Aaron Costa
Project Manager
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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,

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.

CONESTOGA-ROVERS & ASSOCIATES

March 5, 2009 Reference No. .311915

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

Compliance Sampling Frequency	**Monthly**
Initial Totalizer Reading	764,570 gallons
Final Totalizer Reading	822,654 gallons
Discharged Volume	58,084 gallons
Average Discharge Flow Rate	1.49 gallons per minute
Maximum Discharge Flow Rate	2.80 gallons per minute
Discharge Violations or Exceedances	None

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[2] 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
TPHg = 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						TPHg			Benzene			MTBE			Notes
	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	
(mm/dd/yy)	(hours)	(gal)	(gal)	(gpm)	(gal)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(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						TPHg			Benzene			MTBE			Notes
	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	
(mm/dd/yy)	(hours)	(gal)	(gal)	(gpm)	(gal)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(pounds)	(µg/L)	(pounds)	(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 ($g/10^6 ug$) 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)

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)	Ethlybenzene[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 (ug/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 Dicharge Limitation of non detect was exeeded. The system was shut down the day the resuts were obtained (3/13/08), confirmation samples were collected and the OLSD was notified persuant to the discharge permit. No violation was issued by the OLSD
6. =Confirmation samples results collected prior to system shut down persuant 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 persuant 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 recipt 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 REPORTS

Lancaster Laboratories

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Analysis 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

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 Description	Lancaster Labs Number
INF-W-090203 Grab Water	5591725
MID-1-W-090203 Grab Water	5591726
MID-2-W-090203 Grab Water	5591727
EFF-W-090203 Grab Water	5591728

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

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Analysis Report

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

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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Analysis Report

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 Detection Limit	Units	Dilution Factor
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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
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

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Analysis Report

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 Detection Limit	Units	Dilution Factor
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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
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

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Analysis Report

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 Detection Limit	Units	Dilution Factor
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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
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

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Analysis Report

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 Detection Limit	Units	Dilution Factor
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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
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

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1130684
Reported: 02/09/09 at 04:41 PM

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
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 Group Number: 1130684
Reported: 02/09/09 at 04:41 PM

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.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories

020309-03

For Lancaster Laboratories use only

Acct. #: 10880 Group # 1130684 Sample #: 5591725-28

SCR#:

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:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 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:
chevronedf@craworld.com

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	TPHg by 8015	Cyanide (EPA 335.4)	pH (EPA 150.1)	13 Priority Pollutant Metals (EPA 200)	(An, Ar, Be, Ca, Ch, Cu, Pb, M, Ni, Se, Si, Th, Z)	Total Phenols (EPA 420.1)	MTBE by 8260B					
INF	W		NA	09/2/3	11:15	No	X		5	X	X						X					VOAs with HCl
MID-1	W		NA	09/2/3	11:10	No	X		5	X	X						X					VOAS with HCl
MID-2	W		NA	09/2/3	11:05	No	X		5	X	X						X					VOAS with HCl
EFF	W		NA	09/2/3	11:00	No	X		5	X	X						X					VOAs with HCl

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

	Date	Time		Date	Time
Relinquished by: Mark Johnson	2/3/09	14:30	Received by:	2/3/09	1435
Relinquished by: A. Salazar 03FEB09		1636	Received by: FED EX		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	2/4/09	0930
Temperature Upon Receipt 2.0-3.1 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 limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

Lancaster Laboratories

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Analysis 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

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	Lancaster Labs Number
INF-W-090220 Grab Water	5606574
MID-1-W-090220 Grab Water	5606575
MID-2-W-090220 Grab Water	5606576
EFF-W-090220 Grab Water	5606577

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

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Analysis Report

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

Respectfully Submitted,

Martha L. Seidel
Senior Chemist

Lancaster Laboratories

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

Analysis Report

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 Detection Limit	Units	Dilution Factor
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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
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

Lancaster Laboratories

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Analysis Report

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 Detection Limit	Units	Dilution Factor
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 Trial#	Analysis Date and Time	Analyst	Dilution Factor
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

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Analysis Report

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 Detection Limit	Units	Dilution Factor
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	Trial#	Analysis Date and Time	Analyst	Dilution Factor
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

Lancaster Laboratories

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Analysis Report

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 Detection Limit	Units	Dilution Factor
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 Trial#	Analysis Date and Time	Analyst	Dilution Factor
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

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1133375
Reported: 03/03/09 at 10:36 AM

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
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 Group Number: 1133375
Reported: 03/03/09 at 10:36 AM

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.

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories Ø22309-02

For Lancaster Laboratories use only

Acct. #: 10880 Group #: 1133375 Sample #: 5600574-77

SCR#:

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:

Analyses Requested

Preservation Codes

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 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:
chevronedf@craworld.com

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	TPHg by 8015	Cyanide (EPA 335.4)	pH (EPA 150.1)	13 Priority Pollutant Metals (EPA 200)	(An, Ar, Be, Ca, Ch, Cu, Pb, M, Ni, Se, Si, Th, Z)	Total Phenols (EPA 420.1)	MTBE by 8260B					
INF	W		NA	09/2/20	10:30	No	X		5	X	X						X					VOAs with HCl
MID-1	W		NA	09/2/20	10:25	No	X		5	X	X						X					VOAS with HCl
MID-2	W		NA	09/2/20	10:20	No	X		5	X	X						X					VOAS with HCl
EFF	W		NA	09/2/20	10:15	No	X		5	X	X						X					VOAs with HCl

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

	Date	Time		Date	Time
Relinquished by: Mark Johnson	2/20/09	3:00 PM	Received by: Secure location	2/20/09	3:00 PM
Relinquished by: Secure location	2/23/09	11 AM	Received by: John Delay	2/23/09	11 AM
Relinquished by: John Delay	2/23/09	11:06 AM	Received by:	23 FEB 09	1106
Relinquished by Commercial Carrier: UPS (FedEx) Other			Received by:	2/24/09	0900
Temperature Upon Receipt 6.8-2.1 C°			Custody Seals Intact? (Yes) No		

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 limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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