Aaron Costa
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6111 Bollinger Canyon Road
San Ramon, CA 94583
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December 10, 2008

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

December 10, 2008 Reference No. 311915

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

Re: Monthly Discharge Report – November 2008
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 – NOVEMBER 2008

REPORTING PERIOD ACTIVITIES

- CRA conducted routine operation and maintenance on October 30, November 4, November 14, November 21, and November 26, 2008.
- CRA conducted monthly compliance sampling on November 4, 2008.
- 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

December 10, 2008 Reference No 311915

REPORTING PERIOD DATA SUMMARY (10/20/08 TO 11/26/08)

Compliance Sampling Frequency	Monthly
Initial Totalizer Reading	532,668 gallons
Final Totalizer Reading	619,510 gallons
Discharged Volume	86,842 gallons
Average Discharge Flow Rate	1.63 gallons per minute
Maximum Discharge Flow Rate	2.19 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) 677-3407, extension 118.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Casey Sanders

CS/doh/4

Enc.

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
21195 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
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
21195 Foothill Boulevard, Hayward, California

Date							TPHg			Benzene			MTBE			Notes
(mm/dd/yy)	Hour Meter (hours)	System Uptime (percentage)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal[2] (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal[2] (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal[2] (pounds)	Cumulative Removal (pounds)	
06/25/07	NA	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	NA	211	0	0.00	0		0.0	0.0		0.00	0.00		0.00	0.00	
07/17/07	NA	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	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	84.6%	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	99.6%	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	97.1%	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	99.0%	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	90.1%	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	75.8%	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	14.1%	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	100.0%	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	97.9%	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	100.0%	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	62.1%	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	89.6%	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	98.7%	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	9.8%	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	0.3%	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	0.0%	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	98.7%	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	0.0%	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	3.2%	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	77.0%	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	101.0%	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	129.2%	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	60.7%	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	102.7%	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	98.8%	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	91.7%	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	103.0%	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	99.4%	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	95.8%	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	94.9%	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	104.7%	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	102.6%	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
21195 Foothill Boulevard, Hayward, California

10/16/08	3,249.5	96.9%	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	96.9%	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	102.0%	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	102.9%	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	90.7%	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	102.1%	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	95.8%	619,510	10,415	1.45	619,299		7.6	215.0		0.23	8.68		0.00	0.17	
	Year to Date Uptime	45.2%		**Total Extracted Volume (gal):**		**619,299**	**Pounds Removed:**		**215.0**	**Pounds Removed:**		**8.68**	**Pounds Removed:**		**0.17**	
	Month to Date Uptime	96.9%		**Average Operational Flow Rate (gpm):**		**0.83**	**Gallons Removed:**		**35.3**	**Gallons Removed:**		**1.18**	**Gallons Removed:**		**0.03**	

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/10^6ug) 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: TPHg = 0.73 g/cc
   Benzene = 0.88 g/cc
   MTBE = 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
21195 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	
Regulatory Limits (ug/L)	**15,000**	**ND**	**ND**	**ND**	**ND**		**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

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

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 1118689. Samples arrived at the laboratory on Thursday, November 06, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description	Lancaster Labs Number
INF-W-081104 Grab Water	5520083
MID-1-W-081104 Grab Water	5520084
MID-2-W-081104 Grab Water	5520085
EFF-W-081104 Grab Water	5520086

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

Lancaster Laboratories

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Analysis Report

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

Respectfully Submitted,

Sarah Snyder
Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5520083 Group No. 1118689

INF-W-081104 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 INF
Collected:11/04/2008 17:43 by RM

Account Number: 10880

Submitted: 11/06/2008 10:00
Reported: 11/13/2008 at 11:22
Discard: 12/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAYIN

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	25,000	1,000	ug/l	20
05879	BTEX					
02161	Benzene	71-43-2	670	10	ug/l	20
02164	Toluene	108-88-3	4,700	10	ug/l	20
02166	Ethylbenzene	100-41-4	320	10	ug/l	20
02171	Total Xylenes	1330-20-7	3,800	30	ug/l	20
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	24	3	ug/l	5

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

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 - Waters	TPH GRO SW-846 8015B mod	1	11/12/2008 10:00	Martha L Seidel	20
05879	BTEX	SW-846 8020A	1	11/12/2008 10:00	Martha L Seidel	20
02309	MTBE by GC/MS (water)	SW-846 8260B	1	11/10/2008 15:38	Ginelle L Feister	5
01146	GC VOA Water Prep	SW-846 5030B	1	11/12/2008 10:00	Martha L Seidel	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/10/2008 15:38	Ginelle L Feister	5

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Analysis Report

Lancaster Laboratories Sample No. WW5520084 Group No. 1118689

MID-1-W-081104 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 MID-1
Collected:11/04/2008 17:39 by RM

Account Number: 10880

Submitted: 11/06/2008 10:00
Reported: 11/13/2008 at 11:22
Discard: 12/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAYM1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	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 - Waters	TPH GRO SW-846 8015B mod	1	11/12/2008 06:53	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	11/12/2008 06:53	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	11/10/2008 16:03	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/12/2008 06:53	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/10/2008 16:03	Ginelle L Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW5520085 Group No. 1118689

MID-2-W-081104 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 MID-2
Collected:11/04/2008 17:35 by RM

Account Number: 10880

Submitted: 11/06/2008 10:00
Reported: 11/13/2008 at 11:22
Discard: 12/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAYM2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	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 - Waters	TPH GRO SW-846 8015B mod	1	11/12/2008 07:16	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	11/12/2008 07:16	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	11/10/2008 16:28	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/12/2008 07:16	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/10/2008 16:28	Ginelle L Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW5520086 Group No. 1118689

EFF-W-081104 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 EFF
Collected:11/04/2008 17:31 by RM

Account Number: 10880

Submitted: 11/06/2008 10:00
Reported: 11/13/2008 at 11:22
Discard: 12/14/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAYEF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	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 - Waters	TPH GRO SW-846 8015B mod	1	11/12/2008 07:39	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	11/12/2008 07:39	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	11/10/2008 16:52	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	11/12/2008 07:39	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/10/2008 16:52	Ginelle L Feister	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1118689
Reported: 11/13/08 at 11:22 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: 08316A54A	Sample number(s): 5520083-5520086							
TPH-GRO - Waters	N.D.	50.	ug/l	127	110	75-135	14	30
Benzene	N.D.	0.5	ug/l	113	118	86-119	5	30
Toluene	N.D.	0.5	ug/l	112	116	82-119	4	30
Ethylbenzene	N.D.	0.5	ug/l	111	115	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	114	117	82-120	3	30
Batch number: Z083152AA	Sample number(s): 5520083-5520086							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	104		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: 08316A54A	Sample number(s): 5520083-5520086 UNSPK: P518545, P518546								
TPH-GRO - Waters	142		63-154						
Benzene	113		78-131						
Toluene	113		78-129						
Ethylbenzene	112		75-133						
Total Xylenes	114		84-131						
Batch number: Z083152AA	Sample number(s): 5520083-5520086 UNSPK: P515618								
Methyl Tertiary Butyl Ether	107	110	69-127	2	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 - Waters
Batch number: 08316A54A

	Trifluorotoluene-F	Trifluorotoluene-P
5520083	110	105
5520084	108	107
5520085	117	107
5520086	113	107
Blank	113	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: 1118689
Reported: 11/13/08 at 11:22 AM

Surrogate Quality Control

LCS	116	106
LCSD	126	108
MS	116	106
Limits:	63-135	69-129

Analysis Name: MTBE by GC/MS (water)
Batch number: Z083152AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5520083	87	85	93	84
5520084	90	87	90	82
5520085	93	90	90	82
5520086	91	89	90	83
Blank	88	87	93	82
LCS	90	87	90	89
MS	87	87	91	87
MSD	90	87	90	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

11 05 08-16

For Lancaster Laboratories use only

Acct. #: 10880 Group # 111 81689 Sample #: 552 0083-86

SCR#:

Facility #: 9-0260 M10

Site Address: 21995 Foothill Blvd, Hayward, Califomia

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: Ryan Messinger

Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

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	08/11/04	1743	No	X		5	X	X						X				
MID-1	W		NA	08/11/04	1739	No	X		5	X	X						X				
MID-2	W		NA	08/11/04	1735	No	X		5	X	X						X				
EFF	W		NA	08/11/04	1731	No	X		5	X	X						X				

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

VOAs with HCl

VOAS with HCl

VOAS with HCl

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: Ryan Messinger	11/4/08	0900	Received by: Secure Location	11/4/08	900
Relinquished by:	11/5/08	1554	Received by: A. Salazar 05	11/05/08	1554
Relinquished by: A. Salazar 05 NOV 08		1630	Received by: DHL	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other DHL			Received by:	11/6/08	1000
Temperature Upon Receipt 10-34 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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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 1121527. Samples arrived at the laboratory on Saturday, November 22, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description	Lancaster Labs Number
MID-2-W-081121 Grab Water	5538546
EFF-W-081121 Grab Water	5538547

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,

Jenifer E. Hess
Manager

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5538546 Group No. 1121527

MID-2-W-081121 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 MID-2
Collected:11/21/2008 08:25 by MJ

Account Number: 10880

Submitted: 11/22/2008 10:20
Reported: 12/03/2008 at 14:10
Discard: 01/03/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MD2--

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

Benzene is outside the in-house statistical QC limit at 85% (86-119)for the LCS. The recovery is high enough to ensure no adverse effect on the data. The LCSD recovery is within the QC limits.

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	TPH GRO SW-846 8015B mod	1	12/01/2008 18:03	Carrie E Youtzy	1
05879	BTEX	SW-846 8020A	1	12/01/2008 12:50	Carrie E Youtzy	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	12/02/2008 18:19	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/01/2008 18:03	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/02/2008 18:19	Ginelle L Feister	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5538547 Group No. 1121527

EFF-W-081121 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 EFF
Collected:11/21/2008 08:20 by MJ

Account Number: 10880

Submitted: 11/22/2008 10:20
Reported: 12/03/2008 at 14:10
Discard: 01/03/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

EFFHY

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

Benzene is outside the in-house statistical QC limit at 85% (86-119)for the LCS. The recovery is high enough to ensure no adverse effect on the data. The LCSD recovery is within the QC limits.

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	TPH GRO SW-846 8015B mod	1	12/01/2008 18:30	Carrie E Youtzy	1
05879	BTEX	SW-846 8020A	1	12/01/2008 13:18	Carrie E Youtzy	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	12/02/2008 18:10	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/01/2008 18:30	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/02/2008 18:10	Ginelle L Feister	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1121527
Reported: 12/03/08 at 02:10 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: 08331A15B	Sample number(s): 5538546-5538547							
Benzene	N.D.	0.5	ug/l	85*	100	86-119	16	30
Toluene	N.D.	0.5	ug/l	85	100	82-119	16	30
Ethylbenzene	N.D.	0.5	ug/l	85	100	81-119	16	30
Total Xylenes	N.D.	1.5	ug/l	87	100	82-120	14	30
Batch number: 08336A53A	Sample number(s): 5538546-5538547							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	116	128	75-135	10	30
Batch number: D083372AA	Sample number(s): 5538546							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	97		73-119		
Batch number: Z083372AA	Sample number(s): 5538547							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	107		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: 08331A15B	Sample number(s): 5538546-5538547 UNSPK: P537517								
Benzene	130	45*	78-131	65*	20				
Toluene	150*	39*	78-129	70*	30				
Ethylbenzene	240*	0*	75-133	67*	30				
Total Xylenes	400*	-67*	84-131	70*	30				
Batch number: 08336A53A	Sample number(s): 5538546-5538547 UNSPK: P540156								
TPH-GRO N. CA water C6-C12	120		63-154						
Batch number: D083372AA	Sample number(s): 5538546 UNSPK: P540230								
Methyl Tertiary Butyl Ether	98	105	69-127	7	30				
Batch number: Z083372AA	Sample number(s): 5538547 UNSPK: P540135								
Methyl Tertiary Butyl Ether	107	109	69-127	2	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.

*- 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: 1121527
Reported: 12/03/08 at 02:10 PM

Surrogate Quality Control

Analysis Name: BTEX
Batch number: 08331A15B

	Trifluorotoluene-P
5538546	83
5538547	83
Blank	82
LCS	81
LCSD	84
MS	81
MSD	83
Limits:	69-129

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 08336A53A

	Trifluorotoluene-F	Trifluorotoluene-P
5538546	83	
5538547	82	
Blank	82	93
LCS	96	95
LCSD	91	95
MS	100	95
Limits:	63-135	69-129

Analysis Name: MTBE by GC/MS (water)
Batch number: D083372AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5538546	89	99	95	94
Blank	95	104	98	97
LCS	93	104	97	99
MS	92	102	96	98
MSD	93	108	96	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: MTBE by GC/MS (water)
Batch number: Z083372AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5538547	100	96	108	92
Blank	100	98	106	93
LCS	100	98	106	99
MS	99	98	105	97
MSD	98	96	105	96
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   11 21 08-12

For Lancaster Laboratories use only
Acct. #: 10880 Group #: 1121527 Sample #: 5538546-47
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

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	Comments / Remarks
MID-2	W		NA	08 / 11 / 21	8:25	No	X		5	X	X					X	VOAs with HCl
EFF	W		NA	08 / 11 / 21	8:20	No	X		5	X	X					X	VOAS with HCl

Preservative Codes
H = HCl T = Thiosulfate
N = HNO_3 B = NaOH
S = H_2SO_4 O = Other

Comments / Remarks
72 hour TAT for BTEX
Email results to:
jschrupp@craworld.com and cevans@craworld.com
csanders@craworld.com
email edf to:
chevronedf@craworld.com

Turnaround Time Requested (TAT) (please circle)
24 hour (72 hour) BTEX only 48 hour
STD 4 day (5 day)

Data Package Options (please circle if required)
(QC Summary) Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by:	Date	Time	Received by:	Date	Time
Mark Johnson	11-21-08	10:25	[signature]	11/21/08	10:25
[signature]	11-21-08	1546	A. Salazar	21 NOV 08	1546
[signature]	11/21/08	1530	Fed Ex		
Relinquished by Commercial Carrier: UPS (FedEx) Other			[signature]	11/22/08	1020

Temperature Upon Receipt 1.1-3.4 C°   Custody Seals Intact? (Yes) No

3460 Rev. 11/10/05

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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 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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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 1121526. Samples arrived at the laboratory on Saturday, November 22, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description	Lancaster Labs Number
INF-W-081121 Grab Water	5538544
MID-1-W-081121 Grab Water	5538545

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

Lancaster Laboratories

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Analysis Report

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

Respectfully Submitted,

Jenifer E. Hess
Manager

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5538544 **Group No. 1121526**

INF-W-081121 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 INF
Collected:11/21/2008 08:35 by MJ

Account Number: 10880

Submitted: 11/22/2008 10:20
Reported: 12/03/2008 at 14:51
Discard: 01/03/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

INF--

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.	87,000	2,500	ug/l	50
05879	BTEX					
02161	Benzene	71-43-2	2,700	10	ug/l	20
02164	Toluene	108-88-3	18,000	25	ug/l	50
02166	Ethylbenzene	100-41-4	1,100	10	ug/l	20
02171	Total Xylenes	1330-20-7	11,000	30	ug/l	20
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	30	5	ug/l	10

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 6.

The reporting limits for the GC/MS volatile compounds were raised due to the level of non-target compounds.

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	TPH GRO SW-846 8015B mod	1	12/02/2008 13:41	Carrie E Youtzy	50

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5538544 **Group No. 1121526**

INF-W-081121 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 INF
Collected:11/21/2008 08:35 by MJ

Account Number: 10880

Submitted: 11/22/2008 10:20
Reported: 12/03/2008 at 14:51
Discard: 01/03/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

INF--

05879	BTEX	SW-846 8020A	1	12/01/2008 22:54	Carrie E Youtzy	20
05879	BTEX	SW-846 8020A	1	12/02/2008 13:41	Carrie E Youtzy	50
02309	MTBE by GC/MS (water)	SW-846 8260B	1	11/28/2008 14:36	Ginelle L Feister	10
01146	GC VOA Water Prep	SW-846 5030B	1	12/01/2008 22:54	Carrie E Youtzy	20
01146	GC VOA Water Prep	SW-846 5030B	2	12/02/2008 13:41	Carrie E Youtzy	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2008 14:36	Ginelle L Feister	10

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5538545 Group No. 1121526

MID-1-W-081121 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 MID-1
Collected:11/21/2008 08:30 by MJ

Account Number: 10880

Submitted: 11/22/2008 10:20
Reported: 12/03/2008 at 14:51
Discard: 01/03/2009

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HYMD1

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	TPH GRO SW-846 8015B mod	1	12/01/2008 23:21	Carrie E Youtzy	1
05879	BTEX	SW-846 8020A	1	12/02/2008 10:29	Carrie E Youtzy	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	11/28/2008 15:00	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/01/2008 23:21	Carrie E Youtzy	1
01146	GC VOA Water Prep	SW-846 5030B	2	12/02/2008 10:29	Carrie E Youtzy	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/28/2008 15:00	Ginelle L Feister	1

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1121526
Reported: 12/03/08 at 02:51 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: 08336A53A	Sample number(s): 5538544-5538545							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	116	128	75-135	10	30
Benzene	N.D.	0.5	ug/l	118	116	86-119	2	30
Toluene	N.D.	0.5	ug/l	112	111	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	107	105	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	107	105	82-120	1	30
Batch number: D083332AA	Sample number(s): 5538544-5538545							
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: 08336A53A	Sample number(s): 5538544-5538545 UNSPK: P537515, P540156								
TPH-GRO N. CA water C6-C12	120		63-154						
Benzene	119		78-131						
Toluene	110		78-129						
Ethylbenzene	104		75-133						
Total Xylenes	100		84-131						
Batch number: D083332AA	Sample number(s): 5538544-5538545 UNSPK: P535326								
Methyl Tertiary Butyl Ether	113	112	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: 08336A53A

	Trifluorotoluene-F	Trifluorotoluene-P
5538544	91	96
5538545	84	94
Blank	82	93
LCS	96	95
LCSD	91	95

*- 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: 1121526
Reported: 12/03/08 at 02:51 PM

Surrogate Quality Control

MS	100	95
Limits:	63-135	69-129

Analysis Name: MTBE by GC/MS (water)
Batch number: D083332AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5538544	106	103	98	102
5538545	109	109	100	104
Blank	108	105	98	102
LCS	110	110	101	107
MS	110	108	100	106
MSD	112	111	101	108
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

11/21/08-11

For Lancaster Laboratories use only

Acct. #: 10880 Group # 1121526 Sample #: 5538544-45

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., Suite 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**

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 Proirity 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	Comments / Remarks
INF	W		NA	08 / 11 / 21	8:35	No	X		5	X	X					X	VOAs with HCl
MID-1	W		NA	08 / 11 / 21	8:30	No	X		5	X	X					X	VOAS with HCl

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

Turnaround Time Requested (TAT) (please circle)

24 hour 72 hour 48 hour
STD 4 day (5 day)

Data Package Options (please circle if required)

(QC Summary) Type I – Full
Type VI (Raw Data) ☐ Coelt Deliverable not needed
WIP (RWQCB)
Disk

Relinquished by	Date	Time	Received by	Date	Time
Mark Johnson	10/21/08	10:25	Jeff Denny	11/21/08	10:25
Jeff Denny	10/21/08	1500	C. Salazar	21NOV08	1500
[signature]	11/21/08	1530	FedEx		
Relinquished by Commercial Carrier: UPS FedEx Other			[signature]	11/22/08	1020

Temperature Upon Receipt 1.3-1 C°

Custody Seals Intact? (Yes) No

3460 Rev. 11/10/05

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300

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 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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