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 11, 2009
(date)

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

Re: Chevron Facility #_9-2029_____

Address: 890 West MacArthur Boulevard, Oakland, California_____

I have reviewed the attached report titled *Second Quarter 2009 Groundwater Monitoring Report*_____ and dated June 11, 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 11, 2009 Reference No. 611974

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. 9-2029
890 West MacArthur Boulevard
Oakland, California
LOP Case #RO0002438

Dear Mr. Plunkett:

Conestoga-Rovers & Associates (CRA) is submitting the attached *Groundwater Monitoring and Sampling Report* (report) 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-5 through MW-8 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. 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

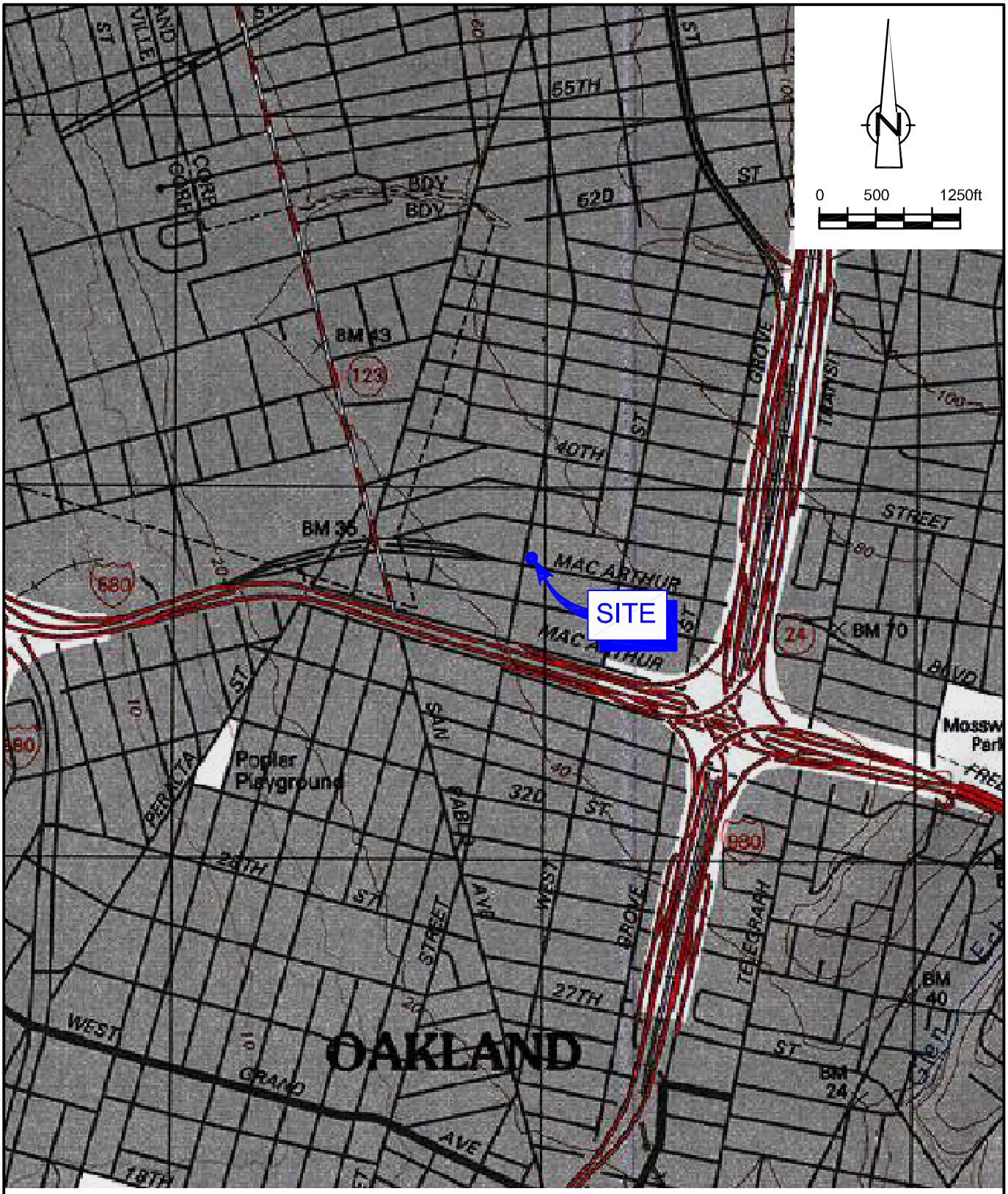
Attachment A Second Quarter 2009 Groundwater Monitoring and Sampling Report

cc: Ms. Stacie Frerichs, Chevron Environmental Management Company
Mr. Stephen O'Kane

FIGURES

ATTACHMENT A

SECOND QUARTER 2009 GROUNDWATER MONITORING AND SAMPLING REPORT

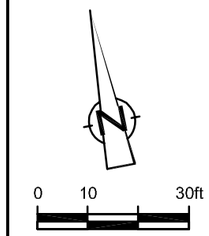


SOURCE: TOPO! MAPS.

figure 1

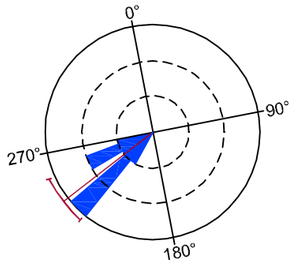
VICINITY MAP
CHEVRON SERVICE STATION 9-2029
890 WEST MACARTHUR BOULEVARD
Oakland, California

611974-122(005)GN-WA003 JUN 11/2009



LEGEND

MW-1	DESTROYED MONITORING WELL
SB-1	SOIL BORING LOCATION
MW-5	MONITORING WELL LOCATION
STM	STORM DRAIN (SD)
SAN	SANITARY SEWER (SS)
W	WATER LINE (W)
M.H.	MANHOLE
FL = 37.78	FLOW LINE ELEVATION, IN FEET ABOVE MEAN SEA LEVEL (MSL)
(440)	TPHg CONCENTRATION (ug/L)
(0.9)	BENZENE CONCENTRATION (ug/L)
(18)	MTBE CONCENTRATION (ug/L)



HISTORICAL GROUNDWATER FLOW DIRECTION

MARKET STREET

APPROXIMATE PROPERTY LINE

FORMER RESTROOMS/STORAGE

FORMER KIOSK

FORMER DISPENSER ISLANDS

FORMER USTS

MW-1 MW-2 MW-3 MW-4

B-1 B-2 B-3 B-4 B-5 B-6 B-7 B-8 B-9 B-10

SB-1 SB-2 SB-3 SB-4 SB-5 SB-6 SB-7 SB-8 SB-9

MW-5 (3,600) *(18)* (2)

MW-6 (7,600) *(240)* (38)

MW-7 (1,200) *(83)* (8)

MW-8 (<50) *(<0.5)* (<0.5)

FL = 35.66

FL = 32.7

FL = 37.78

FL = 39.0

FL = 38.5

C.B.

M.H.

STM

SAN

W

WEST MACARTHUR BOULEVARD

figure 2

CONCENTRATION MAP - MAY 8, 2009
FORMER CHEVRON STATION 9-2029
890 W. MACARTHUR BOULEVARD
Oakland, California

BASEMAP MODIFIED FROM DRAWING PROVIDED BY

611974-122(005)GN-WA001 JUN 11/2009

ATTACHMENT A

SECOND QUARTER 2009 GROUNDWATER MONITORING AND SAMPLING REPORT

GETTLER-RYAN INC.

TRANSMITTAL

June 8, 2009
G-R #386911

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: Former Chevron Service Station #9-2029 (MTI)
890 West MacArthur Blvd.
Oakland, California
RO 0002438

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 Hartung-Frerichs, Chevron Environmental Management Company, 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 22, 2009*** at which time the final report will be distributed to the following:

cc: 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.)**

Enclosures

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 8, 2009
(date)

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

Re: Chevron Facility # 9-2029

Address: 890 West MacArtur Blvd., Oakland, California

I have reviewed the attached routine groundwater monitoring report dated June 8, 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,

SH Frerichs

Stacie H. Frerichs
Project Manager

Enclosure: Report

WELL CONDITION STATUS SHEET

Client/Facility #: Chevron #9-2029
Site Address: 890 West Macarthur Blvd.
City: Oakland, CA

Job # 386911
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-5	ok							N	N	7" / Morrison / Z	N
MW-6	ok							N	N	7" / Morrison / Z	
MW-7	ok							N	N	7" / Morrison / Z	
MW-8	ok							N	N	7" / Morrison / Z	

Comments

GETTLER-RYAN INC.

June 4, 2009
G-R Job #386911

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
Former Chevron Service Station #9-2029
890 West 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.

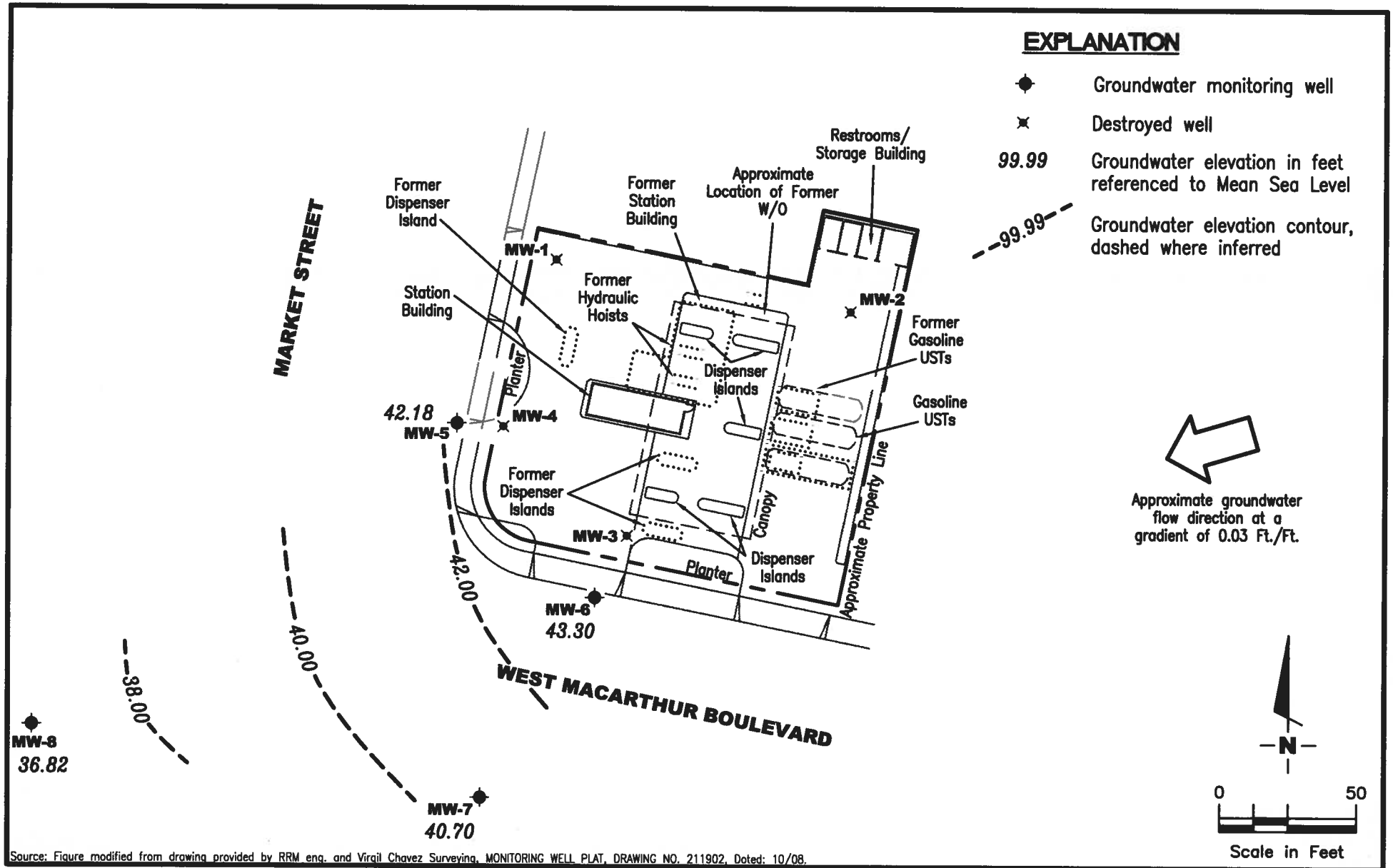
Sincerely,

Deanna L. Harding
Project Coordinator

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

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

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Table 2: Groundwater Analytical Results - Oxygenate Compounds
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by RRM eng. and Virgil Chavez Surveying, MONITORING WELL PLAT, DRAWING NO. 211902, Doted: 10/08.

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

POTENTIOMETRIC MAP
Former Chevron Service Station #9-2029
890 West MacArthur Boulevard
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386911		May 8, 2009	

FILE NAME: P:\Enviro\Chevron\9-2029\Q09-9-2029.DWG | Layout Tab: Pot2

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-5									
08/22/08[1]	49.39	9.97	39.42	--	--	--	--	--	--
08/27/08[3]	49.39	10.03	39.36	54	0.5	0.8	<0.5	0.7	10
11/21/08[3]	49.39	8.42	40.97	6,000	93	6	37	6	8
02/13/09[3]	49.39	7.11	42.28	5,100	31	5	20	3	6
05/08/09[3]	**49.39**	**7.21**	**42.18**	**3,600**	**18**	**4**	**14**	**2**	**2**
MW-6									
08/22/08[1]	49.07	8.98	40.09	--	--	--	--	--	--
08/27/08[3]	49.07	8.98	40.09	6,000	990	4	350	530	440
11/21/08[3]	49.07	8.12	40.95	14,000	1,000	15	1,300	550	300
02/13/09[3]	49.07	5.84	43.23	9,700	630	4	510	36	180
05/08/09[3]	**49.07**	**5.77**	**43.30**	**7,600**	**240**	**4**	**470**	**67**	**38**
MW-7									
08/22/08[1]	48.74	10.20	38.54	--	--	--	--	--	--
08/27/08[3]	48.74	10.19	38.55	<50	<0.5	0.6	<0.5	0.7	6
11/21/08[3]	48.74	9.51	39.23	1,100	80	<0.5	65	0.7	6
02/13/09[3]	48.74	7.95	40.79	630	30	<0.5	38	0.9	7
05/08/09[3]	**48.74**	**8.04**	**40.70**	**1,200**	**83**	**<0.5**	**190**	**2**	**8**
MW-8									
08/22/08[1]	47.61	12.41	35.20	--	--	--	--	--	--
08/27/08[3]	47.61	12.42	35.19	<50	<0.5	0.7	<0.5	0.6	<0.5
11/21/08[3]	47.61	11.42	36.19	<50	<0.5	<0.5	<0.5	<0.5	<0.5
02/13/09[3]	47.61	8.87	38.74	<50	<0.5	<0.5	<0.5	<0.5	<0.5
05/08/09[3]	**47.61**	**10.79**	**36.82**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
MW-1									
03/12/02[1]	50.71	6.50	44.21	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]
06/07/02	50.71	8.69	42.02	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]
09/13/02	50.71	9.28	41.43	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]
12/13/02	50.71	8.48	42.23	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1 (cont)									
03/01/03	50.71	7.34	43.37	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5[2]
06/27/03[3]	50.71	9.29	41.42	<50	<0.5	0.6	<0.5	<0.5	<0.5
09/30/03[3]	50.71	10.17	40.54	<50	<0.5	0.6	<0.5	<0.5	<0.5
12/03/03[3]	50.71	7.82	42.89	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/10/04[3]	50.71	6.57	44.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/30/04[3]	50.71	9.78	40.93	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/30/04[3]	50.71	9.91	40.80	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/29/04[3]	50.71	2.90	47.81	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/23/05[3]	50.71	2.90	47.81	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/22/05[3]	50.71	8.59	42.12	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/02/05[3]	50.71	9.38	41.33	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/02/05	50.71	8.44	42.27	--	--	--	--	--	--
03/20/06	50.71	3.05	47.66	--	--	--	--	--	--
06/01/06	50.71	6.77	43.94	--	--	--	--	--	--
09/11/06	50.71	9.18	41.53	--	--	--	--	--	--
DESTROYED									
MW-2									
03/12/02[1]	52.57	6.09	46.48	<50	<0.50	<0.50	<0.50	<1.5	<2.5/3[2]
06/07/02	52.57	8.65	43.92	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]
09/13/02	52.57	9.58	42.99	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]
12/13/02	52.57	8.50	44.07	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2[2]
03/01/03	52.57	7.00	45.57	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<0.5[2]
06/27/03[3]	52.57	9.59	42.98	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/30/03[3]	52.57	10.64	41.93	<50	<0.5	<0.5	<0.5	<0.5	0.7
12/03/03[3]	52.57	7.54	45.03	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/10/04[3]	52.57	6.05	46.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/30/04[3]	52.57	10.15	42.42	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/30/04[3]	52.57	10.14	42.43	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/29/04[3]	52.57	2.29	50.28	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/23/05[3]	52.57	2.44	50.13	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/22/05[3]	52.57	8.99	43.58	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/02/05[3]	52.57	10.17	42.40	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/02/05	52.57	8.99	43.58	--	--	--	--	--	--
03/20/06	52.57	2.70	49.87	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-2 (cont)									
06/01/06	51.57	6.51	45.06	--	--	--	--	--	--
09/11/06	51.57	10.06	41.51	--	--	--	--	--	--
DESTROYED									
MW-3									
03/12/02[1]	50.31	6.50	43.81	12,000	600	8.5	1,100	370	700/650[2]
06/07/02	50.31	7.74	42.57	14,000	630	8.8	1,200	160	520/490[2]
09/13/02	50.31	9.73	40.58	3,000	270	3.2	200	11	600/640[2]
12/13/02	50.31	8.60	41.71	24,000	1,100	14	2,400	220	650/540[2]
03/01/03	50.31	6.75	43.56	16,000	500	9.0	1,200	130	460/330[2]
06/27/03[3]	50.31	9.25	41.06	9,500	390	6	450	30	470
09/30/03[3]	50.31	10.31	40.00	2,000	110	1	100	3	710
12/03/03[3]	50.31	8.18	42.13	19,000	970	8	2,100	85	420
03/10/04[3]	50.31	6.10	44.21	15,000	550	6	960	95	220
06/30/04[3]	50.31	9.80	40.51	3,200	150	1	100	3	660
09/30/04[3]	50.31	10.18	40.13	1,900	66	0.8	84	4	690
12/29/04[3]	50.31	4.58	45.73	16,000	470	7	820	47	170
03/23/05[3]	50.31	5.07	45.24	18,000	380	6	960	58	140
06/22/05[3]	50.31	8.12	42.19	16,000	700	6	950	62	300
09/02/05[3]	50.31	9.41	40.90	8,400	380	4	510	41	440
12/02/05[3]	50.31	7.97	42.34	16,000	490	6	1,200	32	170
03/20/06[3]	50.31	5.32	44.99	4,200	79	0.8	2	10	34
06/01/06[3]	50.31	7.07	43.24	5,400	67	1	26	3	28
09/11/06[3]	50.31	9.07	41.24	14,000	270	5	240	38	97
DESTROYED									
MW-4									
03/12/02[1]	49.93	5.34	44.59	9,700	360	5.3	1,100	150	170/170[2]
06/07/02	49.93	8.52	41.41	7,300	170	2.7	280	21	200/120[2]
09/13/02	49.93	9.86	40.07	5,800	92	4.5	80	14	190/160[2]
12/13/02	49.93	9.42	40.51	10,000	250	2.2	330	19	170/200[2]
03/01/03	49.93	7.33	42.60	12,000	300	4.6	900	110	160/100[2]
06/27/03[3]	49.93	9.62	40.31	7,500	110	2	200	58	130
09/30/03[3]	49.93	11.13	38.80	3,600	18	<1	16	7	520
12/03/03[3]	49.93	7.80	42.13	16,000	1,000	6	720	52	73
03/10/04[3]	49.93	6.69	43.24	2,200	230	3	610	71	55

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-4 (cont)									
06/30/04[3]	49.93	10.33	39.60	7,700	59	<1	78	17	110
09/30/04[3]	49.93	10.75	39.18	4,800	100	1	33	10	400
12/29/04[3]	49.93	3.34	46.59	13,000	250	3	480	27	42
03/23/05[3]	49.93	4.24	45.69	12,000	130	2	280	16	24
06/22/05[3]	49.93	7.95	41.98	6,400	290	2	11	11	18
09/02/05[3]	49.93	9.46	40.47	3,700	180	1	13	7	18
12/02/05[3]	49.93	7.60	42.33	11,000	840	5	480	24	34
03/20/06[3]	49.93	4.50	45.43	790	14	<0.5	1	0.6	2
06/01/06[3]	49.93	7.30	42.63	5,100	48	0.8	42	4	2
09/11/06[3]	49.93	9.38	40.55	6,700	64	3	44	3	4
DESTROYED									
TRIP BLANK									
QA									
03/12/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/07/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/01/03	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/27/03[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/30/03[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/03/03[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/10/04[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/30/04[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/30/04[3]	--	--	--	<50	<0.5	<0.7	<0.8	<0.8	<0.5
12/29/04[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/23/05[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/22/05[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/02/05[3]	--	--	--	<50	<0.5	1[4]	<0.5	1[4]	<0.5
12/02/05[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/20/06[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/01/06[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/11/06[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
08/27/08[3]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

WELL ID/ DATE	TOC* (ft.)	DTW (ft.)	GWE (msl)	TPH-GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
QA (cont)									
11/21/08[5]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/13/09[5]	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/08/09[5]	**--**	**--**	**--**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

EXPLANATIONS:

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

TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
B = Benzene
T = Toluene
E = Ethylbenzene

X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
(µg/L) = Micrograms per liter
-- = Not Measured/Not Analyzed
QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed on October 1, 2008, by CRA. The benchmark for this survey was a USGS bronze disk located near the north end of the curb return at the Northwest corner of 38th Street and Broadway, (Benchmark Elevation = 85.41 feet, NGVD29).
TOC elevations were surveyed on March 14, 2002, by Virgil Chavez Land Surveying. The benchmark for this survey was a USGS bronze disk located near the north end of the curb return at the Northwest corner of 38th Street and Broadway, (Benchmark Elevation = 85.41 feet, NGVD29).

[1] Well development performed.
[2] MTBE by EPA method 8260.
[3] BTEX and MTBE by EPA Method 8260.
[4] Analytical result confirmed.
[5] BTEX by EPA Method 8260.

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-5	08/27/08	--	2	10	<0.5	<0.5	<0.5	--	--
	11/21/08	--	4	8	<0.5	<0.5	<0.5	--	--
	02/13/09	--	3	6	<0.5	<0.5	<0.5	--	--
	05/08/09	--	7	2	**<0.5**	**<0.5**	**<0.5**	--	--
MW-6	08/27/08	--	390	440	<0.5	<0.5	6	--	--
	11/21/08	--	320	300	<13	<13	<13	--	--
	02/13/09	--	100	180	<1	<1	4	--	--
	05/08/09	--	**16**	**38**	**<0.5**	**<0.5**	**0.9**	--	--
MW-7	08/27/08	--	<2	6	<0.5	<0.5	<0.5	--	--
	11/21/08	--	5	6	<0.5	<0.5	<0.5	--	--
	02/13/09	--	<2	7	<0.5	<0.5	<0.5	--	--
	05/08/09	--	**<2**	**8**	**<0.5**	**<0.5**	**<0.5**	--	--
MW-8	08/27/08	--	<2	<0.5	<0.5	<0.5	<0.5	--	--
	11/21/08	--	<2	<0.5	<0.5	<0.5	<0.5	--	--
	02/13/09	--	<2	<0.5	<0.5	<0.5	<0.5	--	--
	05/08/09	--	**<2**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	--	--
MW-1	03/12/02	--	<100	<2	<2	<2	<2	<2	<2
	06/07/02	--	<100	<2	<2	<2	<2	<2	<2
	09/13/02	--	<100	<2	<2	<2	<2	<2	<2
	12/13/02	--	<100	<2	<2	<2	<2	<2	<2
	03/01/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	06/27/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/30/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/03/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/10/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	06/30/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/30/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/31/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/23/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-1 (cont)	06/22/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/02/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	DESTROYED								
MW-2	03/12/02	--	<100	3	<2	<2	<2	<2	<2
	06/07/02	--	<100	<2	<2	<2	<2	<2	<2
	09/13/02	--	<100	<2	<2	<2	<2	<2	<2
	12/13/02	--	<100	<2	<2	<2	<2	<2	<2
	03/01/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	06/27/03	--	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/30/03	<50	<5	0.7	<0.5	<0.5	<0.5	<0.5	<0.5
	12/03/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/10/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	06/30/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/30/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/31/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/23/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	06/22/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/02/05	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	DESTROYED								
MW-3	03/12/02	--	<100	650	<2	<2	18	<2	<2
	06/07/02	--	230	490	<5.0	<5.0	11	<5.0	<5.0
	09/13/02	--	170	640	<2	<2	8	<2	<2
	12/13/02	--	240	540	<2	<2	29	31	<2
	03/01/03	--	160	330	<0.5	<0.5	10	<0.5	<0.5
	06/27/03	--	200	470	<0.5	<0.5	11	<0.5	<0.5
	09/30/03	<50	120	710	<0.5	<0.5	6	0.7	<0.5
	12/03/03	<250	200	420	<3	<3	14	<3	<3
	03/10/04	<50	140	220	<0.5	<0.5	5	<0.5	<0.5
	06/30/04	<50	100	660	<0.5	<0.5	5	<0.5	<0.5
	09/30/04	<50	72	690	<0.5	<0.5	4	0.5	<0.5
	12/31/04	<50	77	170	<0.5	<0.5	5	<0.5	<0.5
	03/23/05	<50	<5	140	<0.5	<0.5	4	<0.5	3
	06/22/05	<250	150	300	<3	<3	6	<3	<3
	09/02/05	<100	99	440	<1	<1	<1	<1	<1
	12/02/05	<100	66	170	<1	<1	5	<1	<1

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

WELL ID	DATE	ETHANOL (µg/L)	TBA (µg/L)	MTBE (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-3 (cont)	03/20/06	<50	14	34	<0.5	<0.5	<0.5	<0.5	<0.5
	06/01/06	<50	12	28	<0.5	<0.5	0.8	<0.5	<0.5
	09/11/06	<50	47	97	<0.5	<0.5	2	<0.5	<0.5
	DESTROYED								
MW-4	03/12/02	--	<100	170	<2	<2	13	<2	<2
	06/07/02	--	<100	120	<2	<2	14	<2	<2
	09/13/02	--	<100	160	<2	<2	14	<2	<2
	12/13/02	--	<100	200	<2	<2	17	<2	<2
	03/01/03	--	19	100	<0.5	<0.5	8	<0.5	<0.5
	06/27/03	--	22	130	<0.5	<0.5	11	<0.5	<0.5
	09/30/03	<100	<10	520	<1	<1	9	<1	<1
	12/03/03	<50	18	73	<0.5	<0.5	5	<0.5	<0.5
	03/10/04	<50	11	55	<0.5	<0.5	4	<0.5	<0.5
	06/30/04	<100	<10	110	<1	<1	6	<1	<1
	09/30/04	<50	17	400	<0.5	<0.5	7	<0.5	<0.5
	12/31/04	<50	11	42	<0.5	<0.5	2	<0.5	<0.5
	03/23/05	<50	<5	24	<0.5	<0.5	1	<0.5	0.9
	06/22/05	<50	15	18	<0.5	<0.5	1	<0.5	<0.5
	09/02/05	<50	6	18	<0.5	<0.5	<0.5	<0.5	<0.5
	12/02/05	<50	11	34	<0.5	<0.5	1	<0.5	<0.5
	03/20/06	<50	<5	2	<0.5	<0.5	<0.5	<0.5	<0.5
	06/01/06	<50	<5	2	<0.5	<0.5	<0.5	<0.5	<0.5
	09/11/06	<50	<5	4	<0.5	<0.5	<0.5	<0.5	<0.5
	DESTROYED								

Table 2

Groundwater Analytical Results - Oxygenate Compounds

Former Chevron Service Station #9-2029

890 West MacArthur Blvd.

Oakland, California

EXPLANATIONS:

TBA = t-Butyl alcohol
MTBE = Methyl Tertiary Butyl Ether
DIPE = Di-Isopropyl ether
ETBE = Ethyl t-butyl ether
TAME = t-Amyl methyl ether
1,2-DCA = 1,2-Dichloroethane
EDB = 1,2-Dibromoethane
(µg/L) = Micrograms per liter
-- = Not Analyzed

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

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 #9-2029** Job Number: **386911**

Site Address: **890 West Macarthur Blvd.** Event Date: 5/8/09 (inclusive)

City: **Oakland, CA** Sampler: SR

Well ID **MW-5** Date Monitored: 5/8/09

Well Diameter **2** in.

Total Depth 24.95 ft.

Depth to Water 7.21 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.

17.74 xVF 0.17 = 3.0 x3 case volume = Estimated Purge Volume: 9 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 10.75

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): 0858 Weather Conditions: Sunny

Sample Time/Date: 0920 15/8/09 Water Color: clear Odor: (Y) / N

Approx. Flow Rate: ≈1 gpm. Sediment Description: —

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 9.58

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0901	3	7.03	567	16.3		
0904	6	6.89	551	16.5		
0907	9	6.81	546	16.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/ 5 OXYS (8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: Chevron #9-2029 Job Number: 386911
Site Address: 890 West Macarthur Blvd. Event Date: 5/8/09 (inclusive)
City: Oakland, CA Sampler: SR

Well ID MW-6 Date Monitored: 5/8/09
Well Diameter 2 in.
Total Depth 24.97 ft.
Depth to Water 5.77 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.

19.20 xVF .17 = 3.2 x3 case volume = Estimated Purge Volume: 10 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 9.61

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): 0820 Weather Conditions: sunny
Sample Time/Date: 0845 / 5/8/09 Water Color: clear Odor: Y / N moderate
Approx. Flow Rate: ≈1 gpm. Sediment Description: —
Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 9.04

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0823	3	7.11	567	18.2		
0826	6	7.01	589	18.4		
0830	10	6.93	596	18.5		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 6	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/ 5 OXYS (8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-2029 | Job Number: 386911
Site Address: 890 West Macarthur Blvd. | Event Date: 5/8/09 (inclusive)
City: Oakland, CA | Sampler: SR

Well ID: MW-7 | Date Monitored: 5/8/09
Well Diameter: 2 in.
Total Depth: 24.96 ft.
Depth to Water: 8.04 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.

16.92 xVF .17 = 2.8 x3 case volume = Estimated Purge Volume: 8.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.42

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): 0735
Sample Time/Date: 0805 5/8/09
Approx. Flow Rate: → gpm.
Did well de-water? N If yes, Time: → Volume: → gal. DTW @ Sampling: 10.86

Weather Conditions: sunny
Water Color: cloudy Odor: Y / (N)
Sediment Description: light

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0741	3	7.29	792	16.9		
0747	6	7.18	808	17.0		
0752	8.5	7.15	814	17.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/ 5 OXYS (8260)

COMMENTS:

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

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility#: **Chevron #9-2029** Job Number: **386911**

Site Address: **890 West Macarthur Blvd.** Event Date: 5/8/09 (inclusive)

City: **Oakland, CA** Sampler: SR

Well ID **MW-8** Date Monitored: 5/8/09

Well Diameter **2** in.

Total Depth 24.96 ft.

Depth to Water 10.79 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.

14.17 xVF .17 = 2.4 x3 case volume = Estimated Purge Volume: 7.5 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.62

Purge Equipment:		**Sampling Equipment:**	
Disposable Bailer	✓	Disposable Bailer	✓
Stainless Steel Bailer		Pressure Bailer	
Stack Pump		Discrete Bailer	
Suction Pump		Peristaltic Pump	
Grundfos		QED Bladder Pump	
Peristaltic Pump		Other:	
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): 0935 Weather Conditions: sunny

Sample Time/Date: 1005 5/8/09 Water Color: brown Odor: Y / (N)

Approx. Flow Rate: — gpm. Sediment Description: silty

Did well de-water? N If yes, Time: — Volume: — gal. DTW @ Sampling: 12.97

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - (µS))	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0940	2.5	6.98	565	19.4		
0945	5	6.89	571	19.5		
0950	7.5	6.81	588	19.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX(8260)/ 5 OXYS (8260)

COMMENTS:

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

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

05 11 09 -63

For Lancaster Laboratories use only
Acct. #: 12099 Sample # 516092169-168 Group #: 017024
Group# 1144293

CRA MTI Project #: 61-1974

Facility #: SS#9-2029 G-R#386911 Global ID#T0600173887
Site Address: 890 WEST 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	Matrix: Oil	Matrix: Air	Total Number of Containers	BTEX + 8260 ☒ / 8021 ☐ (Preservation: H)	TPH 8015 MOD GRO (Preservation: H)	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	5 Oxygenates (8260) (Preservation: H)	Total Lead Method	Dissolved Lead Method
QA	5/8/09		X			X			2	X	X					
MW-5	↓	0920	X			X			6	X	X			X		
MW-6		0845	X			X			6	X	X			X		
MW-7		0805	X			X			6	X	X			X		
MW-8	↓	1005	X			X			6	X	X			X		

Matrix: ☐ Potable ☐ NPDES

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 EDF/EDD
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by:	5/8/09		Received by:	5/8/09	
Relinquished by:	5/8/09	1235	Received by:	5/8/09	1235
Relinquished by:	5/11/09	1612	Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:		
Temperature Upon Receipt 1.6 °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 1144293. Samples arrived at the laboratory on Tuesday, May 12, 2009. The PO# for this group is 92029 and the release number is MTI.

Client Description	Lancaster Labs Number
QA-T-090508 NA Water	5669264
MW-5-W-090508 Grab Water	5669265
MW-6-W-090508 Grab Water	5669266
MW-7-W-090508 Grab Water	5669267
MW-8-W-090508 Grab Water	5669268

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 5669264

Group No. 1144293
CA

QA-T-090508 NA Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W Macarthur-Oakland T0600173887 QA

Collected: 05/08/2009

Account Number: 12099

Submitted: 05/12/2009 09:15
Reported: 05/19/2009 at 10:56
Discard: 06/19/2009

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

890QA

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**	
06053	Benzene	71-43-2	N.D.	0.5	1
06053	Ethylbenzene	100-41-4	N.D.	0.5	1
06053	Toluene	108-88-3	N.D.	0.5	1
06053	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	Z091342AA	05/14/2009 19:45	Ginelle L Feister	1
06053	BTEX by 8260B	SW-846 8260B	1	Z091342AA	05/14/2009 19:45	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	09133A07A	05/13/2009 22:54	Tyler O Griffin	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09133A07A	05/13/2009 22:54	Tyler O Griffin	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5669265

Group No. 1144293
CA

MW-5-W-090508 Grab Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W Macarthur-Oakland T0600173887 MW-5

Collected: 05/08/2009 09:20 by SR

Account Number: 12099

Submitted: 05/12/2009 09:15
Reported: 05/19/2009 at 10:56
Discard: 06/19/2009

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

890M5

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**	
06056	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
06056	Benzene	71-43-2	18	0.5	1
06056	t-Butyl alcohol	75-65-0	7	2	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
06056	Ethylbenzene	100-41-4	14	0.5	1
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	2	0.5	1
06056	Toluene	108-88-3	4	0.5	1
06056	Xylene (Total)	1330-20-7	2	0.5	1
SW-846 8015B	**GC Volatiles**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	3,600	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 04:42	Michael A Ziegler	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z091334AA	05/14/2009 04:42	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09134A20A	05/14/2009 17:07	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09134A20A	05/14/2009 17:07	Fanella S Zamcho	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5669266

Group No. 1144293
CA

MW-6-W-090508 Grab Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W Macarthur-Oakland T0600173887 MW-6

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

Account Number: 12099

Submitted: 05/12/2009 09:15
Reported: 05/19/2009 at 10:56
Discard: 06/19/2009

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

890M6

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**	
06056	t-Amyl methyl ether	994-05-8	0.9	0.5	1
06056	Benzene	71-43-2	240	5	10
06056	t-Butyl alcohol	75-65-0	16	2	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
06056	Ethylbenzene	100-41-4	470	5	10
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	38	0.5	1
06056	Toluene	108-88-3	4	0.5	1
06056	Xylene (Total)	1330-20-7	67	0.5	1
SW-846 8015B	**GC Volatiles**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	7,600	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 05:33	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z091334AA	05/14/2009 05:58	Michael A Ziegler	10
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z091334AA	05/14/2009 05:33	Michael A Ziegler	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z091334AA	05/14/2009 05:58	Michael A Ziegler	10
01146	GC VOA Water Prep	SW-846 5030B	1	09134A20A	05/15/2009 10:14	Fanella S Zamcho	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09134A20A	05/15/2009 10:14	Fanella S Zamcho	5

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Analysis Report

Lancaster Laboratories Sample No. WW 5669267

Group No. 1144293
CA

MW-7-W-090508 Grab Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W Macarthur-Oakland T0600173887 MW-7

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

Account Number: 12099

Submitted: 05/12/2009 09:15
Reported: 05/19/2009 at 10:56
Discard: 06/19/2009

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

890M7

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**	
06056	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
06056	Benzene	71-43-2	83	0.5	1
06056	t-Butyl alcohol	75-65-0	N.D.	2	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
06056	Ethylbenzene	100-41-4	190	5	10
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	8	0.5	1
06056	Toluene	108-88-3	N.D.	0.5	1
06056	Xylene (Total)	1330-20-7	2	0.5	1
SW-846 8015B	**GC Volatiles**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,200	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 06:23	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z091352AA	05/15/2009 15:17	Ginelle L Feister	10
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z091334AA	05/14/2009 06:23	Michael A Ziegler	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z091352AA	05/15/2009 15:17	Ginelle L Feister	10
01146	GC VOA Water Prep	SW-846 5030B	1	09134A20A	05/15/2009 10:36	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09134A20A	05/15/2009 10:36	Fanella S Zamcho	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5669268

Group No. 1144293
CA

MW-8-W-090508 Grab Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W Macarthur-Oakland T0600173887 MW-8

Collected: 05/08/2009 10:05 by SR

Account Number: 12099

Submitted: 05/12/2009 09:15
Reported: 05/19/2009 at 10:56
Discard: 06/19/2009

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

890M8

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**	
06056	t-Amyl methyl ether	994-05-8	N.D.	0.5	1
06056	Benzene	71-43-2	N.D.	0.5	1
06056	t-Butyl alcohol	75-65-0	N.D.	2	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
06056	Ethylbenzene	100-41-4	N.D.	0.5	1
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
06056	Toluene	108-88-3	N.D.	0.5	1
06056	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 06:48	Michael A Ziegler	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z091334AA	05/14/2009 06:48	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	09134A20A	05/14/2009 18:34	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09134A20A	05/14/2009 18:34	Fanella S Zamcho	1

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Analysis Report

Quality Control Summary

Client Name: Chevron c/o CRA
Reported: 05/19/09 at 10:56 AM

Group Number: 1144293

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): 5669265-5669268							
t-Amyl methyl ether	N.D.	0.5	ug/l	104		78-117		
Benzene	N.D.	0.5	ug/l	96		80-116		
t-Butyl alcohol	N.D.	2.	ug/l	97		74-116		
Ethyl t-butyl ether	N.D.	0.5	ug/l	98		75-118		
Ethylbenzene	N.D.	0.5	ug/l	102		80-113		
di-Isopropyl ether	N.D.	0.5	ug/l	92		71-124		
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: Z091342AA	Sample number(s): 5669264							
Benzene	N.D.	0.5	ug/l	95		80-116		
Ethylbenzene	N.D.	0.5	ug/l	99		80-113		
Toluene	N.D.	0.5	ug/l	102		80-115		
Xylene (Total)	N.D.	0.5	ug/l	102		81-114		
Batch number: Z091352AA	Sample number(s): 5669267							
Ethylbenzene	N.D.	0.5	ug/l	104		80-113		
Batch number: 09133A07A	Sample number(s): 5669264							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	100	100	75-135	0	30
Batch number: 09134A20A	Sample number(s): 5669265-5669268							
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): 5669265-5669268 UNSPK: P669527								
t-Amyl methyl ether	105	104	75-122	1	30				
Benzene	104	101	80-126	3	30				
t-Butyl alcohol	51*	98	67-119	34*	30				
Ethyl t-butyl ether	101	98	74-122	2	30				
Ethylbenzene	109	108	77-125	1	30				
di-Isopropyl ether	96	93	70-129	2	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				

*- 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 10:56 AM

Group Number: 1144293

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: Z091342AA	Sample number(s): 5669264 UNSPK: P669510								
Benzene	103	104	80-126	0	30				
Ethylbenzene	109	109	77-125	0	30				
Toluene	111	109	80-125	2	30				
Xylene (Total)	111	111	79-125	0	30				
Batch number: Z091352AA	Sample number(s): 5669267 UNSPK: P669330								
Ethylbenzene	112	115	77-125	2	30				
Batch number: 09133A07A	Sample number(s): 5669264 UNSPK: P668190								
TPH-GRO N. CA water C6-C12	109		63-154						
Batch number: 09134A20A	Sample number(s): 5669265-5669268 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: 09133A07A

	Trifluorotoluene-F
5669264	92
Blank	94
LCS	104
LCSD	103
MS	101
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09134A20A

	Trifluorotoluene-F
5669265	191*
5669266	107
5669267	108
5669268	88
Blank	87
LCS	113
LCSD	119
MS	121
Limits:	63-135

Analysis Name: BTEX+5 Oxygenates by 8260B
Batch number: Z091334AA

*- 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 10:56 AM

Group Number: 1144293

Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5669265	90	90	98	93
5669266	90	89	98	92
5669267	91	90	99	90
5669268	92	92	98	86
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

Analysis Name: BTEX by 8260B
Batch number: Z091342AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5669264	92	92	98	87
Blank	92	93	97	88
LCS	92	93	97	91
MS	92	94	98	91
MSD	92	94	97	91
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Master Scan (water)
Batch number: Z091352AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	92	92	99	88
LCS	91	93	98	92
MS	91	91	98	93
MSD	91	92	99	93
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.

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