Chevron

Satya Sinha
Project Manger
Marketing Business Unit

Chevron Environmental Management Company
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-9876
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Mr. Jeff Carson
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

September 10, 2007

Subject: Former Chevron Service Station #9-0260
21995 Foothill Blvd
Hayward, California
Permit No. 007-03

Dear Mr. Carson:

During the current reporting period, the groundwater treatment and extraction system at the site referenced below 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 upon my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

Satya Sinha
Project Manager

CONESTOGA-ROVERS
& ASSOCIATES

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

September 10, 2007

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

Re: **Monthly Discharge Report – August 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 Dan Lescure at (510) 420-3306.

Sincerely,
Conestoga-Rovers & Associates

Dan Lescure, PE

Enclosure: Monthly Discharge Report – August 2007

cc: Mr. Satya Sinha, ChevronTexaco Corporation, P.O. Box 6012, San Ramon, CA 94583

CONESTOGA-ROVERS
& ASSOCIATES

MONTHLY DISCHARGE REPORT – AUGUST 2007

Reporting Period Data Summary

Compliance Sampling Frequency	Monthly
Initial Totalizer Reading	9,422 gallons
Final Totalizer Reading	24,810 gallons
Discharged Volume	15,388 gallons
Average Discharge Flow Rate	0.32 gallons per minute
Maximum Discharge Flow Rate	2.36 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\August 07\August 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	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	2000	92	NA	NA	NA	< 50	< 0.5	< 0.5	7.17
07/17/07	42,000	1700	57	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.1
07/26/07	57,000	1800	51.0	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	NA
08/17/07	65,000	2800	74.0	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.2
08/22/07	44,000	2100	56.0	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.3

Abbreviations & Notes:

Conc. = Concentration
µg/L = Micrograms per liter
NA = Not analyzed
TPHg = Total purgeable hydrocarbons as gasoline, analyzed by EPA Method 8015B
pH analyzed by SM4500H+B
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	34000	0.000	0.000	2000	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	42000	2.563	2.563	1700	0.104	0.104	57	0.003	0.003
07/26/07	5.0	9,422	1,898	10.54	9,211	57000	0.903	3.466	1800	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	65000	1.844	6.660	2800	0.079	0.262	74	0.002	0.008
08/22/07	NA	18,700	3,200	0.44	18,489	44000	1.175	7.835	2100	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	NS	0.738	10.079	NS	0.035	0.425	NS	0.001	0.012
			Total Extracted Volume (gal):		**24,599**	**Pounds Removed:**		**10.079**	**Pounds Removed:**		**0.425**	**Pounds Removed:**		**0.012**
			Average Operational Flow Rate (gpm):		**0.40**	**Gallons Removed:**		**1.655**	**Gallons Removed:**		**0.058**	**Gallons Removed:**		**0.002**

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
Mass removed based on the formula: volume extracted (gal) x Concentration (g/L) x (g/10^6µg) 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) (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	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	7.1
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	7.2
08/22/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.3
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 by SM4500H+B
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

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 1048994. Samples arrived at the laboratory on Saturday, July 28, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description			Lancaster Labs Number
INF-W-070726	Grab	Water	5114390
MID-W-070726	Grab	Water	5114391
EFF-W-070726	Grab	Water	5114392

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Matthew Lundberg

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,

Martha L. Seidel
Senior Chemist

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW 5114390

INF-W-070726 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 INF
Collected:07/26/2007 11:00 by MJ

Account Number: 10880

Submitted: 07/28/2007 10:00
Reported: 08/09/2007 at 17:01
Discard: 09/09/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAYIN

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	57,000.	5,000.	ug/l	100
	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.	50.	ug/l	100
02164	Toluene	108-88-3	7,200.	50.	ug/l	100
02166	Ethylbenzene	100-41-4	1,600.	50.	ug/l	100
02171	Total Xylenes	1330-20-7	7,000.	150.	ug/l	100
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	51.	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	07/30/2007 19:15	Martha L Seidel	100
05879	BTEX	SW-846 8020A	1	07/30/2007 19:15	Martha L Seidel	100
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/06/2007 01:19	Michael A Ziegler	10
01146	GC VOA Water Prep	SW-846 5030B	1	07/30/2007 19:15	Martha L Seidel	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/06/2007 01:19	Michael A Ziegler	10

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Analysis Report

Lancaster Laboratories Sample No. WW 5114391

MID-W-070726 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID
Collected:07/26/2007 10:55 by MJ

Account Number: 10880

Submitted: 07/28/2007 10:00
Reported: 08/09/2007 at 17:01
Discard: 09/09/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAYMD

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	07/30/2007 18:08	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	07/30/2007 18:08	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/06/2007 02:04	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	2	07/30/2007 18:08	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/06/2007 02:04	Michael A Ziegler	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5114392

EFF-W-070726 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 EFF
Collected:07/26/2007 10:50 by MJ

Account Number: 10880

Submitted: 07/28/2007 10:00
Reported: 08/09/2007 at 17:01
Discard: 09/09/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HAYEF

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	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	07/30/2007 11:21	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	07/30/2007 11:21	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/07/2007 07:50	Anita M Dale	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/30/2007 11:21	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/07/2007 07:50	Anita M Dale	1

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Analysis Report

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1048994
Reported: 08/09/07 at 05:02 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: 07210A51B	Sample number(s): 5114390-5114392							
TPH-GRO - Waters	N.D.	50.	ug/l	116	123	75-135	6	30
Benzene	N.D.	0.5	ug/l	94	93	86-119	0	30
Toluene	N.D.	0.5	ug/l	93	93	82-119	0	30
Ethylbenzene	N.D.	0.5	ug/l	93	93	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	95	95	82-120	1	30
Batch number: D072174AA	Sample number(s): 5114390-5114391							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	96		73-119		
Batch number: Z072192AA	Sample number(s): 5114392							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	109		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: 07210A51B	Sample number(s): 5114390-5114392 UNSPK: 5114391, P114407								
TPH-GRO - Waters	124		63-154						
Benzene	102		78-131						
Toluene	102		78-129						
Ethylbenzene	104		75-133						
Total Xylenes	104		84-131						
Batch number: D072174AA	Sample number(s): 5114390-5114391 UNSPK: P114407								
Methyl Tertiary Butyl Ether	98	94	69-127	3	30				
Batch number: Z072192AA	Sample number(s): 5114392 UNSPK: P116939								
Methyl Tertiary Butyl Ether	114	113	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: 07210A51B

	Trifluorotoluene-F	Trifluorotoluene-P

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1048994
Reported: 08/09/07 at 05:02 PM

Surrogate Quality Control

5114390	119	117
5114391	120	116
5114392	122	116
Blank	121	117
LCS	119	117
LCSD	121	117
MS	119	116
Limits:	63-135	69-129

Analysis Name: MTBE by GC/MS (water)
Batch number: D072174AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5114390	100	90	101	107
5114391	104	95	94	95
Blank	103	95	94	94
LCS	100	93	95	110
MS	100	91	94	109
MSD	103	93	95	111
Limits:	80-116	77-113	80-113	78-113

Analysis Name: MTBE by GC/MS (water)
Batch number: Z072192AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5114392	104	103	102	99
Blank	103	103	100	98
LCS	103	106	101	100
MS	103	104	101	100
MSD	104	106	102	101
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 background result was more than four times the spike added.

Chevron California R(ion Analysis Request/Chain of C tody

Lancaster Laboratories

072607-07

For Lancaster Laboratories use only
Acct. #: 10990 Group # 1048994 Sample #: 5114390-92

SCR#: _____

Facility #: 9-0260
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: _____ 11100 mg

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:
mlundberg@craworld.com and cevans@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	07/07/26	11:00	No	X		6	X	X					X					VOAs with HCl
MID	W		NA	07/07/26	10:55	No	X		6	X	X					X					VOAS with HCl
EFF	W		NA	07/07/26	10:50	No	X		6	X	X					X					VOAs with HCl

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

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Mark Johnson	7/26/07	1430	Ryan Messenger	7/26/07	1430
2	Ryan Messenger	7/26/07	1515		7/26/07	1515
3		7/27/07	1530	DHC	7/27/07	1530
	Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date	Time
	Temperature Upon Receipt 1.9-21 C°			Custody Seals Intact? Yes No		

3460 Rev. 11/10/05

Lancaster Laboratories, Inc., 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 (717) 656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client.

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

ppb parts per billion

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

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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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 1052168. Samples arrived at the laboratory on Saturday, August 18, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description			Lancaster Labs Number
INF-W-070817	Grab	Water	5132188
MID-W-070817	Grab	Water	5132189
EFF-W-070817	Grab	Water	5132190

ELECTRONIC COPY TO CRA Attn: Charlotte Evans

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

Respectfully Submitted,

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5132188

INF-W-070817 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 INF
Collected:08/17/2007 15:40 by PR

Account Number: 10880

Submitted: 08/18/2007 10:20
Reported: 08/21/2007 at 16:48
Discard: 09/21/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

INF17

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.	65,000.	5,000.	ug/l	100
	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	2,800.	50.	ug/l	100
02164	Toluene	108-88-3	10,000.	50.	ug/l	100
02166	Ethylbenzene	100-41-4	1,500.	50.	ug/l	100
02171	Total Xylenes	1330-20-7	7,000.	150.	ug/l	100
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	74.	10.	ug/l	20
	The value reported for methyl tertiary butyl ether is an estimated maximum possible concentration due to interference from a non-target compound.					

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	08/21/2007 04:18	Martha L Seidel	100
05879	BTEX	SW-846 8020A	1	08/21/2007 04:18	Martha L Seidel	100
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/20/2007 20:56	Michael A Ziegler	20
01146	GC VOA Water Prep	SW-846 5030B	3	08/21/2007 04:18	Martha L Seidel	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/20/2007 20:56	Michael A Ziegler	20

Lancaster Laboratories Sample No. WW 5132188

INF-W-070817 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 INF
Collected:08/17/2007 15:40 by PR

Account Number: 10880

Submitted: 08/18/2007 10:20
Reported: 08/21/2007 at 16:48
Discard: 09/21/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

INF17

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5132189

MID-W-070817 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 MID
Collected:08/17/2007 15:35 by PR

Account Number: 10880

Submitted: 08/18/2007 10:20
Reported: 08/21/2007 at 16:48
Discard: 09/21/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MID17

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	08/20/2007 17:51	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	08/20/2007 17:51	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/20/2007 21:20	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/20/2007 17:51	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/20/2007 21:20	Michael A Ziegler	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5132190

EFF-W-070817 Grab Water
Facility# 90260 CETE
21995 Foothill-Hayward T0600100315 EFF
Collected:08/17/2007 15:30 by PR

Account Number: 10880

Submitted: 08/18/2007 10:20
Reported: 08/21/2007 at 16:48
Discard: 09/21/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

EFF17

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	08/20/2007 18:24	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	08/20/2007 18:24	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/20/2007 21:44	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/20/2007 18:24	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/20/2007 21:44	Michael A Ziegler	1

Quality Control Summary

Client Name: ChevronTexaco
Reported: 08/21/07 at 04:48 PM

Group Number: 1052168

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: 07231A51B	Sample number(s): 5132188-5132190							
TPH-GRO - Waters	N.D.	50.	ug/l	114	123	75-135	7	30
Benzene	N.D.	0.5	ug/l	99	101	86-119	2	30
Toluene	N.D.	0.5	ug/l	99	97	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	100	97	82-120	3	30
Batch number: Z072323AA	Sample number(s): 5132188-5132190							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	99		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: 07231A51B	Sample number(s): 5132188-5132190 UNSPK: 5132189, 5132190								
TPH-GRO - Waters	137		63-154						
Benzene	104		78-131						
Toluene	110		78-129						
Ethylbenzene	106		75-133						
Total Xylenes	108		84-131						
Batch number: Z072323AA	Sample number(s): 5132188-5132190 UNSPK: P126122								
Methyl Tertiary Butyl Ether	103	111	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: 07231A51B

	Trifluorotoluene-F	Trifluorotoluene-P
5132188	119	115
5132189	119	115
5132190	119	116
Blank	120	115
LCS	116	116
LCSD	117	115

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1052168
Reported: 08/21/07 at 04:48 PM

Surrogate Quality Control

MS	120	116		
Limits:	63-135	69-129		

Analysis Name: MTBE by GC/MS (water)
Batch number: Z072323AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5132188	94	87	93	92
5132189	96	87	92	92
5132190	96	88	92	91
Blank	93	88	92	93
LCS	92	91	93	92
MS	100	92	92	93
MSD	98	90	93	93
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 background 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 # 1052168 Sample #: 5132188-90

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: PAUL RASMUSSEN
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:
mlundberg@craworld.com and cevans@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	2007/ 8 /17	340	No	X		6	X	X						X					VOAs with HCl
MID	W		NA	2007/ 8 /17	335	No	X		6	X	X						X					VOAS with HCl
EFF	W		NA	2007 8 /17	330	No	X		6	X	X						X					VOAs with HCl

Turnaround Time Requested (TAT) (please circle)

[redacted]	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
1	[signature]	8/17/07	415	FEDEX		
2						
3						
4	Relinquished by Commercial Carrier: UPS FedEx X Other			Received by: Katie Hartloe	8/18/07	10:20
	Temperature Upon Receipt 1.6 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
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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

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

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 1052852. Samples arrived at the laboratory on Thursday, August 23, 2007. The PO# for this group is 0015014975 and the release number is SINHA.

Client Description	Lancaster Labs Number
INF-W-070822 Grab Water	5136066
MID-W-070822 Grab Water	5136067
EFF-W-070822 Grab Water	5136068

ELECTRONIC COPY TO	CRA	Attn: Charlotte Evans
ELECTRONIC COPY TO	CRA	Attn: Matthew Lundberg

Lancaster Laboratories

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Analysis Report

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

Respectfully Submitted,

Susan M. Goshert
Group Leader

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5136066

INF-W-070822 Grab Water
Facility# 90260 CETE
21995 Foothill Blv-Hayward T0600100315 INF
Collected:08/22/2007 08:20 by PR

Account Number: 10880

Submitted: 08/23/2007 11:20
Reported: 08/27/2007 at 09:55
Discard: 09/27/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HWINF

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.	44,000.	5,000.	ug/l	100
	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. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.					
05879	BTEX					
02161	Benzene	71-43-2	2,100.	50.	ug/l	100
02164	Toluene	108-88-3	7,900.	50.	ug/l	100
02166	Ethylbenzene	100-41-4	1,500.	50.	ug/l	100
02171	Total Xylenes	1330-20-7	7,500.	150.	ug/l	100
	The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.					
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	56.	10.	ug/l	20

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

Lancaster Laboratories Sample No. WW 5136066

INF-W-070822 Grab Water
Facility# 90260 CETE
21995 Foothill Blv-Hayward T0600100315 INF
Collected:08/22/2007 08:20 by PR

Account Number: 10880

Submitted: 08/23/2007 11:20
Reported: 08/27/2007 at 09:55
Discard: 09/27/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HWINF

01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/23/2007 21:34	Martha L Seidel	100
05879	BTEX	SW-846 8020A	1	08/23/2007 21:34	Martha L Seidel	100
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/24/2007 02:08	Michael A Ziegler	20
01146	GC VOA Water Prep	SW-846 5030B	1	08/23/2007 21:34	Martha L Seidel	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2007 02:08	Michael A Ziegler	20

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5136067

MID-W-070822 Grab Water
Facility# 90260 CETE
21995 Foothill Blv-Hayward T0600100315 MID
Collected:08/22/2007 08:15 by PR

Account Number: 10880

Submitted: 08/23/2007 11:20
Reported: 08/27/2007 at 09:55
Discard: 09/27/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HWMID

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

Lancaster Laboratories Sample No. WW 5136067

MID-W-070822 Grab Water
Facility# 90260 CETE
21995 Foothill Blv-Hayward T0600100315 MID
Collected:08/22/2007 08:15 by PR

Account Number: 10880

Submitted: 08/23/2007 11:20
Reported: 08/27/2007 at 09:55
Discard: 09/27/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HWMID						
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/23/2007 21:54	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	08/23/2007 21:54	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/24/2007 02:31	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/23/2007 21:54	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2007 02:31	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

Lancaster Laboratories Sample No. WW 5136068

EFF-W-070822 Grab Water
Facility# 90260 CETE
21995 Foothill Blv-Hayward T0600100315 EFF
Collected:08/22/2007 08:10 by PR

Account Number: 10880

Submitted: 08/23/2007 11:20
Reported: 08/27/2007 at 09:55
Discard: 09/27/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HWEFF

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

Lancaster Laboratories Sample No. WW 5136068

EFF-W-070822 Grab Water
Facility# 90260 CETE
21995 Foothill Blv-Hayward T0600100315 EFF
Collected:08/22/2007 08:10 by PR

Account Number: 10880

Submitted: 08/23/2007 11:20
Reported: 08/27/2007 at 09:55
Discard: 09/27/2007

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HWEFF

01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/23/2007 22:15	Martha L Seidel	1
05879	BTEX	SW-846 8020A	1	08/23/2007 22:15	Martha L Seidel	1
02309	MTBE by GC/MS (water)	SW-846 8260B	1	08/24/2007 02:54	Michael A Ziegler	1
01146	GC VOA Water Prep	SW-846 5030B	1	08/23/2007 22:15	Martha L Seidel	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/24/2007 02:54	Michael A Ziegler	1

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1052852
Reported: 08/27/07 at 09:55 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: 07235A54A	Sample number(s): 5136066-5136068							
TPH-GRO - Waters	N.D.	50.	ug/l	108	106	75-135	2	30
Benzene	N.D.	0.5	ug/l	101	98	86-119	3	30
Toluene	N.D.	0.5	ug/l	101	98	82-119	3	30
Ethylbenzene	N.D.	0.5	ug/l	101	97	81-119	3	30
Total Xylenes	N.D.	1.5	ug/l	103	100	82-120	3	30
Batch number: D072354AA	Sample number(s): 5136066-5136068							
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	90		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: 07235A54A	Sample number(s): 5136066-5136068 UNSPK: P132269, P132270								
TPH-GRO - Waters	109		63-154						
Benzene	98		78-131						
Toluene	98		78-129						
Ethylbenzene	98		75-133						
Total Xylenes	101		84-131						
Batch number: D072354AA	Sample number(s): 5136066-5136068 UNSPK: P131255								
Methyl Tertiary Butyl Ether	60*	107	69-127	33*	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: 07235A54A

	Trifluorotoluene-F	Trifluorotoluene-P
5136066	80	92
5136067	84	93
5136068	83	92
Blank	82	93
LCS	91	92
LCSD	90	91

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Quality Control Summary

Client Name: ChevronTexaco
Group Number: 1052852
Reported: 08/27/07 at 09:55 AM

Surrogate Quality Control

MS	98	93		
Limits:	63-135	69-129		

Analysis Name: MTBE by GC/MS (water)
Batch number: D072354AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5136066	90	89	95	97
5136067	99	94	97	95
5136068	98	96	95	92
Blank	96	94	93	91
LCS	94	93	92	98
MS	96	94	94	99
MSD	96	93	93	99
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 background 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 # 105252 Sample #: 5136066-68

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: PAUL RASMUSSEN

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:
mlundberg@craworld.com and cevans@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	07/08/22	820	No	X		6	X	X						X					VOAs with HCl
MID	W		NA	07/08/22	815	No	X		6	X	X						X					VOAS with HCl
EFF	W		NA	07/08/22	810	No	X		6	X	X						X					VOAs with HCl

Turnaround Time Requested (TAT) (please circle)

24 hour	72 hour	48 hour
STD	4 day	5 day

Data Package Options (please circle if required)

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

	Date	Time		Date	Time
Relinquished by:	8/22/7	0900	Received by: FED EX		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by Commercial Carrier: UPS FedEx Other			Received by:	Date 8/23/22	Time 1130
Temperature Upon Receipt 2-5 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.