

RECEIVED

10:52 am, Jun 07, 2010

Alameda County Environmental Health **Olivia Skance** Project Manager Marketing Business Unit Chevron Environmental Management Company 6001 Bollinger Canyon Road San Ramon, CA 94583 Tel (925) 842-5005 Fax (925) 842-8370

March 6, 2008

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

Subject: Former Chevron Service Station No. 9-0260

21995 Foothill Boulevard

Hayward, CA Permit No. 007-03

Dear Mr. Carson:

During the current reporting period, the groundwater treatment and extraction system at the site referenced above operated in compliance with the conditions specified in the Oro Sanitary District Wastewater Discharge Permit No. 007-03.

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

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

Sincerely,

Olivia Skance Project Manager



5900 Hollis Street, Suite A, Emeryville, California 94608 Telephone: 510·420·0700 Facsimile: 510·420·9170

www.CRAworld.com

March 10, 2008

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

Re:

Monthly Discharge Report - February 2008

Former Chevron Service Station #9-0260 21995 Foothill Blvd

Hayward, California Permit No. 007-03

Dear Mr. Carson:

Conestoga-Rovers & Associates (CRA) prepared this document on behalf of Chevron Environmental Management Company (Chevron), in accordance with the requirements of the wastewater discharge permit. During the current reporting period, the remediation system at the subject site operated in compliance with the conditions specified in the wastewater discharge permit.

If you have any questions regarding the contents of this document, please call Jeff Schrupp at (510) 420-3362 or Casey Sanders at (916) 677-3407 x118.

Sincerely,

Conestoga-Rovers & Associates

l'asus Sandar Casey Sanders

Enclosure:

Monthly Discharge Report – February 2008

cc:

Ms. Olivia Skance, Chevron Environmental Management Company, 6001

Bollinger Canyon Road, San Ramon, CA 94583



MONTHLY DISCHARGE REPORT – FEBRUARY 2008

Reporting Period Data Summary

Compliance Sampling Frequency

Monthly

Initial Totalizer Reading

268,200 gallons

Final Totalizer Reading

346, 091 gallons

Discharged Volume

77,891 gallons

Average Discharge Flow Rate

2.08 gallons per minute

Maximum Discharge Flow Rate

3.87 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\February 08\February 08 Monthly Discharge Report.doc

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

		Influent			Midfluent 1			Effluent			
Sample Date (mm/dd/yy)	TPHg Conc. (μg/L)	Benzene Conc. (µg/L)	MtBE Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	MtBE Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	MtBE Conc. (μg/L)	μΉ	
06/25/07	34,000	2,000	92	NA	NA ·	NA	< 50	< 0.5	< 0.5	7.17	
07/17/07	42,000	1,700	57	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.1	
07/26/07	57,000	1,800	51	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	NA	
08/17/07	65,000	2,800	74	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.2	
08/22/07	44,000	2,100	56	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.3	
08/29/07	43,000	2,000	53	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	6.89	
09/26/07	42,000	1,800	33	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	6.5	
10/04/07	34,000	1,500	40	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.92	
10/08/07	45,000	2,400	45	150	4.1	< 0.5	< 50	< 0.5	< 0.5	7.36	
10/19/07	42,000	2,300	38	< 50	1.2	< 0.5	< 50	< 0.5	< 0.5	7.3	
10/25/07	ŃS	NS	NS	NS	NS	NS	NS	NS .	NS	7.3	
12/05/07	46,000	2,400	42	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	NS	
12/06/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.5	
12/18/07	31,000	1,800	37	< 50	0.9	< 0.5	< 50	< 0.5	< 0.5	7.8	
01/03/08	41,000	2,400	35	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.03	
01/18/08	36,000	1,000	35	< 50	< 0.5	0.5	< 50	< 0.5	< 0.5	7.8	
02/07/08	65,000	2,400	21	720	29	2	< 50	< 0.5	< 0.5	6.65	
02/14/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.67	

Abbreviations & Notes:

Conc. = Concentration

 $\mu g/L = Micrograms per liter$

NA = Not analyzed

NS = Not sampled

TPHg = Total purgeable hydrocarbons as gasoline, analyzed by EPA Method 8015B

pH analyzed onsite with multimeter

Benzene analyzed by EPA Method 8020

MtBE = Methyl-tertiary butyl ether, analyzed by EPA Method 8260B

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

				Period	T.		TPHg			Benzene			MTBE	
Site	Hour	Flow Meter	Period	Operational	Cumulative	TPHg	Period	Cumulative	Benzene	Period	Cumulative	MTBE	Period	Cumulativ
Visit	Meter	Reading	Volume	Flow Rate	Volume	Conc.	Removal	Removal	Conc.	Removal	Removal	Conc.	Removal	Removal
(mm/dd/yy)	(hours)	(gal)	(gal)	(gpm)	(gal)	(μg/L)	(pounds)	(pounds)	(μg/L)	(pounds)	(pounds)	(μg/L)	(pounds)	(pounds)
								<u> </u>						
06/25/07	0:0	211	0	0.00	0	34,000	0.000	0,000	2,000	0.000	0.000	92	0.000	0.000
07/16/07	0.0	211	0	0.00	0	NS	0.000	0.000	NS	0.000	0.000	NS	0.000	0.000
07/17/07 a	2.0	7,524	7,313	4.51	7,313	42,000	2.563	2.563	1,700	0.104	0.104	57	0.003	0.003
07/26/07	5.0	9,422	1,898	10.54	9,211	57,000	0,903	3.466	1,800	0.029	0.132	51	0.001	0.004
08/03/07	ΝA	10,947	1,525	0.13	10,736	NS	0.725	4.191	NS	0.023	.0.155	NS	0.001	0.005
08/16/07	NA	12,100	1,153	0.06	11,889	NS	0.625	4.816	NS	0.027	0.182	NS	0.001	0.006
08/17/07	NA	15,500	3,400	2.36	15,289	65,000	1.844	6.660	2,800	0.079	0.262	74	0.002	0.008
08/22/07	NA	18,700	3,200	0.44	18,489	44,000	1.175	7.835	2,100	0.056	0.318	56	0.001	0,009
08/24/07	NA	22,800	4,100	1.42	22,589	NS	1.505	9.341	NS	0.072	0.389	NS	0.002	0.011
08/29/07	NA	24,810	2,010	0.28	24,599	43,000	0.721	10.062	2,000	0.034	0.423	53	0.001	0.012
09/18/07	NA	26,700	1,890	0.07	26,489	NS.	0.662	10.724	NS	0.028	0.451	NS	0.001	0.013
09/21/07	NA	29,900	3,200	0.74	29,689	NS	1.121	11.846	NS	0.048	0.499	NS	0.001	0.013
09/26/07	NA	39,700	9,800	1,36	39,489	42,000	3.435	15.280	1,800	0.147	0.647	33	0.003	0.016
09/27/07	NA	44,300	4,600	3.19	44,089	NS	1.612	16.892	NS	0.069	0.716	NS	0.001	0.017
10/04/07	NA	65,765	21,465	2.13	65,554	34,000	6.090	22.982	1,500	0.269	0.984	40	0.007	0.025
10/08/07	NA	73,526	7,761	1.35	73,315	45,000	2.914	25.896	2,400	0.155	1.140	45	0.003	0.027
10/19/07	NA.	97,500	23,974	1.51	97,289	42,000	8.402	34.298	2,300	0.460	1.600	38	0.008	0.035
10/25/07 b	NA	117,400	19,900	-2.30	117,189	NS	6.974	41.273	· NS	0.382	1.982	NS	0.006	0.041
12/05/07 b	2.0	119,284	1,884	0.03	119,073	46,000	0.723	41.996	2,400	0.038	2.020	42	0.001	0.042
12/06/07	22.3	121,500	2,216	1.54	121,289	NS	0.851	42.846	NS	0.044	2.064	NS	0.001	0.043
12/11/07	141.8	134,679	13,179	1.83	134,468	NS	5.058	47.905	NS	0.264	2.328	NS	0.005	0.047
12/11/07	304.9	149,033	14,355	1.42	148,822	31,000	3.713	51,618	1,800	0.216	2.543	37	0.004	0.052
12/18/07	518.7	170,809	21,776	1.68	170,598	NS	5.633	57,251	NS	0.327	2.871	NS	0.007	0.059
01/02/08	648.5	183,000	12,191	1.41	182,789	NS	4,171	61.422	NS	0.244	3.115	NS	0.004	0.062
01/02/08	666.7	185,361	2,361	1.64	185,150	41,000	0.808	62,229	2,400	0.047	3.162	35	0.001	0.063
01/03/08	690.4	189,800	4,439	0.44	189,589	NS	1.519	63.748	NS	0.089	3,251	NS	0.001	0.064
01/10/08	718.3	197,700	7,900	5.49	197,489	NS	2.703	66.451	NS	0.158	3.409	NS	0.002	0.066
	882.8	233,945	36,245	3.60	233,734	36,000	10.888	77.339	1,000	0.302	3.712	35	0.011	0,077
01/18/08	1061.7	268,200	34,255	1.98	267,989	NS	10.290	87.629	NS	0.286	3.997	NS	0.010	0.087
01/30/08	1233.7	312,800	44,600	3.87	312,589	65,000	24.190	111.819	2,400	0.893	4.891	21	0,008	0.095
02/07/08 02/14/08 b	1233.7	312,800	28,972	2.87	341,561	NS	15.714	127.533	NS	0.580	5.471	NS	0.005	0.100
02/14/00/0	1000.0			cted Volume (gal):	341,561	Pounds Removed:		127.533	Pounds Removed:		5.471	Pounds Rem	oved:	0.100
				I Flow Rate (gpm):	1.01	Gallons Removed:		20.937	Gallons Removed:		0.745	Gallons Rem	oved:	0.016

Abbreviations & Notes:

TPHg = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tertiary butyl ether

Conc. = Concentration

 μ g/L = Microgram per liter

L = Liter

gal = Gallon

gpm = Gallon per minute

g = Gram

NS = not sampled

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

NA = not analyzed

a = hour meter was reset after running for 25 hours after installation of new programmable logic controller

b = System shut down for carbon changeout.

Mass removed based on the formula: volume extracted (gal) x Concentration ($\mu g/L$) x ($g/1 \mu g$) x (pound/453.6g) x (3.785 L/gal)

When constituents are not detected, the concentration is assumed to be equal to half the detection limit in subsequent calculations.

Volume removal data based on the formula: mass (pounds) x (density)(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	100		
Sample	TPHg	Benzene	Toluene	Ethlybenzene	Xylenes	pН
Date	Conc.	Conc.	Conc.	Conc.	Conc.	
	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(μg/L)	·
06/25/07	< 50	< 0.5	< 0.5	< 0.5	< 0.5	7.17
07/17/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.10
07/26/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	NA
08/17/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.20
08/22/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.30
08/29/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	6.89
09/26/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	6.50
10/04/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.92
10/08/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.36
10/19/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.30
12/05/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	NA
12/06/07	NA	NA	NA	NA	NA	7.50
12/18/07	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.80
01/03/08	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.03
01/17/08	< 50	< 0.5	< 0.5	< 0.5	<1.5	7.80
02/07/08	< 50	< 0.5	< 0.5	< 0.5	<1.5	6.65
02/14/08	NA	NA	NA_	NA NA	NA	6.67
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 onsite with multimeter

TPHg = Total purgeable hydrocarbons as gasoline, analyzed by EPA Method 8015B

BTEX analyzed by EPA Method 8020

MTBE = Methyl tertiary butyl ether, analyzed by EPA Method 8260B

ATTACHMENT A

Laboratory Analytical Reports



2425 New Holland Pike, PO Box 12425, Lancaster, PA 17805-2425 •717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

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 1076644. Samples arrived at the laboratory on Friday, February 08, 2008. The PO# for this group is 0015014975 and the release number is SKANCE.

Client Description	Lancaster Labs Number
INF-W-080207 Grab Water	5275464
MID-W-080207 Grab Water	5275465
EFF-W-080207 Grab Water	5275466

ELECTRONIC CRA
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ELECTRONIC CRA
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ELECTRONIC Chevron COPY TO

Attn: Charlotte Evans

Attn: Jeff Schrupp

Attn: C Sanders



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

Respectfully Submitted,

Christine Dulaney Senior Specialist



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Page 1 of 1

Lancaster Laboratories Sample No. WW5275464

Group No. 1076644

INF-W-080207 Grab Water Facility# 90260 CETE

21995 Foothill-Hayward T0600100315 INF Collected:02/07/2008 11:40 by VH

Submitted: 02/08/2008 09:50

Reported: 02/15/2008 at 14:23

Discard: 03/17/2008

Account Number: 10880

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

FHINF

				As Received		
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection Limit	Units	Factor
01729	TPH-GRO - Waters					
* +4. ·				•		
01730	TPH-GRO - Waters	n.a.	65,000.	1,300.	ug/l	25
	The reported concentration of gasoline constituents eluting start time.					
05879	BTEX					
02161	Benzene	71-43-2	2,400.	13.	ug/l	25
02164	Toluene	108-88-3	9,500.	13.	ug/l	25
02166	Ethylbenzene	100-41-4	1,000.	13.	ug/l	25
02171	Total Xylenes	1330-20-7	7,200.	38.	ug/l	25
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	21.	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	and the state of t			Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	02/13/2008 07:14	Linda C Pape	25
05879	BTEX	SW-846 8020A	1	02/13/2008 07:14	Linda C Pape	25
02309	MTBE by GC/MS (water)	SW-846 8260B	1	02/11/2008 23:23	Michael A Ziegler	20
01146	GC VOA Water Prep	SW-846 5030B	1	02/13/2008 07:14	Linda C Pape	25
01163	GC/MS VOA Water Prep	SW-846 5030B	· '- 1	02/11/2008 23:23	Michael A Ziegler	20 .



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Page 1 of 1

Lancaster Laboratories Sample No. WW5275465

Group No. 1076644

MID-W-080207 Grab Water Facility# 90260 CETE

21995 Foothill-Hayward T0600100315 MID

Collected: 02/07/2008 11:35

Account Number: 10880

Submitted: 02/08/2008 09:50 Reported: 02/15/2008 at 14:23

Discard: 03/17/2008

ChevronTexaco 6001 Bollinger Canyon Rd L4310

As Received

San Ramon CA 94583

FHMID

				As Received		1
CAT			As Received	Method		Dilution
No.	Analysis Name	CAS Number	Result	Detection	Units	Factor
				Limit		
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	720.	50.	ug/l	1
	The reported concentration of T gasoline constituents eluting p start time.					
05879	BTEX					
02161	Benzene	71-43-2	29.	0.5	ug/l	1
02164	Toluene	108-88-3	110.	0.5	ug/l	1
02166	Ethylbenzene	100-41-4	3.9	0.5	ug/l	1
02171	Total Xylenes	1330-20-7	95.	1.5	ug/l	ì
02309	MTBE by GC/MS (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	2.	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.

			nanora	COLY	CITTO	IITCIE		
CAT						Analysis		Dilution
No.	Analysis Name		Method		Trial#	Date and Time	Analyst	Factor
01729	TPH-GRO - Waters		TPH GRO SW-846 mod	8015B	1	02/13/2008 01:04	Linda C Pape	. 1
05879	BTEX		SW-846 8020A		1	02/13/2008 01:04	Linda C Pape	1
02309	MTBE by GC/MS (water)	SW-846 8260B		1	02/11/2008 23:47	Michael A Ziegler	1
01146	GC VOA Water Prep		SW-846 5030B		1	02/13/2008 01:04	Linda C Pape	1
01163	GC/MS VOA Water Prep		SW-846 5030B		1	02/11/2008 23:47	Michael A Ziegler	1



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Page 1 of 1

Lancaster Laboratories Sample No. WW5275466

Group No. 1076644

EFF-W-080207 Grab Water Facility# 90260 CETE

21995 Foothill-Hayward T0600100315 EFF

Collected: 02/07/2008 11:30

Account Number: 10880

Submitted: 02/08/2008 09:50 Reported: 02/15/2008 at 14:23 Discard: 03/17/2008

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

FHEFF

CAT			As Received	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 gasoline constituents elustrat 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. 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 Eth	er 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	Chro	итсте		· / /
CAT		· · · · · · · · · · · · · · · · · · ·		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01729	TPH-GRO - Waters	TPH GRO SW-846 8015B mod	1	02/13/2008 01:26	Linda C Pape	. 1
05879	BTEX	SW-846 8020A	· 1	02/13/2008 01:26	Linda C Pape	1
023.09	MTBE by GC/MS (water)	SW-846 8260B	1	02/12/2008 00:11	Michael A Ziegler	1.
01146	GC VOA Water Prep	SW-846 5030B	1	02/13/2008 01:26	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1 1	02/12/2008 00:11	Michael A Ziegler	. 1



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Page 1 of 2

Quality Control Summary

Client Name: ChevronTexaco

Reported: 02/15/08 at 02:23 PM

Group Number: 1076644

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 <u>Limits</u>	RPD	RPD Max
Batch number: 08043A53A	Sample n	umber(s):	5275464-52	75466				
TPH-GRO - Waters	N.D.	50.	ug/l	118	122	75-135	3	30
Benzene	N.D.	0.5	ug/l	105	109	86-119	3	30
Toluene	N.D.	0.5	ug/l	108	110	82-119	2	30
Ethylbenzene	N.D.	0.5	ug/1	108	110	81-119	2	3.0
Total Xylenes	N.D.	1.5	ug/l	110	112	82-120	2	30
Batch number: Z080424AA Methyl Tertiary Butyl Ether	Sample no	umber(s): 0.5	5275464-52 ug/l	75466 80	.*	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 MAX	BKG Conc	DUP Conc	DUP <u>RPD</u>	Dup RPD Max
Batch number: 08043A53A	Sample	number(s)	: 5275464	-527546	6 UNSPK	: P275577.	P275578		
TPH-GRO - Waters	139		63-154						
Benzene	93		78-131		••				
Toluene	101		78-129						
Ethylbenzene	97		75-133						
Total Xylenes	98	1.	84-131						
Batch number: Z080424AA	Sample	number(s)	: 5275464	-527546	6 UNSPK	: P275978			
Methyl Tertiary Butyl Ether	75	76	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: 08043A53A
Trifluorotol

	Trifluorotoluene-F	Trifluorotoluene-P
5275464	78	77
5275465	74	75
5275466	78	73
Blank	80	73
LCS	. 80	73
LCSD	82	74

*- Outside of specification

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



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Page 2 of 2

Quality Control Summary

Group Number: 1076644

Client Name: ChevronTexaco Reported: 02/15/08 at 02:23 PM

Surrogate Quality Control

MS	84	72		
Limits:	63-135	69-129	· · · · · · · · · · · · · · · · · · ·	
	Name: MTBE by GC/MS (water) ber: Z080424AA			
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5275464	86	84	109	87
5275465	86	84	109	86
5275466	89	88	106	83
Blank	86	84	108	84
LCS	87	87	106	91
MS	87	87	105	88
MSD	87	87	106	88
Limits:	80-116	77-113	80-113	78-113

^{*-} Outside of specification

⁽¹⁾ The result for one or both determinations was less than five times the LOQ.

⁽²⁾ The unspiked result was more than four times the spike added.

Chevron California Rajion Analysis Request/Chain of Catody





Acct. #: 10880 For Lancaster Laboratories use only
Group # 1076644 Sample #: 5275464-66

Ter Labora	iwi ie:	•		52	07	08	-10								F	naly	/ses	Re	quest	ed			SCR#:		
Facility #: 9-0260 M1L														res	erva	tior	Cod	es		· ·	-		ve Codes		
											<u> </u>	<u> </u>						\dashv			H = HCI N = HNO₃	T = Thic			
Site Address: 21995 Foothill Blvd, Hayward, California															(2'						$N = HNO_3$ $B = NaOH$ $S = H_2SO_4$ $O = Other$				
Chevron PM: Olivia Skance Lead Consultant: Conestoga-Rovers& Associates										ers	ŀ				(00)	Si, Th,						☐ Must meet	owest dete	ction limits	
Consultant/Office: CRA 5900 Hollis St., Ste A, Emeryville, CA 94608										Containers					EPA 3	Ni, Se.	_					possible for	•	ounds	
Consultant Prj. Mgr.: Charlotte Evans										S				* .	tals (Pb, M, 1	420.1		- -	-		Comments / I			
Consultant Phone #: 510-420-3351 Fax #: 510-420-9170										r of			4.		it Me	Cu. P	, A	•					Email results to: ischrupp@craworld.com and		
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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	none detected Too Numerous To Count International Units	BMQL MPN CP Units	Below Minimum Quantitation Level Most Probable Number 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)	1	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.

ppb parts per billion

Dry weightResults 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

Α	TIC is a possible aldol-condensation product	В	Value is <crdl, but="" th="" ≥idl<=""></crdl,>
В	Analyte was also detected in the blank	Έ	Estimated due to interference
C	Pesticide result confirmed by GC/MS	М	Duplicate injection precision not met
D	Compound quatitated on a diluted sample	N	Spike amount not within control limits
Ε	Concentration exceeds the calibration range of	S	Method of standard additions (MSA) used
	the instrument		for calculation
J	Estimated value	U	Compound was not detected
Ň	Presumptive evidence of a compound (TICs only)	W	Post digestion spike out of control limits
P	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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