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10:43 am, Jun 07, 2010

Alameda County Environmental Health Satya Sinha Project Manger Marketing Business Unit Chevron Environmental Management Company 6001 Bollinger Canyon Road San Ramon, CA 94583 Tel (925) 842-9876 Fax (925) 842-8370 satyasinha@chevron.com

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



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



MONTHLY DISCHARGE REPORT – AUGUST 2007

Reporting Period Data Summary

Compliance Sampling Frequency Monthly

Initial Totalizer Reading 9,422 gallons

Final Totalizer Reading

Discharged Volume

24,810 gallons

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

Conestoga-Rovers & Associates (CRA) prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to CRA from outside sources and/or in the public domain, and partially on information supplied by CRA and its subcontractors. CRA makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by CRA. This document represents the best professional judgment of CRA. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.

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			
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)	pН
34 000	2000	92	NA	NA	NA NA	< 50	< 0.5	< 0.5	7.17
,				< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.1
, ,			< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	NA
1				< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.2
44,000	2100	56.0	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.3
	Conc. (µg/L) 34,000 42,000 57,000 65,000	Conc. Conc. (μg/L) (μg/L) 34,000 2000 42,000 1700 57,000 1800 65,000 2800	TPHg Benzene MTBE Conc. Conc. Conc. (μg/L) (μg/L) (μg/L) 34,000 2000 92 42,000 1700 57 57,000 1800 51.0 65,000 2800 74.0	TPHg Benzene MTBE TPHg Conc. Conc. Conc. Conc. (μg/L) (μg/L) (μg/L) (μg/L) 34,000 2000 92 NA 42,000 1700 57 < 50	TPHg Benzene MTBE TPHg Benzene Conc. Conc. Conc. Conc. Conc. (μg/L) (μg/L) (μg/L) (μg/L) (μg/L) 34,000 2000 92 NA NA 42,000 1700 57 < 50	TPHg Benzene MTBE TPHg Benzene MTBE Conc. Conc. Conc. Conc. Conc. Conc. (µg/L) (µg/L) (µg/L) (µg/L) (µg/L) (µg/L) 34,000 2000 92 NA NA NA 42,000 1700 57 < 50	TPHg Benzene Conc. MTBE Conc. TPHg Benzene Conc. MTBE Conc. TPHg Conc. Conc.	TPHg Benzene MTBE TPHg Benzene MTBE TPHg Benzene Conc. Conc.	TPHg Benzene MTBE TPHg Benzene MTBE TPHg Benzene MTBE Conc. Conc.

Abbreviations & Notes:

Conc. = Concentration

 $\mu g/L = Micrograms per liter$

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)	Cumulative Removal (pounds)	Benzene Conc. (µg/L)	Benzene Period Removal (pounds)	Cumulative Removal (pounds)	MTBE Conc. (μg/L)	MTBE Period Removal (pounds)	Cumulative Removal (pounds)
						34000	0.000	0.000	2000	0.000	0.000	92	0.000	0.000
06/25/07	0.0	211	0	0.00	0	34000		0.000	NS NS	0.000	0.000	NS	0.000	0.000
07/16/07	0.0	211	0	0.00	0	NS	0.000		1700	0.104	0.104	57	0.003	0.003
07/17/07 a	2.0	7,524	7,313	4.51	7,313	42000	2.563	2.563				51	0.001	0.004
07/26/07	5.0	9,422	1,898	10.54	9,211	57000	0.903	3.466	1800	0.029	0.132	1		
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
ĺ	NA.	22,800	4,100	1.42	22,589	NS	1,505	9.341	NS	0.072	0.389	NS	0.002	0.011
08/24/07 08/29/07	NA NA	24,810	2,010	0.28	24,599	NS	0.738	10.079	NS	0.035	0.425	NS	0.001	0.012
		To	tal Extracte	ed Volume (gal):	24,599	Pounds Rem	noved:	10.079	Pounds Rem	oved:	0.425	Pounds Rem	oved:	0.012
				low Rate (gpm):		Gallons Ren	noved:	1.655	Gallons Rem	oved:	0.058	Gallons Ren	ioved:	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 µg) 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.

When constituents are not detected, the concentration is assumed to be equal to that the concentration is destricted to be equal to the concentration of the concentration is destricted to be equal to the concentration of the concentration o

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< td=""></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



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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 INF-W-070726 MID-W-070726 EFF-W-070726	Grab Grab Grab	Water Water Water	<u>Lancaster Labs Number</u> 5114390 5114391 5114392
ELECTRONIC COPY TO ELECTRONIC COPY TO	CRA CRA		Attn: Charlotte Evans Attn: Matthew Lundberg



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

Respectfully Submitted,

Martha L. Seldel Senior Chemist



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Lancaster Laboratories Sample No. 5114390

INF-W-070726

Grab

Water

CETE

Facility# 90260

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 The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does not rior to the C6	57,000. t include MTBE or (n-hexane) TPH-G	5,000. other RO range	ug/l	100
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 Ch	ronicle
---------------	---------

			Analysis		Dilution
Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
TPH-GRO - Waters		1	07/30/2007 19:15	Martha L Seidel	100
BTEX	SW-846 8020A	. 1	07/30/2007 19:15	Martha L Seidel	100
MTBE by GC/MS (water)	SW-846 8260B	1	08/06/2007 01:19	Michael A Ziegler	10
GC VOA Water Prep	SW-846 5030B	1	07/30/2007 19:15	Martha L Seidel	100
GC/MS VOA Water Prep	SW-846 5030B	1	08/06/2007 01:19	Michael A Ziegler	10
	TPH-GRO - Waters BTEX MTBE by GC/MS (water) GC VOA Water Prep	TPH-GRO - Waters TPH GRO SW-846 8015B mod BTEX MTBE by GC/MS (water) GC VOA Water Prep TPH GRO SW-846 8015B SW-846 8260B SW-846 5030B	TPH-GRO - Waters TPH GRO SW-846 8015B 1 mod BTEX SW-846 8020A 1 MTBE by GC/MS (water) SW-846 8260B 1 GC VOA Water Prep SW-846 5030B 1	Analysis Name Method Trial# Date and Time TPH-GRO - Waters TPH GRO SW-846 8015B 1 07/30/2007 19:15 mod BTEX SW-846 8020A 1 07/30/2007 19:15 mod MTBE by GC/MS (water) SW-846 8260B 1 08/06/2007 01:19 mod GC VOA Water Prep SW-846 5030B 1 07/30/2007 19:15 mod	Analysis Name Method Trial# Date and Time Analyst TPH-GRO - Waters TPH GRO SW-846 8015B 1 07/30/2007 19:15 Martha L Seidel mod BTEX SW-846 8020A 1 07/30/2007 19:15 Martha L Seidel MTBE by GC/MS (water) SW-846 8260B 1 08/06/2007 01:19 Michael A Ziegler GC VOA Water Prep SW-846 5030B 1 07/30/2007 19:15 Martha L Seidel



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5114391 Lancaster Laboratories Sample No.

MID-W-070726

Grab

Water

Facility# 90260

T0600100315 MID

21995 Foothill-Hayward

CETE

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

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does no rior to the C6	N.D. t include MTBE o (n-hexane) TPH-0	50. r other GRO range	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			Analysis				
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	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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5114392 Lancaster Laboratories Sample No.

EFF-W-070726

Grab

Water

Facility# 90260

21995 Foothill-Hayward

T0600100315 EFF by MJ

Collected: 07/26/2007 10:50

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

Discard: 09/09/2007

ChevronTexaco

CETE

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

Account Number: 10880

HAYEF

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does no rior to the C6	N.D. t include MTBE o (n-hexane) TPH-	50. r other GRO range	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/1	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	Laboratory Chronicle					
CAT		_		Analysis		Dilution		
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	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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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

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 07210A51B TPH-GRO - Waters	Sample nu	mber(s): 5	5114390-51 ug/l	14392 116	123	75-135	6	30
Benzene Toluene	N.D. N.D.	0.5	ug/l ug/l	94 93	93 93	86-119 82-119	0	30 30
Ethylbenzene	N.D.	0.5	ug/l ug/l	93 95	93 - 95	81-119 82-120	0	30 30
Total Xylenes	N.D.		-		· 33	02 120	-	30
Batch number: D072174AA Methyl Tertiary Butyl Ether	N.D.	0.5	5114390-51 ug/l	96		73-119		
Batch number: Z072192AA Methyl Tertiary Butyl Ether	Sample nu N.D.	mber(s): ! 0.5	5114392 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 <u>%REC</u>	MSD <u>%REC</u>	MS/MSD <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 07210A51B TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes	Sample 1 124 102 102 104 104	number(s)	: 5114390- 63-154 78-131 78-129 75-133 84-131	-511439	2 UNSPK	: 5114391,	P114407		
Batch number: D072174AA Methyl Tertiary Butyl Ether	Sample: 98	number(s) 94	: 5114390- 69-127	-511439 3	1 UNSPK 30	C: P114407			
Batch number: Z072192AA Methyl Tertiary Butyl Ether	Sample:	number(s) 113	: 5114392 69-127	UNSPK:	P11693 30	19			

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

(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.

^{*-} Outside of specification



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Quality Control Summary

	me: ChevronTexaco 08/09/07 at 05:02 Pi		coup Number: 1048994	
Reported:	08/09/07 at 03:02 F		ality 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 Na	me: MTBE by GC/MS (water)			
Batch numbe	r: D072174AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5114390	100	90	101	107
5114391	104	95	9,4	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
	me: MTBE by GC/MS (water)			
Batch numbe	r: Z072192AA		- J	4 B
:	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 Raion Analysis Request/Chain of Catody

Lanca	aster ratories			0726	71 × 6	.		Acc	t. #:	105	38	0		Grou	o #_i	0	નકુ	२५	4	es us _Sam	se or	#: <u>57/14:</u>		2
T, Labor	utor ic.	,		0126	7 (1							A	mal	/ses	Re	ques	sted				SCR#:		
Facility #: 9-0260							Π						_ [res	erva	tion	Co	des		_			ative Code	
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3460 Rev. 11/10/05

Yes No

Custody Seas Intact?

Temperature Upon Receipt 1-9-31 C°

WIP (RWQCB)

Disk

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)
meg	millieguivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	ĭ	liter(s)
mi	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 <u>limit of quantitation</u>, 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

Inorganic Qualifiers

A B C D	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation<="" control="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" within="" ≥idl=""></crdl,>
J	Estimated value	U	Compound was not detected
Ň	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		
X,Y,Z	Defined in case narrative		

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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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

Duran M. Goshert

Group Leader



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Page 1 of 2

Lancaster Laboratories Sample No. WW 5132188

INF-W-070817

Grab

Water

Facility# 90260

T0600100315 INF

CETE

21995 Foothill-Hayward

T0600100315 by PR

Account Number: 10880

Collected:08/17/2007 15:40

0/10/0007 10 00

 ${\tt ChevronTexaco}$

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

6001 Bollinger Canyon Rd L4310

Discard: 09/21/2007

San Ramon CA 94583

As Received

INF17

				As keceived		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time.	n.a. PH-GRO does no rior to the C6	65,000. t include MTBE o (n-hexane) TPH-	5,000. r other GRO range	ug/l	100
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 The value reported for methyl t possible concentration due to i				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

			Analysis		Dilution
Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
TPH-GRO - Waters		1	08/21/2007 04:18	Martha L Seidel	100
BTEX	SW-846 8020A	1	08/21/2007 04:18	Martha L Seidel	100
	SW-846 8260B	1	08/20/2007 20:56	Michael A Ziegler	20
GC VOA Water Prep	SW-846 5030B	3	08/21/2007 04:18	Martha L Seidel	100
GC/MS VOA Water Prep	SW-846 5030B	1	08/20/2007 20:56	Michael A Ziegler	20
	TPH-GRO - Waters BTEX MTBE by GC/MS (water) GC VOA Water Prep	TPH-GRO - Waters TPH GRO SW-846 8015B mod BTEX SW-846 8020A MTBE by GC/MS (water) SW-846 8260B GC VOA Water Prep SW-846 5030B	TPH-GRO - Waters TPH GRO SW-846 8015B 1 mod BTEX SW-846 8020A 1 MTBE by GC/MS (water) SW-846 8260B 1 GC VOA Water Prep SW-846 5030B 3	Analysis Name Method Trial# Date and Time TPH-GRO - Waters TPH GRO SW-846 8015B 1 08/21/2007 04:18 mod BTEX SW-846 8020A 1 08/21/2007 04:18 mod MTBE by GC/MS (water) SW-846 8260B 1 08/20/2007 20:56 mod GC VOA Water Prep SW-846 5030B 3 08/21/2007 04:18 mod	Analysis Name Method Trial# Date and Time Analyst TPH-GRO - Waters TPH GRO SW-846 8015B 1 08/21/2007 04:18 Martha L Seidel mod BTEX SW-846 8020A 1 08/21/2007 04:18 Martha L Seidel MTBE by GC/MS (water) SW-846 8260B 1 08/20/2007 20:56 Michael A Ziegler GC VOA Water Prep SW-846 5030B 3 08/21/2007 04:18 Martha L Seidel



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Page 2 of 2

Lancaster Laboratories Sample No. 5132188

INF-W-070817

Grab

Water

Facility# 90260

T0600100315 INF

CETE

21995 Foothill-Hayward Collected: 08/17/2007 15:40

by PR

Submitted: 08/18/2007 10:20

Reported: 08/21/2007 at 16:48

Discard: 09/21/2007

Account Number: 10880

ChevronTexaco 6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

INF17



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Page 1 of 1

Lancaster Laboratories Sample No. 5132189

MID-W-070817

Grab

Water

Facility# 90260

T0600100315 MID

21995 Foothill-Hayward

CETE

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

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of T gasoline constituents eluting p 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				Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	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



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Page 1 of 1

Lancaster Laboratories Sample No. 5132190

EFF-W-070817

Grab

Water

Facility# 90260

T0600100315 EFF

21995 Foothill-Hayward

by PR

CETE

Collected: 08/17/2007 15:30

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

Discard: 09/21/2007

Account Number: 10880

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

EFF17

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of T gasoline constituents eluting p 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

			Analysis		Dilution
Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	08/20/2007 18:24	Martha L Seidel	1
BTEX .	SW-846 8020A	1	08/20/2007 18:24	Martha L Seidel	1
MTBE by GC/MS (water)	SW-846 8260B	1	08/20/2007 21:44	Michael A Ziegler	1.
GC VOA Water Prep	SW-846 5030B	1	08/20/2007 18:24	Martha L Seidel	1
GC/MS VOA Water Prep	SW-846 5030B	1	08/20/2007 21:44	Michael A Ziegler	1
	TPH-GRO - Waters BTEX MTBE by GC/MS (water) GC VOA Water Prep	TPH-GRO - Waters TPH GRO SW-846 8015B mod BTEX SW-846 8020A MTBE by GC/MS (water) SW-846 8260B GC VOA Water Prep SW-846 5030B	TPH-GRO - Waters TPH GRO SW-846 8015B 1 mod BTEX SW-846 8020A 1 MTBE by GC/MS (water) SW-846 8260B 1 GC VOA Water Prep SW-846 5030B 1	Analysis Name Method Trial# Date and Time TPH-GRO - Waters TPH GRO SW-846 8015B 1 08/20/2007 18:24 mod BTEX SW-846 8020A 1 08/20/2007 18:24 mod MTBE by GC/MS (water) SW-846 8260B 1 08/20/2007 21:44 mod GC VOA Water Prep SW-846 5030B 1 08/20/2007 18:24 mod	Analysis Name Method Trial# Date and Time Analyst TPH-GRO - Waters TPH GRO SW-846 8015B 1 08/20/2007 18:24 Martha L Seidel BTEX SW-846 8020A 1 08/20/2007 18:24 Martha L Seidel MTBE by GC/MS (water) SW-846 8260B 1 08/20/2007 21:44 Michael A Ziegler GC VOA Water Prep SW-846 5030B 1 08/20/2007 18:24 Martha L Seidel



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Page 1 of 2

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 1052168

Reported: 08/21/07 at 04:48 PM

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS <u>%REC</u>	LCSD %REC	LCS/LCSD <u>Limits</u>	RPD	RPD Max
Batch number: 07231A51B TPH-GRO - Waters Benzene Toluene Ethylbenzene Total Xylenes	Sample nu N.D. N.D. N.D. N.D. N.D.	imber(s): 50. 0.5 0.5 1.5	5132188-51 ug/l ug/l ug/l ug/l ug/l	32190 114 99 99 99 100	123 101 97 97 97	75-135 86-119 82-119 81-119 82-120	7 2 2 2 3	30 30 30 30 30
Batch number: Z072323AA Methyl Tertiary Butyl Ether	Sample nu N.D.	umber(s): 0.5	5132188-51 ug/1	32190 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 <u>%REC</u>	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP <u>Conc</u>	DUP <u>RPD</u>	Dup RPD Max
Batch number: 07231A51B TPH-GRO - Waters Benzene Toluene Ethylbenzene	Sample 137 104 110 106	number(s): 5132188 63-154 78-131 78-129 75-133	3-51321:	90 UNSP	PK: 5132189	, 5132190		
Total Xylenes	108		84-131						
Batch number: Z072323AA Methyl Tertiary Butyl Ether	Sample 103	number(s): 5132188 69-127	3-51321 2	90 UNSF -30	PK: P126122			

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.

Analys	sis	Name:	TPH-GRO	-	Waters
Batch	nur	mber:	07231A51	В	
		η.	rifluorot	^l	uene - F

Davon name	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.



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Page 2 of 2

Quality Control Summary

Group Number: 1052168

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

Surrogate Quality Control

MS	120	116		
Limits:	63-135	69-129		
	Name: MTBE by GC/MS (water) 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



Acct. #: 1880 For Lancaster Laboratories use only Group # 1052168 Sample #: 5132188-90

T. Labore	201100	,									Г			- 4	hal	yses	Re	ques	ed			SCR#:	 -	
Facility #: 9-0260 M1	L							Γ				ı		[res	erva	tion	Cod	es			•	tive Cod	es ,
Site Address: 21995 F					· · · · · · · · · · · · · · · · · · ·						\vdash		-			(Z.)						H = HCI N = HNO ₃ S = H ₂ SO ₄	T = Thios B = NaO	H
Chevron PM: Satya S							ates			ers					(200	Si, Th,						☐ Must meet lov		
Consultant/Office: CR					e, CA 9460	<u>08</u>				Containers					(EPA	Ni, Se,	1)			-		possible for 8	260 compo	
Consultant Prj. Mgr.: (S					etals	Pb, M, I	Fotal Phenols (EPA 420.1)		ŀ			Comments / Re Email results to		
	Consultant Phone #: <u>510-420-3351</u> Fax #: <u>510-420-9170</u>							Total Number of	ı		35.4)		oH (EPA-150.1) 13 Prointy Pollutant Metals (EPA 200)		EPA	g				mlundberg@cr		m and		
Sampler:	RASM	1055E1							site	q E	820	8015	Cyanide (EPA 335.4)	pH (EPA-150.1)	Pollut	Ca,	ools (8260B				cevans@crawo	rld.com	_
Service Order #: Field		I Danie de		n SAR:		T = -	1	۾ ا	Composite	ž	ě	TPHg by 8015	B	PA-1	olrity	r, Be,	l Phe	MTBE by				email edf to: chevronedf@cr	eworld co	um.
Point Name	Matrix	Repeat Sample	Top Depth	Year M	lonth Day	Time Collected	New Field Pt.	Grab	ပ်	ţŏ	BTEX by 8020	涯	S _a	표	13 Pr	(An, Ar, Be, Ca, (Tota	MTE				Cherroneunger	awond.co	<u>::11</u>
INF	w					340	No	X		6	Х	Х						Х				VOAs with Ho	C1	
MID	W				8/17		No	X	1	6	<u>x</u>							\mathbf{x}	_			VOAS with H	Cl	
<u>EFF</u>	W_		NA	2007	8/11	330	No	X		6	X	X						Х				VOAs with I	<u>ICI</u>	_
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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.

3460 Rev. 11/10/05

Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
С	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 <u>limit of quantitation</u>, 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.

Inorganic Qualifiers

- 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:

X,Y,Z

Organic Qualifiers

Defined in case narrative

Value is <CRDL, but ≥IDL TIC is a possible aldol-condensation product В Α Analyte was also detected in the blank Ε Estimated due to interference В C Pesticide result confirmed by GC/MS M Duplicate injection precision not met Spike amount not within control limits D Compound quatitated on a diluted sample N Method of standard additions (MSA) used Concentration exceeds the calibration range of S Ε for calculation the instrument U Compound was not detected Estimated value Post digestion spike out of control limits W Presumptive evidence of a compound (TICs only) Duplicate analysis not within control limits Concentration difference between primary and P Correlation coefficient for MSA < 0.995 confirmation columns >25% Compound was not detected

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.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.



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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 CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Charlotte Evans

Attn: Matthew Lundberg



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

Respectfully Submitted,

Susan M. Goshert

Duran M Goshert

Group Leader



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Page 1 of 2

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

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

Discard: 09/27/2007

Account Number: 10880

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

As Received

HWINF

CAT No.	Analysis Name	CAS Number	As Received Result	Method Detection	Units	Dilution Factor
				Limit		
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	44,000.	5,000.	ug/l	100
	The reported concentration of Ti gasoline constituents eluting postart time.	PH-GRO does no rior to the C6	t include MTBE or (n-hexane) TPH-G	other RO range		
	The vial submitted for volatile	analysis did	not have a pH < 2	at the time		
	of analysis. Due to the volati		_			
	appropriate for the laboratory		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					
	of analysis. Due to the volati					
	appropriate for the laboratory		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

Analysis



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Page 2 of 2

5136066 Lancaster Laboratories Sample No. WW

INF-W-070822 Grab Water Facility# 90260 CETE

21995 Foothill Blv-Hayward T0600100315 INF

Collected: 08/22/2007 08:20

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	1	08/23/2007 21:34	Martha L Seidel	100
		mod				
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 Pren	SW-846 5030B	1	08/24/2007 02:08	Michael A Ziegler	20



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Page 1 of 2

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

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

Discard: 09/27/2007

Account Number: 10880

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

As Received

HWMID

CAT

No.

CAT			As Received	Method		Dilution				
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	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 of analysis. Due to the volati appropriate for the laboratory receipt. The pH of this sample	le nature of t to adjust the	he analytes, it i	s not						
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

Analysis

Analysis Name Method

Trial# Date and Time

Analyst

Dilution Factor



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Page 2 of 2

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	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



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Page 1 of 2

5136068 Lancaster Laboratories Sample No.

EFF-W-070822 Grab Water Facility# 90260 CETE

21995 Foothill Blv-Hayward T0600100315 EFF

Collected: 08/22/2007 08:10

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

Discard: 09/27/2007

Account Number: 10880

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

As Received

HWEFF

CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters The reported concentration of T gasoline constituents eluting p start time. The vial submitted for volatile of analysis. Due to the volati appropriate for the laboratory receipt. The pH of this sample	rior to the C6 analysis did le nature of t to adjust the	(n-hexane) TPH- G not have a pH < 2 he analytes, it is	ERO range 2 at the time is not	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
	The vial submitted for volatile of analysis. Due to the volati appropriate for the laboratory receipt. The pH of this sample	le nature of t to adjust the	he analytes, it :	is not		
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 Analysis Name No.

Method

Analysis Trial# Date and Time

Analyst

Dilution Factor



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Page 2 of 2

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	1	08/23/2007 22:15	Martha L Seidel	1
		mod				
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



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Page 1 of 2

Quality Control Summary

Client Name: ChevronTexaco

Reported: 08/27/07 at 09:55 AM

Group Number: 1052852

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 <u>Result</u>	Blank <u>MDL</u>	Report <u>Units</u>	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 07235A54A	Sample n	umber(s):	5136066-51	36068				
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 n	umber(s):	5136066-51	36068				
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 <u>Limits</u>	RPD	RPD <u>MAX</u>	BKG Conc	DUP <u>Conc</u>	DUP RPD	Dup RPD <u>Max</u>
Batch number: 07235A54A	Sample	number(s		-51360	68 UNSP	K: P132269	, P132270		
TPH-GRO - Waters	109		63-154						
Benzene	98		78-131						
Toluene	98		78-129						
Ethylbenzene	98		75-133					1	
Total Xylenes	101		84-131						
Batch number: D072354AA	Sample	number(s): 5136066	-51360	68 UNSP	K: 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 numb	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.



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Page 2 of 2

Quality Control Summary

Group Number: 1052852

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

Surrogate Quality Control

		Durroguee &	darrely compress	
MS	98	93		
Limits:	63-135	69-129		
	Name: MTBE by GC/MS (water) ber: 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

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Point Name INF	W	Sample			108/22		No.	X		6	X	-						Х					VOAs with He	CI	
MID	w				108 122	815	No	Х		6	Х	X						Х					VOAS with H	<u>Cl</u>	
EFF	w		NA	07	108122	810	No	X	_	6	X	X						X				<u> </u>	VOAs with I	<u>-ICl</u>	
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Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D. TNTC IU umhos/cm C Cal meq g ug	none detected Too Numerous To Count International Units micromhos/cm degrees Celsius (diet) calories milliequivalents gram(s) microgram(s) milliliter(s)	BMQL MPN CP Units NTU F Ib. kg mg I	Below Minimum Quantitation Level Most Probable Number cobalt-chloroplatinate units nephelometric turbidity units degrees Fahrenheit pound(s) kilogram(s) milligram(s) liter(s) 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 <u>limit of quantitation</u>, 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

Inorganic Qualifiers

A B C D E	TIC is a possible aldol-condensation product Analyte was also detected in the blank Pesticide result confirmed by GC/MS Compound quatitated on a diluted sample Concentration exceeds the calibration range of the instrument Estimated value	B E M N S	Value is <crdl, (msa)="" additions="" amount="" but="" calculation="" compound="" control="" detected<="" due="" duplicate="" estimated="" for="" injection="" interference="" limits="" met="" method="" not="" of="" precision="" spike="" standard="" th="" to="" used="" was="" within="" ≥idl=""></crdl,>
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N	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
Р	Concentration difference between primary and	*	Duplicate analysis not within control limits
	confirmation columns >25%	+	Correlation coefficient for MSA < 0.995
U	Compound was not detected		
X,Y,Z	Defined in case narrative		

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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