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**Alameda County
Environmental Health**

Aaron Costa
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Marketing Business Unit

**Chevron Environmental
Management Company**
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August 7, 2009

Mr. Rod Smith
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Subject: Former Chevron Service Station No. 9-0260
21995 Foothill Boulevard
Hayward, CA
Permit No. 007-03

Dear Mr. Smith:

During the current reporting period, the groundwater treatment and extraction system at the site referenced above operated in compliance with the conditions specified in the Oro Loma Sanitary District Wastewater Discharge Permit No. 007-03.

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Sincerely,

Aaron Costa
Project Manager



**CONESTOGA-ROVERS
& ASSOCIATES**

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

August 7, 2009

Reference No. 311915

Mr. Rod Smith
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Re: Monthly Discharge Report – July 2009
Former Chevron Service Station #9-0260
21995 Foothill Boulevard
Hayward, California
Permit No. 007-03

Dear Mr. Smith:

Conestoga-Rovers & Associates (CRA) prepared this document on behalf of Chevron Environmental Management Company (Chevron). This report was prepared in accordance with the requirements of the wastewater discharge permit. During the current reporting period, the remediation system at the subject site operated in compliance with the Special Wastewater Discharge Permit.

SELF-MONITORING REPORT – JULY 2009

REPORTING PERIOD ACTIVITIES

- CRA conducted routine operation and maintenance on July 2, July 8, July 15, and July 22, 2009.
- CRA collected effluent compliance samples and a pH reading on July 8, 2009.
- CRA manually shutdown the groundwater extraction system on July 22, 2009 to assess rebound of hydrocarbon concentrations in the groundwater.
- CRA prepared this document, which includes tabulated operational and sample analytical data (Tables 1, 2, and 3). Laboratory analytical reports are included as Attachment A.

Equal
Employment
Opportunity Employer



**CONESTOGA-ROVERS
& ASSOCIATES**

August 7, 2009

Reference No. 311915

REPORTING PERIOD DATA SUMMARY (6/25/09 TO 7/22/09)

Compliance Sampling Frequency	<u>Monthly</u>
Initial Totalizer Reading	<u>1,031,225 gallons</u>
Final Totalizer Reading	<u>1,066,800 gallons</u>
Discharged Volume	<u>35,575 gallons</u>
Average Discharge Flow Rate	<u>0.91 gallons per minute</u>
Maximum Discharge Flow Rate	<u>1.57 gallons per minute</u>
Discharge Violations or Exceedances	<u>None</u>

If you have any questions regarding the contents of this document, please call Jeff Schrupp at (510) 420-3362 or Casey Sanders at (916) 889-8921.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Casey Sanders

JS/doh/14

Enc.

Table 1	Influent and Effluent Fuel Concentrations
Table 2	System Operational Data
Table 3	Effluent Compliance Results

Attachment A Laboratory Analytical Report

cc: Mr. Aaron Costa, Chevron Environmental Management Company

TABLES

TABLE 1: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Influent and Effluent Fuel Concentrations
Former Chevron Station # 9-0260
21995 Foothill Boulevard, Hayward, California

Sample Date (mm/dd/yy)	Influent						Midfluent 1						Midfluent 2						Effluent						pH ⁴
	TPH ^g ¹ Conc. (µg/L)	Benzene ² Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE ³ Conc. (µg/L)	TPH ^g Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE Conc. (µg/L)	TPH ^g Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE Conc. (µg/L)	TPH ^g Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE Conc. (µg/L)	
06/25/07	34,000	2,000	6,400	1,300	6,100	92	NA	NA	NA	NA	NA	NA							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.17
07/17/07	42,000	1,700	1,700	1,400	6,400	57	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.1
07/26/07	57,000	1,800	7,200	1,600	7,000	51	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA
08/17/07	65,000	2,800	10,000	1,500	7,000	74	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.2
08/22/07	44,000	2,100	7,900	1,500	7,500	56	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3
08/29/07	43,000	2,000	7,200	1,400	6,600	53	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.89
09/26/07	42,000	1,800	6,400	1,400	6,800	33	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.5
10/04/07	34,000	1,500	5,900	800	6,000	40	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.92
10/08/07	45,000	2,400	8,500	920	6,400	45	150	4.1	23	3	25	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.36
10/19/07	42,000	2,300	8,100	950	6,000	38	< 50	1.2	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3
10/25/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS							NS	NS	NS	NS	NS	NS	7.3
12/05/07	46,000	2,400	7,500	920	4,800	42	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS
12/06/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS							NS	NS	NS	NS	NS	NS	7.5
12/18/07	31,000	1,800	5,100	900	4,400	37	< 50	0.9	3.3	0.6	2.6	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8
01/03/08	41,000	2,400	8,200	1,200	6,800	35	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.03
01/18/08	36,000	1,000	5,100	700	5,300	35	< 50	< 0.5	< 0.5	< 0.5	< 1.5	0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8
02/07/08	65,000	2,400	9,500	1,000	7,200	21	< 720	< 29.0	110	3.9	95	< 2.0							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.65
02/14/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS							NS	NS	NS	NS	NS	NS	6.72
03/05/08	40,000	2,100	8,500	1,200	6,700	28	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	0.7	< 0.5	< 1.5	< 0.5	8.3
03/13/08	37,000	1,700	7,200	820	5,700	37	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	Carbon vessel added 07/22/08						120	2.2	17	1.2	23	< 0.5	NS
8/1/2008 ⁵	41,000	1,500	7,400	990	4,300	36	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.25
08/08/08	40,000	1,900	6,900	990	5,400	35	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.01
09/03/08	31,000	970	4,900	800	4,600	33	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.41
09/17/08	32,000	1,300	7,300	710	5,400	22	< 50	< 0.5	< 0.5	< 0.5	< 1.5	0.80	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.47
10/01/08	26,000	980	5,400	350	4,200	28	< 50	< 0.5	< 0.5	< 0.5	< 1.5	0.80	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.73
10/16/08	27,000	1,100	6,600	750	4,600	34	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS
11/04/08	25,000	670	4,700	320	3,800	24	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.42
11/21/08	87,000	2,700	18,000	1,100	11,000	30	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.69
12/03/08	33,000	710	4,400	480	5,500	26	< 50	< 0.5	< 0.5	< 0.5	< 1.5	0.8	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.32
12/18/08	39,000	730	4,500	680	6,200	24	82	< 0.5	< 0.5	< 0.5	< 1.5	2	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.70
01/06/09	21,000	690	4,300	460	3,600	22	79	< 0.5	< 0.5	< 0.5	< 1.5	2	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	8.65
01/21/09	17,000	640	3,300	360	2,800	25	< 50	< 0.5	< 0.5	< 0.5	< 1.5	3	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA
02/03/09	17,000	530	3,200	350	2,800	21	< 50	< 0.5	< 0.5	< 0.5	< 1.5	4	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.78
02/20/09	35,000	660	5,200	670	4,800	200	< 50	< 0.5	< 0.5	< 0.5	< 1.5	5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.97
03/03/09	12,000	350	1,800	130	2,400	12	66	1.6	0.5	< 0.5	< 1.5	8	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.59
03/16/09	27,000	630	3,500	410	4,100	26	78	6.6	1.6	< 0.5	< 1.5	7	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS
05/11/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.42
05/14/09	48,000	800	1,100	6,500	7,200	41	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA
06/05/09	29,000	690	4,700	700	4,100	32	73	< 0.5	< 0.5	< 0.5	< 1.5	0.8	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	59	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA
06/08/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.45
07/08/09	27,000	710	3,800	720	3,800	35	52	< 0.5	< 0.5	< 0.5	< 1.5	2.0	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.20
Regulatory Limits (ug/L):																			15,000	ND	ND	ND	ND		5.5-12.5

Abbreviations:

- Conc. = concentration
µg/L = micrograms per liter
NA = not analyzed
NS = not sampled
TPHg = total petroleum hydrocarbons quantified as gasoline (by EPA Method 8015B)
MtBE = methyl tert-butyl ether (by EPA Method 8260B)
L = liter

Notes:

1. = Analyzed by EPA Method 8015B
2. = Analyzed by EPA Method 8020
3. = Analyzed by EPA Method 8260B
4. = pH readings were obtained onsite by utilizing a portable multimeter
5. = Groundwater was pumped into a vacuum truck. No water was discharged to the sewer.

TABLE 2: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Operational Data
Former Chevron Station # 9-0260
21995 Foothill Boulevard, Hayward, California

Date (mm/dd/yy)						TPHg			Benzene			MTBE			Notes
	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	
06/25/07	NA	211	0	0.00	0	34,000	0.0	0.0	2,000	0.00	0.00	92	0.00	0.00	
07/16/07	NA	211	0	0.00	0		0.0	0.0		0.00	0.00		0.00	0.00	
07/17/07	NA	7,524	7,313	4.51	7,313	42,000	2.6	2.6	1,700	0.10	0.10	57	0.00	0.00	3
07/26/07	NA	9,422	1,898	1.17	9,211	57,000	0.9	3.5	1,800	0.03	0.13	51	0.00	0.00	
08/03/07	NA	10,947	1,525	0.13	10,736		0.7	4.2		0.02	0.16		0.00	0.00	
08/16/07	NA	12,100	1,153	0.06	11,889		0.6	4.8		0.03	0.18		0.00	0.01	
08/17/07	NA	15,500	3,400	2.36	15,289	65,000	1.8	6.7	2,800	0.08	0.26	74	0.00	0.01	
08/22/07	NA	18,700	3,200	0.44	18,489	44,000	1.2	7.8	2,100	0.06	0.32	56	0.00	0.01	
08/24/07	NA	22,800	4,100	1.42	22,589		1.5	9.3		0.07	0.39		0.00	0.01	
08/29/07	NA	24,810	2,010	0.28	24,599	43,000	0.7	10.1	2,000	0.03	0.42	53	0.00	0.01	
09/18/07	NA	26,700	1,890	0.07	26,489		0.7	10.7		0.03	0.45		0.00	0.01	
09/21/07	NA	29,900	3,200	0.74	29,689		1.1	11.8		0.05	0.50		0.00	0.01	
09/26/07	NA	39,700	9,800	1.36	39,489	42,000	3.4	15.3	1,800	0.15	0.65	33	0.00	0.02	
09/27/07	NA	44,300	4,600	3.19	44,089		1.6	16.9		0.07	0.72		0.00	0.02	
10/04/07	NA	65,765	21,465	2.13	65,554	34,000	6.1	23.0	1,500	0.27	0.98	40	0.01	0.02	
10/08/07	NA	73,526	7,761	1.35	73,315	45,000	2.9	25.9	2,400	0.16	1.14	45	0.00	0.03	
10/19/07	NA	97,500	23,974	1.51	97,289	42,000	8.4	34.3	2,300	0.46	1.60	38	0.01	0.04	
10/25/07	NA	117,400	19,900	2.30	117,189		7.0	41.3		0.38	1.98		0.01	0.04	2
12/05/07	2.0	119,284	1,884	0.03	119,073	46,000	0.7	42.0	2,400	0.04	2.02	42	0.00	0.04	1
12/06/07	22.3	121,500	2,216	1.54	121,289		0.9	42.8		0.04	2.06		0.00	0.04	
12/11/07	141.8	134,679	13,179	1.83	134,468		5.1	47.9		0.26	2.33		0.00	0.05	
12/18/07	304.9	149,033	14,355	1.42	148,822	31,000	3.7	51.6	1,800	0.22	2.54	37	0.00	0.05	
12/27/07	518.7	170,809	21,776	1.68	170,598		5.6	57.3		0.33	2.87		0.01	0.06	
01/02/08	648.5	183,000	12,191	1.41	182,789		4.2	61.4		0.24	3.11		0.00	0.06	
01/03/08	666.7	185,361	2,361	1.64	185,150	41,000	0.8	62.2	2,400	0.05	3.16	35	0.00	0.06	
01/10/08	690.4	189,800	4,439	0.44	189,589		1.5	63.7		0.09	3.25		0.00	0.06	
01/11/08	718.3	197,700	7,900	5.49	197,489		2.7	66.5		0.16	3.41		0.00	0.07	
01/18/08	882.8	233,945	36,245	3.60	233,734	36,000	10.9	77.3	1,000	0.30	3.71	35	0.01	0.08	
01/23/08	1004.7	254,185	20,240	2.81	253,974		6.1	83.4		0.17	3.88		0.01	0.08	
01/30/08	1061.7	268,200	14,015	1.39	267,989		4.2	87.6		0.12	4.00		0.00	0.09	
02/07/08	1233.7	312,800	44,600	3.87	312,589	65,000	24.2	111.8	2,400	0.89	4.89	21	0.01	0.09	
02/14/08	1399.6	341,772	28,972	2.87	341,561		15.7	127.5		0.58	5.47		0.01	0.10	2
02/26/08	1427.7	346,091	4,319	0.25	345,880		2.3	129.9		0.09	5.56		0.00	0.10	4
03/04/08	1428.2	346,400	309	0.03	346,189		0.2	130.0		0.01	5.56		0.00	0.10	
03/05/08	1,428.2	346,400	0	0.00	346,189	40,000	0.0	130.0	2,100	0.00	5.56	28	0.00	0.10	
03/13/08	1,617.8	379,835	33,435	2.90	379,624	37,000	10.3	140.4	1,700	0.47	6.04	37	0.01	0.11	
08/01/08	1,617.8	379,835	1,000	0.00	379,624	41,000	0.3	140.7	1,500	0.01	6.05	36	0.00	0.11	5
08/08/08	1,623.1	380,302	467	0.05	380,091	40,000	0.2	140.9	1,900	0.01	6.06	35	0.00	0.11	
08/14/08	1,734.0	393,425	13,123	1.52	393,214		4.4	145.2		0.21	6.27		0.00	0.12	
08/22/08	1,928.0	411,400	17,975	1.56	411,189		6.0	151.2		0.28	6.55		0.01	0.12	
08/26/08	2,052.0	421,400	10,000	1.74	421,189		3.3	154.6		0.16	6.71		0.00	0.12	
08/29/08	2,095.7	425,300	3,900	0.90	425,089		1.3	155.9		0.06	6.77		0.00	0.12	
09/03/08	2,218.9	436,999	11,699	1.62	436,788	31,000	3.0	158.9	970	0.09	6.87	33	0.00	0.13	
09/10/08	2,384.8	453,500	16,501	1.64	453,289		4.3	163.2		0.13	7.00		0.00	0.13	
09/11/08	2,406.8	456,388	2,888	2.01	456,177		0.7	163.9		0.02	7.02		0.00	0.13	
09/17/08	2,555.1	472,712	16,324	1.89	472,501	32,000	4.2	168.1	1,300	0.13	7.15	22	0.00	0.14	
09/22/08	2,674.4	484,718	12,006	1.67	484,507		3.1	171.3		0.10	7.25		0.00	0.14	
09/25/08	2,743.4	491,450	6,732	1.56	491,239		1.7	173.0		0.05	7.31		0.00	0.14	
10/01/08	2,880.0	504,825	13,375	1.55	504,614	26,000	2.9	175.9	980	0.11	7.42	28	0.00	0.15	
10/07/08	3,030.7	504,826	1	0.00	504,615		0.0	175.9		0.00	7.42		0.00	0.15	
10/14/08	3,203.0	521,800	16,974	1.68	521,589		3.7	179.6		0.14	7.55		0.00	0.15	

TABLE 2: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Operational Data
Former Chevron Station # 9-0260
21995 Foothill Boulevard, Hayward, California

Date (mm/dd/yy)						TPHg			Benzene			MTBE			Notes
	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	
10/16/08	3,249.5	525,436	3,636	1.26	525,225	27,000	0.8	180.4	1,100	0.03	7.59	34	0.00	0.15	
10/20/08	3,342.5	532,668	7,232	1.26	532,457		1.6	182.0		0.07	7.65		0.00	0.15	
10/30/08	3,587.3	551,119	18,451	1.28	550,908		4.2	186.2		0.17	7.82		0.01	0.16	
11/04/08	3,710.8	566,883	15,764	2.19	566,672	25,000	3.3	189.5	670	0.09	7.91	24	0.00	0.16	
11/14/08	3,928.6	591,371	24,488	1.70	591,160		5.1	194.6		0.14	8.05		0.00	0.17	
11/21/08	4,100.2	609,095	17,724	1.76	608,884	87,000	12.9	207.4	2,700	0.40	8.45	30	0.00	0.17	
11/26/08	4,215.2	619,510	10,415	1.45	619,299		7.6	215.0		0.23	8.68		0.00	0.17	
12/03/08	4,384.8	634,191	14,681	1.46	633,980	33,000	4.0	219.1	710	0.09	8.77	26	0.00	0.18	
12/04/08	4,400.2	635,755	1,564	1.09	635,544		0.4	219.5		0.01	8.78		0.00	0.18	
12/10/08	4,540.5	648,910	13,155	1.52	648,699		3.6	223.1		0.08	8.86		0.00	0.18	
12/18/08	4,733.3	666,837	17,927	1.56	666,626	39,000	5.8	228.9	730	0.11	8.97	24	0.00	0.18	
12/23/08	4,849.8	678,134	11,297	1.57	677,923		3.7	232.6		0.07	9.03		0.00	0.19	
12/30/08	5,019.9	696,221	18,087	1.79	696,010		5.9	238.5		0.11	9.15		0.00	0.19	
01/06/09	5,190.8	713,656	17,435	1.73	713,445	21,000	3.1	241.6	690	0.10	9.25	22	0.00	0.19	
01/09/09	5,257.3	719,457	5,801	1.34	719,246		1.0	242.6		0.03	9.28		0.00	0.19	
01/10/09	5,285.0	720,715	1,259	0.87	720,504		0.2	242.8		0.01	9.29		0.00	0.19	
01/15/09	5,407.8	730,670	9,955	1.38	730,459		1.7	244.5		0.06	9.34		0.00	0.20	
01/21/09	5,551.8	746,771	16,101	1.86	746,560	17,000	2.3	246.8	640	0.09	9.43	25	0.00	0.20	
01/29/09	5,714.0	764,570	17,799	1.55	764,359		2.5	249.3		0.10	9.52		0.00	0.20	
02/03/09	5,800.3	778,493	13,923	1.93	778,282	17,000	2.0	251.3	530	0.06	9.59	21	0.00	0.21	
02/12/09	5,813.7	795,800	17,307	1.34	795,589		2.5	253.8		0.08	9.66		0.00	0.21	
02/18/09	5,854.3	806,200	10,400	1.20	805,989		1.5	255.3		0.05	9.71		0.00	0.21	
02/20/09	5,891.1	814,275	8,075	2.80	814,064	3,500	0.2	255.5	660	0.04	9.75	200	0.01	0.22	
02/25/09	5,931.4	822,654	8,379	1.16	822,443		0.2	255.7		0.05	9.80		0.01	0.24	
03/03/09	6,062.5	850,576	27,922	3.23	850,365	12,000	2.8	258.5	350	0.08	9.88	12	0.00	0.24	
03/04/09	6,075.0	853,991	3,415	2.37	853,780		0.3	258.9		0.01	9.89		0.00	0.24	
03/06/09	6,123.4	864,918	10,927	3.79	864,707		1.1	260.0		0.03	9.92		0.00	0.24	
03/09/09	6,169.2	878,100	13,182	3.05	877,889		1.3	261.3		0.04	9.96		0.00	0.24	
03/13/09	6,191.4	883,831	5,731	0.99	883,620		0.6	261.9		0.02	9.98		0.00	0.24	
03/16/09	6,225.9	897,472	13,641	3.16	897,261	27,000	3.1	264.9	630	0.07	10.05	26	0.00	0.25	
03/25/09	6,231.3	903,200	5,728	0.44	902,989		1.3	266.2		0.03	10.08		0.00	0.25	
05/11/09	6,238.2	906,017	2,817	0.04	905,806		0.6	266.9		0.01	10.09		0.00	0.25	
05/13/09	6,278.0	912,700	6,683	2.32	912,489		1.5	268.4		0.04	10.13		0.00	0.25	
05/14/09	6,291.9	915,463	2,763	1.92	915,252	48,000	1.1	269.5	800	0.02	10.15	41	0.00	0.25	
05/19/09	6,369.3	932,195	16,732	2.32	931,984		6.7	276.2		0.11	10.26		0.01	0.26	
05/21/09	6,415.5	940,780	8,585	2.98	940,569		3.4	279.6		0.06	10.32		0.00	0.26	
05/27/09	6,562.6	964,884	24,104	2.79	964,673		9.7	289.3		0.16	10.48		0.01	0.27	
05/28/09	6,586.1	969,300	4,416	3.07	969,089		1.8	291.0		0.03	10.51		0.00	0.27	
06/01/09	6,677.7	987,100	17,800	3.09	986,889		4.3	295.3		0.10	10.61		0.00	0.27	
06/03/09	6,725.3	989,952	2,852	0.99	989,741		0.7	296.0		0.02	10.63		0.00	0.27	
06/05/09	6,777.7	994,455	4,503	1.56	994,244	29,000	1.1	297.1	690	0.03	10.65	32	0.00	0.28	
06/08/09	6,847.9	1,000,000	5,545	1.28	999,789		1.3	298.5		0.03	10.68		0.00	0.28	
06/19/09	7,022.7	1,029,670	29,670	1.87	1,029,459		7.2	305.6		0.17	10.86		0.01	0.29	
06/25/09	7,026.5	1,031,225	1,555	0.18	1,031,014		0.4	306.0		0.01	10.86		0.00	0.29	
07/02/09	7,105.7	1,047,007	15,782	1.57	1,046,796		3.6	309.6		0.09	10.96		0.00	0.29	
07/08/09	7,123.4	1,049,143	2,136	0.25	1,048,932	27,000	0.5	310.1	710	0.01	10.97	35	0.00	0.29	
07/15/09	7,161.0	1,052,800	3,657	0.36	1,052,589		0.8	310.9		0.02	10.99		0.00	0.29	
07/22/09	7,327.9	1,066,800	14,000	1.39	1,066,589		3.2	314.0		0.08	11.07		0.00	0.30	
Total Extracted Volume (gal):					1,066,589	Pounds Removed:		314.0	Pounds Removed:		11.07	Pounds Removed:		0.30	
Average Operational Flow Rate (gpm):					1.01	Gallons Removed:		51.6	Gallons Removed:		1.51	Gallons Removed:		0.05	

TABLE 2: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
Operational Data
Former Chevron Station # 9-0260
21995 Foothill Boulevard, Hayward, California

Date (mm/dd/yy)						TPHg			Benzene			MTBE			Notes
	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	

Notes:

1. = Hour Meter installed beginning at zero.
2. = System shutdown for carbon change out.
3. = BISCO unit was reset to zero hours following replacement of PLC
4. = System restarted for collecting compliance vapor samples. Upon collection of vapor samples, system was turned off pending carbon changeout.
5. = Approximately 1,000 gallons of water pumped on 8/1/08 was not discharged to the sewer. Water was hauled offsite by IWM.
6. = System started for full time operation.

Formulas and Assumptions:

1. Mass Removed During the Period = Volume of Water Extracted (in gallons) x Concentration (ug/L) x (g/10⁶ug) x (pound/453.6g) x (3.785 L/gal)
When concentration of individual parameters were not detected, the concentration was assumed to half the detection limit for calculation purposes.
2. Gallons Removed = Mass (pounds) x (Density)⁻¹ (cc/g) x 453.6 (g/pound) x (L/1000 cc) x (gal/3.785 L)
Density: = 0.73 g/cc
= 0.88 g/cc
= 0.74 g/cc
3. Average Flow Rate = (Gallons of Extracted Water (gal) / Number of Operational Days) * (60 min/hr) * (24 hours/day)

Abbreviations:

TPHg = total petroleum hydrocarbons quantified as gasoline (by EPA Method 8015B)

BTEX = benzene, toluene, ethylbenzene, and total xylenes (by EPA Method 8020)

MTBE = methyl tert-butyl ether (by EPA Method 8260B)

L = liter
µg/L = micrograms per liter
gal = gallon
gpm = gallon per minute
lbs = pounds
mg = milligrams per liter
g = grams
Blank Cell = indicates not sampled

TABLE 3: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

Effluent Compliance Results
Former Chevron Station # 9-0260
21995 Foothill Boulevard, Hayward, California

Sampling Date (mm/dd/yy)	Concentrations						pH ⁴	Notes
	TPHg ¹ (µg/L)	Benzene ² (µg/L)	Toluene ² (µg/L)	Ethylbenzene ² (µg/L)	Xylenes ² (µg/L)	MTBE ³ (µg/L)		
06/25/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.17	
07/17/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.1	
07/26/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
08/17/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.2	
08/22/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3	
08/29/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.89	
09/26/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.5	
10/04/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.92	
10/08/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.36	
10/19/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3	
10/25/07	NS	NS	NS	NS	NS	NS	7.3	
12/05/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
12/06/07	NS	NS	NS	NS	NS	NS	7.5	
12/18/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8	
01/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.03	
01/18/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8	
02/07/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.65	
02/14/08	NS	NS	NS	NS	NS	NS	6.72	
03/05/08	< 50	< 0.5	0.7	< 0.5	< 1.5	< 0.5	8.3	5
03/13/08	120	2.2	17	1.2	23	< 0.5	NA	6
08/01/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.25	7
08/08/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.01	
09/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.41	
09/17/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.47	
10/01/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.73	
10/16/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
11/04/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.42	
11/21/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.69	
12/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.32	
12/18/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.70	
01/06/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	8.65	
01/21/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
02/03/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.78	
02/20/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.97	
03/03/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.59	
03/16/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS	
05/11/09	NA	NA	NA	NA	NA	NA	7.43	
05/14/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS	
06/05/09	59	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS	
06/08/09	NA	NA	NA	NA	NA	NA	7.45	
07/08/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.20	
Regulatory Limits (µg/L)	15,000	ND	ND	ND	ND	No Limit	5.5<L<12.5	

Abbreviations & Notes:

1. = analyzed by EPA Method 8015B
2. = analyzed by EPA Method 8020
3. = analyzed by EPA Method 8260B
4. = pH readings were obtained onsite by utilizing a portable multimeter
5. = Effluent Permit Discharge Limitation of non detect was exceeded. The system was shut down the day the results were obtained (3/13/08), confirmation samples were collected and the OLSD was notified pursuant to the discharge permit. No violation was issued by the OLSD.
6. = Confirmation samples results collected prior to system shut down pursuant to results of samples collected on 3/5/08. System was shut down pending results and a carbon change out/installation of additional carbon vessel were arranged in series. The results were forwarded to the OLSD pursuant to permit requirements and no associated fines were assessed due to the analytical results.
7. = Groundwater was pumped into a vacuum truck. No water was discharged to the sewer pending receipt of analytical results.

µg/L = micrograms per liter

NA = not analyzed

ND = non detect

< = not detected at or above laboratory reporting limit indicated

TPHg = total petroleum hydrocarbons quantified as gasoline

BTEX = benzene, toluene, ethylbenzene, and total xylenes

MTBE = methyl tertiary butyl ether

OLSD = Oro Loma Sanitation District

ATTACHMENT A

LABORATORY ANALYTICAL REPORT

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

July 17, 2009

SAMPLE GROUP

The sample group for this submittal is 1152893. Samples arrived at the laboratory on Friday, July 10, 2009. The PO# for this group is 0015040460 and the release number is COSTA.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
INF-W-090708 Grab Water	5720192
MID-1-W-090708 Grab Water	5720193
MID-2-W-090708 Grab Water	5720194
EFF-W-090708 Grab Water	5720195

METHODOLOGY

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

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	Chevron	Attn: CRA EDD
ELECTRONIC COPY TO	CRA	Attn: Jeff Schrupp
ELECTRONIC COPY TO	Chevron	Attn: C Sanders

Questions? Contact your Client Services Representative
Angela M Miller at (717) 656-2300

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Lancaster Laboratories Sample No. WW 5720192

Group No. 1152893
CA

INF-W-090708 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 INF

Collected: 07/08/2009 07:45 by MJ

Account Number: 10880

Submitted: 07/10/2009 08:50

ChevronTexaco

Reported: 07/17/2009 at 15:19

6001 Bollinger Canyon Rd L4310

Discard: 08/17/2009

San Ramon CA 94583

0260I

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	GC/MS Volatiles		ug/l	ug/l	ug/l	
02309	Methyl Tertiary Butyl Ether	1634-04-4	35	5	10	10
SW-846 8015B	GC Volatiles		ug/l	ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	27,000	500	1,000	10
SW-846 8020A	GC Volatiles		ug/l	ug/l	ug/l	
05879	Benzene	71-43-2	710	5.0	20	10
05879	Ethylbenzene	100-41-4	720	5.0	20	10
05879	Toluene	108-88-3	3,800	5.0	20	10
05879	Total Xylenes	1330-20-7	3,800	15	50	10

General Sample Comments

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

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
02309	MTBE by GC/MS (water)	SW-846 8260B	1	D091953AA	07/15/2009 00:38	Michael A Ziegler	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D091953AA	07/15/2009 00:38	Michael A Ziegler	10
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09193A54A	07/13/2009 06:34	Katrina T Longenecker	10
05879	BTEX	SW-846 8020A	1	09193A54A	07/13/2009 06:34	Katrina T Longenecker	10
01146	GC VOA Water Prep	SW-846 5030B	1	09193A54A	07/13/2009 06:34	Katrina T Longenecker	10

Lancaster Laboratories Sample No. WW 5720193

Group No. 1152893
CA

MID-1-W-090708 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 MID-1

Collected: 07/08/2009 07:40 by MJ

Account Number: 10880

Submitted: 07/10/2009 08:50

ChevronTexaco

Reported: 07/17/2009 at 15:19

6001 Bollinger Canyon Rd L4310

Discard: 08/17/2009

San Ramon CA 94583

02601

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	GC/MS Volatiles		ug/l	ug/l	ug/l	
02309	Methyl Tertiary Butyl Ether	1634-04-4	2	0.5	1	1
SW-846 8015B	GC Volatiles		ug/l	ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	52	50	100	1
SW-846 8020A	GC Volatiles		ug/l	ug/l	ug/l	
05879	Benzene	71-43-2	N.D.	0.5	2.0	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	2.0	1
05879	Toluene	108-88-3	N.D.	0.5	2.0	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	5.0	1

General Sample Comments

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

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
02309	MTBE by GC/MS (water)	SW-846 8260B	1	D091953AA	07/15/2009 01:28	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D091953AA	07/15/2009 01:28	Michael A Ziegler	1
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09193A54A	07/13/2009 04:36	Katrina T Longenecker	1
05879	BTEX	SW-846 8020A	1	09193A54A	07/13/2009 04:36	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09193A54A	07/13/2009 04:36	Katrina T Longenecker	1

Lancaster Laboratories Sample No. WW 5720194

Group No. 1152893
CA

MID-2-W-090708 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 MID-2

Collected: 07/08/2009 07:35 by MJ

Account Number: 10880

Submitted: 07/10/2009 08:50

ChevronTexaco

Reported: 07/17/2009 at 15:19

6001 Bollinger Canyon Rd L4310

Discard: 08/17/2009

San Ramon CA 94583

02602

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	GC/MS Volatiles		ug/l	ug/l	ug/l	
02309	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
SW-846 8015B	GC Volatiles		ug/l	ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
SW-846 8020A	GC Volatiles		ug/l	ug/l	ug/l	
05879	Benzene	71-43-2	N.D.	0.5	2.0	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	2.0	1
05879	Toluene	108-88-3	N.D.	0.5	2.0	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	5.0	1

General Sample Comments

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

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
02309	MTBE by GC/MS (water)	SW-846 8260B	1	D091953AA	07/15/2009 01:53	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D091953AA	07/15/2009 01:53	Michael A Ziegler	1
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09193A54A	07/13/2009 05:00	Katrina T Longenecker	1
05879	BTEX	SW-846 8020A	1	09193A54A	07/13/2009 05:00	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09193A54A	07/13/2009 05:00	Katrina T Longenecker	1

*—This limit was used in the evaluation of the final result

Lancaster Laboratories Sample No. WW 5720195

Group No. 1152893
CA

EFF-W-090708 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 EFF

Collected: 07/08/2009 07:30 by MJ

Account Number: 10880

Submitted: 07/10/2009 08:50

ChevronTexaco

Reported: 07/17/2009 at 15:19

6001 Bollinger Canyon Rd L4310

Discard: 08/17/2009

San Ramon CA 94583

0260E

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	GC/MS Volatiles		ug/l	ug/l	ug/l	
02309	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
SW-846 8015B	GC Volatiles		ug/l	ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
SW-846 8020A	GC Volatiles		ug/l	ug/l	ug/l	
05879	Benzene	71-43-2	N.D.	0.5	2.0	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	2.0	1
05879	Toluene	108-88-3	N.D.	0.5	2.0	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	5.0	1

General Sample Comments

State of California Lab Certification No. 2116

Trip blank vials were not received by the laboratory for this sample group.

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
02309	MTBE by GC/MS (water)	SW-846 8260B	1	D091953AA	07/15/2009 02:18	Michael A Ziegler	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D091953AA	07/15/2009 02:18	Michael A Ziegler	1
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09193A54A	07/13/2009 05:23	Katrina T Longenecker	1
05879	BTEX	SW-846 8020A	1	09193A54A	07/13/2009 05:23	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09193A54A	07/13/2009 05:23	Katrina T Longenecker	1

Quality Control Summary

Client Name: ChevronTexaco
Reported: 07/17/09 at 03:19 PM

Group Number: 1152893

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: D091953AA	Sample number(s): 5720192-5720195								
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	97		78-117		
Batch number: 09193A54A	Sample number(s): 5720192-5720195								
Benzene	N.D.	0.5	2.0	ug/l	115	115	80-120	0	30
Ethylbenzene	N.D.	0.5	2.0	ug/l	115	110	80-120	4	30
Toluene	N.D.	0.5	2.0	ug/l	115	110	80-120	4	30
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	100	100	75-135	0	30
Total Xylenes	N.D.	1.5	5.0	ug/l	115	113	80-120	1	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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: D091953AA	Sample number(s): 5720192-5720195 UNSPK: P720165								
Methyl Tertiary Butyl Ether	111	114	72-126	1	30				
Batch number: 09193A54A	Sample number(s): 5720192-5720195 UNSPK: 5720193, 5720194								
Benzene	110		70-152						
Ethylbenzene	115		75-133						
Toluene	110		78-129						
TPH-GRO N. CA water C6-C12	100		63-154						
Total Xylenes	113		67-155						

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: MTBE by GC/MS (water)

Batch number: D091953AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5720192	109	102	102	106
5720193	110	103	101	100
5720194	111	103	102	100
5720195	111	105	102	100
Blank	111	104	102	102

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(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: ChevronTexaco
Reported: 07/17/09 at 03:19 PM

Group Number: 1152893

Surrogate Quality Control

LCS	110	103	102	106
MS	111	104	103	107
MSD	111	105	101	106
Limits:	80-116	77-113	80-113	78-113

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

Batch number: 09193A54A

	Trifluorotoluene-F	Trifluorotoluene-P
5720192	104	111
5720193	115	110
5720194	114	109
5720195	102	110
Blank	103	111
LCS	115	110
LCSD	114	109
MS	113	106
Limits:	63-135	69-129

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(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.

Chevron California Region Analysis Request/Chain of Custody



070909-04

For Lancaster Laboratories use only

Acct. #: 10880

Group #: 1152893

Sample #:

5720192-95

Facility #: 9-0260 M10

Site Address: 21995 Foothill Blvd, Hayward, California

Chevron PM: Aaron Costa Lead Consultant: Conestoga-Rovers & Associates

Consultant/Office: CRA 5900 Hollis St., Ste A, Emeryville, CA 94608

Consultant Prj. Mgr.: Charlotte Evans

Consultant Phone #: 510-420-3351

Fax #: 510-420-9170

Sampler:

Mark Johnson

Service Order #:

☐ Non SAR:

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX by 8020	TPH by 8015	Cyanide (EPA 335.4)	pH (EPA 150.1)	13 Priority Pollutant Metals (EPA 200)	(As, Ar, Ba, Ca, Cd, Cu, Pb, Hg, Ni, Se, Si, Th, Zn)	Total Phenols (EPA 420.1)	MTBE by 8260B
INF	W		NA	09/06/19	7:45	No	X		5	X	X						X
MID-1	W		NA	09/06/19	7:40	No	X		5	X	X						X
MID-2	W		NA	09/06/19	7:35	No	X		5	X	X						X
EFF	W		NA	09/06/19	7:30	No	X		5	X	X						X
				09/07/19													
				per Jeff Schrupp													
				AM 7/13/09													

Analyses Requested

Preservation Codes

SCR#:

Preservative Codes

H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

☐ Must meet lowest detection limits possible for 8260 compounds

Comments / Remarks

Email results to:

jschrupp@craworld.com and
 cevans@craworld.com

csanders@craworld.com

email edf to:

chevonedf@craworld.com

VOAs with HCl

VOAs with HCl

VOAs with HCl

VOAs with HCl

Samples collected

7/13/09 AM

Emeryville

Turnaround Time Requested (TAT) (please circle)

24 hour

72 hour

48 hour

STD

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

Relinquished by:

Mark Johnson

Date

6/19/09

Time

08:20

Received by:

Sickam Location

Date

7/13/09

Time

11:55

Relinquished by:

Jeff Schrupp

Date

7/19/09

Time

11:55

Received by:

Jeff Schrupp

Date

7/13/09

Time

11:55

Relinquished by:

Jeff Schrupp

Date

7/13/09

Time

11:10

Received by:

Jeff Schrupp

Date

7/13/09

Time

07:50

Relinquished by Commercial Carrier:

UPS

FedEx

Other

Temperature Upon Receipt 19.30 °C

Custody Seals Intact?

Yes

No

Lancaster Laboratories

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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