

GETTLER-RYAN INC.

TRANSMITTAL

January 20, 2003 G-R #386911

TO:

Mr. Robert Foss

Cambria Environmental Technology, Inc.

2680 Bishop Drive, Suite 290

San Ramon, CA 94583

3 Alameda CountyRE:

FEB 0 7 2003

Environmental Hamile

Chevron Service Station

Chevron Products Company

San Ramon, California 94583

#9-2029

CC: Ms. Karen Streich

P.O. Box 6004

890 West MacArthur Blvd.

Oakland, California

FROM:

Deanna L. Harding

Project Coordinator

Gettler-Ryan Inc.

6747 Sierra Court, Suite J Dublin, California 94568

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	January 17, 2003	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 13, 2002

COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to *February 4, 2003*, at which time the final report will be distributed to the following:

cc: Mr. Don Hwang, Alameda County Health Care Services, Dept. of Environmental Health, 1153 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577

Enclosures

trans/9-2029-ks

January 17, 2003 G-R Job #386911

Ms. Karen Streich Chevron Products Company P.O. Box 6004 San Ramon, CA 94583

RE: Fourth Quarter Event of December 13, 2002

Groundwater Monitoring & Sampling Report Chevron Service Station #9-2029 890 West MacArthur Boulevard

Oakland, California

Dear Ms. Streich:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and laboratory analytical report are also attached.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding Project Coordinator

Hagop Kevork P.E. No. C55734

Figure 1: Potentiometric Map

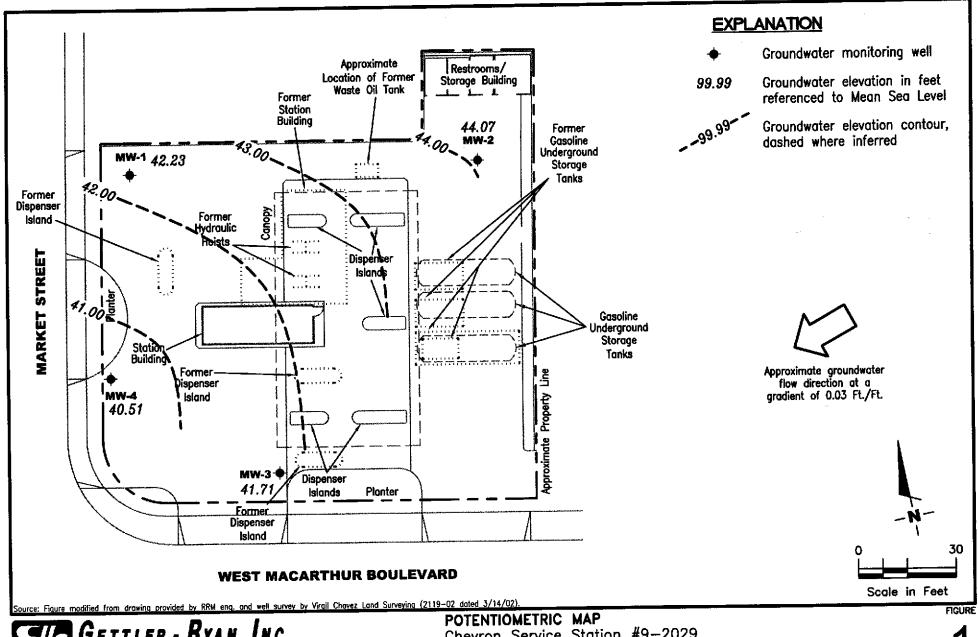
Table 1: Groundwater Monitoring Data and Analytical Results

Table 2: Groundwater Analytical Results – Oxygenate Compounds

Attachments: Standard Operating Procedure - Groundwater Sampling

Field Data Sheets

Chain of Custody Document and Laboratory Analytical Reports



GETTLER - RYAN INC.

6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

POTENTIOMETRIC MAP
Chevron Service Station #9-2029
890 West MacArthur Boulevard
Oakland, California

REVISED DATE

PROJECT NUMBER REVIEWED BY 386911

December 13, 2002

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-2029

hevron Service Station #9-202 890 West MacArthur Blvd. Oakland, California

		TOTAL T	GWE	TPH-G	В	T	E	x	MTBE
WELL ID/	DATE	DTW			(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
OC*(ft.)	· · ·	(ft.)	(msl)	(ppb)	(рро)	(PPU)	(PP27	4.	
MW-1					0.50	-0.50	<0.50	<1.5	<2.5/<22
0.71	03/12/02	6.50	44.21	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
	06/07/02	8.69	42.02	<50	<0.50	<0.50		<1.5 <1.5	<2.5/<2 ²
	09/13/02	9.28	41.43	<50	<0.50	<0.50	<0.50	<1.5 <1.5	<2.5/<2 ²
	12/13/02	8.48	42.23	<50	<0.50	<0.50	<0.50	<1.5	2.31
4W-2									a = 10 ²
2.57	03/12/021	6.09	46.48	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5/3 ²
2. 10.	06/07/02	8.65	43.92	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5/<22
	09/13/02	9.58	42.99	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5/<22
	12/13/02	8.50	44.07	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2 ²
MW-3									700 V 60 ²
50.31	03/12/021	6.50	43.81	12,000	600	8.5	1,100	370	700/650 ²
	06/07/02	7.74	42.57	14,000	630	8.8	1,200	160	520/490 ²
	09/13/02	9.73	40.58	3,000	270	3.2	200	11	600/640 ²
	12/13/02	8.60	41.71	24,000	1,100	14	2,400	220	650/540 ²
MW-4									1704702
49.93	03/12/021	5.34	44.59	9,700	360	5.3	1,100	150	170/170 ²
	06/07/02	8.52	41.41	7,300	1 70	2.7	280	21	200/120 ²
	09/13/02	9.86	40.07	5,800	92	4.5	80	14	190/160
	12/13/02	9.42	40.51	10,000	250	2.2	330	19	170/200

Table 1
Groundwater Monitoring Data and Analytical Results
Chevron Service Station #9-2029

hevron Service Station #9-20' 890 West MacArthur Blvd. Oakland, California

WELL ID/ TOC*(ft.)	DATE	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
TRIP BLANK				_	0.50	0.50	-0.50	<1.5	<2.5
QA	03/12/02			<50	< 0.50	<0.50	< 0.50		
~	06/07/02		'	<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
	09/13/02			<50	< 0.50	< 0.50	< 0.50	<1.5	<2.5
	12/13/02			<50	<0.50	<0.50	< 0.50	<1.5	<2.5

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-2029 890 West MacArthur Blvd. Oakland, California

EXPLANATIONS:

TOC = Top of Casing

TPH-G = Total Petroleum Hydrocarbons as Gasoline

MTBE = Methyl tertiary butyl ether

(ft.) = Feet

 $\mathbf{B} = \mathbf{Benzene}$

(ppb) = Parts per billion

DTW = Depth to Water

T = Toluene

-- = Not Measured/Not Analyzed

GWE = Groundwater Elevation

E = Ethylbenzene

QA = Quality Assurance/Trip Blank

(msl) = Mean sea level

X = Xylenes

* TOC elevations were surveyed on March 14, 2002, by Virgil Chavez Land Surveying. The benchmark for this survey was a USGS bronze disk located near the north end of the curb return at the Northwest corner of 38th Street and Broadway, (Benchmark Elevation = 85.41 feet, NGVD29).

- Well development performed.
- MTBE by EPA method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds

Chevron Service Station #9-2029 890 West MacArthur Blvd. Oakland, California

			MTDE	DIPE	ETBE	TAME	1,2-DCA	EDB
WELL ID	DATE	TBA	MTBE (ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
		(ppb)	(PPD)	· · · · · · · · · · · · · · · · · · ·		, <u></u>		
* 4777 4	03/12/02	<100	<2	<2	<2	<2	<2	<2
MW-1	06/07/02	<100	<2	<2	<2	<2	<2	<2
	09/13/02	<100	<2	<2	<2	<2	<2	<2
	12/13/02	<100	<2	<2	<2	<2	<2	<2
	12/13/02	100						
MW-2	03/12/02	<100	3	<2	<2	<2	<2	<2
1VI VV - Z	06/07/02	<100	<2	<2	<2	<2	<2	<2
	09/13/02	<100	<2	<2	<2	<2	<2	<2
	12/13/02	<100	<2	<2	<2	<2	<2	<2
MW-3	03/12/02	<100	650	<2	<2	18	<2	<2
141 44 -27	06/07/02	230	490	<5.0	<5.0	11	<5.0	<5.0
	09/13/02	170	640	<2	<2	8	<2	<2
	12/13/02	240	540	<2	<2	29	31	<2
	12.10.02							
MW-4	03/12/02	<100	170	<2	<2	13	<2	<2
112 17 17	06/07/02	<100	120	<2	<2	14	<2	<2
	09/13/02	<100	160	<2	<2	14	<2	<2
	12/13/02	<100	200	<2	<2	17	<2	<2

EXPLANATIONS:

TBA = tertiary-Butyl alcohol

MTBE = Methyl tertiary butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = tertiary-Amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

(ppb) = Parts per billion

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



Client/Facility #:	CHEALOHIEVO	co #9-202!	9 (Job Number: 🔇	11600	
Site Address:	890 West Mad			Event Date:	12.13.	02(inclus
City:	Oakland, CA	ı		Sampler:	FT	
Well ID	<u> </u>	Date	Monitored:	13.13.07	Well Condition:	0'k'
Well Diameter	2 in.		Volume	3/4"= 0.02	1"= 0.04 2"= 0.17	3'= 0.38
Total Depth	24.80 ft.		Factor (VF)	4"= 0.66	5"= 1.02 6°= 1.50	12"= 5.80
Depth to Water	9.48 tt.	xVF .17	2.77	v3 (case volume) = F	stimated Purge Volume	: 8.31_ gal.
	16.32	XVF	=	NO (case volume) — =	Time Started:	
Purge Equipment:		Sam	ıpling Equipment:	,	Time Bailed:	(2400 hrs
Disposable Bailer		Disp	osable Bailer		•	t
Stainless Steel Baile		Pres	sure Bailer		Depth to Water:	
Stack Pump		Disc	rete Bailer		Hydrocarbon Thickn	
Suction Pump		Othe	er:		Visual Confirmation	/Description.
Grundfos					Skimmer / Absorbat	nt Sock (circle one)
						Skimmer: ga
Other:						Well: ga
					Product Transferred	1 to:
Purging Flow R			ent Description: ne:			
Time (2400 hr.) 9:07 9:08	Volume (gal.)	7.08 7.07	Conductivity (umhos/cm) 74.2 72.6 62.2	Volume: Temperature (C)=) 19.3 19.5 18.5	gal. D.O. (mg/L)	ORP (mV)
Time (2400 hr.) 9:07 9:08 9:10	Volume (gal.) 2.5 5.0 8.0	7.08 7.07 7.07	Conductivity (umhos/cm) 74. \(\) 72. \(\) 62. \(\) BORATORY INI	Temperature (GF) 19.3 19.5 18.5	D.O. (mg/L)	
Time (2400 hr.) 9:07 9:08 9:10	Volume (gal.) 2.5 5.0 8.0	7.08 7.07 7.05 LA	Conductivity (umhos/cm) 74. \(\) 72. \(\) 62. \(\) BORATORY INI PRESERV. TYPI	Temperature (GF) 19.3 19.5 18.5	D.O. (mg/L)	(mV)
Time (2400 hr.) 9:07 9:08 9:10	Volume (gal.) 2.5 5.0 8.0	7.08 7.07 7.05 LA	Conductivity (umhos/cm) 74. \(\) 72. \(\) 62. \(\) BORATORY INI	Temperature (OF) 19.3 19.5 18.9 FORMATION LABORATOR	D.O. (mg/L)	(mV)
Time (2400 hr.) 9:07 9:08 9:10	Volume (gal.) 2.5 5.0 8.0	7.08 7.07 7.05 LA	Conductivity (umhos/cm) 74. \(\) 72. \(\) 62. \(\) BORATORY INI PRESERV. TYPI	Temperature (OF) 19.3 19.5 18.9 FORMATION LABORATOR	D.O. (mg/L)	(mV)
Time (2400 hr.) 9:07 9:08 9:10	Volume (gal.) 2.5 5.0 8.0	7.08 7.07 7.05 LA	Conductivity (umhos/cm) 74. \(\) 72. \(\) 62. \(\) BORATORY INI PRESERV. TYPI	Temperature (OF) 19.3 19.5 18.9 FORMATION LABORATOR	D.O. (mg/L)	(mV)
Time (2400 hr.) 9:07 9:08 9:10	Volume (gal.) 2.5 5.0 8.0 (#) CONTAINER (x voa via	7.08 7.07 7.05 LA	Conductivity (umhos/cm) 74. \(\) 72. \(\) 62. \(\) BORATORY INI PRESERV. TYPI	Temperature (OF) 19.3 19.5 18.9 FORMATION LABORATOR	D.O. (mg/L)	(mV)
Time (2400 hr.) 9:07 9:08 9:10 SAMPLE ID MW-	Volume (gal.) 2.5 5.0 8.0 (#) CONTAINER (x voa via	7.08 7.07 7.05 LA	Conductivity (umhos/cm) 74. \(\) 72. \(\) 62. \(\) BORATORY INI PRESERV. TYPI	Temperature (OF) 19.3 19.5 18.9 FORMATION LABORATOR	D.O. (mg/L)	(mV)

90 West Mad Dakland, CA	arthur Blvd.			
Dakland, CA		Event Date:	12.13.01	 (inclusi
	-	Sampler:	FT	
MW-2	Date Monitore	d: 12-13-01	Well Condition: 01	دا
2 in.			18.004 08.047 Ob.00	
24.70 ft.			5°= 1.02 6°= 1.50 12°= 5	
8.50 ft.	- 4		Δ.	•
16.20 x	/F <u>17 </u>	x3 (case volume) = 1	Estimated Purge Volume: 3.2	<u>C</u> gal.
	Compline Equip	.m.a.mts	Time Started:	
		_		
	•	<u> </u>		
			- 1	
			Visual Confirmation/Descriptio	·n:
	<u> </u>		Skimmer / Absorbant Sock (cir	rde one)
	•		Amt Removed from Well:	
			Product Transferred to:	
Volume (gal.) 2.5 5.6	7.14 (umhos/cm	<u> </u>		RP nV)
				
	LABORATOR	Y INFORMATION		
(#) CONTAINER	LABORATOR'	Y INFORMATION TYPE LABORATOR	Y ANALYSES	
(#) CONTAINER			TPH-G(8015)/BTEX+MTBE(8	3021)/
	REFRIG. PRESERV.	TYPE LABORATOR		3021)/
	REFRIG. PRESERV.	TYPE LABORATOR	TPH-G(8015)/BTEX+MTBE(8	9021)/
	REFRIG. PRESERV.	TYPE LABORATOR	TPH-G(8015)/BTEX+MTBE(8	3021)/
	9:28 9:51 / 12 9:51 / 12 gpm. Volume (gal.) 2.5 5.0	Sampling Equip Disposable Bailer Discrete		Factor (VF)



GETTLER-RYAN INC.

Client/Facility #:	ChevronTexac	o #9-2029	Job Number: 38	6911	
Site Address:	890 West Mad	arthur Blvd.	Event Date:	12.13.02	(inclusi
City:	Oakland, CA		Sampler:	FT	
Vell ID Vell Diameter Total Depth	MW-3 2 in. 24.53 ft.	Volu		"= 0.04 2"= 0.17 3"= 6	0,38 5,80
Depth to Water	8-60 ft.	<u> </u>		mated Purge Volume: 8.1	
Purge Equipment: Disposable Bailer Stainless Steet Baile Stack Pump		Sampling Equip Disposable Baile Pressure Bailer Discrete Bailer	ment:	Time Started:	(2400 hrs) (2400 hrs) (2400 hrs) tt
Suction Pump Grundtos Other:		Other:		Skimmer / Absorbant Sock (Arnt Removed from Skimme Arnt Removed from Well: Product Transferred to:	(circle one) er: gal gal
Start Time (purg Sample Time/D Purging Flow R Did well de-wat	ate: 10:24 /], ate:gpm.	Sediment Descrip	COLETA: Otion: Volume:		S VCRY STO
Time (2400 hr.) 10:05 10:15	Volume (gal.) 2.5	pH Conductivi (u mhos/cr 6.95 121.7 6.95 117.	y Temperature	D.O. (mg/L)	ORP (mV)
			VINCODMATION		
SAMPI F ID	(#) CONTAINER	LABORATOR	Y INFORMATION TYPE LABORATORY	ANALYSE	S
SAMPLE ID MW- 3	(#) CONTAINER (a) x voa vial	REFRIG. PRESERV.	TYPE LABORATORY	ANALYSE TPH-G(8015)/BTEX+MTB 7 Oxy's(8260)	



GETTLER-RYAN INC.

	ChevronTexac	o #9-2029	Job Number:	386911	
te Address:	890 West Mad	arthur Blvd.	Event Date:	12-13-02	(inclusiv
ity:	Oakland, CA		Sampler:	FT	
ell ID	мw- 4	Date Monitored:	12.13.02	Well Condition:	o'k'
'ell Diameter	2 in.	<u> </u>			
otal Depth	24.64 ft.	Volume Factor			3"= 0.38
epth to Water	9.42 ft.	racion	(VF) 4"≈ 0.66	5"= 1.02 6"= 1.50 1	2"= 5.80
		/F .17 = 2.58	x3 (case volume) = E	Estimated Purge Volume:	.76 gal.
ırge Equipment:		Sampling Equipme	ent·	Time Started:	
sposable Bailer		Disposable Bailer		Time Bailed:	
ainless Steel Baile		Pressure Bailer		Depth to Product: Depth to Water:	
ack Pump		Discrete Bailer	 	Hydrocarbon Thickness:	
ection Pump		Other:	· · · · · · · · · · · · · · · · · · ·	Visual Confirmation/Desc	
undtos		O. Mari			
her:				Skimmer / Absorbant So	
				Amt Removed from Skim Amt Removed from Well	imer:gal
				Product Transferred to:_	
Time (2400 hr.)) 0 : 3 4 10 : 3 4	Volume (gal.) 2.5 5.0	pH Conductivity (umhos/cm) 2.92 114.2 2.90 109.0	Temperature (ØF) 18.2 18.6	D.O. (mg/L)	ORP (mV)
	(#) CONTAINER	LABORATORY I		Y ANALY	SES
SAMPLE ID	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		LANCASTER		
SAMPLE ID	A x yoa yial	YES I HCL			
	(x voa vial	YES HCL		7 Oxy's(8260)	BE(8021)/
	(#) CONTAINER	REFRIG. PRESERV. TY	PE LABORATORY		

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories Where quality is a science.					Ac	cct, #:	10	90)5	Sa	Fo Imple	or La #: <u> </u>	39(er La 031	borat 34	orles (-3	S	only	SCR	1:83	3494	<u>O_</u>	
Where quality is a science.	12	1602	-(o l'									ses F						1/2				
				ī	Matri	. 1	_				Р	res	ervati	on C	odes	3			Pre	serva	ative Coo		
Facility #: 9-2029 Job #386911					Mou	^		H	H			H		\bot	\bot	1	<u> </u>	-	H = HCI N = HNO		T = Thic B = Na('
Site Address: 890 West MacArthur Blv	<u>d., OAKLA</u>	ND, CA				\dashv				dnue		:					ŀ		S = H ₂ S	-	O = Oth	,	
Chevron PM: KS Lead	Consultant: <u>Di</u>	elta/G-R			9 0		S			el Cle		0							☐ J value				
Consultant/Office: G-R, Inc., 6747 Sierra	a Court, Du	blin, Ca 9	<u>4568</u>		otab		ıtain	021□		iig G		و				-			☐ Must n	neet lo le for 8	west detect 260 comp	tion lim ounds	its
Consultant Prj. Mgr.: Deanna I Harding	(Dea	nna@grin	C_COD	٦)	☐ Potable		Total Number of Containers	8260 🖂 8021		TPH 8015 MOD DRO Silica Gel Cleanup		82									nfirmation		
Consultant Phone #: 925-551-7555	_ Fax #:9	25-551-7	899_			1_	ē	8260	GRO	DR0		tes	7421								est hit by 8		
Sampler: FRANK TERM	TINON!		;	Si te		Oil Air	dmp	TBE	TPH 8015 MOD	MOC	SZ SZ	Oxygenates	7420 🗆		-	1					its by 8260		
Service Order #: N	on SAR:		Grab	ᇍ	Water		Z <u>10</u>	BTEX + MTBE	18015	8015	8260 full scan	ő	d 742		l						y s on higl y s on all h		
Sample Identification	Date Collected	Time Collected	Ö		×	ō	<u>P</u>	+	<u>Ē</u>	Ē	928	4	ea_	-	+	+	-	╀			Remarks		\dashv
QA.	12.13.01		$\downarrow \downarrow$	_	W	4-4	2	X	X				╀	+	-	+-	╁	+-	1 00111111	ino i			
	<u> </u>		┨╌┠	+	11		7	-				X		+	+	+	+-	\dagger					ı
MW-1	 	0918	X	-	╁╂	+-1	6	X	1		_	x	 -	-+	╁	†-	+	十	1				
W-2	 	0551	 		╅╂	╌┼╌┼	1	化	1		\vdash	3	 	\dashv	+	十	\dagger	十	1				
MW-3	 	1024	 		$+ \pm$	-	7	兌	1	\vdash		1	1 1		十	+	1	T					ł
MW-4	₩	1050	P+	╁	 ₹	+	Ц.	1-7	1	 	┝┈	-	tt		1	1		1	1				
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Turnaround Time Requested (TAT) (please cir	cle)	1	لسار	<u>_</u> _	en	<u>. </u>	<u>・</u>	_		_12	<u> </u>	_		+	$\overline{\Delta}$	+	۷۷۷	4	/6		Date	-	700 me
72 hour 48 hour 48 day 5 day	r	Relinq	uished l	X :)			بلار	Date Lad		Time (100	1 /		ed fly ~~~^		M	mag	~	12-16		
24 nour 4 day 5 day		Reling	uished	Ar:	1/					47	Date		Time	R	eceiv	gd by	: ,		\ 0		Date	Ti	me
Data Package Options (please circle if required)			vel	7	la	m	سو	13		12	2-16-0		<i>1</i> 53					0	re,	<u>,</u>	12-16	_	
QC Summary Type I — Full Type VI (Raw Data) ☐ Coelt Deliverable not nee	ded	Relinq	uished	by Сог	mmerc	ial Car	nie (\sim	$\overline{\lambda'}$	$\overline{\Delta}$	מת	_		R	eceiv	ed by	•	•	M_{\odot}	W	Date I		/ j/
Type VI (Raw Data) Coelt Deliverable not nee WIP (RWQCB)		UPS		FedE		-	ther) <u>*</u> 0.		1 4	<u>ν</u> ι .	_		+	uetos	ly Sea			''	No January	T .	# N	710
Disk		Tempe	erature (upon I	Kecel	H		<u>v. </u>	<u> </u>						J3100	.,			(53)		0400 5		20/04



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 834940. Samples arrived at the laboratory on Tuesday, December 17, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description		Lancaster Labs Number
QA-T-021213	NA Water	3963134
MW-1-W-021213	Grab Water	3963135
MW-2-W-021213	Grab Water	3963136
MW-3-W-021213	Grab Water	3963137
MW-4-W-021213	Grab Water	3963138

1 COPY TO

Delta C/O Gettler-Ryan

Attn: Deanna L. Harding

Questions? Contact your Client Services Representative Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,

Steven A. Skiles Sr. Chemist



Lancaster Laboratories, Inc. 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425



Page 1 of 1

Lancaster Laboratories Sample No. WW 3963134

Collected:12/13/2002 00:00

Account Number: 10905

Submitted: 12/17/2002 10:10

ChevronTexaco

Reported: 12/30/2002 at 21:04

6001 Bollinger Canyon Rd L4310

ard: 01/30/2003 San Ramon CA 94583

Discard: 01/30/2003

Water

QA-T-021213 Facility# 92029

Job# 386911

GRD

890 W MacArthur-Oakland

QA

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 gasoline constituents eluting start time. A site-specific MSD sample was performed to demonstrate	prior to the Co not submitted	for the project	. A LCS/LCSD	ug/1	1
08214	BTEX, MTBE (8021)					
00776 00777 00778 00779 00780	Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether A site-specific MSD sample wa	71-43-2 108-88-3 100-41-4 1330-20-7 1634-04-4 s not submitted precision and a	N.D. N.D. N.D. N.D. N.D. for the project	0.50 0.50 0.50 1.5 2.5 A LCS/LCSD ch level.	ug/1 ug/1 ug/1 ug/1 ug/1	1 1 1 1

State of California Lab Certification No. 2116

		Laboratory	Chro	nicle Analysis		Dilution
CAT No. 01729	Analysis Name TPH-GRO - Waters	Method N. CA LUFT Gasoline	Trial# 1	Date and Time 12/22/2002 15:46	Analyst K. Robert James	Factor 1
08214 01146	BTEX, MTBE (8021) GC VOA Water Prep	Method SW-846 8021B SW-846 5030B	1	12/22/2002 15:46 12/22/2002 15:46	K. Robert James K. Robert James	l n.a.

Account Number: 10905

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco



Page 1 of 2

3963135 Lancaster Laboratories Sample No. WW

Collected:12/13/2002 09:18 by FT

Submitted: 12/17/2002 10:10

Reported: 12/30/2002 at 21:04

Discard: 01/30/2003

MW-1-W-021213 Grab

Facility# 92029 Job# 386911

Water

890 W MacArthur-Oakland NA

MW-1

GRD

WMO01

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
01730	The reported concentration of TI gasoline constituents eluting prostart time. A site-specific MSD sample was a was performed to demonstrate pro-	PH-GRO does not rior to the C6 not submitted :	include MTBE or (n-hexane) TPH-G for the project.	other RO range A LCS/LCSD	-37 -	
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was	not submitted	for the project.	A LCS/LCSD		
	was performed to demonstrate pr					
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/1	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

		Haboracory	CILL C.			Dilution	
CAT				Analysis			
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor	
01729	TPH-GRO - Waters	N. CA LUFT Gasoline	1	12/22/2002 23:35	K. Robert James	1	
		Method				_	
08214	BTEX. MTBE (8021)	SW-846 8021B	1.	12/22/2002 23:35	K. Robert James	1	
01595	Oxygenates by 8260B	SW-846 8260B	1	12/27/2002 08:13	Marla S Lord	1	

#=Laboratory MethodDetectiondsimitabroaded turget detection limit N.D.=Not de McEedra Box above the William Picsmit

Lancaster, PA 17605-2425 717.656.7200 Fav. 717-656-7681



Page 2 of 2

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3963135 WW Lancaster Laboratories Sample No.

Collected:12/13/2002 09:18 by FT Account Number: 10905

ChevronTexaco

Submitted: 12/17/2002 10:10

Reported: 12/30/2002 at 21:04

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

Discard: 01/30/2003

Water MW-1-W-021213 Grab

GRD Facility# 92029 Job# 386911

MW-1890 W MacArthur-Oakland

WMO01

12/22/2002 23:35 K. Robert James n.a. SW-846 5030B GC VOA Water Prep 01146 Marla S Lord n.a. 12/27/2002 08:13 SW-846 5030B GC/MS VOA Water Prep 01163

Lancaster, PA 17605-2425



Page 1 of 2

3963136 Lancaster Laboratories Sample No.

Collected:12/13/2002 09:51

Account Number: 10905

As Received

Submitted: 12/17/2002 10:10

ChevronTexaco 6001 Bollinger Canyon Rd L4310 Reported: 12/30/2002 at 21:04

Discard: 01/30/2003 San Ramon CA 94583

MW-2-W-021213 Grab Water

GRD Facility# 92029 Job# 386911

MW-2 890 W MacArthur-Oakland

WMO02

	•			110 110001100		
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 TI gasoline constituents eluting protections that time.	PH-GRO does not rior to the C6	include MTBE or (n-hexane) TPH-G	other RO range		
	A site-specific MSD sample was	not submitted :	for the project.	A LCS/LCSD		
	was performed to demonstrate pro	ecision and ac	curacy at a batch	level.		
				•		
08214	BTEX, MTBE (8021)					
2222	Danasa.	71-43-2	N.D.	0.50	ug/l	1
00776	Benzene	71-43-2 108-88-3	N.D. N.D.	0.50	ug/1 ug/1	i
00777	Toluene			0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	1.5	ug/1	1
00779	Total Xylenes	1330-20-7	N.D.		•	
00780	Methyl tert-Butyl Ether	1634-04-4	N.D.	2.5	ug/l	1
	A site-specific MSD sample was					
	was performed to demonstrate pr	ecision and ac	curacy at a batch	level.		
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	N.D.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/1	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1.2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1
	_,				-	

State of California Lab Certification No. 2116

				-
Labora	+	Chrai	าา	$\sim 1 \triangle$
110777777	LULV			$\sim -$

CAT No. 01729	Analysis Name TPH-GRO - Waters	Method N. CA LUFT Gasoline	Trial#	Analysis Date and Time 12/23/2002 00:08	Analyst K. Robert James	Dilution Factor 1
08214 01595	BTEX, MTBE (8021) Oxygenates by 8260B	Method SW-846 8021B SW-846 8260B	1 1	12/23/2002 00:08 12/27/2002 01:15	K. Robert James Marla S Lord	1

#=Laboratory MethodDetection design to be stated that get detection limit N.D.=Not de Mote de la Boue above din Royal de la Piksimit

Lancaster, PA 17605-2425



Page 2 of 2

3963136 Lancaster Laboratories Sample No. WW

by FT Collected:12/13/2002 09:51

Account Number: 10905

Submitted: 12/17/2002 10:10

Reported: 12/30/2002 at 21:04

Discard: 01/30/2003

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-2-W-021213

Grab

Facility# 92029 Job# 386911

GRD

MW-2

Water

WMO02

01146 GC VOA Water Prep 01163

890 W MacArthur-Oakland

SW-846 5030B SW-846 5030B GC/MS VOA Water Prep

12/23/2002 00:08 K. Robert James 12/27/2002 01:15

Marla S Lord

n.a. n.a.

#=Laboratory MethodDetectionchimitatoreaeded tranget detection limit N.D.=Not democreduation above the resulting termit

Lancaster, PA 17605-2425

4444 N.L. 4010100



Page 1 of 2

Lancaster Laboratories Sample No. 3963137 WW

Collected:12/13/2002 10:24 by FT Account Number: 10905

Submitted: 12/17/2002 10:10

ChevronTexaco

Reported: 12/30/2002 at 21:05

6001 Bollinger Canyon Rd L4310 San Ramon CA 94583

As Received

Discard: 01/30/2003

Water Grab

MW-3-W-021213 Facility# 92029 Job# 386911

GRD

890 W MacArthur-Oakland

MW-3

WMO03

	age -			MB Kecelved		
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.	24,000.	500.	ug/l	10
	The reported concentration o gasoline constituents elutin start time.					
	A site-specific MSD sample w	as not submitted	for the project.	. A LCS/LCSD		
	was performed to demonstrate	precision and a	ccuracy at a bate	ch level.		
	·					
08214	BTEX, MTBE (8021)					
00776	5 Benzene	71-43-2	1,100.	2.0	ug/l	10
00777	Toluene	108-88-3	14.	2.0	ug/l	10
00778	B Ethylbenzene	100-41-4	2,400.	2.0	ug/l	10
00779	Total Xylenes	1330-20-7	220.	6.0	ug/l	10
00780	Methyl tert-Butyl Ether	1634-04-4	650.	3.0	ug/l	10
	A site-specific MSD sample v	was not submitted	for the project	. A LCS/LCSD		
	was performed to demonstrate	e precision and a	ccuracy at a bat	ch level.		
01595	5 Oxygenates by 8260B					
0201	Methyl t-butyl ether	1634-04-4	540.	2.0	ug/l	2.5
0201	l di-Isopropyl ether	108-20-3	N.D.	2.	ug/l	1
0201	3 Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
0201	4 t-Amyl methyl ether	994-05-8	29.	2.	ug/l	1
0201	5 t-Butyl alcohol	75-65-0	240.	100.	ug/l	1
0540	2 1,2-Dichloroethane	107-06-2	31.	2.	ug/1	1
0541	2 1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

Laboratory	Chronial	_
Laboratory	$-cnronic_{\perp 0}$	=

CAT		1		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Pactor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/23/2002 02:22	Linda C Pape	10
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/23/2002 02:22	Linda C Pape	10
01595	Oxygenates by 8260B	SW-846 8260B	1	12/27/2002 06:55	Marla S Lord	2.5

#=Laboratory MethodDetection Limit N.D.=Not de **CECMAEDE aBove Discrete Limit N.D.=Not de **CECMAEDE above Di

Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

Lancaster Laboratories Sample No. WW 3963137

Account Number: 10905 by FT Collected:12/13/2002 10:24

ChevronTexaco Submitted: 12/17/2002 10:10

6001 Bollinger Canyon Rd L4310 Reported: 12/30/2002 at 21:05

San Ramon CA 94583 Discard: 01/30/2003

Water MW-3-W-021213 Grab

GRD Facility# 92029 Job# 386911

890 W MacArthur-Oakland NA MW-3

GC/MS VOA Water Prep

01163

WMO03 1 12/27/2002 10:00 Marla S Lord 1 Oxygenates by 8260B SW-846 8260B 01595 1 12/23/2002 02:22 1 12/27/2002 06:55 Linda C Pape n.a. SW-846 5030B 01146 GC VOA Water Prep 12/27/2002 06:55 Marla S Lord n.a. SW-846 5030B 1



Page 1 of 2

Lancaster Laboratories Sample No. WW 3963138

Collected:12/13/2002 10:50 by FT

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Account Number: 10905

San Ramon CA 94583

6001 Bollinger Canyon Rd L4310

ChevronTexaco

Submitted: 12/17/2002 10:10

Reported: 12/30/2002 at 21:05

GRD

Discard: 01/30/2003

MW-4-W-021213

Grab

Water

Facility# 92029 Job# 386911 890 W MacArthur-Oakland NA

MW - 4

WM004

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.	10,000.	500.	ug/l	10
	The reported concentration of The gasoline constituents eluting pastart time. A site-specific MSD sample was a was performed to demonstrate pro-	rior to the C6 not submitted :	n-hexane) TPH-G for the project.	RO range A LCS/LCSD		
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	250.	0.50	ug/l	2
00777	Toluene	108-88-3	2.2	0.50	ug/l	2
00778	Ethylbenzene	100-41-4	330.	0.50	ug/l	2
00779	Total Xylenes	1330-20-7	19.	1.5	ug/l	2
00780	Methyl tert-Butyl Ether	1634-04-4	170.	2.5	ug/l	2
	A site-specific MSD sample was	not submitted	for the project.	A LCS/LCSD		
	was performed to demonstrate pr	ecision and ac	curacy at a batch	level.		
01595	Oxygenates by 8260B					
02010	Methyl t-butyl ether	1634-04-4	200.	2.	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	2.	ug/1	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	2.	ug/l	1
02014	t-Amyl methyl ether	994-05-8	17.	2.	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	100.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

Laboratory	Chronicle
Laboratory	thronicie.

		naboracory	CILLO	HICIC		
CAT		-		Analysis		Dilution
No.	Analysis Name	Method	Trial#	Date and Time	Analyst	Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/23/2002 02:57	Linda C Pape	10
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/27/2002 02:25	Martha L Seidel	2
01595	Oxygenates by 8260B	SW-846 8260B	1	12/27/2002 07:21	Marla S Lord	1

#=Laboratory MethodDetectiten ### Holland Pike N.D.=Not de ***CFE d'a FOF above Office Report De Report De

Lancaster, PA 17605-2425 717-656-2300 Fax: 717-656-2681



Page 2 of 2

n.a.

n.a.

Lancaster Laboratories Sample No. WW 3963138

Collected:12/13/2002 10:50 by FT Account Number: 10905

Submitted: 12/17/2002 10:10 ChevronTexaco

Reported: 12/30/2002 at 21:05 6001 Bollinger Canyon Rd L4310

Discard: 01/30/2003 San Ramon CA 94583

MW-4-W-021213 Grab Water
Facility# 92029 Job# 386911 GRD

Facility# 92029 Job# 386911 GRD 890 W MacArthur-Oakland NA MW-4

890 W MacArthur-Oakland NA MW-4

WMO04 01146 GC VOA Water Prep SW-846 5030B 1 12/23/2002 02:57 Linda C Pape 01163 GC/MS VOA Water Prep SW-846 5030B 1 12/27/2002 07:21 Marla S Lord

747 EEE 7300 Cav. 717,656,7621



Page 1 of 3

Quality Control Summary

Client Name: ChevronTexaco Group Number: 834940

Reported: 12/30/02 at 09:05 PM

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: 02355A16A	Sample n	umber(s):	3963134-39	63138				
Benzene	N.D.	.2	ug/l	94	100	80-118	7	30
Toluene	N.D.	. 2	ug/l	88	94	82-119	7	30
Ethylbenzene	N.D.	.2	ug/l	86.	92	81-119	8	30
Total Xylenes	N.D.	. 6	ug/l	88	94	82-120	7	30
Methyl tert-Butyl Ether	N.D.	. 3	ug/1	90	95	79-127	6	30
TPH-GRO - Waters	N.D.	50.	ug/l	102	110	74-116	8	30
Batch number: 02358A16A	Sample n	umber(s):	3963138					
Benzene	N.D.	.2	ug/l	95	92	80-118	4	30
Toluene	N.D.	.2	ug/l	88	85	82-119	3	30
Ethylbenzene	N.D.	.2	ug/l	86	83	81-119	4	30
Total Xylenes	N.D.	. 6	ug/l	88	85	82-120	4	30
Methyl tert-Butyl Ether	N.D.	. 3	ug/l	93	90	79-127	4	30
Batch number: N023601AB	Sample :	number(s):	3963136-39	963138				
Methyl t-butyl ether	N.D.	. 5	ug/l	107		77-127		
di-Isopropyl ether	N.D.	. 5	ug/l	106		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/l	102		74-120		
t-Amyl methyl ether	N.D.	.5	ug/l	101		71-114		
t-Butyl alcohol	N.D.	5.	ug/l	102		59-139		
1,2-Dichloroethane	N.D.	. 5	ug/l	106		77-132		
1,2-Dibromoethane	N.D.	. 5	ug/l	100		81-114		
Batch number: N023602AA		number(s):	3963135					
Methyl t-butyl ether	N.D.	. 5	ug/l	106		77-127		
di-Isopropyl ether	N.D.	. 5	ug/l	105		74-125		
Ethyl t-butyl ether	N.D.	.5	ug/1	103		74-120		
t-Amyl methyl ether	N.D.	. 5	ug/l	101		71-114		
t-Butyl alcohol	N.D.	5.	ug/l	101		59-139		
1,2-Dichloroethane	N.D.	. 5	ug/l	104		77-132		
1,2-Dibromoethane	N.D.	.5	ug/l	97		81-114		

Sample Matrix Quality Control

	MS	MSD	ms/msd		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	<u>Limits</u>	RPD	MAX	Conc	Conc	RPD	Max
Batch number: 02355Al6A Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether TPH-GRO - Waters	Sample 101 95 94 95 94 113	e number	(s): 396313 83-130 87-129 86-133 86-132 66-140 74-132	4-3963	138				
Batch number: 02358A16A Benzene Toluene Ethylbenzene Total Xylenes Methyl tert-Butyl Ether	Sampl 100 94 92 94 93	e number	(s): 396313 83-130 87-129 86-133 86-132 66-140	38					

*- 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.





Page 2 of 3

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 834940

Reported: 12/30/02 at 09:05 PM

Sample Matrix Quality Control

	MS	MSD	ms/msd		RPD	BKG	DUP	DUP	Dup RPD
Analysis Name	%REC	%REC	<u>Limits</u>	RPD	<u>max</u>	Conc	Conc	RPD	Маж
Batch number: N023601AB	Sample	number	(s): 396313	6-39631	138				
Methyl t-butyl ether	101	102	69-134	0	30				
di-Isopropyl ether	104	104	68-133	0	30				
Ethyl t-butyl ether	99	101	73-123	2	30				
t-Amyl methyl ether	99	98	69-118	0	30				
t-Butyl alcohol	73	72	51-148	2	30				
1.2-Dichloroethane	109	108	73-136	1	30				
1,2-Dibromoethane	98	97	78-120	2	30				
Batch number: N023602AA	Sample	number	(s): 396313	15					
Methyl t-butyl ether	105	106	69-134	1	30				
di-Isopropyl ether	107	107	68-133	1	30				
Ethyl t-butyl ether	103	103	73-123	o	30				
t-Amyl methyl ether	100	100	69-118	0	30				
t-Butyl alcohol	98	99	51-148	1	30				
1,2-Dichloroethane	107	106	73-136	1	30				
1,2-Dibromoethane	99	99	78-120	0	30				

Surrogate Quality Control

Analysis Name: BTEX, MTBE (8021)

Batch numb	er: 02355A16A Trifluorotoluene-F	Trifluorotoluene-P	
3963134	107	107	
3963135	108	106	
3963136	109	106	
3963137	129	117	
3963138	125		
Blank	107	107	
LCS	112	106	
LCSD	118	106	
MS	117	105	
Limits:	57-146	71-130	
	Jame: BTEX, MTBE (8021)		
Batch numb	er: 02358A16A	Trifluorotoluene-P	

Batch numb	per: 02358A16A Trifluorotoluene-F	Trifluorotoluene-P	
3963138		122	
Blank	105	106	
LCS	110	105	
LCSD	110	106	
MS	113	105	
Limits:	57-146	71-130	

Analysis Name: Oxygenates by 8260B

Batch number: N023601AB

*- 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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Quality Control Summary

Client Name: ChevronTexaco

Group Number: 834940

Reported: 12/30/02 at 09:05 PM

ity Control cluene-d8 5 7 8 8 7	4-Bromofluorobenzene 94 99 99 93 97
7 9 5 8 7	99 99 93 97
9 5 8 7	99 93 9 7
5 8 7	93 9 7
B 7	97
7	
	97
	-
7	98
8-110	86-115
oluene-d8	4-Bromofluorobenzene
6	95
5	93
7	98
7	98
8	99
8-110	86-115
8	0-110 Dluene-d8 5 7 7 8

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



^{*-} Outside of specification

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