Aaron Costa
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
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November 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

November 10, 2008 Reference No. 311915

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

Re: Monthly Discharge Report – October 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), 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.

REPORTING PERIOD DATA SUMMARY (09/25/08 TO 10/20/08)

Compliance Sampling Frequency	Monthly
Initial Totalizer Reading	491,450 gallons
Final Totalizer Reading	532,668 gallons
Discharged Volume	41,218 gallons
Average Discharge Flow Rate	1.14 gallons per minute
Maximum Discharge Flow Rate	1.68 gallons per minute
Discharge Violations or Exceedances	None

CONESTOGA-ROVERS & ASSOCIATES

November 10, 2008 Reference No. 311915

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/3

Enc.

cc: Mr. Aaron Costa, Chevron Environmental Management Company

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
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
TPH (hexane extractable = oil and grease) analyzed by EPA Method 1664.
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 (percentge)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal (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	
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	
Year to Date Uptime		38.4%		Total Extracted Volume (gal):		532,457	Pounds Removed:		182.0	Pounds Removed:		7.65	Pounds Removed:		0.15	
Month to Date Uptime		99.9%		Average Operational Flow Rate (gpm):		0.77	Gallons Removed:		29.9	Gallons Removed:		1.04	Gallons Removed:		0.02	

Table 2: Groundwater Extraction and Treatment System
Operational Data
Former Chevron Station # 9-0260
21195 Foothill Boulevard, Hayward, California

Notes:

1. = hour meter installed begining 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 (mg/L) x (g/10^{o}mg) 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 = miligrams per liter
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	
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 Oro Loma Sanitation District.
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 1113016. Samples arrived at the laboratory on Thursday, October 02, 2008. The PO# for this group is 0015025028 and the release number is SKANCE.

Client Description	Lancaster Labs Number
INF-W-081001 Grab Water	5486847
MID-1-W-081001 Grab Water	5486848
EFF-W-081001 Grab Water	5486849
MID-2-W-081001 Grab Water	5486850

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,

Christine Dulaney
Senior Specialist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5486847 Group No. 1113016

INF-W-081001 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 INF
Collected:10/01/2008 09:00 by MJ

Account Number: 10880

Submitted: 10/02/2008 10:15
Reported: 10/07/2008 at 14:48
Discard: 11/07/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

260-I

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.	26,000	1,000	ug/l	20
05879	BTEX					
02161	Benzene	71-43-2	980	10	ug/l	20
02164	Toluene	108-88-3	5,400	10	ug/l	20
02166	Ethylbenzene	100-41-4	350	10	ug/l	20
02171	Total Xylenes	1330-20-7	4,200	30	ug/l	20
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	28	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 - Waters	TPH GRO SW-846 8015B mod	1	10/03/2008 14:58	Martha L Seidel	20
05879	BTEX	SW-846 8020A	1	10/03/2008 14:58	Martha L Seidel	20
02309	MTBE by GC/MS (water)	SW-846 8260B	1	10/04/2008 01:26	Michael A Ziegler	5
01146	GC VOA Water Prep	SW-846 5030B	2	10/03/2008 14:58	Martha L Seidel	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/04/2008 01:26	Michael A Ziegler	5

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Analysis Report

Lancaster Laboratories Sample No. WW5486848 Group No. 1113016

MID-1-W-081001 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID-1
Collected:10/01/2008 08:50 by MJ

Account Number: 10880

Submitted: 10/02/2008 10:15
Reported: 10/07/2008 at 14:48
Discard: 11/07/2008

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 - 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	0.8	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	10/03/2008 13:55	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	10/03/2008 13:55	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	10/04/2008 01:50	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/03/2008 13:55	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/04/2008 01:50	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5486849 Group No. 1113016

EFF-W-081001 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 EFF
Collected:10/01/2008 08:30 by MJ

Account Number: 10880

Submitted: 10/02/2008 10:15
Reported: 10/07/2008 at 14:48
Discard: 11/07/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

260-E

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	10/03/2008 14:16	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	10/03/2008 14:16	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	10/04/2008 02:14	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/03/2008 14:16	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/04/2008 02:14	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5486850 Group No. 1113016

MID-2-W-081001 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID-2
Collected:10/01/2008 08:40 by MJ

Account Number: 10880

Submitted: 10/02/2008 10:15
Reported: 10/07/2008 at 14:48
Discard: 11/07/2008

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 - 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	10/03/2008 14:37	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	10/03/2008 14:37	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	10/04/2008 02:38	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/03/2008 14:37	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/04/2008 02:38	Michael A Ziegler	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1113016
Reported: 10/07/08 at 02:48 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: 08276A53A	Sample number(s): 5486847-5486850							
TPH-GRO - Waters	N.D.	50.	ug/l	82	89	75-135	8	30
Benzene	N.D.	0.5	ug/l	101	109	86-119	8	30
Toluene	N.D.	0.5	ug/l	107	115	82-119	7	30
Ethylbenzene	N.D.	0.5	ug/l	100	112	81-119	11	30
Total Xylenes	N.D.	1.5	ug/l	105	116	82-120	10	30
Batch number: D082773AA	Sample number(s): 5486847-5486850							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	105		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: 08276A53A	Sample number(s): 5486847-5486850 UNSPK: P483060, P483061								
TPH-GRO - Waters	103		63-154						
Benzene	103		78-131						
Toluene	100		78-129						
Ethylbenzene	101		75-133						
Total Xylenes	104		84-131						
Batch number: D082773AA	Sample number(s): 5486847-5486850 UNSPK: P482764								
Methyl Tertiary Butyl Ether	113	111	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 - Waters
Batch number: 08276A53A

	Trifluorotoluene-F	Trifluorotoluene-P
5486847	88	89
5486848	97	89
5486849	94	90
5486850	95	89
Blank	95	90

*- 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: 1113016
Reported: 10/07/08 at 02:48 PM

Surrogate Quality Control

LCS	100	93
LCSD	104	91
MS	101	91
Limits:	63-135	69-129

Analysis Name: MTBE by GC/MS (water)
Batch number: D082773AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5486847	91	105	97	104
5486848	91	104	95	100
5486849	93	103	97	100
5486850	90	102	94	99
Blank	92	106	96	100
LCS	93	106	96	102
MS	91	105	96	104
MSD	90	104	96	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 10 01 08-01

For Lancaster Laboratories use only
Acct. #: 10880 Group #: 1113016 Sample #: 548647-50

SCR#:

Facility #: 9-0260 M1L
Site Address: 21995 Foothill Blvd, Hayward, California
Chevron PM: Olivia Skance 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	08/10/1	09:00	No	X		6	X	X						X	VOAs with HCl
MID -1	W		NA	08/10/1	08:50	No	X		6	X	X						X	VOAS with HCl
EFF	W		NA	08/10/1	08:30	No	X		6	X	X						X	VOAs with HCl
MID-2	W		NA	08/10/1	08:40	No	X		6	X	X						X	VOA's w/ HCl

Turnaround Time Requested (TAT) (please circle)
24 hour STD 72 hours 72 hour 4 day 48 hour ~~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	10/1/08	13:00	Received by: A. Salazar	10/1/08	1360
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other ONE			Received by:	Date 10/2/08	Time 1015
Temperature Upon Receipt 8°-3.° C° range			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 1115530. Samples arrived at the laboratory on Friday, October 17, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description	Lancaster Labs Number
INF-W-081016 Grab Water	5500910
MID-1-W-081016 Grab Water	5500911
MID-2-W-081016 Grab Water	5500912
EFF-W-081016 Grab Water	5500913

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,

Barbara F. Reedy
Senior Specialist

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. WW5500910 Group No. 1115530

INF-W-081016 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 INF
Collected:10/16/2008 12:15 by VH

Account Number: 10880

Submitted: 10/17/2008 10:20
Reported: 10/24/2008 at 17:00
Discard: 11/24/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOOIN

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.	27,000	1,300	ug/l	25
05879	BTEX					
02161	Benzene	71-43-2	1,100	13	ug/l	25
02164	Toluene	108-88-3	6,600	13	ug/l	25
02166	Ethylbenzene	100-41-4	750	13	ug/l	25
02171	Total Xylenes	1330-20-7	4,600	38	ug/l	25
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	34	5	ug/l	10

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	10/24/2008 10:23	Martha L Seidel	25
05879	BTEX	SW-846 8020A	1	10/24/2008 10:23	Martha L Seidel	25
02309	MTBE by GC/MS (water)	SW-846 8260B	1	10/21/2008 01:24	Michael A Ziegler	10
01146	GC VOA Water Prep	SW-846 5030B	1	10/24/2008 10:23	Martha L Seidel	25
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/21/2008 01:24	Michael A Ziegler	10

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Analysis Report

Lancaster Laboratories Sample No. WW5500911 Group No. 1115530

MID-1-W-081016 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 MID-1
Collected:10/16/2008 12:10 by VH

Account Number: 10880

Submitted: 10/17/2008 10:20
Reported: 10/24/2008 at 17:00
Discard: 11/24/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOOM1

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	10/23/2008 22:27	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	10/23/2008 22:27	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	10/21/2008 02:12	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/23/2008 22:27	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/21/2008 02:12	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5500912 Group No. 1115530

MID-2-W-081016 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 MID-2
Collected:10/16/2008 12:05 by VH

Account Number: 10880

Submitted: 10/17/2008 10:20
Reported: 10/24/2008 at 17:00
Discard: 11/24/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOOM2

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	10/23/2008 22:51	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	10/23/2008 22:51	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	10/21/2008 02:36	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/23/2008 22:51	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/21/2008 02:36	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW5500913 Group No. 1115530

EFF-W-081016 Grab Water
Facility# 90260 CRAW
21995 Foothill-Hayward T0600100315 EFF
Collected:10/16/2008 12:00 by VH

Account Number: 10880

Submitted: 10/17/2008 10:20
Reported: 10/24/2008 at 17:00
Discard: 11/24/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FOOEF

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	10/23/2008 23:14	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	10/23/2008 23:14	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	10/21/2008 03:00	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/23/2008 23:14	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	10/21/2008 03:00	Michael A Ziegler	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1115530
Reported: 10/24/08 at 05:00 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: 08297A53A	Sample number(s): 5500910-5500913							
TPH-GRO - Waters	N.D.	50.	ug/l	106	110	75-135	4	30
Benzene	N.D.	0.5	ug/l	111	114	86-119	2	30
Toluene	N.D.	0.5	ug/l	111	113	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	106	110	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	109	113	82-120	3	30
Batch number: D082943AA	Sample number(s): 5500910-5500913							
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: 08297A53A	Sample number(s): 5500910-5500913 UNSPK: P502302, P502303								
TPH-GRO - Waters	112		63-154						
Benzene	119		78-131						
Toluene	119		78-129						
Ethylbenzene	116		75-133						
Total Xylenes	119		84-131						
Batch number: D082943AA	Sample number(s): 5500910-5500913 UNSPK: P498289								
Methyl Tertiary Butyl Ether	95	93	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: 08297A53A

	Trifluorotoluene-F	Trifluorotoluene-P
5500910	87	89
5500911	83	85
5500912	84	85
5500913	82	86
Blank	85	88

*- 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: 1115530
Reported: 10/24/08 at 05:00 PM

Surrogate Quality Control

LCS	102	88
LCSD	94	88
MS	109	89
Limits:	63-135	69-129

Analysis Name: MTBE by GC/MS (water)
Batch number: D082943AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5500910	96	99	89	94
5500911	98	99	87	92
5500912	96	98	89	94
5500913	95	97	86	92
Blank	99	101	89	94
LCS	97	99	89	99
MS	97	95	87	97
MSD	96	99	89	98
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

10608-09

For Lancaster Laboratories use only
Acct. #: 10880 Group # 1115530 Sample #: 5500910-13

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: VARTAN HANEDANIAN
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	Comments
INF	W		NA	08/10/16	12:15	No	X		5	X	X						X	VOAs with HCl
MID-1	W		NA	08/10/16	12:10	No	X		5	X	X						X	VOAS with HCl
MID-2	W		NA	08/10/16	12:05	No	X		5	X	X						X	VOAS with HCl
EFF	W		NA	08/10/16	12:00	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) ☐ CoeIt Deliverable not needed
WIP (RWQCB)
Disk

	Date	Time		Date	Time
Relinquished by: Vartan Hanedanian	16OCT08	1528	Received by: C. Salazar	16OCT08	1528
Relinquished by: C. Salazar	16OCT08	1636	Received by: DHL		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other DHL			Received by:		
Temperature Upon Receipt 1.1-4.1 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.

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