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Alameda County
Environmental Health

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Project Manager
Marketing Business Unit

**Chevron Environmental
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July 6, 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,

A handwritten signature in black ink, appearing to read "Aaron Costa".

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

July 6, 2009

Reference No. 311915

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

Re: Monthly Discharge Report - June 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 - JUNE 2009

REPORTING PERIOD ACTIVITIES

- CRA conducted routine operation and maintenance on June 1, June 3, June 5, June 8, June 19, and June 25, 2009.
- CRA collected effluent compliance samples on June 5, 2009 and an effluent pH reading on June 8, 2009.
- 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.



**CONESTOGA-ROVERS
& ASSOCIATES**

July 6, 2009

Reference No. 311915

REPORTING PERIOD DATA SUMMARY (5/28/09 TO 6/25/09)

Compliance Sampling Frequency	<u>Monthly</u>
Initial Totalizer Reading	<u>969,300 gallons</u>
Final Totalizer Reading	<u>1,031,225 gallons</u>
Discharged Volume	<u>61,925 gallons</u>
Average Discharge Flow Rate	<u>1.54 gallons per minute</u>
Maximum Discharge Flow Rate	<u>3.09 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) 751-4118.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Casey Sanders

JS/doh/13
Encl.

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 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	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	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	0.09	8.77	26.0	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	0.11	8.97	24.0	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	0.10	9.25	22.0	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	0.09	9.43	25.0	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	0.06	9.59	21.0	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	0.04	9.75	200.0	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	0.08	9.88	12.0	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	0.07	10.05	26.0	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	0.02	10.15	41.0	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	0.03	10.65	32.0	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	
Total Extracted Volume (gal):					1,031,014	Pounds Removed:		306.0	Pounds Removed:		10.86	Pounds Removed:		0.29	
Average Operational Flow Rate (gpm):					0.98	Gallons Removed:		50.2	Gallons Removed:		1.48	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)	Hour Meter	Flow Meter Reading	Period Volume	Period Operational Flow Rate	Cumulative Volume Discharged	TPHg Concentration	Period Removal ⁵	Cumulative Removal	Benzene Concentration	Period Removal ⁵	Cumulative Removal	MTBE Concentration	Period Removal ⁵	Cumulative Removal	Notes
	(hours)	(gal)	(gal)	(gpm)	(gal)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)	
Notes:															
Abbreviations:															
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. System															
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/10 ⁶ ug) 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)															
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 ³	Notes
	TPHg ¹ (µg/L)	Benzene ² (µg/L)	Toluene ² (µg/L)	Ethylbenzene ² (µg/L)	Xylenes ² (µg/L)	MTBE ⁴ (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	
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. = pH readings were obtained onsite by utilizing a portable multimeter
4. = analyzed by EPA Method 8260B
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

June 17, 2009

SAMPLE GROUP

The sample group for this submittal is 1148469. Samples arrived at the laboratory on Wednesday, June 10, 2009. The PO# for this group is 0015040460 and the release number is COSTA.

Client Description

INF-W-090605 Grab Water
MID-1-W-090605 Grab Water
MID-2-W-090605 Grab Water
EFF-W-090605 Grab Water

Lancaster Labs Number

5695427
5695428
5695429
5695430

METHODOLOGY

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

ELECTRONIC Chevron
COPY TO
ELECTRONIC CRA
COPY TO
ELECTRONIC CRA
COPY TO
ELECTRONIC Chevron
COPY TO

Attn: CRA EDD

Attn: Jeff Schrupp

Attn: Charlotte Evans

Attn: C Sanders

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

Respectfully Submitted,



Martha L. Seidel
Senior Chemist



Analysis Report

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Lancaster Laboratories Sample No. WW 5695427

Group No. 1148469
CA

INF-W-090605 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 INF

Collected: 06/05/2009 09:25 by MJ

Account Number: 10880

Submitted: 06/10/2009 09:25

ChevronTexaco

Reported: 06/17/2009 at 11:47

6001 Bollinger Canyon Rd L4310

Discard: 07/18/2009

San Ramon CA 94583

0260I

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	
02309	Methyl Tertiary Butyl Ether	1634-04-4	32	10	20
SW-846 8015B	GC Volatiles		ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	29,000	1,000	20
SW-846 8020A	GC Volatiles		ug/l	ug/l	
05879	Benzene	71-43-2	690	10	20
05879	Ethylbenzene	100-41-4	700	10	20
05879	Toluene	108-88-3	4,700	10	20
05879	Total Xylenes	1330-20-7	4,100	30	20

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 Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02309	MTBE by GC/MS (water)	SW-846 8260B	1	F091641AA	06/13/2009 23:00	Anita M Dale	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F091641AA	06/13/2009 23:00	Anita M Dale	20
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09163A54A	06/15/2009 04:48	Katrina T Longenecker	20
05879	BTEX	SW-846 8020A	1	09163A54A	06/15/2009 04:48	Katrina T Longenecker	20
01146	GC VOA Water Prep	SW-846 5030B	2	09163A54A	06/15/2009 04:48	Katrina T Longenecker	20



Analysis Report

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Lancaster Laboratories Sample No. WW 5695428

Group No. 1148469
CA

MID-1-W-090605 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 MID-1

Collected: 06/05/2009 09:20 by MJ

Account Number: 10880

Submitted: 06/10/2009 09:25

Reported: 06/17/2009 at 11:47

Discard: 07/18/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

260M1

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	
02309	Methyl Tertiary Butyl Ether	1634-04-4	0.8	0.5	1
SW-846 8015B	GC Volatiles		ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	73	50	1
SW-846 8020A	GC Volatiles		ug/l	ug/l	
05879	Benzene	71-43-2	N.D.	0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	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 Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02309	MTBE by GC/MS (water)	SW-846 8260B	1	F091641AA	06/13/2009 23:43	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F091641AA	06/13/2009 23:43	Anita M Dale	1
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09163A54A	06/15/2009 05:12	Katrina T Longenecker	1
05879	BTEX	SW-846 8020A	1	09163A54A	06/15/2009 05:12	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09163A54A	06/15/2009 05:12	Katrina T Longenecker	1



Analysis Report

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Lancaster Laboratories Sample No. WW 5695429

Group No. 1148469
CA

MID-2-W-090605 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 MID-2

Collected: 06/05/2009 09:15 by MJ

Account Number: 10880

Submitted: 06/10/2009 09:25

Reported: 06/17/2009 at 11:47

Discard: 07/18/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

260M2

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	
02309	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
SW-846 8015B	GC Volatiles		ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
SW-846 8020A	GC Volatiles		ug/l	ug/l	
05879	Benzene	71-43-2	N.D.	0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	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 Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02309	MTBE by GC/MS (water)	SW-846 8260B	1	F091641AA	06/14/2009 00:04	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F091641AA	06/14/2009 00:04	Anita M Dale	1
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09163A54A	06/15/2009 05:35	Katrina T Longenecker	1
05879	BTEX	SW-846 8020A	1	09163A54A	06/15/2009 05:35	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09163A54A	06/15/2009 05:35	Katrina T Longenecker	1



Analysis Report

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Lancaster Laboratories Sample No. WW 5695430

Group No. 1148469
CA

EFF-W-090605 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 EFF

Collected: 06/05/2009 09:10 by MJ

Account Number: 10880

Submitted: 06/10/2009 09:25

Reported: 06/17/2009 at 11:47

Discard: 07/18/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

0260E

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	
02309	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1
SW-846 8015B	GC Volatiles		ug/l	ug/l	
01729	TPH-GRO N. CA water C6-C12	n.a.	59	50	1
SW-846 8020A	GC Volatiles		ug/l	ug/l	
05879	Benzene	71-43-2	N.D.	0.5	1
05879	Ethylbenzene	100-41-4	N.D.	0.5	1
05879	Toluene	108-88-3	N.D.	0.5	1
05879	Total Xylenes	1330-20-7	N.D.	1.5	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 Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
02309	MTBE by GC/MS (water)	SW-846 8260B	1	F091641AA	06/14/2009 00:26	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F091641AA	06/14/2009 00:26	Anita M Dale	1
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	09163A54A	06/15/2009 15:11	Katrina T Longenecker	1
05879	BTEX	SW-846 8020A	1	09163A54A	06/15/2009 15:11	Katrina T Longenecker	1
01146	GC VOA Water Prep	SW-846 5030B	1	09163A54A	06/15/2009 15:11	Katrina T Longenecker	1

Quality Control Summary

Client Name: ChevronTexaco
Reported: 06/17/09 at 11:47 AM

Group Number: 1148469

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>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: F091641AA	Sample number(s): 5695427-5695430							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		78-117		
Batch number: 09163A54A	Sample number(s): 5695427-5695430							
Benzene	N.D.	0.5	ug/l	105	100	80-120	5	30
Ethylbenzene	N.D.	0.5	ug/l	100	95	80-120	5	30
Toluene	N.D.	0.5	ug/l	105	100	80-120	5	30
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	118	75-135	8	30
Total Xylenes	N.D.	1.5	ug/l	105	100	80-120	5	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: F091641AA	Sample number(s): 5695427-5695430 UNSPK: P695622								
Methyl Tertiary Butyl Ether	96	97	72-126	1	30				
Batch number: 09163A54A	Sample number(s): 5695427-5695430 UNSPK: P694465, P694466								
Benzene	110		70-152						
Ethylbenzene	110		75-133						
Toluene	110		78-129						
TPH-GRO N. CA water C6-C12	136		63-154						
Total Xylenes	108		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: F091641AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5695427	93	87	93	110
5695428	93	86	92	103
5695429	94	86	91	101
5695430	93	86	90	99
Blank	93	87	93	104

*- 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: ChevronTexaco
Reported: 06/17/09 at 11:47 AM

Group Number: 1148469

Surrogate Quality Control

LCS	93	87	90	107
MS	92	87	91	109
MSD	91	87	92	109
Limits:	80-116	77-113	80-113	78-113

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

Batch number: 09163A54A

	Trifluorotoluene-F	Trifluorotoluene-P
5695427	107	107
5695428	121	106
5695429	120	105
5695430	114	105
Blank	108	108
LCS	126	107
LCSD	124	107
MS	110	111
Limits:	63-135	69-129

*- 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**

060909-01

For Lancaster Laboratories use only

Acct. #: 10880 Group #: 1148469 Sample #: 5695427-30

For Lancaster Laboratories use only

Group # 1148469 Sample #: 5695427-30

[illegible]

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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