CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

January 10, 2008

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

Re: **Monthly Discharge Report – December 2007**
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 Matthew Lundberg at (510) 420-3346 or Casey Sanders at (916) 677-3407.

Sincerely,
Conestoga-Rovers & Associates

Casey Sanders

Enclosure: Monthly Discharge Report – December 2007

cc: Ms. Olivia Skance, Environmental Management Company, 6001 Bollinger Canyon Road, San Ramon, CA 94583

CONESTOGA-ROVERS
& ASSOCIATES

MONTHLY DISCHARGE REPORT – DECEMBER 2007

Reporting Period Data Summary

Compliance Sampling Frequency	Monthly
Initial Totalizer Reading	117,400 gallons
Final Totalizer Reading	170,809 gallons
Discharged Volume	53,409 gallons
Average Discharge Flow Rate	1.69 gallons per minute
Maximum Discharge Flow Rate	1.83 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\December 07\December 07 Monthly Discharge Report.doc

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

	Influent			Midfluent 1			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)	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	7.3
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	6.5
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	7.3
10/25/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.3
12/05/07	**46,000**	**2,400**	**42**	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	NS
12/18/07	**31,000**	**1,800**	**37**	< 50	**0.9**	< 0.5	< 50	< 0.5	< 0.5	7.8

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

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
			Total Extracted Volume (gal):		170,598	Pounds Removed:		57.251	Pounds Removed:		2.871	Pounds Removed:		0.059
			Average Operational Flow Rate (gpm):		0.64	Gallons Removed:		9.399	Gallons Removed:		0.391	Gallons Removed:		0.009

Reporting Period:		Cumulative Totals: 1/18/2007 through 6/6/2007	
Number of Days during Reporting Perioc	91 days	Number Days since Startup	176 days
Gallons of Extracted Ground Water	126,509 gal	Cumulative Total Gallons Extracted	170,598 gal
Average Flow Rate	0.97 gpm	Cumulative Average Flow Rate	0.67 gpm
Pounds of TPHg Removed	34.726 lbs	Cumulative Pounds of TPHg Removed	57.251 lbs
Pounds of Benzene Removed	1.8278 lbs	Cumulative Pounds of Benzene Removed	2.8706 lbs
Pounds of MTBE Removed	3.448E-02 lbs	Cumulative Pounds of MTBE Removed	5.861E-02 lbs

Abbreviations & Notes:

TPHg = Total petroleum hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
Conc. = Concentration
µg/L = Microgram per liter
L = Liter
gal = Gallon

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

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

	Influent			Midfluent 1			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)	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	7.3
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	6.5
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	7.3
10/25/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.3
12/05/07	**46,000**	**2,400**	**42**	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	NS
12/18/07	**31,000**	**1,800**	**37**	< 50	**0.9**	< 0.5	< 50	< 0.5	< 0.5	7.8

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

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 1068945. Samples arrived at the laboratory on Saturday, December 08, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description	Lancaster Labs Number
INF-W-071205 Grab Water	5232287
MID-W-071205 Grab Water	5232288
EFF-W-071205 Grab Water	5232289

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Matthew Lundberg
ELECTRONIC COPY TO	Chevron	Attn: C Sanders

Lancaster Laboratories

Analysis Report

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

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

Respectfully Submitted,

Susan M Goshert

Susan M. Goshert
Group Leader

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. WW 5232287

INF-W-071205 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 INF
Collected:12/05/2007 14:55 by MJ

Account Number: 10880

Submitted: 12/08/2007 10:00
Reported: 12/19/2007 at 19:18
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHIN
I 5E w

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.	46,000.	2,500.	ug/l	50
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	2,400.	25.	ug/l	50
02164	Toluene	108-88-3	7,500.	25.	ug/l	50
02166	Ethylbenzene	100-41-4	920.	25.	ug/l	50
02171	Total Xylenes	1330-20-7	4,800.	75.	ug/l	50
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	42.	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	12/11/2007 14:46	Steven A Skiles	50
05879	BTEX	SW-846 8020A	1	12/11/2007 14:46	Steven A Skiles	50
02309	MTBE by GC/MS (water)	SW-846 8260B	1	12/18/2007 02:38	Michael A Ziegler	10
01146	GC VOA Water Prep	SW-846 5030B	1	12/11/2007 14:46	Steven A Skiles	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/18/2007 02:38	Michael A Ziegler	10

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5232288

MID-W-071205 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID
Collected:12/05/2007 14:50 by MJ

Account Number: 10880

Submitted: 12/08/2007 10:00
Reported: 12/19/2007 at 19:18
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHMD
I 5E w

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
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
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.

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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	12/11/2007 15:15	Steven A Skiles	1
05879	BTEX	SW-846 8020A	1	12/11/2007 15:15	Steven A Skiles	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	12/18/2007 03:24	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/11/2007 15:15	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/18/2007 03:24	Michael A Ziegler	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5232289

EFF-W-071205 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 EFF
Collected:12/05/2007 14:45 by MJ

Account Number: 10880

Submitted: 12/08/2007 10:00
Reported: 12/19/2007 at 19:18
Discard: 01/19/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FBHEF
I 5E w

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
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
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	12/11/2007 15:45	Steven A Skiles	1
05879	BTEX	SW-846 8020A	1	12/11/2007 15:45	Steven A Skiles	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	12/18/2007 03:47	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/11/2007 15:45	Steven A Skiles	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/18/2007 03:47	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: 1068945
Reported: 12/19/07 at 07:18 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: 07346A07A	Sample number(s): 5232287-5232289							
TPH-GRO - Waters	N.D.	50.	ug/l	130	124	75-135	4	30
Benzene	N.D.	0.5	ug/l	99	97	86-119	2	30
Toluene	N.D.	0.5	ug/l	105	102	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/l	99	97	81-119	2	30
Total Xylenes	N.D.	1.5	ug/l	98	97	82-120	2	30
Batch number: D073514AA	Sample number(s): 5232287-5232289							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	92		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: 07346A07A	Sample number(s): 5232287-5232289 UNSPK: P229207, P229208								
TPH-GRO - Waters	134		63-154						
Benzene	105		78-131						
Toluene	106		78-129						
Ethylbenzene	104		75-133						
Total Xylenes	102		84-131						
Batch number: D073514AA	Sample number(s): 5232287-5232289 UNSPK: 5232289								
Methyl Tertiary Butyl Ether	90	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: 07346A07A

	Trifluorotoluene-P	Trifluorotoluene-F
5232287	113	117
5232288	112	115
5232289	113	117
Blank	114	117
LCS	113	121
LCSD	113	122

*- 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: 1068945
Reported: 12/19/07 at 07:18 PM

Surrogate Quality Control

MS	113	122		
Limits:	69-129	63-135		

Analysis Name: MTBE by GC/MS (water)
Batch number: D073514AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5232287	80	87	97	95
5232288	83	90	96	93
5232289	84	92	94	93
Blank	84	94	98	93
LCS	82	91	96	96
MS	84	93	97	98
MSD	82	90	95	95
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 R gion Analysis Request/Chain of C stody

Lancaster Laboratories

120707 - 01

Acct. #: 10880 | For Lancaster Laboratories use only Group #: 1068945 Sample #: 523228789

SCR#:

Facility #: 9-0260 M1L

Site Address: 21995 Foothill Blvd, Hayward, California

Chevron PM: Satya Sinha Lead Consultant: Conestoga-Rovers& Associates

Consultant/Office: CRA 5900 Hollis St., Ste A, Emeryville, CA 94608

Consultant Prj. Mgr.: Charlotte Evans

Consultant Phone #: 510-420-3351 Fax #: 510-420-9170

Sampler: MARK JOHNSON

Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

Field Point Name	Matrix	Repeat Sample	Top Depth	Year Month Day	Time Collected	New Field Pt.	Grab	Composite	Total Number of Containers	BTEX by 8020	TPHg by 8015	Cyanide (EPA 335.4)	pH (EPA 150.1)	13 Priority Pollutant Metals (EPA 200)	(An, At, Be, Ca, Ch, Cu, Pb, M, Ni, Se, Si, Th, Z)	Total Phenols (EPA 420.1)	MTBE by 8260B
INF	W		NA	2007 / 12 / 5	2:55	No	X		6	X	X						X
MID	W		NA	2007 / 12 / 5	2:50	No	X		6	X	X						X
EFF	W		NA	2007 / 12 / 5	2:45	No	X		6	X	X						X

Preservative Codes

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

☐ Must meet lowest detection limits possible for 8260 compounds

Comments / Remarks

Email results to:

mlundberg@craworld.com and cevans@craworld.com

csanders@craworld.com

email edf to:

chevronedf@craworld.com

VOAs with HCl

VOAS with HCl

VOAs with HCl

Turnaround Time Requested (TAT) (please circle)

24 hour 72 hour 48 hour
STD 4 day 5 day

Data Package Options (please circle if required)

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

Relinquished by:	Date	Time	Received by:	Date	Time
Mark Johnson	12/6/07	16:50	Leanne Lockhow	12/5/07	16:50
	12/6/07	1705		12/6/07	4:05
	12/6/07	4:30		12/6/07	1630
Commercial Carrier: UPS FedEx Other	12/7	1530			

Temperature Upon Receipt 0.9-3.0 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

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 1070863. Samples arrived at the laboratory on Friday, December 21, 2007. The PO# for this group is 0015014975 and the release number is SKANCE.

Client Description	Lancaster Labs Number
INF-W-071218 Grab Water	5243458
MID-W-071218 Grab Water	5243459
EFF-W-071218 Grab Water	5243460

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Matthew Lundberg
ELECTRONIC COPY TO	Chevron	Attn: C Sanders

Lancaster Laboratories

Analysis Report

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

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

Respectfully Submitted,

Valerie L. Tomayko
Group Leader

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. WW 5243458

INF-W-071218 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 INF
Collected:12/18/2007 12:25 by MJ

Account Number: 10880

Submitted: 12/21/2007 11:00
Reported: 01/02/2008 at 11:09
Discard: 02/02/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FTBIN
I 5E w

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.	31,000.	1,000.	ug/l	20
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	1,800.	10.	ug/l	20
02164	Toluene	108-88-3	5,100.	10.	ug/l	20
02166	Ethylbenzene	100-41-4	900.	10.	ug/l	20
02171	Total Xylenes	1330-20-7	4,400.	30.	ug/l	20
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	37.	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	12/27/2007 03:13	Martha L Seidel	20
05879	BTEX	SW-846 8020A	1	12/27/2007 03:13	Martha L Seidel	20
02309	MTBE by GC/MS (water)	SW-846 8260B	1	12/29/2007 04:07	Michael A Ziegler	10
01146	GC VOA Water Prep	SW-846 5030B	1	12/27/2007 03:13	Martha L Seidel	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/29/2007 04:07	Michael A Ziegler	10

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5243459

MID-W-071218 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID
Collected:12/18/2007 12:20 by MJ

Account Number: 10880

Submitted: 12/21/2007 11:00
Reported: 01/02/2008 at 11:09
Discard: 02/02/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FTBMD
I 5E w

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
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05879	BTEX					
02161	Benzene	71-43-2	0.9	0.5	ug/l	1
02164	Toluene	108-88-3	3.3	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	0.6	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	2.6	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	12/27/2007 11:11	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	12/27/2007 11:11	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	12/29/2007 04:31	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/27/2007 11:11	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/29/2007 04:31	Michael A Ziegler	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5243460

EFF-W-071218 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 EFF
Collected:12/18/2007 12:15 by MJ

Account Number: 10880

Submitted: 12/21/2007 11:00
Reported: 01/02/2008 at 11:09
Discard: 02/02/2008

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

FTBEF
I 5E w

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
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
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	12/27/2007 03:56	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	12/27/2007 03:56	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	12/29/2007 04:55	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/27/2007 03:56	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/29/2007 04:55	Michael A Ziegler	1