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

September 30, 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 *Third Quarter 2009 Groundwater Monitoring Report*_____ and dated September 30, 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

10969 Trade Center Drive, Suite 106, Rancho Cordova, CA 95670
Telephone: 916-889-8900 Facsimile: 916-889-8999
www.CRAworld.com

September 30, 2009 Reference No. 611974

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

Re: Third Quarter 2009 Groundwater Monitoring Report
Former Chevron Service Station No. 9-2029
890 West MacArthur Boulevard
Oakland, California
LOP Case #RO0002438

Dear Mr. Detterman:

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. , dated August 25, 2009) presents the results of the monitoring and sampling of wells MW-5 through MW-8 during third quarter 2009 (Attachment A). Also attached are Figure 1 (Vicinity Map) showing the site location, and Figure 2 (Concentration Map) presenting the third quarter 2009 analytical results along with a rose diagram. The monitoring results during 2009 (first, second, and third quarters) are discussed below.

During 2009, elevated concentrations of total petroleum hydrocarbons as gasoline (TPHg) (ranging from 7,600 to 14,000 micrograms per liter [µg/L]), benzene (ranging from 240 to 1,500 µg/L) and methyl tertiary butyl ether (MTBE) (ranging from 38 to 330 µg/L) were detected in well MW-6; generally low to relatively low concentrations of toluene (up to 12 µg/L), ethylbenzene (up to 1,400 µg/L) and xylenes (up to 180 µg/L) were also detected. The detected concentrations were consistent with fluctuations observed during 2008. In well MW-5, concentrations consistently decreased during 2009; TPHg decreased from 5,100 to 520 µg/L, benzene decreased from 31 to 0.7 µg/L, and MTBE decreased from 6 to 2 µg/L. The toluene, ethylbenzene, and xylenes concentrations in well MW-5 also decreased during 2009 and these constituents were not detected during the third quarter event. Conversely, concentrations in well MW-7 generally increased during 2009; TPHg increased from 630 to 8,900 µg/L and benzene increased from 30 to 240 µg/L. The toluene (up to 0.7 µg/L), ethylbenzene (up to 770 µg/L), and xylenes (up to 5 µg/L) concentrations in well MW-7 also increased during 2009. The MTBE concentrations in well MW-5 remained similar and low (up to 8 µg/L) during 2009. TPHg, benzene, toluene, ethylbenzene, and xylenes (BTEX), and MTBE were not detected in well MW-8 during 2009 and generally have not been detected in this well since it was installed. Low concentrations of tertiary butyl alcohol (TBA) were detected in wells MW-5 (up to 7 µg/L), MW-6 (up to 190 µg/L), and MW-7 (4 µg/L) during one or more events in 2009; and low concentrations of tertiary amyl methyl ether (TAME) (up to 5 µg/L) were detected in well MW-6 during 2009. Other fuel oxygenates (except MTBE) were not detected. As TBA is a breakdown product of MTBE, the detections of TBA may indicate natural biodegradation of MTBE in the subsurface.

Based on the analytical results, impacted groundwater is present downgradient of the site in the area of wells MW-5, MW-6, and MW-7. Concentrations in well MW-6 remained relatively stable during 2009 and were consistent with observed fluctuations; however, concentrations in wells MW-5 and MW-7 generally significantly decreased and increased, respectively, during 2009. The changes may be due to typical seasonal fluctuations; however, more data is needed. CRA recommends continued monitoring and sampling to further evaluate groundwater quality and concentration trends.

In accordance with State Water Resources Control Board (SWRCB) Resolution No. 2009-0042, and as stated in the ACEH letter dated July 24, 2009 (Attachment B), the monitoring frequency at the site is to be reduced to semi-annual unless site-specific needs warrant otherwise. CRA concurs that a reduction to semi-annual appears appropriate at the site. Therefore, wells MW-5 through MW-8 will now be gauged and sampled on a semi-annual basis during the first and third quarters.

As furthest downgradient well MW-7 is impacted, additional investigation to further evaluate the extent of impacted groundwater downgradient of this well appears warranted. CRA submitted a *Work Plan for Additional Investigation*, dated August 25, 2009, that proposed the drilling of two additional borings; and we are awaiting concurrence from ACEH to implement the proposed scope of work.

Please contact Mr. James Kiernan at (916) 889-8917 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

FOR Kelly M. Rider

James P. Kiernan, P.E. #C68498

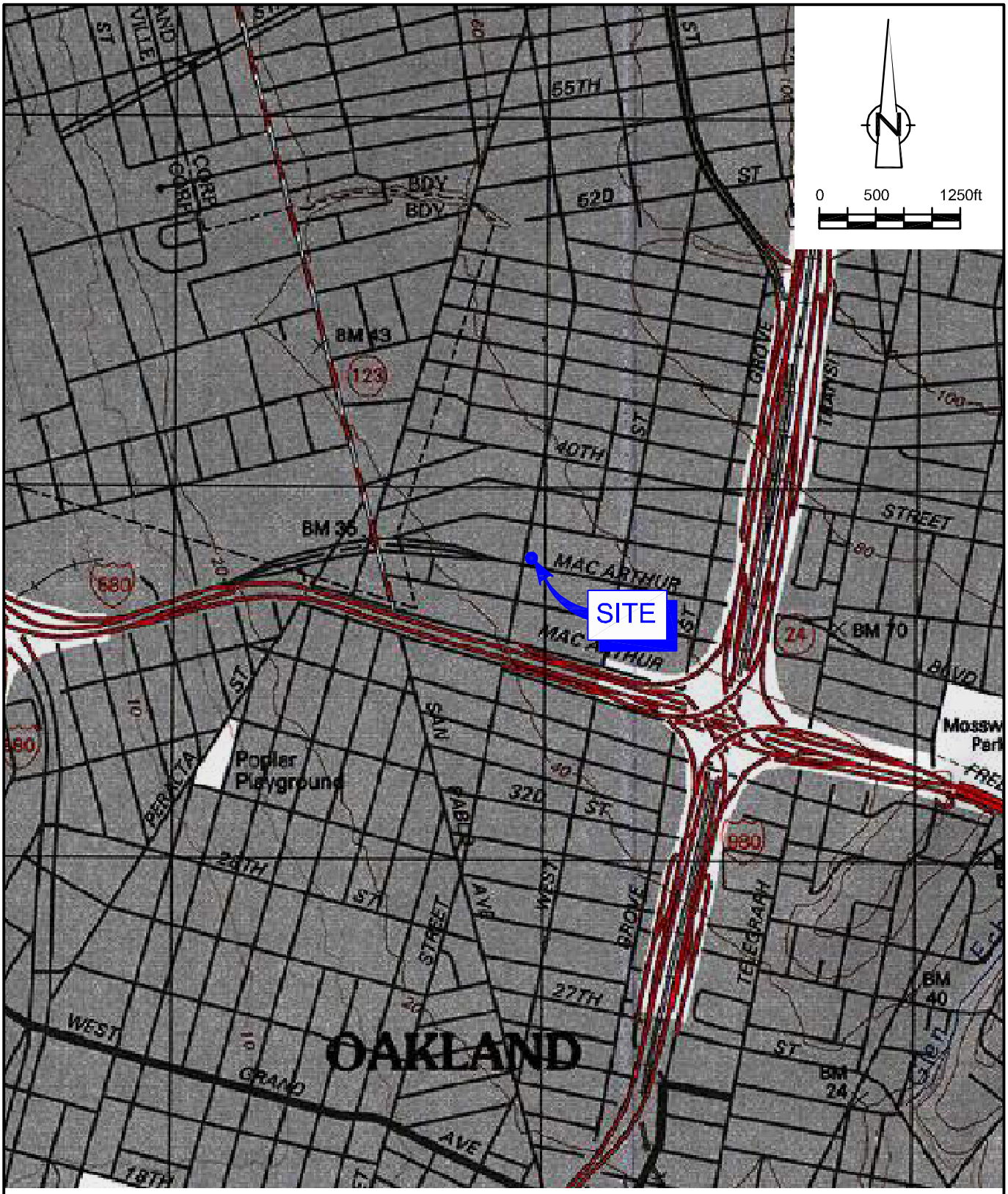
REGISTERED PROFESSIONAL ENGINEER
JAMES P. KIERNAN
No. 68498
Exp. 9/30/11
CIVIL
STATE OF CALIFORNIA

KR/jt/6
Encl.

Figure 1	Vicinity Map
Figure 2	Concentration Map - August 7, 2009
Attachment A	Third Quarter 2009 Groundwater Monitoring and Sampling Report
Attachment B	ACEH Letter Dated July 24, 2009

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

FIGURES



SOURCE: TOPO! MAPS.

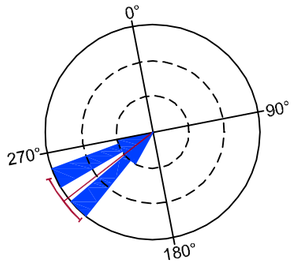
figure 1

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

0 10 30ft

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

WEST MACARTHUR BOULEVARD

APPROXIMATE PROPERTY LINE

FORMER RESTROOMS/STORAGE
FORMER WASTE OIL TANK
FORMER STATION BUILDING
FORMER HYDRAULIC HOISTS
FORMER DISPENSER ISLAND
FORMER KIOSK
FORMER DISPENSER ISLANDS
FORMER USTS

MW-1 MW-2 MW-3 MW-4 MW-5 (520) *(0.7)* (2) MW-6 (14,000) *(1,500)* (330) MW-7 (8,900) *(240)* (5) MW-8 (<50) *(<0.5)* (<0.5)

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

FL = 35.66 FL = 32.7 FL = 37.78 FL = 39.0 FL = 38.5

C.B. M.H.

figure 2

CONCENTRATION MAP - AUGUST 7, 2009
FORMER CHEVRON STATION 9-2029
890 W. MACARTHUR BOULEVARD
Oakland, California

BASEMAP MODIFIED FROM DRAWING PROVIDED BY

611974-299(007)GN-WA001 SEP 28/2009

ATTACHMENT A

THIRD QUARTER 2009 GROUNDWATER MONITORING AND SAMPLING REPORT

GETTLER-RYAN INC.

TRANSMITTAL

September 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	August 25, 2009	Groundwater Monitoring and Sampling Report **Event of August 7, 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 ***September 22, 2009*** at which time the final report will be distributed to the following:

Mr. Mark Detterman, 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

September 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 MacArthur Blvd., Oakland, California

I have reviewed the attached routine groundwater monitoring report dated September 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: 8.7.09
Sampler: FT

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	Morrison/6"/2	
MW-6	OK							N	N		
MW-7	OK	OK	R=1 5/16"	OK	OK	OK	OK	N	N		
MW-8	OK							N	Y		

Comments

GETTLER-RYAN INC.

August 25, 2009
G-R Job #386911

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

RE: Event of August 7, 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.

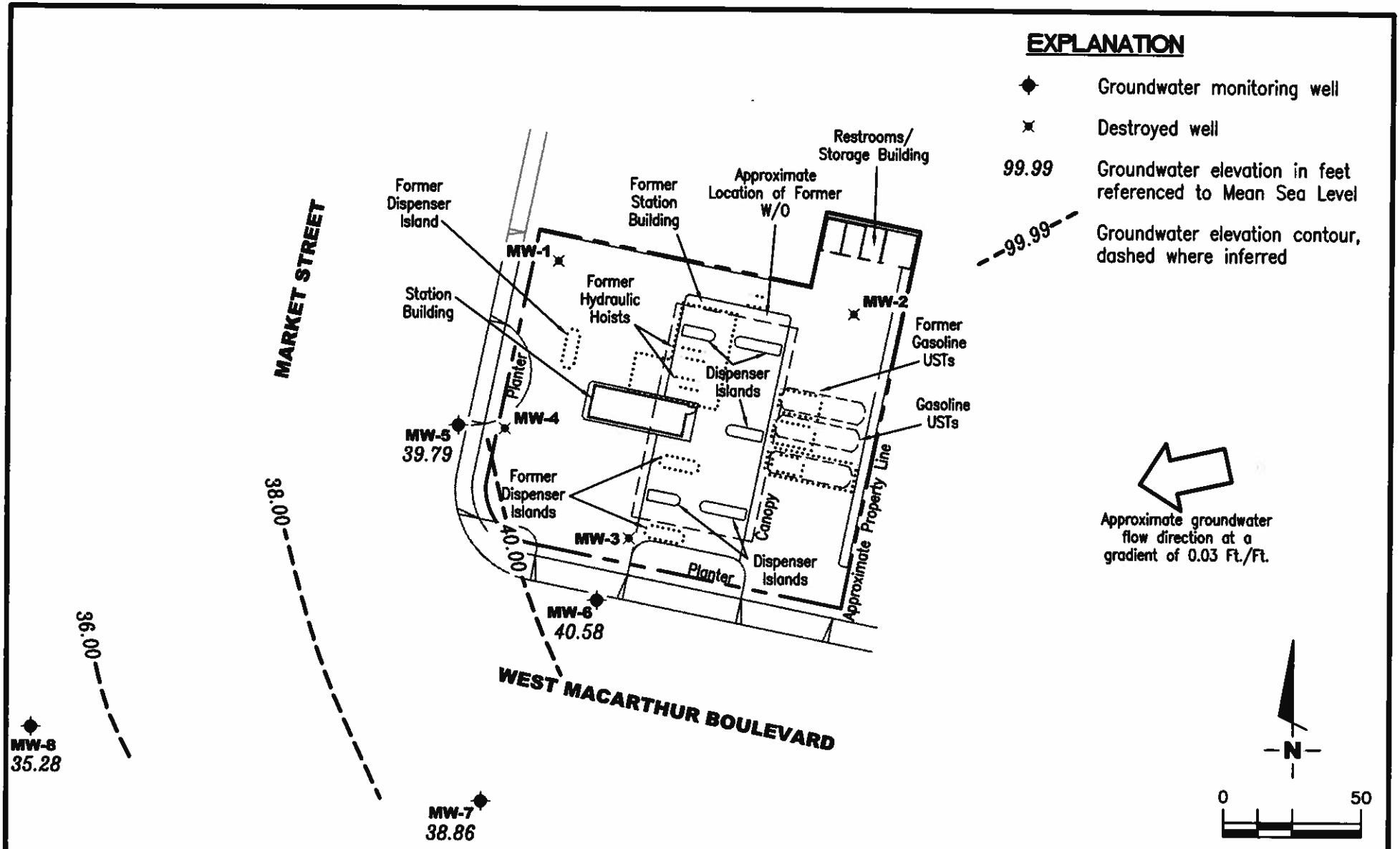
Sincerely,

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, Dated: 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		August 7, 2009	

FILE NAME: P:\Enviro\Chevron\9-2029\Q09-9-2029.DWG | Layout Tab: Pat3

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
08/07/09[3]	**49.39**	**9.60**	**39.79**	**520**	**0.7**	**<0.5**	**<0.5**	**<0.5**	**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
08/07/09[3]	**49.07**	**8.49**	**40.58**	**14,000**	**1,500**	**12**	**1,400**	**180**	**330**
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
08/07/09[3]	**48.74**	**9.88**	**38.86**	**8,900**	**240**	**0.7**	**770**	**5**	**5**
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
08/07/09[3]	**47.61**	**12.33**	**35.28**	**<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)
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]
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

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)									
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	--	--	--	--	--	--
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

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)									
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
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

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)									
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
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	--
08/07/09[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	--	--
	08/07/09	--	**<2**	**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	--	--
	08/07/09	--	**190**	**330**	**<3**	**<3**	**5**	--	--
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	--	--
	08/07/09	--	**4**	**5**	**<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	--	--
	08/07/09	--	**<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

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)	06/30/04	<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-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

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)	03/23/05	<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
	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: 8.7.09 (inclusive)
City: Oakland, CA | Sampler: FT

Well ID: MW-5 | Date Monitored: 8.7.09
Well Diameter: 2 in.
Total Depth: 24.95 ft.
Depth to Water: 9.60 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.

15.35 xVF .17 = 2.60 x3 case volume = Estimated Purge Volume: 8.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.67

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): 0920 | Weather Conditions: SUNNY
Sample Time/Date: 0946 / 8.7.09 | Water Color: LT. BRN. Odor: Y / (N)
Approx. Flow Rate: ~ gpm. | Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 12.05

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
0925	2.5	7.25	517	18.0		
0930	5.0	7.21	522	17.8		
0936	8.0	7.20	530	17.7		

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: 8.7.09 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW- 6 Date Monitored: 8.7.09
Well Diameter 2 in.
Total Depth 24.97 ft.
Depth to Water 8.49 ft.

Volume Factor (VF)	3/4"= 0.02	t"= 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.

16.48 xVF .17 = 2.80 x3 case volume = Estimated Purge Volume: 8.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.78

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): 0956 Weather Conditions: Sunny
Sample Time/Date: 1021 / 8.7.09 Water Color: Lt. Gray Odor: Y (N) Strong
Approx. Flow Rate: ✓ gpm. Sediment Description: S. Silty
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 9.15

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1001	2.5	7.05	542	20.5		
1006	5.0	6.98	551	20.1		
1011	8.0	6.94	560	19.9		

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: 8.7.09 (inclusive)
City: Oakland, CA Sampler: FT

Well ID MW-7 Date Monitored: 8.7.09
Well Diameter 2 in.
Total Depth 24.96 ft.
Depth to Water 9.88 ft.
15.08 xVF .17 = 2.56 x3 case volume = Estimated Purge Volume: 7.5 gal.

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

☐ Check if water column is less then 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.89

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): 1033 Weather Conditions: SUNNY / CLOUDY
Sample Time/Date: 1055 / 8.7.09 Water Color: LT. GREY Odor: Y / N STRONG
Approx. Flow Rate: — gpm. Sediment Description: S. SILTY
Did well de-water? NO If yes, Time: Volume: gal. DTW @ Sampling: 10.02

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1038	2.5	6.96	596	20.5		
1041	5.0	6.93	603	20.0		
1046	7.5	6.90	611	19.8		

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: (1) 5/16"

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: 8.7.09 (inclusive)
City: Oakland, CA Sampler: FF

Well ID MW-8 Date Monitored: 8.7.09
Well Diameter 2 in.
Total Depth 24.96 ft.
Depth to Water 12.33 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.

12.63 xVF .17 = 2.14 x3 case volume = Estimated Purge Volume: 6.0 gal.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 14.85

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): 1107 Weather Conditions: SUNNY
Sample Time/Date: 1128 / 8-7-09 Water Color: BRN Odor: Y / N MODERATE
Approx. Flow Rate: ✓ gpm. Sediment Description: SILTY
Did well de-water? NO If yes, Time: _____ Volume: _____ gal. DTW @ Sampling: 12.49

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
1111	2.0	7.19	463	21.1		
1115	4.0	7.17	470	20.9		
1119	6.0	7.14	476	20.5		

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: ✓ 2" Add/Replaced Bolt: _____

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

080709-06

For Lancaster Laboratories use only
Acct. #: 12099 Sample #: 5744839-43 Group #: 018723

C# 1156871

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., 5747 Sierra Court, Suite J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: FRANK TERMINI

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water	Oil	Air	Potable	NPDES	Total Number of Containers
QA	8.7.09					W					2
MW-5		0946	X								6
MW-6		1021	X								6
MW-7		1055	X								6
MW-8		1128	X								6

Analyses Requested / Preservation Codes

BTEX 8260 X 8021 ☐ | TPH 8015 MOD GRO | TPH 8015 MOD DRO ☐ Silica Gel Cleanup | 8260 full scan | 5 Oxygenates (8260) | Total Lead Method | Dissolved Lead Method

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:	8.7.09	1236	Received by:	8/7/09	1230
Relinquished by:	8/7/09	1600	Received by: FedEx		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	8/8/09	1005
Temperature Upon Receipt 11-3-1 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

August 19, 2009

SAMPLE GROUP

The sample group for this submittal is 1156871. Samples arrived at the laboratory on Saturday, August 08, 2009. The PO# for this group is 92029 and the release number is MTI.

Client Description	Lancaster Labs Number
QA-T-090807 NA Water	5744839
MW-5-W-090807 Grab Water	5744840
MW-6-W-090807 Grab Water	5744841
MW-7-W-090807 Grab Water	5744842
MW-8-W-090807 Grab Water	5744843

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

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,

Susan M Goshert

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5744839

Group No. 1156871
CA

QA-T-090807 NA Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W MacArthur-Oakland T0600173887 QA

Collected: 08/07/2009

Account Number: 12099

Submitted: 08/08/2009 10:50
Reported: 08/19/2009 at 18:48
Discard: 09/19/2009

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

WMOQA

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. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P092232AA	08/11/2009 20:44	Daniel H Heller	1
06053	BTEX by 8260B	SW-846 8260B	1	P092232AA	08/11/2009 20:44	Daniel H Heller	1
01146	GC VOA Water Prep	SW-846 5030B	1	09224A07A	08/13/2009 14:34	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09224A07A	08/13/2009 14:34	Fanella S Zamcho	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5744840

Group No. 1156871
CA

MW-5-W-090807 Grab Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W MacArthur-Oakland T0600173887 MW-5

Collected: 08/07/2009 09:46 by FT

Account Number: 12099

Submitted: 08/08/2009 10:50
Reported: 08/19/2009 at 18:48
Discard: 09/19/2009

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

WMO05

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	0.7	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	2	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.	520	50	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092231AA	08/11/2009 17:42	Ginelle L Feister	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z092231AA	08/11/2009 17:42	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	09224A07A	08/13/2009 17:15	Fanella S Zamcho	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09224A07A	08/13/2009 17:15	Fanella S Zamcho	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5744841

Group No. 1156871
CA

MW-6-W-090807 Grab Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W MacArthur-Oakland T0600173887 MW-6

Collected: 08/07/2009 10:21 by FT

Account Number: 12099

Submitted: 08/08/2009 10:50
Reported: 08/19/2009 at 18:48
Discard: 09/19/2009

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

WMO06

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	5	3	5
06056	Benzene	71-43-2	1,500	25	50
06056	t-Butyl alcohol	75-65-0	190	10	5
06056	Ethyl t-butyl ether	637-92-3	N.D.	3	5
06056	Ethylbenzene	100-41-4	1,400	25	50
06056	di-Isopropyl ether	108-20-3	N.D.	3	5
06056	Methyl Tertiary Butyl Ether	1634-04-4	330	3	5
06056	Toluene	108-88-3	12	3	5
06056	Xylene (Total)	1330-20-7	180	25	50
SW-846 8015B	**GC Volatiles**		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	14,000	250	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092231AA	08/11/2009 18:07	Ginelle L Feister	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z092231AA	08/11/2009 18:32	Ginelle L Feister	50
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z092231AA	08/11/2009 18:07	Ginelle L Feister	5
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z092231AA	08/11/2009 18:32	Ginelle L Feister	50
01146	GC VOA Water Prep	SW-846 5030B	1	09224A07B	08/17/2009 15:54	Carrie E Miller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09224A07B	08/17/2009 15:54	Carrie E Miller	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5744842

Group No. 1156871
CA

MW-7-W-090807 Grab Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W MacArthur-Oakland T0600173887 MW-7

Collected: 08/07/2009 10:55 by FT

Account Number: 12099

Submitted: 08/08/2009 10:50
Reported: 08/19/2009 at 18:48
Discard: 09/19/2009

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

WMO07

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	240	5	10
06056	t-Butyl alcohol	75-65-0	4	2	1
06056	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1
06056	Ethylbenzene	100-41-4	770	5	10
06056	di-Isopropyl ether	108-20-3	N.D.	0.5	1
06056	Methyl Tertiary Butyl Ether	1634-04-4	5	0.5	1
06056	Toluene	108-88-3	0.7	0.5	1
06056	Xylene (Total)	1330-20-7	5	0.5	1
SW-846 8015B	**GC Volatiles**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	8,900	250	5

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092231AA	08/11/2009 18:58	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Z092231AA	08/11/2009 19:23	Ginelle L Feister	10
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z092231AA	08/11/2009 18:58	Ginelle L Feister	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z092231AA	08/11/2009 19:23	Ginelle L Feister	10
01146	GC VOA Water Prep	SW-846 5030B	1	09224B08A	08/13/2009 11:47	Tyler O Griffin	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09224B08A	08/13/2009 11:47	Tyler O Griffin	5

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Analysis Report

Lancaster Laboratories Sample No. WW 5744843

Group No. 1156871
CA

MW-8-W-090807 Grab Water
Facility# 92029 Job# 386911 MTI# 61-1974 GRD
890 W MacArthur-Oakland T0600173887 MW-8

Collected: 08/07/2009 11:28 by FT

Account Number: 12099

Submitted: 08/08/2009 10:50
Reported: 08/19/2009 at 18:48
Discard: 09/19/2009

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

WMO08

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. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z092231AA	08/11/2009 19:49	Ginelle L Feister	1
06056	BTEX+5 Oxygenates by 8260B	SW-846 8260B	1	Z092231AA	08/11/2009 19:49	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	09224B08A	08/13/2009 11:23	Tyler O Griffin	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09224B08A	08/13/2009 11:23	Tyler O Griffin	1

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Chevron c/o CRA
Reported: 08/19/09 at 06:48 PM

Group Number: 1156871

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: P092232AA	Sample number(s): 5744839							
Benzene	N.D.	0.5	ug/l	95	97	80-116	2	30
Ethylbenzene	N.D.	0.5	ug/l	96	97	80-113	1	30
Toluene	N.D.	0.5	ug/l	99	99	80-115	0	30
Xylene (Total)	N.D.	0.5	ug/l	97	97	81-114	0	30
Batch number: Z092231AA	Sample number(s): 5744840-5744843							
t-Amyl methyl ether	N.D.	0.5	ug/l	96		78-117		
Benzene	N.D.	0.5	ug/l	103		80-116		
t-Butyl alcohol	N.D.	2.	ug/l	107		74-116		
Ethyl t-butyl ether	N.D.	0.5	ug/l	98		75-118		
Ethylbenzene	N.D.	0.5	ug/l	101		80-113		
di-Isopropyl ether	N.D.	0.5	ug/l	119		71-124		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	109		78-117		
Toluene	N.D.	0.5	ug/l	101		80-115		
Xylene (Total)	N.D.	0.5	ug/l	100		81-114		
Batch number: 09224A07A	Sample number(s): 5744839-5744840							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	118	118	75-135	0	30
Batch number: 09224A07B	Sample number(s): 5744841							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	118	118	75-135	0	30
Batch number: 09224B08A	Sample number(s): 5744842-5744843							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	127	118	75-135	7	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: P092232AA	Sample number(s): 5744839 UNSPK: P742767								
Benzene	103		80-126						
Ethylbenzene	104		77-125						
Toluene	105		80-125						
Xylene (Total)	105		79-125						
Batch number: Z092231AA	Sample number(s): 5744840-5744843 UNSPK: P744823								
t-Amyl methyl ether	95	97	75-122	3	30				
Benzene	105	109	80-126	4	30				
t-Butyl alcohol	104	110	67-119	6	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: 08/19/09 at 06:48 PM

Group Number: 1156871

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
Ethyl t-butyl ether	97	98	74-122	1	30				
Ethylbenzene	104	107	77-125	3	30				
di-Isopropyl ether	120	105	70-129	13	30				
Methyl Tertiary Butyl Ether	111	113	72-126	3	30				
Toluene	103	106	80-125	2	30				
Xylene (Total)	103	105	79-125	2	30				

Batch number: 09224A07A Sample number(s): 5744839-5744840 UNSPK: P744965
TPH-GRO N. CA water C6-C12 118 63-154

Batch number: 09224A07B Sample number(s): 5744841 UNSPK: P744965
TPH-GRO N. CA water C6-C12 118 63-154

Batch number: 09224B08A Sample number(s): 5744842-5744843 UNSPK: P744869
TPH-GRO N. CA water C6-C12 127 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: BTEX by 8260B
Batch number: P092232AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5744839	95	95	96	91
Blank	93	93	96	91
LCS	92	98	97	94
LCSD	94	97	97	93
MS	93	98	97	94
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX+5 Oxygenates by 8260B
Batch number: Z092231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5744840	106	100	106	99
5744841	103	99	109	105
5744842	101	97	109	118*
5744843	107	105	107	95
Blank	106	102	106	96
LCS	107	104	107	103
MS	107	105	106	102
MSD	106	104	106	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09224A07A

*- 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

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

Analysis Report

Quality Control Summary

Client Name: Chevron c/o CRA
Reported: 08/19/09 at 06:48 PM

Group Number: 1156871

Surrogate Quality Control

	Trifluorotoluene-F
5744839	97
5744840	107
Blank	98
LCS	110
LCSD	111
MS	108
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09224A07B

	Trifluorotoluene-F
5744841	134
Blank	98
LCS	110
LCSD	111
MS	108
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09224B08A

	Trifluorotoluene-F
5744842	125
5744843	103
Blank	103
LCS	110
LCSD	108
MS	110
Limits:	63-135

*- 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)	**flb >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.

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

ATTACHMENT B

ACEH LETTER DATED JULY 24, 2009

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 24, 2009

STACIE HARTING-FRERICHS
CHEVRON CORPORATION
6111 BOLLINGER CANYON RD
RM 3596
SAN RAMON CA 94583

WESTMAC LLC
1842 21ST AVE
SAN FRANCISCO CA 94122

CR4
JUL 29 2009
Received

Subject: Fuel Leak Case No. RO0002438 and Geotracker Global ID T0600173887, CHEVRON #9-2029, 890 MACARTHUR BLVD, OAKLAND CA 94608 – Groundwater Monitoring Requirements

Dear Responsible Party:

The purpose of this correspondence is to inform you of changes to groundwater monitoring requirements for all fuel leak cases in California. The California State Water Resources Control Board (State Water Board) has approved Resolution No. 2009-0042 (*Actions to Improve Administration of the UST Cleanup Fund and UST Cleanup Program*). Resolution No. 2009-0042 states that, "*Regional Water Board and LOP agencies shall reduce quarterly groundwater monitoring requirements to semiannual or less frequent monitoring at all sites unless site-specific needs warrant otherwise and shall notify all responsible parties of the new requirements no later than August 1, 2009. If more than semiannual monitoring is required for a case, the responsible party and State Water Board shall be notified of the rationale and the notice shall be posted on Geotracker.*"

Sites with Ongoing Groundwater Monitoring

If your site has ongoing groundwater monitoring, the frequency of groundwater monitoring is to be reduced from quarterly to semiannual monitoring in accordance with Resolution No. 2009-0042, unless site-specific needs warrant otherwise. Examples of site-specific conditions where monitoring more frequent than semiannual may be warranted include but are not limited to the following:

- Assessment incomplete
- WDR permit requirement
- Well being sampled to evaluate ongoing or proposed pilot tests, interim remedial actions, or long-term remedial actions for progress assessment or where data are needed to monitor or optimize system performance.
- Well being sampled for free product evaluation and reduction verification
- Well being sampled within first year of being installed
- Well being sampled to evaluate post-remedial action verification monitoring
- Well has not shown reliable consistency yet to warren reduction on sampling frequency
- Well is last point of monitoring prior to possible impact to receptor
- Plume that is currently affecting a sensitive receptor or potentially could affect a sensitive receptor such as a water supply well.

Please review your site conditions to assess whether these conditions are applicable or other site-specific conditions exist that would warrant continuation of quarterly monitoring. If none of the above conditions are applicable, semiannual groundwater monitoring is to be implemented for the site. If site-specific conditions warrant continuation of quarterly groundwater monitoring for any wells, please submit a proposed sampling and analysis schedule along with your technical rationale supporting the proposal by **August 24, 2009**.

Schedule for Semiannual Sampling

Semiannual monitoring is to be conducted during either the first and third quarters or during the second and fourth quarters. Please review historic groundwater monitoring results and identify the quarter during which the highest chemical concentrations typically occur in order to select the appropriate semiannual monitoring schedule. As an example, if the highest chemical concentrations in groundwater are typically reported during the first quarter, the wells should be sampled on a first and third quarter monitoring schedule.

Existing Groundwater Monitoring Schedules Less Frequent than Semiannual

Any groundwater monitoring wells that are currently sampled on a less frequent schedule than semiannual (annual or longer) may continue to be sampled on the less frequent schedule.

Reporting

Please present results from groundwater sampling events in groundwater monitoring reports no later than 60 days following the groundwater sampling event.

If you have any questions, please call me at (510) 567-6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Mark E. Detterman. PG, CEG
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: James Kiernan, Conestoga-Rovers & Assoc, 2000 Opportunity Dr, Suite 110, Roseville, CA 95678
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032 (*Sent via E-mail to:* lgriffin@oaklandnet.com)
Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Mark. Detterman, ACEH (*Sent via E-mail to: mark.detterman@acgov.org*)
Geotracker, File

RESPONSIBLE PARTY OF RECORD AS OF 07/22/2009

RO0002438, CHEVRON #9-2029, 890 MACARTHUR BLVD , OAKLAND, CA, 94608

Alameda County Environmental Health (ACEH) has the following information on record regarding the Responsible Party(ies) for the above referenced site. Please update the following information for our records. Should you have contact information regarding additional Responsible Parties, please correct the information accordingly. Also, please check the "e-mail preferred" box to receive all future correspondences and notifications by e-mail.

☐ E-mail Preferred ☐ Hardcopy Preferred

ACEH is requesting your e-mail address so that we can correspond with you quickly and efficiently regarding your case. Please note that ACEH respects your privacy. Your e-mail address will remain confidential and will not be provided to any third party.

Current Information	Corrections or Additions
STACIE HARTING-FRERICHS CHEVRON CORPORATION 6111 BOLLINGER CANYON RD RM 3596 SAN RAMON CA 94583 staciehf@chevron.com 9255432377 9255480010	Name: _____ Company: _____ Address: _____ City: _____ State: _____ Zip: _____ E-mail: _____ Home Phone: (____) _____ Office Phone: (____) _____ Cell Phone: (____) _____
FIRST2394 LAST2394 WESTMAC LLC 1842 21ST AVE SAN FRANCISCO CA 94122	Name: _____ Company: _____ Address: _____ City: _____ State: _____ Zip: _____ E-mail: _____ Home Phone: (____) _____ Office Phone: (____) _____ Cell Phone: (____) _____

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	ISSUE DATE: July 5, 2005
	REVISION DATE: March 27, 2009
	PREVIOUS REVISIONS: December 16, 2005, October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests; regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection.** (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
         Or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for.**

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape and Firefox browsers will not open the FTP site.
   b) Click on File, then on Login As.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.