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Alameda County
Environmental Health

Aaron Costa
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-2961
Fax (925) 543-2324
acosta@chevron.com

March 10, 2009

Mr. Jeff Carson
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. Carson:

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 Fax: (510) 420-9170
<http://www.craworld.com>

March 5, 2009

Reference No. 311915

Mr. Jeff Carson
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

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

Dear Mr. Carson:

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 conditions specified in the wastewater discharge permit.

SELF-MONITORING REPORT – FEBRUARY 2009

REPORTING PERIOD ACTIVITIES

- CRA conducted routine operation and maintenance on February 3, February 12, February 18, February 20, and February 25, 2009.
- CRA conducted monthly compliance sampling on February 3 and February 20, 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.

Equal
Employment Opportunity
Employer



**CONESTOGA-ROVERS
& ASSOCIATES**

March 5, 2009

Reference No. .311915

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REPORTING PERIOD DATA SUMMARY (1/29/09 TO 02/25/09)

Compliance Sampling Frequency	<u>Monthly</u>
Initial Totalizer Reading	<u>764,570 gallons</u>
Final Totalizer Reading	<u>822,654 gallons</u>
Discharged Volume	<u>58,084 gallons</u>
Average Discharge Flow Rate	<u>1.49 gallons per minute</u>
Maximum Discharge Flow Rate	<u>2.80 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

CS/doh/8

Encl.

Table 1	Influent and Effluent Fuel Concentrations
Table 2	System Operational Data
Table 3	Effluent Compliance Results
Attachment A	Laboratory Analytical Reports

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

	Influent						Midfluent 1						Midfluent 2						Effluent							
Sample Date (mm/dd/yy)	TPHg Conc. (µg/L)	Benzene ² Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE ⁴ Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene ² Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE ⁴ Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene ² Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE ⁴ Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene ⁴ Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE ⁴ Conc. (µg/L)	pH ³	
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	NS
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
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
TPH^g = total petroleum hydrocarbons quantified as gasoline (by EPA Method 8015B)
MtBE = methyl tert-butyl ether (by EPA Method 8260B)
L = liter
µg/L = micrograms per liter

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. = 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	1.02	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	
Total Extracted Volume (gal):					822,443	Pounds Removed:		255.7	Pounds Removed:		9.80	Pounds Removed:		0.24	
Average Operational Flow Rate (gpm):					0.93	Gallons Removed:		42.0	Gallons Removed:		1.33	Gallons Removed:		0.04	

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. 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/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 #NAME?
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	
Regulatory Limits (µg/L)	15,000	ND	ND	ND	ND	No Limit	5.5<I<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 OLS D was notified pursuant to the discharge permit. No violation was issued by the OLS D
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 OLS D 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

OLS D = Oro Loma Sanitation District

ATTACHMENT A
LABORATORY ANALYTICAL REPORTS

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**SAMPLE GROUP**

The sample group for this submittal is 1130684. Samples arrived at the laboratory on Wednesday, February 04, 2009. The PO# for this group is 0015025028 and the release number is COSTA.

Client DescriptionINF-W-090203 Grab Water
MID-1-W-090203 Grab Water
MID-2-W-090203 Grab Water
EFF-W-090203 Grab Water**Lancaster Labs Number**5591725
5591726
5591727
5591728ELECTRONIC CRA
COPY TO
ELECTRONIC Chevron
COPY TO
ELECTRONIC CRA
COPY TO
ELECTRONIC Chevron
COPY TO

Attn: Charlotte Evans

Attn: CRA EDD

Attn: Jeff Schrupp

Attn: C Sanders

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

Respectfully Submitted,



Robin C. Runkle
Senior Specialist



Analysis Report

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Lancaster Laboratories Sample No. WW5591725

Group No. 1130684

INF-W-090203 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 INF

Collected: 02/03/2009 11:15 by MJ

Account Number: 10880

Submitted: 02/04/2009 09:30

Reported: 02/09/2009 at 16:41

Discard: 03/12/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

-260I

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Units	Dilution Factor
				Detection Limit		
01729	TPH-GRO N. CA water C6-C12					
01730	TPH-GRO N. CA water C6-C12	n.a.	17,000	500	ug/l	10
05879	BTEX					
02161	Benzene	71-43-2	530	5.0	ug/l	10
02164	Toluene	108-88-3	3,200	5.0	ug/l	10
02166	Ethylbenzene	100-41-4	350	5.0	ug/l	10
02171	Total Xylenes	1330-20-7	2,800	15	ug/l	10
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	21	3	ug/l	5

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	02/05/2009 15:59	Carrie E Youtzy	10
05879	BTEX	SW-846 8020A	1	02/05/2009 15:59	K. Robert Caulfeild-James	10
02309	MTBE by GC/MS (water)	SW-846 8260B	1	02/06/2009 01:29	Michael A Ziegler	5
01146	GC VOA Water Prep	SW-846 5030B	1	02/05/2009 15:59	K. Robert Caulfeild-James	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/06/2009 01:29	Michael A Ziegler	5



Analysis Report

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Lancaster Laboratories Sample No. WW5591726

Group No. 1130684

MID-1-W-090203 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 MID-1

Collected: 02/03/2009 11:10 by MJ

Account Number: 10880

Submitted: 02/04/2009 09:30

Reported: 02/09/2009 at 16:41

Discard: 03/12/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

260M1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Units	Dilution Factor
				Detection Limit		
01729	TPH-GRO N. CA water C6-C12					
01730	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	4	0.5	ug/l	1

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	02/05/2009 14:49	Carrie E Youtzy	1
05879	BTEX	SW-846 8020A	1	02/05/2009 14:49	K. Robert Caulfeild-James	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	02/06/2009 01:53	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/05/2009 14:49	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/06/2009 01:53	Michael A Ziegler	1



Analysis Report

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Lancaster Laboratories Sample No. WW5591727

Group No. 1130684

MID-2-W-090203 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 MID-2

Collected: 02/03/2009 11:05 by MJ

Account Number: 10880

Submitted: 02/04/2009 09:30

Reported: 02/09/2009 at 16:41

Discard: 03/12/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

260M2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Units	Dilution Factor
				Detection Limit		
01729	TPH-GRO N. CA water C6-C12					
01730	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	02/05/2009 15:13	Carrie E Youtzy	1
05879	BTEX	SW-846 8020A	1	02/05/2009 15:13	K. Robert Caulfeild-James	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	02/06/2009 02:18	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/05/2009 15:13	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/06/2009 02:18	Michael A Ziegler	1



Analysis Report

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Lancaster Laboratories Sample No. WW5591728

Group No. 1130684

EFF-W-090203 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 EFF

Collected: 02/03/2009 11:00 by MJ

Account Number: 10880

Submitted: 02/04/2009 09:30

Reported: 02/09/2009 at 16:41

Discard: 03/12/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

-260E

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Units	Dilution Factor
				Detection Limit		
01729	TPH-GRO N. CA water C6-C12					
01730	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	02/05/2009 15:36	Carrie E Youtzy	1
05879	BTEX	SW-846 8020A	1	02/05/2009 15:36	K. Robert Caulfeild-James	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	02/06/2009 02:42	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/05/2009 15:36	K. Robert Caulfeild-James	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/06/2009 02:42	Michael A Ziegler	1

Quality Control Summary

Client Name: ChevronTexaco
Reported: 02/09/09 at 04:41 PM

Group Number: 1130684

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: 09036A54A	Sample number(s): 5591725-5591728							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	110	118	75-135	8	30
Benzene	N.D.	0.5	ug/l	101	93	80-120	8	30
Toluene	N.D.	0.5	ug/l	105	97	80-120	8	30
Ethylbenzene	N.D.	0.5	ug/l	105	97	80-120	8	30
Total Xylenes	N.D.	1.5	ug/l	108	100	80-120	7	30
Batch number: D090364AA	Sample number(s): 5591725-5591728							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	101		73-119		

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: 09036A54A	Sample number(s): 5591725-5591728 UNSPK: P589411, 5591727								
TPH-GRO N. CA water C6-C12	124		63-154						
Benzene	106		70-152						
Toluene	111		78-129						
Ethylbenzene	111		75-133						
Total Xylenes	112		67-155						
Batch number: D090364AA	Sample number(s): 5591725-5591728 UNSPK: P591789								
Methyl Tertiary Butyl Ether	99	100	69-127	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09036A54A

	Trifluorotoluene-F	Trifluorotoluene-P
5591725	93	108
5591726	99	106
5591727	95	106
5591728	98	106
Blank	97	106

*- 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: 02/09/09 at 04:41 PM

Group Number: 1130684

Surrogate Quality Control

LCS	99	106
LCSD	100	106
MS	98	107

Limits:	63-135	69-129
---------	--------	--------

Analysis Name: MTBE by GC/MS (water)
Batch number: D090364AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5591725	84	83	87	101
5591726	85	84	88	99
5591727	83	84	87	97
5591728	87	85	90	102
Blank	86	84	89	100
LCS	86	86	89	101
MS	88	87	91	104
MSD	88	87	89	103
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

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For Lancaster Laboratories use only
Acct. #: 10880 Group #: 1130684 Sample #: 5591725-28

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

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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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

SAMPLE GROUP

The sample group for this submittal is 1133375. Samples arrived at the laboratory on Tuesday, February 24, 2009. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description

INF-W-090220 Grab Water
MID-1-W-090220 Grab Water
MID-2-W-090220 Grab Water
EFF-W-090220 Grab Water

Lancaster Labs Number

5606574
5606575
5606576
5606577

ELECTRONIC CRA

COPY TO

ELECTRONIC Chevron

COPY TO

ELECTRONIC Chevron

COPY TO

ELECTRONIC CRA

COPY TO

Attn: Charlotte Evans

Attn: CRA EDD

Attn: C Sanders

Attn: Jeff Schrupp

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. WW5606574

Group No. 1133375

INF-W-090220 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 INF

Collected: 02/20/2009 10:30 by MJ

Account Number: 10880

Submitted: 02/24/2009 09:00

Reported: 03/03/2009 at 10:36

Discard: 04/03/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

HATIN

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Units	Dilution Factor
				Detection Limit		
01729	TPH-GRO N. CA water C6-C12					
01730	TPH-GRO N. CA water C6-C12	n.a.	35,000	1,300	ug/l	25
05879	BTEX					
02161	Benzene	71-43-2	660	13	ug/l	25
02164	Toluene	108-88-3	5,200	13	ug/l	25
02166	Ethylbenzene	100-41-4	670	13	ug/l	25
02171	Total Xylenes	1330-20-7	4,800	38	ug/l	25
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	200	5	ug/l	10

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	02/27/2009 20:00	Carrie E Youtzy	25
05879	BTEX	SW-846 8020A	1	02/27/2009 20:00	Carrie E Youtzy	25
02309	MTBE by GC/MS (water)	SW-846 8260B	1	02/27/2009 02:33	Kelly E Brickley	10
01146	GC VOA Water Prep	SW-846 5030B	4	02/27/2009 20:00	Carrie E Youtzy	25
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/27/2009 02:33	Kelly E Brickley	10



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW5606575

Group No. 1133375

MID-1-W-090220 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 MID-1

Collected: 02/20/2009 10:25 by MJ

Account Number: 10880

Submitted: 02/24/2009 09:00

Reported: 03/03/2009 at 10:36

Discard: 04/03/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

HATM1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Units	Dilution Factor
				Detection Limit		
01729	TPH-GRO N. CA water C6-C12					
01730	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	5	0.5	ug/l	1

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	02/27/2009 17:11	Carrie E Youtzy	1
05879	BTEX	SW-846 8020A	1	02/27/2009 17:11	Carrie E Youtzy	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	02/27/2009 03:00	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/27/2009 17:11	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/27/2009 03:00	Kelly E Brickley	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW5606576

Group No. 1133375

MID-2-W-090220 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 MID-2

Collected: 02/20/2009 10:20 by MJ

Account Number: 10880

Submitted: 02/24/2009 09:00

Reported: 03/03/2009 at 10:36

Discard: 04/03/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

HATM2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Units	Dilution Factor
				Detection Limit		
01729	TPH-GRO N. CA water C6-C12					
01730	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	02/27/2009 17:35	Carrie E Youtzy	1
05879	BTEX	SW-846 8020A	1	02/27/2009 17:35	Carrie E Youtzy	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	02/27/2009 03:26	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/27/2009 17:35	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/27/2009 03:26	Kelly E Brickley	1



Analysis Report

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Page 1 of 1

Lancaster Laboratories Sample No. WW5606577

Group No. 1133375

EFF-W-090220 Grab Water

Facility# 90260 CRAW

21995 Foothill-Hayward T0600100315 EFF

Collected: 02/20/2009 10:15 by MJ

Account Number: 10880

Submitted: 02/24/2009 09:00

Reported: 03/03/2009 at 10:36

Discard: 04/03/2009

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

HATEF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	Units	Dilution Factor
				Detection Limit		
01729	TPH-GRO N. CA water C6-C12					
01730	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	ug/l	1
05879	BTEX					
02161	Benzene	71-43-2	N.D.	0.5	ug/l	1
02164	Toluene	108-88-3	N.D.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01729	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	02/27/2009 17:59	Carrie E Youtzy	1
05879	BTEX	SW-846 8020A	1	02/27/2009 17:59	Carrie E Youtzy	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	02/27/2009 03:53	Kelly E Brickley	1
01146	GC VOA Water Prep	SW-846 5030B	1	02/27/2009 17:59	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	02/27/2009 03:53	Kelly E Brickley	1

Quality Control Summary

Client Name: ChevronTexaco
Reported: 03/03/09 at 10:36 AM

Group Number: 1133375

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: 09058A53A	Sample number(s): 5606574-5606577							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	127	127	75-135	0	30
Benzene	N.D.	0.5	ug/l	105	110	80-120	5	30
Toluene	N.D.	0.5	ug/l	100	105	80-120	5	30
Ethylbenzene	N.D.	0.5	ug/l	100	105	80-120	5	30
Total Xylenes	N.D.	1.5	ug/l	103	108	80-120	5	30
Batch number: P090571AA	Sample number(s): 5606574-5606577							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99	97	78-117	2	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: 09058A53A	Sample number(s): 5606574-5606577 UNSPK: 5606575, 5606576								
TPH-GRO N. CA water C6-C12	145		63-154						
Benzene	110		70-152						
Toluene	110		78-129						
Ethylbenzene	110		75-133						
Total Xylenes	110		67-155						
Batch number: P090571AA	Sample number(s): 5606574-5606577 UNSPK: P606251								
Methyl Tertiary Butyl Ether	99		72-126						

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 09058A53A

	Trifluorotoluene-F	Trifluorotoluene-P
5606574	79	87
5606575	81	89
5606576	82	89
5606577	81	88
Blank	83	86

*- 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: 03/03/09 at 10:36 AM

Group Number: 1133375

Surrogate Quality Control

LCS	89	88
LCSD	87	87
MS	84	89

Limits:	63-135	69-129
---------	--------	--------

Analysis Name: MTBE by GC/MS (water)
Batch number: P090571AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5606574	86	86	102	90
5606575	87	86	90	87
5606576	87	88	90	86
5606577	88	89	90	86
Blank	93	91	83	89
LCS	89	90	87	89
LCSD	89	90	89	88
MS	89	90	89	88
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

022309-02

Acct. #: 16880

Group # 1133375

Sample #: 5606574-77

[illegible]

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3460 Rev. 11/10/05

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

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