Chevron

Aaron Costa
Project Manager
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Chevron Environmental Management Company
6111 Bollinger Canyon Road
San Ramon, CA 94583
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September 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, Calfornia 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

September 10, 2008

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

Re: **Monthly Discharge Report – August 2008**
Former Chevron Service Station #9-0260
21995 Foothill Blvd
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.**

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

Enclosure: Monthly Discharge Report – August 2008

cc: Mr. Aaron Costa, Chevron Environmental Management Company, 6001 Bollinger Canyon Road, San Ramon, CA 94583

CONESTOGA-ROVERS
& ASSOCIATES

MONTHLY DISCHARGE REPORT – AUGUST 2008

Reporting Period Data Summary

Compliance Sampling Frequency	Monthly
Initial Totalizer Reading	379,835 gallons
Final Totalizer Reading	421,400 gallons
Discharged Volume	41,565 gallons
Average Discharge Flow Rate	1.11 gallons per minute
Maximum Discharge Flow Rate	1.56 gallons per minute
Discharge Violations or Exceedances	None

Tables: 1 – Groundwater Extraction – System Analytical Data
2 – Groundwater Extraction – Operation and Mass Removal Data
3 – Groundwater Extraction – Effluent Compliance

Attachments: A – Laboratory Analytical Reports

I:\Chevron\9-0260 Hayward\Remediation\O&M\Monthly Discharge Reports\2008\August 08\August 08 Monthly Discharge Report.doc

Table 1: **Groundwater Extraction - System Analytical Data** - Former Chevron Station # 9-0260, 21995 Foothill Blvd, Hayward, CA

	Influent			Midfluent 1			Midfluent 2			Effluent			
Sample Date (mm/dd/yy)	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	MtBE Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	MtBE Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	MtBE Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	MtBE Conc. (µg/L)	pH
06/25/07	**34,000**	**2,000**	**92**	NA	NA	NA				< 50	< 0.5	< 0.5	7.17
07/17/07	**42,000**	**1,700**	**57**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	7.1
07/26/07	**57,000**	**1,800**	**51**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	NA
08/17/07	**65,000**	**2,800**	**74**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	7.2
08/22/07	**44,000**	**2,100**	**56**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	7.30
08/29/07	**43,000**	**2,000**	**53**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	6.89
09/26/07	**42,000**	**1,800**	**33**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	6.50
10/04/07	**34,000**	**1,500**	**40**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	7.92
10/08/07	**45,000**	**2,400**	**45**	**150**	**4.1**	< 0.5				< 50	< 0.5	< 0.5	7.36
10/19/07	**42,000**	**2,300**	**38**	< 50	**1.2**	< 0.5				< 50	< 0.5	< 0.5	7.30
10/25/07	NS	NS	NS	NS	NS	NS				NS	NS	NS	7.30
12/05/07	**46,000**	**2,400**	**42**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	NA
12/06/07	NS	NS	NS	NS	NS	NS				NS	NS	NS	7.50
12/18/07	**31,000**	**1,800**	**37**	< 50	**0.9**	< 0.5				< 50	< 0.5	< 0.5	7.80
01/03/08	**41,000**	**2,400**	**35**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	7.03
01/18/08	**36,000**	**1,000**	**35**	< 50	< 0.5	**0.5**				< 50	< 0.5	< 0.5	7.80
02/07/08	**65,000**	**2,400**	**21**	< 720	< 29.0	< 2.0				< 50	< 0.5	< 0.5	6.65
02/14/08	NS	NS	NS	NS	NS	NS				NS	NS	NS	6.72
03/05/08	**40,000**	**2,100**	**28**	< 50	< 0.5	< 0.5				< 50	< 0.5	< 0.5	8.30
03/13/08	**37,000**	**1,700**	**37**	< 50	< 0.5	< 0.5	Carbon vessel added 7/22/08			< 120	**2.2**	< 0.5	NA
08/01/08 a	**41,000**	**1,500**	**36**	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.25
08/08/08	**40,000**	**1,900**	**35**	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.01

Abbreviations & Notes:

Conc. = Concentration
µg/L = Micrograms per liter
NA = Not analyzed
NS = Not sampled
TPHg = Total purgeable hydrocarbons as gasoline, analyzed by EPA Method 8015B
pH analyzed onsite with multimeter
Benzene analyzed by EPA Method 8020
MtBE = Methyl-tertiary butyl ether, analyzed by EPA Method 8260B
a = Groundwater was pumped into a vacuum truck. No water was discharged to the sewer.
CRA added an additional carbon vessel on 7/22/08

Table 2: Groundwater Extraction - Operation and Mass Removal Data - Former Chevron Station # 9-0260, 21995 Foothill Blvd, Hayward, CA

Site Visit (mm/dd/yy)	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume (gal)	TPHg Conc. (µg/L)	TPHg Period Removal (pounds)	TPHg Cumulative Removal (pounds)	Benzene Conc. (µg/L)	Benzene Period Removal (pounds)	Benzene Cumulative Removal (pounds)	MTBE Conc. (µg/L)	MTBE Period Removal (pounds)	MTBE Cumulative Removal (pounds)
06/25/07	0.0	211	0	0.00	0	34,000	0.000	0.000	2,000	0.000	0.000	92	0.000	0.000
07/16/07	0.0	211	0	0.00	0	NS	0.000	0.000	NS	0.000	0.000	NS	0.000	0.000
07/17/07 a	2.0	7,524	7,313	4.51	7,313	42,000	2.563	2.563	1,700	0.104	0.104	57	0.003	0.003
07/26/07	5.0	9,422	1,898	10.54	9,211	57,000	0.903	3.466	1,800	0.029	0.132	51	0.001	0.004
08/03/07	NA	10,947	1,525	0.13	10,736	NS	0.725	4.191	NS	0.023	0.155	NS	0.001	0.005
08/16/07	NA	12,100	1,153	0.06	11,889	NS	0.625	4.816	NS	0.027	0.182	NS	0.001	0.006
08/17/07	NA	15,500	3,400	2.36	15,289	65,000	1.844	6.660	2,800	0.079	0.262	74	0.002	0.008
08/22/07	NA	18,700	3,200	0.44	18,489	44,000	1.175	7.835	2,100	0.056	0.318	56	0.001	0.009
08/24/07	NA	22,800	4,100	1.42	22,589	NS	1.505	9.341	NS	0.072	0.389	NS	0.002	0.011
08/29/07	NA	24,810	2,010	0.28	24,599	43,000	0.721	10.062	2,000	0.034	0.423	53	0.001	0.012
09/18/07	NA	26,700	1,890	0.07	26,489	NS	0.662	10.724	NS	0.028	0.451	NS	0.001	0.013
09/21/07	NA	29,900	3,200	0.74	29,689	NS	1.121	11.846	NS	0.048	0.499	NS	0.001	0.013
09/26/07	NA	39,700	9,800	1.36	39,489	42,000	3.435	15.280	1,800	0.147	0.647	33	0.003	0.016
09/27/07	NA	44,300	4,600	3.19	44,089	NS	1.612	16.892	NS	0.069	0.716	NS	0.001	0.017
10/04/07	NA	65,765	21,465	2.13	65,554	34,000	6.090	22.982	1,500	0.269	0.984	40	0.007	0.025
10/08/07	NA	73,526	7,761	1.35	73,315	45,000	2.914	25.896	2,400	0.155	1.140	45	0.003	0.027
10/19/07	NA	97,500	23,974	1.51	97,289	42,000	8.402	34.298	2,300	0.460	1.600	38	0.008	0.035
10/25/07 b	NA	117,400	19,900	2.30	117,189	NS	6.974	41.273	NS	0.382	1.982	NS	0.006	0.041
12/05/07 b	2.0	119,284	1,884	0.03	119,073	46,000	0.723	41.996	2,400	0.038	2.020	42	0.001	0.042
12/06/07	22.3	121,500	2,216	1.54	121,289	NS	0.851	42.846	NS	0.044	2.064	NS	0.001	0.043
12/11/07	141.8	134,679	13,179	1.83	134,468	NS	5.058	47.905	NS	0.264	2.328	NS	0.005	0.047
12/18/07	304.9	149,033	14,355	1.42	148,822	31,000	3.713	51.618	1,800	0.216	2.543	37	0.004	0.052
12/27/07	518.7	170,809	21,776	1.68	170,598	NS	5.633	57.251	NS	0.327	2.871	NS	0.007	0.059
01/02/08	648.5	183,000	12,191	1.41	182,789	NS	4.171	61.422	NS	0.244	3.115	NS	0.004	0.062
01/03/08	666.7	185,361	2,361	1.64	185,150	41,000	0.808	62.229	2,400	0.047	3.162	35	0.001	0.063
01/10/08	690.4	189,800	4,439	0.44	189,589	NS	1.519	63.748	NS	0.089	3.251	NS	0.001	0.064
01/11/08	718.3	197,700	7,900	5.49	197,489	NS	2.703	66.451	NS	0.158	3.409	NS	0.002	0.066
01/18/08	882.8	233,945	36,245	3.60	233,734	36,000	10.888	77.339	1,000	0.302	3.712	35	0.011	0.077
01/23/08	1004.7	254,185	20,240	2.81	253,974	NS	6.080	83.419	NS	0.169	3.880	NS	0.006	0.083
01/30/08	1061.7	268,200	34,255	1.98	267,989	NS	10.290	93.709	NS	0.286	4.166	NS	0.010	0.093
02/07/08	1233.7	312,800	44,600	3.87	312,589	65,000	24.190	117.899	2,400	0.893	5.059	21	0.008	0.101
02/14/08 b	1399.6	341,772	28,972	2.87	341,561	NS	15.714	133.613	NS	0.580	5.640	NS	0.005	0.106
02/26/08 c	1427.7	346,091	4,319	0.25	345,880	NS	2.343	135.956	NS	0.086	5.726	NS	0.001	0.107
03/04/08	1428.2	346,400	309	0.03	346,189	NS	0.167	136.123	NS	0.006	5.732	NS	0.000	0.107
03/05/08	1,428.2	346,400	0	0.00	346,189	40,000	0.000	136.123	2100.0	0.000	5.732	28.0	0.000	0.107
03/13/08	1,617.8	379,835	33,435	2.90	379,624	37,000	10.323	146.446	1700.0	0.474	6.207	37.0	0.010	0.117
08/01/08 d	**1,617.8**	**379,835**	**1,000**	**0.00**	**380,624**	**41,000**	**0.342**	**146.788**	**1500.0**	**0.013**	**6.219**	**36.0**	**0.000**	**0.117**
08/08/08	**1,623.1**	**380,302**	**467**	**0.05**	**381,091**	**40,000**	**0.156**	**146.944**	**1900.0**	**0.007**	**6.227**	**35.0**	**0.000**	**0.117**
08/14/08	**1,734.0**	**393,425**	**13,123**	**1.52**	**394,214**	**NS**	**4.380**	**151.324**	**NS**	**0.208**	**6.435**	**NS**	**0.004**	**0.121**
08/22/08	**1,928.0**	**411,400**	**17,975**	**1.56**	**412,189**	**NS**	**6.000**	**157.324**	**NS**	**0.285**	**6.720**	**NS**	**0.005**	**0.127**
08/27/08	**2,052.2**	**421,400**	**10,000**	**1.39**	**422,189**	**NS**	**3.338**	**160.661**	**NS**	**0.159**	**6.878**	**NS**	**0.003**	**0.129**
			Total Extracted Volume (gal):		**422,189**	**Pounds Removed:**		**160.661**	**Pounds Removed:**		**6.878**	**Pounds Removed:**		**0.129**
			Average Operational Flow Rate (gpm):		**1.19**	**Gallons Removed:**		**26.375**	**Gallons Removed:**		**0.937**	**Gallons Removed:**		**0.021**

Table 2: **Groundwater Extraction - Operation and Mass Removal Data -** Former Chevron Station # 9-0260, 21995 Foothill Blvd, Hayward, CA

Abbreviations & Notes:

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
Conc. = Concentration
µg/L = Microgram per liter
L = Liter
gal = Gallon
gpm = Gallon per minute
g = Gram
NS = Not sampled
NA = Not analyzed
a = Hour meter was reset after running for 25 hours after installation of new programmable logic controller
b = System shut down for carbon changeout.
c = System restarted to facilitate the collection of compliance vapor samples and shut back down awaiting carbon changeout.
d = Groundwater was pumped into a vacuum truck. No water was discharged to the sewer.
Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x ($g/10^6 \mu g$) x (pound/453.6g) x (3.785 L/gal)
When constituents are not detected, the concentration is assumed to be equal to half the detection limit in subsequent calculations.
Volume removal data based on the formula: mass (pounds) x $(density)^{-1}$ (cc/g) x 453.6 (g/pound) x (L/1000 cc) x (gal/3.785 L)
Period operational flow rate based on the formula: (cumulative volume (gal)) / (current hour meter reading - last hour meter reading (hr)) / (60 (min/hr))
Density inputs: TPHg = 0.73 g/cc, Benzene = 0.88 g/cc, TBA = 0.78 g/cc, MTBE = 0.74 g/cc
TPHg analyzed by EPA Method 8015B; BTEX analyzed by EPA method 8020, and MTBE analyzed by EPA Method 8260B

Table 3: **Groundwater Extraction - Effluent Compliance -** Former Chevron Station # 9-0260, 21995 Foothill Blvd, Hayward, CA

	Effluent					
Sample Date (mm/dd/yy)	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethlybenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	pH
06/25/07	< 50	< 0.5	< 0.5	< 0.5	< 0.5	7.17
07/17/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.10
07/26/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	NA
08/17/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.20
08/22/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.30
08/29/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	6.89
09/26/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	6.50
10/04/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.92
10/08/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.36
10/19/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.30
12/05/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	NA
12/06/07	NA	NA	NA	NA	NA	7.50
12/18/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.80
01/03/08	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.03
01/17/08	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.80
02/07/08	< 50	< 0.5	< 0.5	< 0.5	<1.5	6.65
03/05/08	< 50	< 0.5	**0.7**	< 0.5	<1.5	8.30
03/13/08	< 120	**2.2**	**17.0**	**1.2**	**23.0**	NA
08/01/08 a	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.25
08/08/08	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.01
Limits (ug/L)	15,000	ND	ND	ND	ND	5.5<L<12.5

Abbreviations & Notes:

Conc. = Concentration
µg/L = Micrograms per liter
NA = Not analyzed
pH analyzed onsite with multimeter
TPHg = Total purgeable hydrocarbons as gasoline, analyzed by EPA Method 8015B
BTEX analyzed by EPA Method 8020
MTBE = Methyl tertiary butyl ether, analyzed by EPA Method 8260B
a = Groundwater was pumped into a vacuum truck. No water was discharged to the sewer.

CONESTOGA-ROVERS
& ASSOCIATES

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 1103506. Samples arrived at the laboratory on Saturday, August 02, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description	Lancaster Labs Number
INF-W-080801 Grab Water	5431268
MID-1-W-080801 Grab Water	5431269
MID-2-W-080801 Grab Water	5431270
EFF-W-080801 Grab Water	5431271

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

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

Analysis Report

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

Respectfully Submitted,

Martha L. Seidel

Martha L. Seidel
Senior Chemist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5431268 **Group No. 1103506**

INF-W-080801 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 INF
Collected:08/01/2008 11:22 by RM

Account Number: 10880

Submitted: 08/02/2008 09:30
Reported: 08/07/2008 at 14:59
Discard: 09/07/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHIN

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.	41,000.	1,300.	ug/l	25
05879	BTEX					
02161	Benzene	71-43-2	1,500.	2.5	ug/l	5
02164	Toluene	108-88-3	7,400.	13.	ug/l	25
02166	Ethylbenzene	100-41-4	990.	2.5	ug/l	5
02171	Total Xylenes	1330-20-7	4,300.	7.5	ug/l	5
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	36.	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	08/06/2008 22:43	Linda C Pape	25
05879	BTEX	SW-846 8020A	1	08/06/2008 20:36	Linda C Pape	5
05879	BTEX	SW-846 8020A	1	08/06/2008 22:43	Linda C Pape	25
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/06/2008 08:00	Ginelle L Feister	10
01146	GC VOA Water Prep	SW-846 5030B	1	08/06/2008 20:36	Linda C Pape	5
01146	GC VOA Water Prep	SW-846 5030B	3	08/06/2008 22:43	Linda C Pape	25
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/06/2008 08:00	Ginelle L Feister	10

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. WW5431268 **Group No. 1103506**

INF-W-080801 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 INF
Collected:08/01/2008 11:22 by RM

Account Number: 10880

Submitted: 08/02/2008 09:30
Reported: 08/07/2008 at 14:59
Discard: 09/07/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHIN

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5431269 **Group No. 1103506**

MID-1-W-080801 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID-1
Collected:08/01/2008 11:19 by RM

Account Number: 10880

Submitted: 08/02/2008 09:30
Reported: 08/07/2008 at 14:59
Discard: 09/07/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHM1

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	08/06/2008 19:32	Linda C Pape	1
05879	BTEX	SW-846 8020A	1	08/06/2008 19:32	Linda C Pape	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/06/2008 08:43	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/06/2008 19:32	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/06/2008 08:43	Ginelle L Feister	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5431270 **Group No. 1103506**

MID-2-W-080801 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID-2
Collected:08/01/2008 11:16 by RM

Account Number: 10880

Submitted: 08/02/2008 09:30
Reported: 08/07/2008 at 14:59
Discard: 09/07/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHM2

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	08/06/2008 19:53	Linda C Pape	1
05879	BTEX	SW-846 8020A	1	08/06/2008 19:53	Linda C Pape	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/06/2008 09:04	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/06/2008 19:53	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/06/2008 09:04	Ginelle L Feister	1

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Analysis Report

Lancaster Laboratories Sample No. WW5431271 **Group No. 1103506**

EFF-W-080801 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 EFF
Collected:08/01/2008 11:13 by RM

Account Number: 10880

Submitted: 08/02/2008 09:30
Reported: 08/07/2008 at 14:59
Discard: 09/07/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHEF

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	08/06/2008 20:14	Linda C Pape	1
05879	BTEX	SW-846 8020A	1	08/06/2008 20:14	Linda C Pape	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/06/2008 09:25	Ginelle L Feister	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/06/2008 20:14	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/06/2008 09:25	Ginelle L Feister	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco Group Number: 1103506
Reported: 08/07/08 at 02:59 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: 08219A53A	Sample number(s): 5431268-5431271							
TPH-GRO - Waters	N.D.	50.	ug/l	101	103	75-135	2	30
Benzene	N.D.	0.5	ug/l	114	109	86-119	5	30
Toluene	N.D.	0.5	ug/l	115	110	82-119	5	30
Ethylbenzene	N.D.	0.5	ug/l	111	105	81-119	5	30
Total Xylenes	N.D.	1.5	ug/l	111	107	82-120	4	30
Batch number: Z082183AA	Sample number(s): 5431268-5431271							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		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: 08219A53A	Sample number(s): 5431268-5431271 UNSPK: P431494, P431495								
TPH-GRO - Waters	110		63-154						
Benzene	119		78-131						
Toluene	124		78-129						
Ethylbenzene	119		75-133						
Total Xylenes	121		84-131						
Batch number: Z082183AA	Sample number(s): 5431268-5431271 UNSPK: P426039								
Methyl Tertiary Butyl Ether	89	97	69-127	9	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: 08219A53A

	Trifluorotoluene-F	Trifluorotoluene-P
5431268	65	83
5431269	69	81
5431270	68	81
5431271	65	81
Blank	67	82
LCS	76	84

*- 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: 1103506
Reported: 08/07/08 at 02:59 PM

Surrogate Quality Control

LCSD	74	83
MS	72	82
Limits:	63-135	69-129

Analysis Name: MTBE by GC/MS (water)
Batch number: Z082183AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5431268	88	83	89	89
5431269	90	85	92	90
5431270	91	84	91	89
5431271	90	85	91	91
Blank	90	84	92	90
LCS	90	85	92	91
MS	90	86	92	91
MSD	89	85	92	91
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

080108-11

For Lancaster Laboratories use only
Acct. #: 10860 Group # 1103506 Sample #: 5431268-71

SCR#:

Facility #: 9-0260
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: Ryan Messinger
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

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	08/8/1	1122	No	X		6	X	X						X	
MID-1	W		NA	08/8/1	1117	No	X		6	X	X						X	
MID-2	W		NA	08/8/1	1114	No	X		6	X	X						X	
EFF	W		NA	08/8/1	1113	No	X		6	X	X						X	

☐ 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

08/01/08

Turnaround Time Requested (TAT) (please circle)
24 hour 72 hour 48 hour
STD 4 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	08/01/08		Received by: Secure Location (Lancaster Office)		1230
Relinquished by: Jennifer Mendoza	8/1/08	1:00	Received by:	8/1/08	1300
Relinquished by:	8/1/08	1600	Received by: DHL		
Relinquished by Commercial Carrier: UPS FedEx Other DHL			Received by:	8/2/08	0930
Temperature Upon Receipt 10-3 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.

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 1104876. Samples arrived at the laboratory on Tuesday, August 12, 2008. The PO# for this group is 0015025028 and the release number is COSTA.

Client Description	Lancaster Labs Number
INF-W-080808 Grab Water	5438454
MID-1-W-080808 Grab Water	5438455
MID-2-W-080808 Grab Water	5438456
EFF-W-080808 Grab Water	5438457

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. WW5438454 **Group No. 1104876**

INF-W-080808 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 INF
Collected:08/08/2008 08:30 by MJ

Account Number: 10880

Submitted: 08/12/2008 09:35
Reported: 08/26/2008 at 09:26
Discard: 09/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

0260I

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.	40,000.	1,000.	ug/l	20
05879	BTEX					
02161	Benzene	71-43-2	1,900.	10.	ug/l	20
02164	Toluene	108-88-3	6,900.	10.	ug/l	20
02166	Ethylbenzene	100-41-4	990.	10.	ug/l	20
02171	Total Xylenes	1330-20-7	5,400.	30.	ug/l	20
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	35.	5.	ug/l	10

State of California Lab Certification No. 2116
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/22/2008 02:08	Marie D John	20
05879	BTEX	SW-846 8020A	1	08/22/2008 02:08	Marie D John	20
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/13/2008 22:41	Michael A Ziegler	10
01146	GC VOA Water Prep	SW-846 5030B	1	08/22/2008 02:08	Marie D John	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/13/2008 22:41	Michael A Ziegler	10

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5438455 **Group No. 1104876**

MID-1-W-080808 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID-1
Collected:08/08/2008 08:25 by MJ

Account Number: 10880

Submitted: 08/12/2008 09:35
Reported: 08/26/2008 at 09:26
Discard: 09/26/2008

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	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	08/21/2008 23:39	Marie D John	1
05879	BTEX	SW-846 8020A	1	08/21/2008 23:39	Marie D John	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/13/2008 23:28	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/21/2008 23:39	Marie D John	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/13/2008 23:28	Michael A Ziegler	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5438456 **Group No. 1104876**

MID-2-W-080808 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID-2
Collected:08/08/2008 08:20 by MJ

Account Number: 10880

Submitted: 08/12/2008 09:35
Reported: 08/26/2008 at 09:26
Discard: 09/26/2008

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	08/22/2008 00:00	Marie D John	1
05879	BTEX	SW-846 8020A	1	08/22/2008 00:00	Marie D John	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/13/2008 23:52	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/22/2008 00:00	Marie D John	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/13/2008 23:52	Michael A Ziegler	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW5438457 **Group No. 1104876**

EFF-W-080808 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 EFF
Collected:08/08/2008 08:15 by MJ

Account Number: 10880

Submitted: 08/12/2008 09:35
Reported: 08/26/2008 at 09:26
Discard: 09/26/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

0260E

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	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	08/22/2008 00:22	Marie D John	1
05879	BTEX	SW-846 8020A	1	08/22/2008 00:22	Marie D John	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/14/2008 01:06	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/22/2008 00:22	Marie D John	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/14/2008 01:06	Michael A Ziegler	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: 1104876
Reported: 08/26/08 at 09:26 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: 08234A53A	Sample number(s): 5438454-5438457							
TPH-GRO - Waters	N.D.	50.	ug/l	132	132	75-135	0	30
Benzene	N.D.	0.5	ug/l	115	110	86-119	5	30
Toluene	N.D.	0.5	ug/l	110	104	82-119	6	30
Ethylbenzene	N.D.	0.5	ug/l	109	103	81-119	6	30
Total Xylenes	N.D.	1.5	ug/l	110	104	82-120	6	30
Batch number: D082263AA	Sample number(s): 5438454-5438457							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94		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: 08234A53A	Sample number(s): 5438454-5438457 UNSPK: 5438455, 5438456								
TPH-GRO - Waters	137		63-154						
Benzene	121		78-131						
Toluene	115		78-129						
Ethylbenzene	113		75-133						
Total Xylenes	115		84-131						
Batch number: D082263AA	Sample number(s): 5438454-5438457 UNSPK: 5438456								
Methyl Tertiary Butyl Ether	89	91	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: 08234A53A

	Trifluorotoluene-F	Trifluorotoluene-P
5438454	63	72
5438455	66	70
5438456	66	70
5438457	66	70
Blank	65	69
LCS	74	72

*- 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: 1104876
Reported: 08/26/08 at 09:26 AM

Surrogate Quality Control

LCSD	74	71
MS	73	73
Limits:	63-135	69-129

Analysis Name: MTBE by GC/MS (water)
Batch number: D082263AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5438454	82	87	85	94
5438455	81	84	81	87
5438456	82	85	81	90
5438457	81	83	80	87
Blank	81	84	81	89
LCS	80	83	80	91
MS	82	87	81	94
MSD	82	87	82	94
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

For Lancaster Laboratories use only
Acct. #: 10880 Group #: 1104876 Sample #: 5438454-57

SCR#:

Facility #: 9-0260
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:

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	Preservation Codes
INF	W		NA	08/08/08	08:30	No	X		6	X	X					X	VOAs with HCl
MID-1	W		NA	08/08/08	08:25	No	X		6	X	X					X	VOAS with HCl
MID-2	W		NA	08/08/08	08:20	No	X		6	X	X					X	VOAS with HCl
EFF	W		NA	08/08/08	08:15	No	X		6	X	X					X	VOAs with HCl

Analyses Requested

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

	Date	Time		Date	Time
Relinquished by: Mark Johnson			Received by:		
Relinquished by:	8-11-08	1608	Received by: 958734001997		
Relinquished by:			Received by:		
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	8-12-08	0935
Temperature Upon Receipt 2.8-5.5°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.