Stacie H. Frerichs
Team Lead
Marketing Business Unit

Chevron Environmental Management Company
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9655
Fax (925) 842-8370

June 23, 2009
(date)

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

Re: Chevron Facility #_9-8341_____

Address: 3530 MacArthur Boulevard, Oakland, California_____

I have reviewed the attached report titled *Second Quarter 2009 Groundwater Monitoring Report*_____ and dated June 23, 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 Conestoga-Rovers & Associates, 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,

SH Frerichs

Stacie H. Frerichs
Project Manager

Enclosure: Report

CONESTOGA-ROVERS
& ASSOCIATES

2000 Opportunity Dr, Suite 110, Roseville, California 95678
Telephone: 916-751-4100 Facsimile: 916-751-4199
www.CRAworld.com

June 23, 2009

Reference No. 611650

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

Re: Second Quarter 2009 Groundwater Monitoring Report
Former Chevron Service Station No. 9-8341
3530 MacArthur Boulevard
Oakland, California
LOP Case #RO0000405

Dear Mr. Plunkett:

Conestoga-Rovers & Associates (CRA) is submitting the attached *Groundwater Monitoring and Sampling Report* (report) to Alameda County Environmental Health (ACEH) on behalf of Chevron Environmental Management Company (Chevron) for the site referenced above. The report (prepared by Gettler-Ryan Inc. and dated June 4, 2009) presents the results of the monitoring and sampling of wells MW-1 through MW-3 during second quarter 2009. These wells are monitored and sampled on a quarterly basis. Also attached are Figure 1 (Vicinity Map) showing the site location, and Figure 2 (Concentration Map) presenting the second quarter 2009 analytical results along with a rose diagram.

In our February 6, 2009 *Fourth Quarter 2008 Groundwater Monitoring Report and Proposed Sampling Reductions*, we proposed a reduction in the sampling frequency of wells MW-1 and MW-3 to semi-annual. However, a response has not been received from ACEH to date. Please note that if we do not receive a response regarding the proposed sampling reductions, we will assume consent and will implement them beginning in third quarter 2009.

CONESTOGA-ROVERS
& ASSOCIATES

June 23, 2009 Reference No. 611650

Please contact Mr. James Kiernan at (916) 751-4102 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Christopher J. Benedict

James P. Kiernan, P.E. #C68498

REGISTERED PROFESSIONAL ENGINEER
JAMES P. KIERNAN
No. 68498
Exp. 9/30/09
CIVIL
STATE OF CALIFORNIA

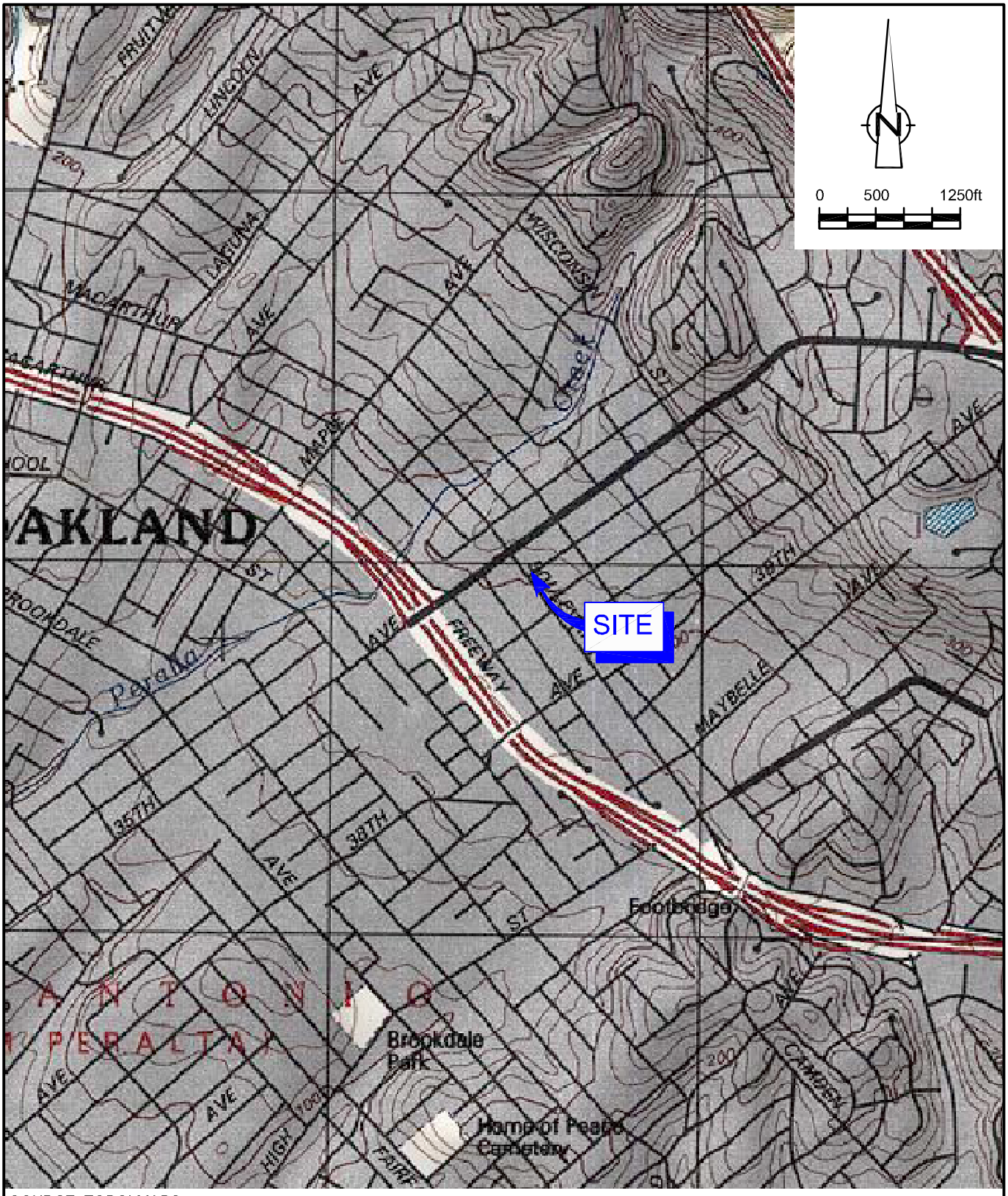
CB/kw/5
Encl.

Figure 1	Vicinity Map
Figure 2	Concentration Map – May 8, 2009

Attachment A Second Quarter 2009 Groundwater Monitoring and Sampling Report

cc: Ms. Stacie Frerichs, Chevron Environmental Management Company
Mr. Hai Pham, 3530 MacArthur Blvd Gas Station, Inc.

FIGURES



SOURCE: TOPO! MAPS.

figure 1

VICINITY MAP
CHEVRON SERVICE STATION 9-8341
3530 MACARTHUR BOULEVARD
Oakland, California

611650-199(005)GN-WA001 JUN 19/2009

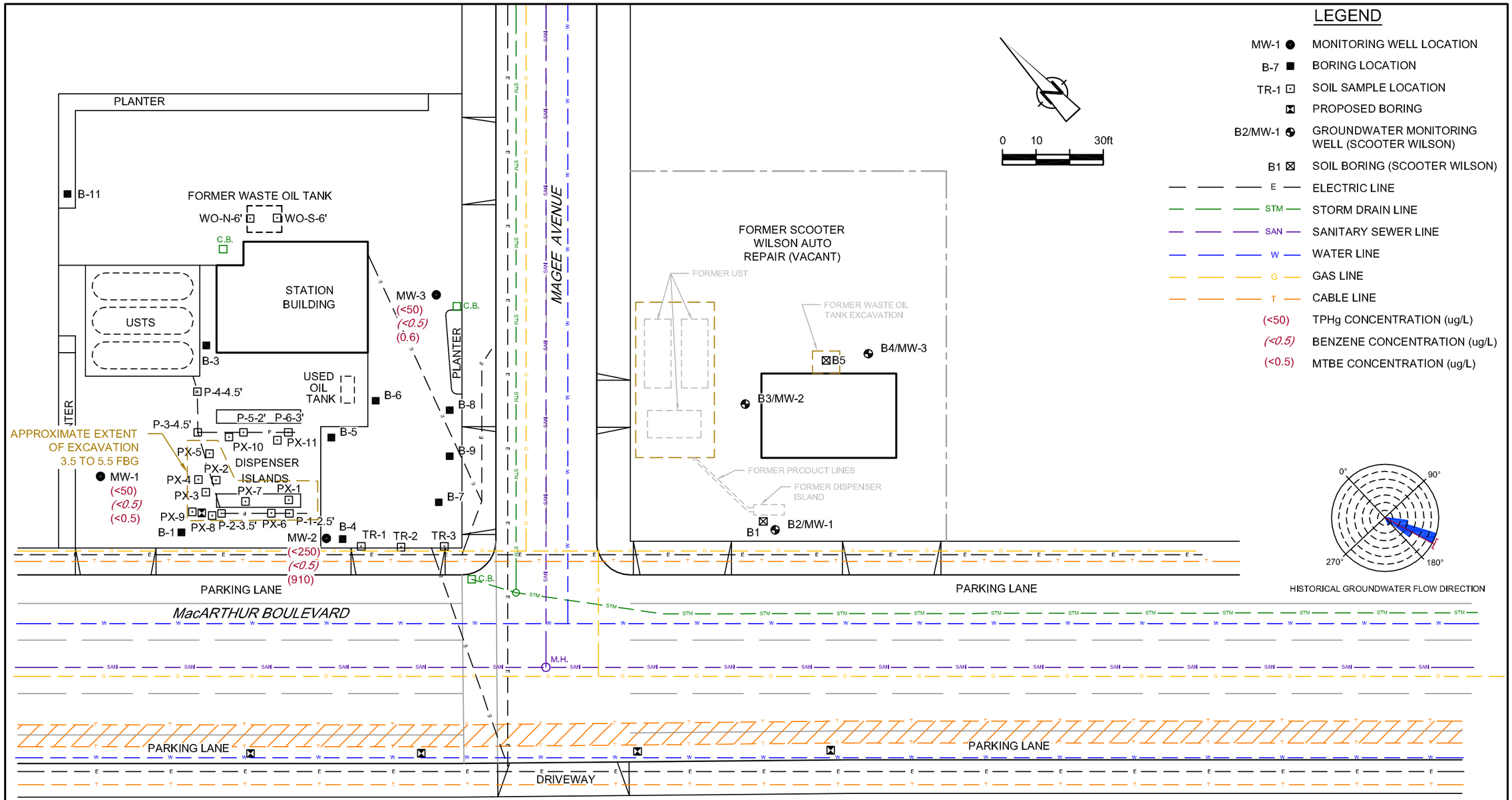


figure 2

CONCENTRATION MAP - MAY 8, 2009
FORMER CHEVRON SERVICE STATION 9-8341
3530 MACARTHUR BOULEVARD
Oakland, California

611650-199(005)GN-WA002 JUN 23/2009

ATTACHMENT A

SECOND QUARTER 2009 GROUNDWATER MONITORING AND SAMPLING REPORT

GETTLER-RYAN INC.

TRANSMITTAL

June 10, 2009
G-R #386346

TO: Mr. James Kiernan
Conestoga-Rovers & Associates
2000 Opportunity Drive, Suite 110
Roseville, California 95678

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

RE: Chevron Service Station
#9-8341 MTI
3530 MacArthur Boulevard
Oakland, California
RO 0000405
RWQCB-Case No. 01-1930

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
2	June 4, 2009	Groundwater Monitoring and Sampling Report **Second Quarter Event of May 8, 2009**

COMMENTS:

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

Ms. Stacie H. Frerichs, Chevron EMC, 6111 Bollinger Canyon Road, Room 3596, San Ramon, CA 94583

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***June 24, 2009,*** at which time this final report will be distributed to the following:

cc: Mr. Chuck Headlee, RWQCB-S.F. Bay Region, 1515 Clay St., Suite 1400, Oakland. CA 94612
(No Hard Copy)
Mr. Steven Plunkett, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
(No Hard Copy-UPLOAD TO ALAMEDA CO.)
Mr. Hai Pham, Property Owner, 3530 MacArthur Blvd. Gas Station, Inc., 3530 MacArthur Blvd., Oakland. CA 94619

Enclosures

trans/9-8341-SHF

Chevron

Stacie H. Frerichs
Team Lead
Marketing Business Unit

Chevron Environmental Management Company
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9655
Fax (925) 842-8370

June 10, 2009
(date)

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

Re: Chevron Facility #9-8341

Address: 3530 MacArthur Blvd.,Oakland, California

I have reviewed the attached routine groundwater monitoring report dated June 10. 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,

SHFrerichs

Stacie H. Frerichs
Project Manager

Enclosure: Report

WELL CONDITION STATUS SHEET

Client/Facility #: **Chevron #9-8341**
Site Address: **3530 Macarthur Blvd.**
City: **Oakland, CA**

Job # **386346**
Event Date: 5/8/09
Sampler: SR

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	ok	NA	NA	NA	ok	→	→	N	N	2' round vault	
MW-2	ok	→	→	→	→	→	→	N	N	8"/Boart-Ingyr/3	
MW-3	ok	→	→	2(S)	ok	→	→	N	N	12"/Morrison/2	

Comments _____

GETTLER-RYAN INC.

June 4, 2009
G-R Job #386346

Ms. Stacie H. Frerichs
Chevron Environmental Management Company
6111 Bollinger Canyon Road, Room 3596
San Ramon, CA 94583

RE: Second Quarter Event of May 8, 2009
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-8341
3530 MacArthur Boulevard
Oakland, California

Dear Ms. Frerichs:

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.

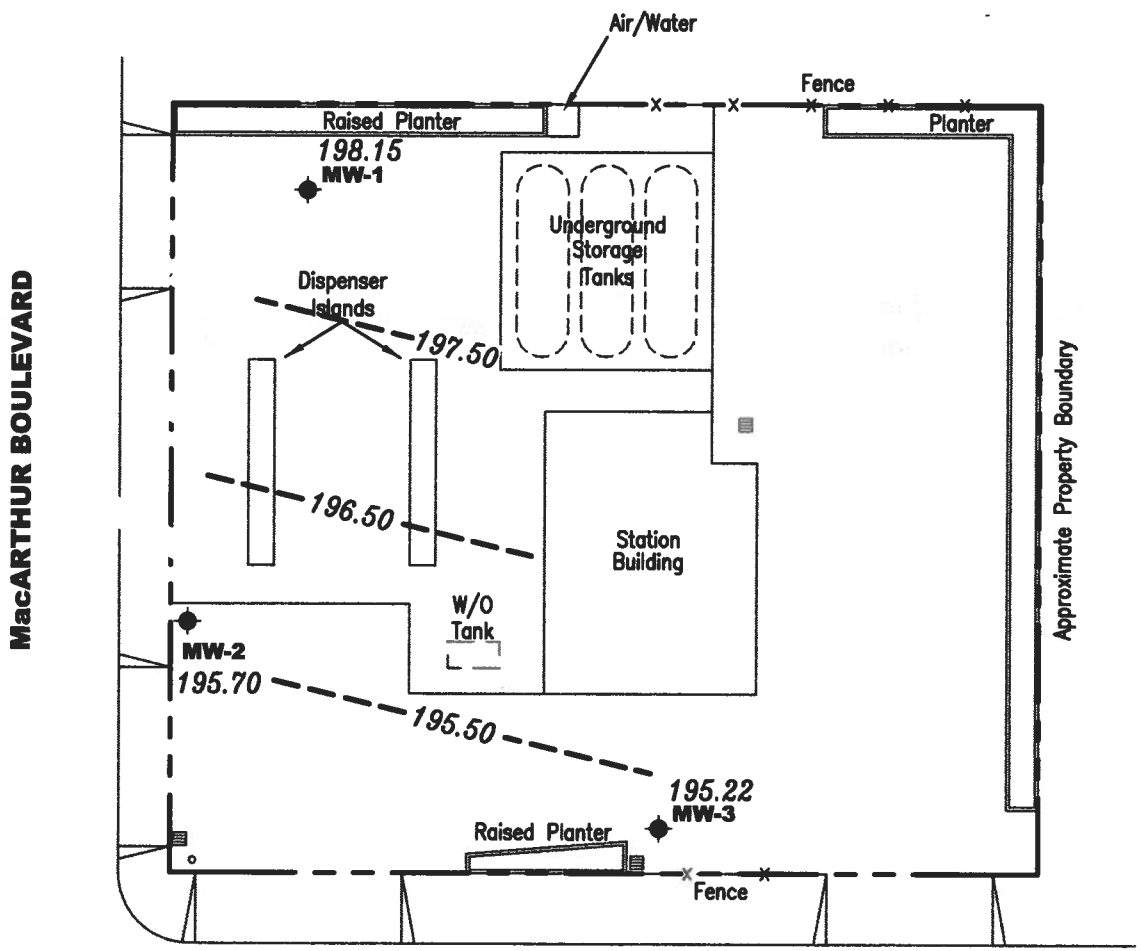
Sincerely,

Deanna L. Harding
Project Coordinator

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

PROFESSIONAL GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

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



EXPLANATION

- Groundwater monitoring well
- 99.99 — Groundwater elevation in feet referenced to Mean Sea Level
- 99.99 — Groundwater elevation contour, dashed where inferred

Approximate groundwater flow direction at a gradient of 0.03 Ft./Ft.

N

0 30

Scale in Feet

Gettler - Ryan Inc.
6747 Sierra Court, Suite J
Dublin, CA 94568
(925) 551-7555

POTENTIOMETRIC MAP
Chevron Service Station #9-8341
3530 MacArthur Boulevard
Oakland, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
386346		May 8, 2009	

FILE NAME: P:\Enviro\Chevron\9-8341\Q09-9-8341.dwg | Layout Tab: Pot2

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-8341

3530 MacArthur Boulevard

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL♦ (µg/L)
MW-1										
04/04/96	202.47	198.65	3.82	<50	<0.5	<0.5	<0.5	<0.5	ND	--
11/01/96	202.47	196.97	2.75	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/06/97	202.47	197.45	4.76	<50	<0.5	<0.5	<0.5	<0.5	14	--
04/14/97	202.47	199.72	5.75	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/17/97	202.47	197.71	5.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	202.47	196.72		<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/04/98	202.47	5.02	2.67	<50	4.2	<0.5	<0.5	<0.5	94	--
04/03/98	202.47	197.06	5.41	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/29/98	202.47	192.26	10.21	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/26/98	202.47	195.66	6.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/18/99	202.47	196.05	6.42	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
04/15/99	202.47	197.13	5.34	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
07/22/99	202.47	196.97	5.50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/13/99	202.47	196.43	6.04	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/21/00	202.47	197.11	5.36	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/10/00	202.47	197.60	4.87	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
07/12/00	202.47	197.05	5.42	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
10/05/00	202.47	196.79	5.68	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
01/05/01	202.47	197.30	5.17	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
04/05/01	202.47	197.83	4.64	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/20/01	202.47	197.29	5.18	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
11/26/01	202.47	197.65	4.82	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/14/02	202.47	197.68	4.79	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/07/02	202.47	197.55	4.92	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/02/02	202.47	197.36	5.11	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/11/02	202.47	197.40	5.07	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/03/03	202.47	197.69	4.78	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/05/03	202.47	198.86	3.61	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/04/03[4]	202.47	197.39	5.08	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
11/19/03[4]	202.47	197.44	5.03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
02/16/04[4]	202.47	198.01	4.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/03/04[4]	202.47	197.52	4.95	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
08/20/04[4]	202.47	197.22	5.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
11/15/04[4]	202.47	197.86	4.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
02/14/05[4]	202.47	198.18	4.29	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
05/16/05[4]	202.47	198.62	3.85	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-8341

3530 MacArthur Boulevard

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL♦ (µg/L)
MW-1 (cont)										
08/31/05[4]	202.47	197.19	5.28	69	12	12	<0.5	12	<0.5	--
11/30/05[4]	202.47	197.36	5.11	<50	<0.5	<0.5	<0.5	1	<0.5	--
02/17/06[4]	202.47	198.47	4.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/19/06[4]	202.47	198.09	4.38	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/25/06[4]	202.47	197.23	5.24	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/22/06[4]	202.47	197.09	5.38	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/01/07[4]	202.47	198.00	4.47	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
04/30/07[4]	202.47	197.96	4.51	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/31/07[4]	202.47	197.40	5.07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
10/27/07[4]	202.47	197.46	5.01	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/08/08[4]	202.47	199.06	3.41	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/02/08[4]	202.47	198.17	4.30	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/31/08[4]	202.47	197.26	5.21	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/13/08[4]	202.47	197.65	4.82	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/13/09[4]	202.47	198.40	4.07	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/08/09[4]	**202.47**	**198.15**	**4.32**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**
MW-2										
04/04/96	198.88	196.07	2.81	<50	<0.5	<0.5	<0.5	<0.5	6,100	--
11/01/96	198.88	195.27	3.61	<500	<5.0	<5.0	<5.0	<5.0	2,600	--
01/06/97	198.88	195.97	2.91	<2,000	31	<20	<20	<20	4,000	--
04/14/97	198.88	195.43	3.45	<2,000	<20	<20	<20	<20	5,100/5,800[1]	--
07/17/97	198.88	194.98	3.90	<500	<5.0	<5.0	<5.0	<5.0	2,300/2,900[1]	--
10/29/97	198.88	192.96	5.92	120[2]	12	<0.5	<0.5	<0.5	810/900[1]	--
02/04/98	198.88	195.05	3.83	<1,000	<10	<10	<10	<10	2,100/2,800[1]	--
04/03/98	198.88	191.55	7.33	<1,000	<10	<10	<10	<10	3,800/3,600[1]	--
07/29/98	198.88	189.86	9.02	120[3]	<0.5	<0.5	<0.5	<0.5	2,800/3,900[1]	--
10/26/98	198.88	192.77	6.11	<50	<0.5	<0.5	<0.5	<0.5	1,200	--
01/18/99	198.88	194.67	4.21	<1,000	<10	<10	<10	10.5	2,530	--
04/15/99	198.88	194.56	4.32	<50	<0.5	<0.5	<0.5	<0.5	5,270	--
07/22/99	198.88	193.73	5.15	<50	8.92	<0.5	<0.5	<0.5	1,450	--
10/13/99	198.88	192.23	6.65	<250	<2.5	<2.5	<2.5	<2.5	1,740	--
01/21/00	198.88	192.78	6.10	69.6	<0.5	<0.5	<0.5	<0.5	1,110	--
04/10/00	198.88	194.42	4.46	<500	<5.0	<5.0	<5.0	<5.0	1,700	--
07/12/00	198.88	195.24	3.64	<50.0	<0.500	<0.500	<0.500	<0.500	187	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-8341

3530 MacArthur Boulevard

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL♦ (µg/L)
MW-2 (cont)										
10/05/00	198.88	194.06	4.82	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
01/05/01	198.88	195.17	3.71	<50	<0.50	<0.50	<0.50	<0.50	1,800	--
04/05/01	198.88	192.94	5.94	<50	<0.50	<0.50	<0.50	<0.50	5,500	--
08/20/01	198.88	193.18	5.70	<50	<0.50	<0.50	<0.50	<0.50	2,000	--
11/26/01	198.88	193.55	5.33	<50	<0.50	<0.50	<0.50	<1.5	990	--
02/14/02	198.88	194.42	4.46	58	<0.50	<0.50	<0.50	<1.5	1,200	--
05/07/02	198.88	194.49	4.39	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/02/02	198.88	194.81	4.07	<50	<0.50	<0.50	<0.50	<1.5	490	--
11/11/02	198.88	194.76	4.12	<50	<0.50	<0.50	<0.50	<1.5	470	--
02/03/03	198.88	193.93	4.95	<50	<0.50	<0.50	<0.50	<1.5	690	--
05/05/03	198.88	194.38	4.50	<50	<0.5	<0.5	<0.5	<1.5	680	--
08/04/03[4]	198.88	195.02	3.86	<50	<0.5	<0.5	<0.5	<0.5	460	<50
11/19/03[4]	198.88	195.32	3.56	<50	<0.5	<0.5	<0.5	<0.5	540	<50
02/16/04[4]	198.88	195.73	3.15	<50	<1	<1	<1	<1	1,200	<130
06/03/04[4]	198.88	195.18	3.70	<50	<0.5	<0.5	<0.5	<0.5	190	<50
08/20/04[4]	198.88	194.85	4.03	<50	<0.5	<0.5	<0.5	<0.5	130	<50
11/15/04[4]	198.88	195.54	3.34	<50	<0.5	<0.5	<0.5	<0.5	230	<50
02/14/05[4]	198.88	195.54	3.34	<50	<0.5	<0.5	<0.5	<0.5	600	<50
05/16/05[4]	198.88	194.99	3.89	<50	<0.5	<0.5	<0.5	<0.5	130	--
08/31/05[4]	198.88	194.81	4.07	<50	<0.5	<0.5	<0.5	0.8	450	--
11/30/05[4]	198.88	193.13	5.75	<50	<0.5	<0.5	<0.5	2	280	--
02/17/06[4]	198.88	195.56	3.32	<50	<0.5	<0.5	<0.5	<0.5	790	--
05/19/06[4]	198.88	193.80	5.08	<50	<0.5	<0.5	<0.5	<0.5	530	--
08/25/06[4]	198.88	194.85	4.03	<50	<0.5	<0.5	<0.5	<0.5	330	--
11/22/06[4]	198.88	193.44	5.44	<50	<0.5	<0.5	<0.5	<0.5	310	--
02/01/07[4]	198.88	195.30	3.58	<50	<0.5	<0.5	<0.5	<0.5	770	--
04/30/07[4]	198.88	194.73	4.15	<50	<0.5	<0.5	<0.5	<0.5	92	--
07/31/07[4]	198.88	194.68	4.20	<50	<0.5	<0.5	<0.5	<0.5	20	--
10/27/07[4]	198.88	195.00	3.88	<50	<0.5	<0.5	<0.5	<0.5	220	--
02/08/08[4]	198.88	194.86	4.02	<50	<0.5	<0.5	<0.5	<0.5	860	--
05/02/08[4]	198.88	194.50	4.38	<50	<0.5	<0.5	<0.5	<0.5	1,700	--
07/31/08[4]	198.88	194.70	4.18	<50	<0.5	<0.5	<0.5	<0.5	770	--
11/13/08[4]	198.88	195.10	3.78	<50	<0.5	<0.5	<0.5	<0.5	740	--
02/13/09[4]	198.88	195.61	3.27	<50	<0.5	<0.5	<0.5	<0.5	970	--
05/08/09[4]	**198.88**	**195.70**	**3.18**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**910**	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-8341

3530 MacArthur Boulevard

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL♦ (µg/L)
MW-3										
11/01/96	199.10	194.91	4.19	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/06/97	199.10	195.29	3.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/14/97	199.10	194.93	4.17	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/17/97	199.10	194.92	4.18	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	199.10	193.90	5.20	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/04/98	199.10	194.71	4.39	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/98	199.10	195.78	3.32	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/29/98	199.10	189.24	9.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/26/98	199.10	193.59	5.51	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/18/99	199.10	194.68	4.42	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
04/15/99	199.10	194.54	4.56	<50	<0.5	<0.5	<0.5	1.16	<5.0	--
07/22/99	199.10	192.45	6.65	<50	<0.5	<0.5	<0.5	<0.5	3.94	--
10/13/99	199.10	193.79	5.31	<50	<0.5	<0.5	<0.5	<0.5	6.55	--
01/21/00	199.10	193.18	5.92	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/10/00	199.10	194.32	4.78	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
07/12/00	199.10	193.86	5.24	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
10/05/00	199.10	195.17	3.93	<50.0	<0.500	<0.500	<0.500	<0.500	39.7	--
01/05/01	199.10	194.85	4.25	<50	<0.50	<0.50	<0.50	<0.50	2.9	--
04/05/01	199.10	194.72	4.38	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/20/01	199.10	194.35	4.75	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
11/26/01	199.10	193.60	5.50	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/14/02	199.10	194.82	4.28	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/07/02	199.10	194.58	4.52	85	<0.50	<0.50	<0.50	<1.5	610	--
08/02/02	199.10	194.72	4.38	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/11/02	199.10	195.04	4.06	<50	<0.50	<0.50	<0.50	<1.5	4.5	--
02/03/03	199.10	194.02	5.08	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/05/03	199.10	194.50	4.60	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/04/03[4]	199.10	194.75	4.35	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
11/19/03[4]	199.10	194.86	4.24	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
02/16/04[4]	199.10	195.32	3.78	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/03/04[4]	199.10	193.74	5.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
08/20/04[4]	199.10	194.75	4.35	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
11/15/04[4]	199.10	195.21	3.89	<50	<0.5	<0.5	<0.5	<0.5	2	<50
02/14/05[4]	199.10	195.18	3.92	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
05/16/05[4]	199.10	195.34	3.76	<50	<0.5	<0.5	<0.5	<0.5	0.6	--
08/31/05[4]	199.10	194.89	4.21	54	7	7	<0.5	12	<0.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-8341

3530 MacArthur Boulevard

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL♦ (µg/L)
MW-3 (cont)										
11/30/05[4]	199.10	195.31	3.79	<50	<0.5	<0.5	<0.5	1	<0.5	--
02/17/06[4]	199.10	195.04	4.06	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/19/06[4]	199.10	194.49	4.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/25/06[4]	199.10	194.94	4.16	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/22/06[4]	199.10	195.45	3.65	<50	<0.5	<0.5	<0.5	1	<0.5	--
02/01/07[4]	199.10	194.90	4.20	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
04/30/07[4]	199.10	195.12	3.98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/31/07[4]	199.10	195.07	4.03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
10/27/07[4]	199.10	194.66	4.44	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/08/08[4]	199.10	195.05	4.05	<50	<0.5	<0.5	<0.5	<0.5	1	--
05/02/08[4]	199.10	194.97	4.13	<50	<0.5	<0.5	<0.5	<0.5	2	--
07/31/08[4]	199.10	194.62	4.48	<50	<0.5	<0.5	<0.5	<0.5	0.6	--
11/13/08[4]	199.10	194.42	4.68	<50	<0.5	<0.5	<0.5	<0.5	1	--
02/13/09[4]	199.10	195.29	3.81	<50	<0.5	<0.5	<0.5	<0.5	0.5	--
05/08/09[4]	**199.10**	**195.22**	**3.88**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**0.6**	--
TRIP BLANK										
11/01/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/06/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/14/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/17/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/04/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/29/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/26/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/18/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
04/15/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
07/22/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/13/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/21/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/10/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
07/12/00	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
10/05/00	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
01/05/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-8341

3530 MacArthur Boulevard

Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL♦ (µg/L)
QA										--
04/05/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
08/20/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
11/26/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/14/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/07/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
08/02/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
11/11/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
02/03/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
05/05/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--
08/04/03[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/19/03[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/16/04[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/03/04[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/20/04[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/15/04[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/14/05[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/16/05[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/31/05[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/30/05[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/17/06[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/19/06[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/25/06[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/22/06[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/01/07[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
04/30/07[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/31/07[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
10/27/07[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/08/08[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/02/08[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/31/08[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/13/08[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/13/09[4]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/08/09[4]	**--**	**--**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-8341

3530 MacArthur Boulevard

Oakland, California

EXPLANATIONS:

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

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether

ND = Not Detected
-- = Not Measured/Not Analyzed
(µg/L) = Micrograms per liter
QA = Quality Assurance/Trip Blank

♦ Ethanol by EPA Method 8260.

1 Confirmation run.

2 Chromatogram report indicates an unidentified hydrocarbon and gas.

3 Chromatogram report indicates an unidentified hydrocarbon.

4 BTEX and MTBE by EPA Method 8260.

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 #9-8341 Job Number: 386346
Site Address: 3530 Macarthur Blvd. Event Date: 5/8/09 (inclusive)
City: Oakland, CA Sampler: SR

Well ID MW-1 Date Monitored: 5/8/09
Well Diameter 2 in.
Total Depth 27.28 ft.
Depth to Water 4.32 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.

22.96 xVF .17 = 3.9 x3 case volume = Estimated Purge Volume: 12 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 8.91

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): 1205 Weather Conditions: Sunny
Sample Time/Date: 1227 5/8/09 Water Color: clear Odor: Y (N)
Approx. Flow Rate: ≈2 gpm. Sediment Description: —
Did well de-water? N If yes, Time: → Volume: ~ gal. DTW @ Sampling: 5.49

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1207	4	7.61	391	21.2		
1209	8	7.48	412	21.0		
1211	12	7.31	423	19.8		

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)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-8341 Job Number: 386346
Site Address: 3530 Macarthur Blvd. Event Date: 5/8/09 (inclusive)
City: Oakland, CA Sampler: SR

Well ID MW-2 Date Monitored: 5/8/09
Well Diameter 2 in.
Total Depth 32.75 ft.
Depth to Water 3.18 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.

29.57 xVF .17 = 5.0 x3 case volume = Estimated Purge Volume: 15 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.09

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): 1320 Weather Conditions: Sunny
Sample Time/Date: 1345 5/8/09 Water Color: clear Odor: Y (N)
Approx. Flow Rate: ≈2 gpm. Sediment Description:
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 6.94

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1322.5	5	7.21	517	21.2		
1325	10	7.10	540	21.0		
1327.5	15	7.01	558	19.7		

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)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-8341 Job Number: 386346
Site Address: 3530 Macarthur Blvd. Event Date: 5/8/09 (inclusive)
City: Oakland, CA Sampler: SR

Well ID MW-3 Date Monitored: 5/8/09
Well Diameter 2 in.
Total Depth 32.32 ft.
Depth to Water 3.88 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.

28.44 xVF .17 = 4.8 x3 case volume = Estimated Purge Volume: 15 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.56

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): 1245 Weather Conditions: Sunny
Sample Time/Date: 1305 / 5/8/09 Water Color: clear Odor: Y / (N)
Approx. Flow Rate: ≈2 gpm. Sediment Description: —
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 7.12

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C) F	D.O. (mg/L)	ORP (mV)
1247.5	5	7.50	436	20.2		
1250	10	7.36	450	20.2		
1252.5	15	7.29	459	20.0		

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)

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

05 11 09-04

For Lancaster Laboratories use only
Acct. #: 12099 Sample #: 566092109-72 Group #: 017026

Group# 1144294

CRA MTI Project#: 61H-1650

Facility #: SS#9-8341 G-R#386346 Global ID#T0600101790
Site Address: 3530 MACARTHUR BLVD., OAKLAND, CA
Chevron PM: MTI Lead Consultant: CRAKJ
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: Steve Rice

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable / NPDES)	Matrix: Oil / Air	Total Number of Containers	Analyses Requested: 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
QA	5/8/09		X			X		2	X	X					
MW-1		1227	X			X		6	X	X					
MW-2		1345	X			X		6	X	X					
MW-3	↓	1305	X			X		6	X	X					

Preservation Codes: H H

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 needed | WIP (RWQCB) | Disk | EDF/EDD

	Date	Time		Date	Time
Relinquished by:	5/8/09		Received by:		
Relinquished by:	5/8/09	1235	Received by:	5/8/09	1235
Relinquished by:	5/8/09	1700	Received by: FedEx		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	5/8/09	1745
Temperature Upon Receipt 1.6 · 3.2 C°			Custody Seals Intact? Yes No		

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

916-677-3407

Prepared by:

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

May 19, 2009

SAMPLE GROUP

The sample group for this submittal is 1144294. Samples arrived at the laboratory on Tuesday, May 12, 2009. The PO# for this group is 98341 and the release number is MTI.

Client Description	Lancaster Labs Number
QA-T-090508 NA Water	5669269
MW-1-W-090508 Grab Water	5669270
MW-2-W-090508 Grab Water	5669271
MW-3-W-090508 Grab Water	5669272

METHODOLOGY

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

ELECTRONIC COPY TO Gettler-Ryan, Inc. Attn: Cheryl Hansen

Lancaster Laboratories

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Analysis Report

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 5669269

Group No. 1144294
CA

QA-T-090508 NA Water
Facility# 98341 Job# 386346 MTI# 61H-1650 GRD
3530 Macarthur-Oakland T0600101790 QA

Collected: 05/08/2009

Account Number: 12099

Submitted: 05/12/2009 09:15
Reported: 05/19/2009 at 10:48
Discard: 06/19/2009

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

OAKQA

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
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091334AA	05/14/2009 01:21	Michael A Ziegler	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	Z091334AA	05/14/2009 01:21	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09134A20A	05/14/2009 14:57	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09134A20A	05/14/2009 14:57	Fanella S Zamcho	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5669270

Group No. 1144294
CA

MW-1-W-090508 Grab Water
Facility# 98341 Job# 386346 MTI# 61H-1650 GRD
3530 Macarthur-Oakland T0600101790 MW-1

Collected: 05/08/2009 12:27 by SR

Account Number: 12099

Submitted: 05/12/2009 09:15
Reported: 05/19/2009 at 10:48
Discard: 06/19/2009

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

OAKM1

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
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091334AA	05/14/2009 01:46	Michael A Ziegler	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	Z091334AA	05/14/2009 01:46	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09134A20A	05/14/2009 18:56	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09134A20A	05/14/2009 18:56	Fanella S Zamcho	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5669271

Group No. 1144294
CA

MW-2-W-090508 Grab Water
Facility# 98341 Job# 386346 MTI# 61H-1650 GRD
3530 Macarthur-Oakland T0600101790 MW-2

Collected: 05/08/2009 13:45 by SR

Account Number: 12099

Submitted: 05/12/2009 09:15
Reported: 05/19/2009 at 10:48
Discard: 06/19/2009

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

OAKM2

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	910	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.	250	5

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
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091334AA	05/14/2009 02:11	Michael A Ziegler	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	Z091334AA	05/14/2009 02:11	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09134A20A	05/14/2009 19:17	Fanella S Zamcho	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09134A20A	05/14/2009 19:17	Fanella S Zamcho	5

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Analysis Report

Lancaster Laboratories Sample No. WW 5669272

Group No. 1144294
CA

MW-3-W-090508 Grab Water
Facility# 98341 Job# 386346 MTI# 61H-1650 GRD
3530 Macarthur-Oakland T0600101790 MW-3

Collected: 05/08/2009 13:05 by SR

Account Number: 12099

Submitted: 05/12/2009 09:15
Reported: 05/19/2009 at 10:48
Discard: 06/19/2009

Chevron c/o CRA
Suite 110
2000 Opportunity Drive
Roseville CA 95678

OAKM3

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	0.6	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
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z091334AA	05/14/2009 03:02	Michael A Ziegler	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	Z091334AA	05/14/2009 03:02	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09134A20A	05/14/2009 19:39	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09134A20A	05/14/2009 19:39	Fanella S Zamcho	1

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Analysis Report

Quality Control Summary

Client Name: Chevron c/o CRA
Reported: 05/19/09 at 10:48 AM

Group Number: 1144294

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: Z091334AA	Sample number(s): 5669269-5669272							
Benzene	N.D.	0.5	ug/l	96		80-116		
Ethylbenzene	N.D.	0.5	ug/l	102		80-113		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	96		78-117		
Toluene	N.D.	0.5	ug/l	103		80-115		
Xylene (Total)	N.D.	0.5	ug/l	103		81-114		
Batch number: 09134A20A	Sample number(s): 5669269-5669272							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	91	109	75-135	18	30

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: Z091334AA	Sample number(s): 5669269-5669272 UNSPK: P669527								
Benzene	104	101	80-126	3	30				
Ethylbenzene	109	108	77-125	1	30				
Methyl Tertiary Butyl Ether	98	96	72-126	1	30				
Toluene	112	109	80-125	2	30				
Xylene (Total)	109	107	79-125	2	30				
Batch number: 09134A20A	Sample number(s): 5669269-5669272 UNSPK: P669275								
TPH-GRO N. CA water C6-C12	118		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: TPH-GRO N. CA water C6-C12
Batch number: 09134A20A

	Trifluorotoluene-F
5669269	87
5669270	88
5669271	88
5669272	87
Blank	87

*- 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 c/o CRA
Reported: 05/19/09 at 10:48 AM

Group Number: 1144294

Surrogate Quality Control

LCS	113
LCSD	119
MS	121
Limits:	63-135

Analysis Name: BTEX+MTBE by 8260B
Batch number: Z091334AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5669269	91	92	99	88
5669270	92	91	99	88
5669271	90	91	99	88
5669272	91	92	98	87
Blank	88	87	89	82
LCS	86	88	90	85
MS	91	92	98	91
MSD	90	93	99	90
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 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.