATTACHMENT A

July 13, 2009 G-R *Groundwater Monitoring and Sampling* Report

GETTLER-RYAN INC.

TRANSMITTAL

July 17, 2009
G-R #386395

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

CC: Mr. Ian Robb
Chevron Environmental
Management Company
6111 Bollinger Canyon Road
Room 3612
San Ramon, California 94583
(NO COPY)

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
1	July 13, 2009	Groundwater Monitoring and Sampling Report **Second Quarter Event of June 15, 2009**

COMMENTS:

Pursuant to your request, we are providing you with copies of the above referenced items for **your use and distribution (including PDF submittal of the entire report to GeoTracker)**:

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)**
Mr. Nisson Saidion, 5910 MacArthur Boulevard, Oakland, CA 94605

Enclosures

trans/9-9708-IR

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

July 17, 2009

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 July 17, 2009.

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,

Ian Robb

Attachment: Report

GETTLER-RYAN INC.

July 13, 2009
G-R Job #386395

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

RE: Second Quarter Event of June 15, 2009
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).

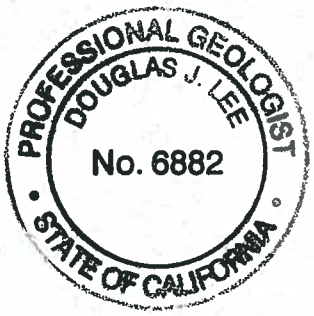
Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

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,

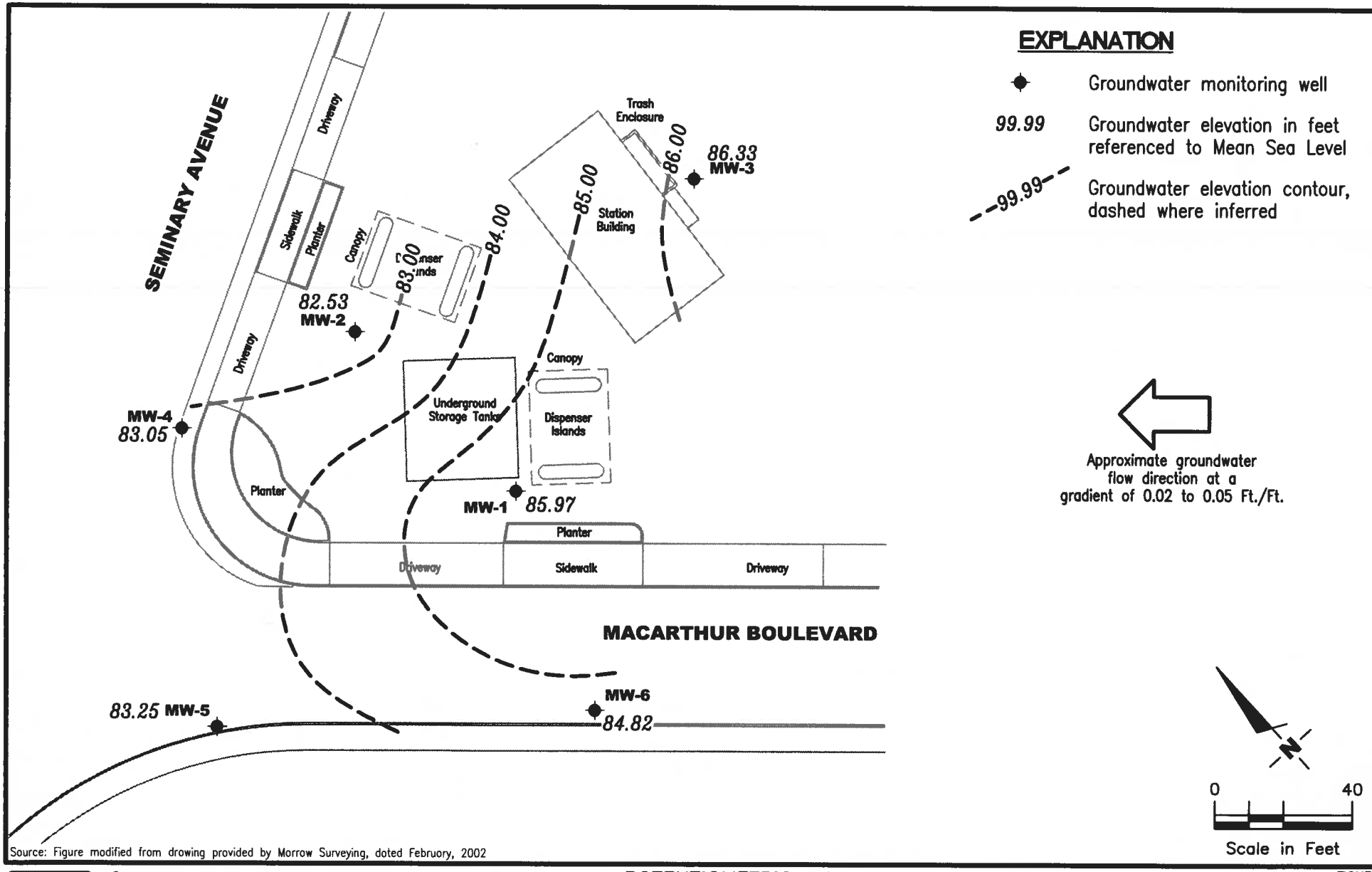
Cheryl L. Hanson
-FOR-
Deanna L. Harding
Project Coordinator



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

6747 Sierra Court, Suite J • **Dublin**, CA 94568 • (925) 551-7555 • 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



Source: Figure modified from drowing provided by Morrow Surveying, doted Februory, 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	REVIEWED BY	DATE	REVISED DATE
386395		June 15, 2009	

FILE NAME: P:\Enviro\Chevron\9-9708\Q09-9-9708.DWG | Layout Tab: Pot2

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-DRO (µg/L)	TPH-GRO (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	--	--	--

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-DRO (µg/L)	TPH-GRO (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)														
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	--	--	--
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	--	--	--
09/05/08[11]	97.52	85.39	12.13	--	200	1	<0.5	<0.5	<0.5	20	<50	--	--	--
12/15/08[11]	97.52	85.31	12.21	--	150	<0.5	<0.5	<0.5	<0.5	19	<50	--	--	--
03/16/09[11]	97.52	87.60	9.92	--	68	<0.5	<0.5	<0.5	<0.5	19	<50	--	--	--
06/15/09[11]	**97.52**	**85.97**	**11.55**	**--**	**210**	**3**	**<0.5**	**<0.5**	**<0.5**	**21**	**<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	--	--	--	--

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-DRO (µg/L)	TPH-GRO (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)														
06/23/00	96.91	83.98	12.93	--	1,700[4]	490	7.5	<5.0	7.7	770	--	--	--	--
09/30/00	96.91	83.95	12.96	--	2,000[4]	420	14	<10	<10	380	--	--	--	--
12/08/00	96.91	83.98	12.93	--	984	54.9	<2.50	4.15	<2.50	306	--	--	--	--
03/01/01	96.91	84.15	12.76	--	<50.0	4.16	<0.500	<0.500	<0.500	245	--	--	--	--
06/19/01	96.91	83.23	13.68	--	1,700[4]	250	9.2	<5.0	6.9	410	--	--	--	--
09/18/01	96.91	83.96	12.95	--	1,700	42	1.9	2.0	2.9	280	--	--	--	--
12/26/01	96.91	83.88	13.03	--	<50	0.50	<0.50	<0.50	<1.5	120	--	--	--	--
03/06/02	97.81	84.82	12.99	--	670	170	2.5	<0.50	<1.5	410	--	--	--	--
06/21/02	97.81	84.10	13.71	--	1,800	120	7.3	2.0	3.1	440	--	--	--	--
09/27/02	97.81	82.51	15.30	--	180	11	1.0	<0.50	<1.5	4,700	--	--	--	--
12/26/02	97.81	84.81	13.00	--	<50	<0.50	<0.50	<0.50	<1.5	160	--	--	--	--
03/28/03	97.81	84.46	13.35	--	580	88	2.2	22	12	280	--	--	--	--
06/16/03[11]	97.81	83.10	14.71	--	200	1	29	<0.5	<0.5	1,400	--	--	--	--
09/15/03[11]	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	--	--	--
09/05/08[11]	97.81	82.78	15.03	--	<50	<0.5	<0.5	<0.5	<0.5	130	<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-DRO (µg/L)	TPH-GRO (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)														
12/15/08[11]	97.81	82.63	15.18	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
03/16/09[11]	97.81	84.36	13.45	--	<50	<0.5	<0.5	<0.5	<0.5	6	<50	--	--	--
06/15/09[11]	**97.81**	**82.53**	**15.28**	**--**	**1,500**	**29**	**1**	**5**	**4**	**12**	**<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
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]	<1[8]	<0.8-<2[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]	0.8[8]	<0.5-<2[8]
09/15/03[11]	98.78	86.07	12.71	4,300	<50	<0.5	<0.5	<0.5	<1	<0.5	<50	<1[8]	0.8[8]	<0.8-<2[8]

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-DRO (µg/L)	TPH-GRO (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)														
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]
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]
12/15/08[11]	98.78	86.12	12.66	8,700	<50	<0.5	<0.5	<0.5	<1.0	<0.5	230	<1[8]	<0.5[8]	<0.8-<2[8]
03/16/09[11]	98.78	86.42	12.36	4,900	<50	<0.5	<0.5	<0.5	<1.0	<0.5	<50	<1[8]	<0.5[8]	<0.8-<2[8]
06/15/09[11]	**98.78**	**86.33**	**12.45**	**5,900**	**<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	--	--	--	--

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-DRO (µg/L)	TPH-GRO (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)														
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	--	--	--
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	--	--	--
12/15/08[11]	97.14	83.05	14.09	--	<50	<0.5	<0.5	<0.5	<0.5	0.8	<50	--	--	--
03/16/09[11]	97.14	83.58	13.56	--	<50	<0.5	<0.5	<0.5	<0.5	1	<50	--	--	--
06/15/09[11]	**97.14**	**83.05**	**14.09**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<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-DRO (µg/L)	TPH-GRO (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														
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	--	--	--
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	--	--	--
12/15/08[11]	95.71	83.25	12.46	--	<50	<0.5	<0.5	<0.5	<0.5	3	<50	--	--	--
03/16/09[11]	95.71	85.11	10.60	--	720	<0.5	<0.5	<0.5	<0.5	4	<50	--	--	--
06/15/09[11]	**95.71**	**83.25**	**12.46**	--	**490**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**2**	**<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-DRO (µg/L)	TPH-GRO (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-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	--	--	--
12/15/08[11]	95.84	84.58	11.26	--	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	--	--	--
03/16/09[11]	95.84	86.33	9.51	--	<50	<0.5	<0.5	<0.5	<0.5	2	<50	--	--	--
06/15/09[11]	**95.84**	**84.82**	**11.02**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**0.5**	**<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-DRO (µg/L)	TPH-GRO (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	--	--	--	--

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-DRO (µg/L)	TPH-GRO (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)														
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	--	--	--	--
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	--	--	--	--
12/15/08[11]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
03/16/09[11]	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	--	--
06/15/09[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
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH = Total Petroleum Hydrocarbons
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
1,2-DCB = 1,2-Dichlorobenzene
1,2-DCA = 1,2-Dichloroethane
(µg/L) = Micrograms per liter
(ppb) = Parts per billion
HVOC = Halogenated Volatile Organic Compounds
ND = Not Detected
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

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

♦ Analysis by EPA Method 8010.

1 Chromatogram pattern indicates an unidentified hydrocarbon.

2 Confirmation run.

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

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates unidentified hydrocarbons >C16.

6 Laboratory report indicates unidentified hydrocarbons C9-C24.

7 Laboratory report indicates unidentified hydrocarbons C6-C12.

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

9 Well development performed.

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

11 BTEX and MTBE analyzed 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 7 ppb.

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: 6-15-09 (inclusive)

City: **Oakland, CA** Sampler: Joe

Well ID **MW-1** Date Monitored: 6-15-09

Well Diameter **2** in.

Total Depth 20.24 ft.

Depth to Water 11.55 ft. ☐ Check if water column is less then 0.50 ft.

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

8.69 xVF 0.17 = 1.48 x3 case volume = Estimated Purge Volume: 4.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.28

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): 0945 Weather Conditions: cloudy

Sample Time/Date: 1015 / 6-15-09 Water Color: clear Odor: Y / N

Approx. Flow Rate: 2 gpm. Sediment Description:

Did well de-water? ____ If yes, Time: ____ Volume: ____ gal. DTW @ Sampling: 11.66

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0953	1.5	7.11	1115	19.5		
1000	3	7.31	1121	20.0		
1006	4.5	7.25	1118	19.6		

LABORATORY INFORMATION

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

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: 6-15-09 (inclusive)

City: **Oakland, CA** Sampler: Fo

Well ID **MW-2** Date Monitored: 6-15-09

Well Diameter **2** in.

Total Depth 20.25 ft.

Depth to Water 15.28 ft. ☐ Check if water column is less then 0.50 ft.

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

4.97 xVF 0.17 = 0.84 x3 case volume = Estimated Purge Volume: 3 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 16.27

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): 1025 Weather Conditions: cloudy

Sample Time/Date: 1100 / 6-15-09 Water Color: clear Odor: Y (N)

Approx. Flow Rate: ~ gpm. Sediment Description:

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 16.13

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1034	1	6.88	891	19.5		
~~1040~~	2	6.90	923	19.1		
1045	3	6.82	931	19.3		

LABORATORY INFORMATION

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

COMMENTS: slow recovery

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: 6-15-09 (inclusive)

City: **Oakland, CA** Sampler: JC

Well ID MW-3 Date Monitored: 6-15-09

Well Diameter 2 in.

Total Depth 20.15 ft.

Depth to Water 12.45 ft.

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

☐ Check if water column is less then 0.50 ft.

7.70 xVF 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]: 13.97

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): 1112 Weather Conditions: cloudy

Sample Time/Date: 1140 / 6-15-09 Water Color: clear Odor: Y / N slight

Approx. Flow Rate: ~ gpm. Sediment Description:

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 13.36

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1120	1	6.56	1010	19.3		
1125	2.5	6.62	954	19.1		
1130	4	6.65	963	19.7		

LABORATORY INFORMATION

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

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: 6-15-09 (inclusive)

City: **Oakland, CA** Sampler: Joe

Well ID MW-4

Well Diameter 2 in.

Total Depth 19.65 ft.

Depth to Water 14.09 ft.

Date Monitored: 6-15-09

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

☐ Check if water column is less then 0.50 ft.

5.56 xVF 0.17 = 0.95 x3 case volume = Estimated Purge Volume: 3 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 15.20

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): 0850 Weather Conditions: cloudy

Sample Time/Date: 0930 6-15-09 Water Color: clear Odor: Y / (N)

Approx. Flow Rate: gpm. Sediment Description:

Did well de-water? If yes, Time: Volume: gal. DTW @ Sampling: 14.78

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0900	1	6.98	1431	18.4		
0908	2	7.15	1397	18.5		
0916	3	7.20	1382	18.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)
	x voa vial	YES	HCL	LANCASTER	HVOC's (8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-DRO (8015)

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: 6-15-09 (inclusive)

City: **Oakland, CA** Sampler: JC

Well ID **MW-5** Date Monitored: 6-15-09

Well Diameter **2** in.

Total Depth 18.73 ft.

Depth to Water 12.46 ft. ☐ Check if water column is less then 0.50 ft.

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

6.27 xVF 0.17 = 1.07 x3 case volume = Estimated Purge Volume: 3.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.71

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): 0815 Weather Conditions: cloudy

Sample Time/Date: 0845 / 6-15-09 Water Color: clear Odor: Y / N consider slt

Approx. Flow Rate: ~ gpm. Sediment Description:

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 12.94

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - ~~uS~~)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0823	1	7.17	1207	19.6		
0830	2	6.91	1233	19.3		
0835	3.5	6.87	1236	19.1		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)/ ETHANOL (8260)
	x voa vial	YES	HCL	LANCASTER	HVOC's (8260)
	x 500ml ambers	YES	NP	LANCASTER	TPH-DRO (8015)

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: 6-15-09 (inclusive)

City: **Oakland, CA** Sampler: Joe

Well ID **MW-6** Date Monitored: 6-15-09

Well Diameter **2** in.

Total Depth 18.87 ft.

Depth to Water 11.02 ft. ☐ Check if water column is less then 0.50 ft.

7.85 xVF 0.17 = 1.33 x3 case volume = Estimated Purge Volume: 4 gal.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	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]: 12.59

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): 0720 Weather Conditions: cloudy

Sample Time/Date: 0805 / 6-15-09 Water Color: clear Odor: Y / (N)

Approx. Flow Rate: ~ gpm. Sediment Description:

Did well de-water? _____ If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 11.03

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (US))	Temperature ((F) C)	D.O. (mg/L)	ORP (mV)
0730	1.5	7.46	1285	19.5		
0738	3	7.36	1315	19.2		
0746	4	7.49	1316	19.7		

LABORATORY INFORMATION

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

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

06169-04

For Lancaster Laboratories use only
Acct. #: 10904 Sample # 5701340-46 Group #: 017282
1149504

Facility #: SS#9-9708-OML G-R#386395 Global ID#T0600102093
Site Address: 5910 MACARTHUR BLVD., OAKLAND, CA
Chevron PM: IR Lead Consultant: CRACE
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: JOE AJEMIAN

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil ☐ Air	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method	Ethanol (8260)	HVOC's (8260)
QA	—	—	✓			✓		2	✓	✓							
MW-1	6-15-09	1015						6	✓	✓						✓	
MW-2		1100						6	✓	✓						✓	
MW-3		1140						11	✓	✓	✓					✓	✓
MW-4		0930						6	✓	✓						✓	
MW-5		0845						6	✓	✓						✓	
MW-6		0805						6	✓	✓						✓	

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 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

Comments / Remarks

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

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

Relinquished by:	Date	Time	Received by:	Date	Time
	6-16-09	1615		16JUN09	1015
Relinquished by:	Date	Time	Received by:	Date	Time
	16JUN09	1630	FEDEX		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
				17JUN09	0900
Temperature Upon Receipt 4.2 C°			Custody Seals Intact? Yes No		

Lancaster Laboratories

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Analysis Report

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

June 29, 2009

SAMPLE GROUP

The sample group for this submittal is 1149504. Samples arrived at the laboratory on Wednesday, June 17, 2009. The PO# for this group is 0015039978 and the release number is ROBB.

Client Description	Lancaster Labs Number
QA-T-090615 NA Water	5701340
MW-1-W-090615 Grab Water	5701341
MW-2-W-090615 Grab Water	5701342
MW-3-W-090615 Grab Water	5701343
MW-4-W-090615 Grab Water	5701344
MW-5-W-090615 Grab Water	5701345
MW-6-W-090615 Grab Water	5701346

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

ELECTRONIC COPY TO CRA c/o Gettler-Ryan Attn: Cheryl Hansen

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

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5701340

Group No. 1149504
CA

QA-T-090615 NA Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 QA

Collected: 06/15/2009

Account Number: 10904

Submitted: 06/17/2009 09:05
Reported: 06/29/2009 at 16:48
Discard: 07/30/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

9708Q

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	
06054	Benzene	71-43-2	N.D.	0.5	1
06054	Ethylbenzene	100-41-4	N.D.	0.5	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
06054	Toluene	108-88-3	N.D.	0.5	1
06054	Xylene (Total)	1330-20-7	N.D.	0.5	1
SW-846 8015B	**GC Volatiles**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	Z091741AA	06/23/2009 12:05	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091741AA	06/23/2009 12:05	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09169B07A	06/20/2009 15:32	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09169B07A	06/20/2009 15:32	Marie D John	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5701341

Group No. 1149504
CA

MW-1-W-090615 Grab Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 MW-1

Collected: 06/15/2009 10:15 by JA

Account Number: 10904

Submitted: 06/17/2009 09:05
Reported: 06/29/2009 at 16:48
Discard: 07/30/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

97081

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		ug/l	ug/l	
06067	Benzene	71-43-2	3	0.5	1
06067	Ethanol	64-17-5	N.D.	50	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	21	0.5	1
06067	Toluene	108-88-3	N.D.	0.5	1
06067	Xylene (Total)	1330-20-7	N.D.	0.5	1
SW-846 8015B	**GC Volatiles**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	210	50	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z091741AA	06/23/2009 12:30	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091741AA	06/23/2009 12:30	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09169B07A	06/20/2009 20:30	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09169B07A	06/20/2009 20:30	Marie D John	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5701342

Group No. 1149504
CA

MW-2-W-090615 Grab Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 MW-2

Collected: 06/15/2009 11:00 by JA

Account Number: 10904

Submitted: 06/17/2009 09:05
Reported: 06/29/2009 at 16:48
Discard: 07/30/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

97082

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		ug/l	ug/l	
06067	Benzene	71-43-2	29	0.5	1
06067	Ethanol	64-17-5	N.D.	50	1
06067	Ethylbenzene	100-41-4	5	0.5	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	12	0.5	1
06067	Toluene	108-88-3	1	0.5	1
06067	Xylene (Total)	1330-20-7	4	0.5	1
SW-846 8015B	**GC Volatiles**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,500	50	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z091741AA	06/23/2009 12:56	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091741AA	06/23/2009 12:56	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09169B07A	06/20/2009 20:57	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	09169B07A	06/20/2009 20:57	Marie D John	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5701343

Group No. 1149504
CA

MW-3-W-090615 Grab Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 MW-3

Collected: 06/15/2009 11:40 by JA

Account Number: 10904

Submitted: 06/17/2009 09:05
Reported: 06/29/2009 at 16:48
Discard: 07/30/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

97083

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	
05382	Benzene	71-43-2	N.D.	0.5	1
05382	Bromodichloromethane	75-27-4	N.D.	1	1
05382	Bromoform	75-25-2	N.D.	1	1
05382	Bromomethane	74-83-9	N.D.	1	1
05382	Carbon Tetrachloride	56-23-5	N.D.	1	1
05382	Chlorobenzene	108-90-7	N.D.	0.8	1
05382	Chloroethane	75-00-3	N.D.	1	1
05382	Chloroform	67-66-3	N.D.	0.8	1
05382	Chloromethane	74-87-3	N.D.	1	1
05382	Dibromochloromethane	124-48-1	N.D.	1	1
05382	1,2-Dichlorobenzene	95-50-1	N.D.	1	1
05382	1,3-Dichlorobenzene	541-73-1	N.D.	1	1
05382	1,4-Dichlorobenzene	106-46-7	N.D.	1	1
05382	1,1-Dichloroethane	75-34-3	N.D.	1	1
05382	1,2-Dichloroethane	107-06-2	N.D.	0.5	1
05382	1,1-Dichloroethene	75-35-4	N.D.	0.8	1
05382	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	1
05382	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	1
05382	1,2-Dichloropropane	78-87-5	N.D.	1	1
08202	cis-1,3-Dichloropropene	10061-01-5	N.D.	1	1
08202	trans-1,3-Dichloropropene	10061-02-6	N.D.	1	1
08202	Ethanol	64-17-5	N.D.	50	1
05382	Ethylbenzene	100-41-4	N.D.	0.5	1
08202	Freon 113	76-13-1	N.D.	2	1
08202	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
05382	Methylene Chloride	75-09-2	N.D.	2	1
05382	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1	1
05382	Tetrachloroethene	127-18-4	N.D.	0.8	1
05382	Toluene	108-88-3	N.D.	0.5	1
05382	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	1
05382	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	1
05382	Trichloroethene	79-01-6	N.D.	1	1
05382	Trichlorofluoromethane	75-69-4	N.D.	2	1
05382	Vinyl Chloride	75-01-4	N.D.	1	1
05382	m+p-Xylene	179601-23-1	N.D.	0.5	1
05382	o-Xylene	95-47-6	N.D.	0.5	1
SW-846 8015B	**GC Volatiles**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
SW-846 8015B	**GC Extractable TPH**		**ug/l**	**ug/l**	
06609	TPH-DRO CA C10-C28	n.a.	5,900	50	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5701343

Group No. 1149504
CA

MW-3-W-090615 Grab Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 MW-3

Collected: 06/15/2009 11:40 by JA

Account Number: 10904

Submitted: 06/17/2009 09:05
Reported: 06/29/2009 at 16:48
Discard: 07/30/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

97083

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	N091781AA	06/27/2009 17:32	Chelsea B Eastep	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	N091781AA	06/27/2009 17:32	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N091781AA	06/27/2009 17:32	Chelsea B Eastep	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09170A54A	06/19/2009 14:08	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09170A54A	06/19/2009 14:08	Katrina T Longenecker	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	091680022A	06/19/2009 23:39	Lisa A Reinert	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	091680022A	06/18/2009 09:35	Cynthia J Salvatori	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5701344

Group No. 1149504
CA

MW-4-W-090615 Grab Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 MW-4

Collected: 06/15/2009 09:30 by JA

Account Number: 10904

Submitted: 06/17/2009 09:05
Reported: 06/29/2009 at 16:48
Discard: 07/30/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

97084

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	
06067	Benzene	71-43-2	N.D.	0.5	1
06067	Ethanol	64-17-5	N.D.	50	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
06067	Toluene	108-88-3	N.D.	0.5	1
06067	Xylene (Total)	1330-20-7	N.D.	0.5	1
SW-846 8015B	**GC Volatiles**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z091741AA	06/23/2009 13:21	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091741AA	06/23/2009 13:21	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09170A54A	06/19/2009 14:32	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09170A54A	06/19/2009 14:32	Katrina T Longenecker	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5701345

Group No. 1149504
CA

MW-5-W-090615 Grab Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 MW-5

Collected: 06/15/2009 08:45 by JA

Account Number: 10904

Submitted: 06/17/2009 09:05
Reported: 06/29/2009 at 16:48
Discard: 07/30/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

97085

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	
06067	Benzene	71-43-2	N.D.	0.5	1
06067	Ethanol	64-17-5	N.D.	50	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	2	0.5	1
06067	Toluene	108-88-3	N.D.	0.5	1
06067	Xylene (Total)	1330-20-7	N.D.	0.5	1
SW-846 8015B	**GC Volatiles**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	490	50	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z091741AA	06/23/2009 13:46	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091741AA	06/23/2009 13:46	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09170A54A	06/19/2009 14:55	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09170A54A	06/19/2009 14:55	Katrina T Longenecker	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5701346

Group No. 1149504
CA

MW-6-W-090615 Grab Water
Facility# 99708 Job# 386395 GRD
5910 MacArthur-Oakland T0600102093 MW-6

Collected: 06/15/2009 08:05 by JA

Account Number: 10904

Submitted: 06/17/2009 09:05
Reported: 06/29/2009 at 16:48
Discard: 07/30/2009

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

97086

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	
06067	Benzene	71-43-2	N.D.	0.5	1
06067	Ethanol	64-17-5	N.D.	50	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	0.5	0.5	1
06067	Toluene	108-88-3	N.D.	0.5	1
06067	Xylene (Total)	1330-20-7	N.D.	0.5	1
SW-846 8015B	**GC Volatiles**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1

General Sample Comments

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#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z091741AA	06/23/2009 14:11	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091741AA	06/23/2009 14:11	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09170A54A	06/19/2009 15:19	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09170A54A	06/19/2009 15:19	Katrina T Longenecker	1

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Analysis Report

Quality Control Summary

Client Name: Chevron
Reported: 06/29/09 at 04:48 PM

Group Number: 1149504

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: N091781AA	Sample number(s): 5701343							
Benzene	N.D.	0.5	ug/l	95		80-116		
Bromodichloromethane	N.D.	1.	ug/l	93		79-118		
Bromoform	N.D.	1.	ug/l	84		67-112		
Bromomethane	N.D.	1.	ug/l	68		45-126		
Carbon Tetrachloride	N.D.	1.	ug/l	90		75-123		
Chlorobenzene	N.D.	0.8	ug/l	96		82-111		
Chloroethane	N.D.	1.	ug/l	84		55-119		
Chloroform	N.D.	0.8	ug/l	96		77-122		
Chloromethane	N.D.	1.	ug/l	95		65-134		
Dibromochloromethane	N.D.	1.	ug/l	89		78-113		
1,2-Dichlorobenzene	N.D.	1.	ug/l	93		85-107		
1,3-Dichlorobenzene	N.D.	1.	ug/l	94		82-110		
1,4-Dichlorobenzene	N.D.	1.	ug/l	95		85-107		
1,1-Dichloroethane	N.D.	1.	ug/l	95		79-120		
1,2-Dichloroethane	N.D.	0.5	ug/l	97		70-130		
1,1-Dichloroethene	N.D.	0.8	ug/l	97		77-119		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	95		85-115		
trans-1,2-Dichloroethene	N.D.	0.8	ug/l	95		83-116		
1,2-Dichloropropane	N.D.	1.	ug/l	95		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	93		82-113		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	90		77-116		
Ethanol	N.D.	50.	ug/l	108		40-158		
Ethylbenzene	N.D.	0.5	ug/l	94		80-113		
Freon 113	N.D.	2.	ug/l	98		75-127		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	89		78-117		
Methylene Chloride	N.D.	2.	ug/l	95		81-116		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	93		71-117		
Tetrachloroethene	N.D.	0.8	ug/l	94		79-115		
Toluene	N.D.	0.5	ug/l	95		80-115		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	91		81-137		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	95		83-113		
Trichloroethene	N.D.	1.	ug/l	99		85-114		
Trichlorofluoromethane	N.D.	2.	ug/l	91		64-129		
Vinyl Chloride	N.D.	1.	ug/l	87		63-129		
m+p-Xylene	N.D.	0.5	ug/l	94		81-114		
o-Xylene	N.D.	0.5	ug/l	95		81-114		
Batch number: Z091741AA	Sample number(s): 5701340-5701342,5701344-5701346							
Benzene	N.D.	0.5	ug/l	92		80-116		
Ethanol	N.D.	50.	ug/l	98		40-158		
Ethylbenzene	N.D.	0.5	ug/l	101		80-113		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94		78-117		
Toluene	N.D.	0.5	ug/l	101		80-115		
Xylene (Total)	N.D.	0.5	ug/l	102		81-114		
Batch number: 09169B07A	Sample number(s): 5701340-5701342							

*- 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
Group Number: 1149504
Reported: 06/29/09 at 04:48 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	118	118	75-135	0	30
Batch number: 09170A54A	Sample number(s): 5701343-5701346							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	118	75-135	17	30
Batch number: 091680022A	Sample number(s): 5701343							
TPH-DRO CA C10-C28	N.D.	32.	ug/l	71	73	56-122	2	20

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: N091781AA	Sample number(s): 5701343 UNSPK: P708400								
Benzene	102	102	80-126	0	30				
Bromodichloromethane	96	97	78-125	1	30				
Bromoform	85	86	62-113	1	30				
Bromomethane	78	80	48-136	3	30				
Carbon Tetrachloride	100	101	81-138	1	30				
Chlorobenzene	100	100	86-118	0	30				
Chloroethane	94	88	58-134	7	30				
Chloroform	101	103	81-134	2	30				
Chloromethane	107	108	67-154	1	30				
Dibromochloromethane	91	94	74-116	2	30				
1,2-Dichlorobenzene	99	99	83-113	0	30				
1,3-Dichlorobenzene	100	101	82-115	1	30				
1,4-Dichlorobenzene	101	101	83-113	0	30				
1,1-Dichloroethane	103	102	84-129	0	30				
1,2-Dichloroethane	100	100	66-141	0	30				
1,1-Dichloroethene	107	108	87-134	1	30				
cis-1,2-Dichloroethene	100	101	85-125	1	30				
trans-1,2-Dichloroethene	104	104	87-126	0	30				
1,2-Dichloropropane	99	99	83-124	0	30				
cis-1,3-Dichloropropene	96	97	77-117	1	30				
trans-1,3-Dichloropropene	93	95	74-119	3	30				
Ethanol	107	104	37-164	3	30				
Ethylbenzene	101	101	77-125	1	30				
Freon 113	116	116	89-148	0	30				
Methyl Tertiary Butyl Ether	90	91	72-126	0	30				
Methylene Chloride	95	96	79-120	1	30				
1,1,2,2-Tetrachloroethane	95	94	73-119	1	30				
Tetrachloroethene	103	103	80-128	0	30				
Toluene	101	101	80-125	0	30				
1,1,1-Trichloroethane	99	100	85-151	0	30				
1,1,2-Trichloroethane	98	98	77-124	1	30				
Trichloroethene	105	108	88-125	2	30				
Trichlorofluoromethane	110	113	73-152	3	30				
Vinyl Chloride	101	100	65-147	1	30				
m+p-Xylene	101	101	79-125	0	30				
o-Xylene	99	101	79-125	1	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: 06/29/09 at 04:48 PM

Group Number: 1149504

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Z091741AA	Sample number(s): 5701340-5701342,5701344-5701346 UNSPK: P701337								
Benzene	97	99	80-126	2	30				
Ethanol	112	116	37-164	4	30				
Ethylbenzene	108	105	77-125	3	30				
Methyl Tertiary Butyl Ether	41 (2)	42 (2)	72-126	0	30				
Toluene	108	105	80-125	3	30				
Xylene (Total)	107	105	79-125	2	30				
Batch number: 09169B07A	Sample number(s): 5701340-5701342 UNSPK: P701200								
TPH-GRO N. CA water C6-C12	100		63-154						
Batch number: 09170A54A	Sample number(s): 5701343-5701346 UNSPK: 5701343								
TPH-GRO N. CA water C6-C12	100		63-154						

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: EPA SW846/8260 (water)
Batch number: N091781AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5701343	88	88	92	89
Blank	87	90	91	88
LCS	89	92	91	91
MS	89	89	92	91
MSD	89	87	91	90
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+MTBE by 8260B
Batch number: Z091741AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5701340	83	81	92	86
5701341	82	84	90	87
5701342	81	80	90	90
5701344	82	79	91	86
5701345	83	83	90	88
5701346	83	80	90	85
Blank	81	81	91	87
LCS	82	83	92	89
MS	82	85	94	91
MSD	81	81	89	86
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12

*- 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: 06/29/09 at 04:48 PM

Group Number: 1149504

Surrogate Quality Control

Batch number: 09169B07A

	Trifluorotoluene-F
5701340	105
5701341	104
5701342	142*
Blank	100
LCS	113
LCSD	115
MS	111
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09170A54A

	Trifluorotoluene-F
5701343	111
5701344	115
5701345	111
5701346	114
LCS	120
LCSD	125
MS	116
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28
Batch number: 091680022A

	Orthoterphenyl
5701343	125
Blank	81
LCS	107
LCSD	110
Limits:	59-131

*- 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 limit of quantitation, 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 quatitated 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.

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