GETTLER-RYAN INC.

TRANSMITTAL

August 7, 2002
G-R #386395

TO: Mr. James Brownell
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670

CC: Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Chevron Service Station
#9-9708
5910 MacArthur Boulevard
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	August 1, 2002	Groundwater Monitoring and Sampling Report Second Quarter - Event of June 21, 2002

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***August 21, 2002***, at which time the final report will be distributed to the following:

cc: Mr. Thomas Peacock, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
Mr. Nisson Saidion, 5910 MacArthur Boulevard, Oakland, CA 94605

Enclosures

6747 Sierra Court, Suite J • Dublin, California 94568 • (925) 551-7555

GETTLER-RYAN INC.

August 1, 2002
G-R Job #386395

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

RE: Second Quarter Event of June 21, 2002
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-9708
5910 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.

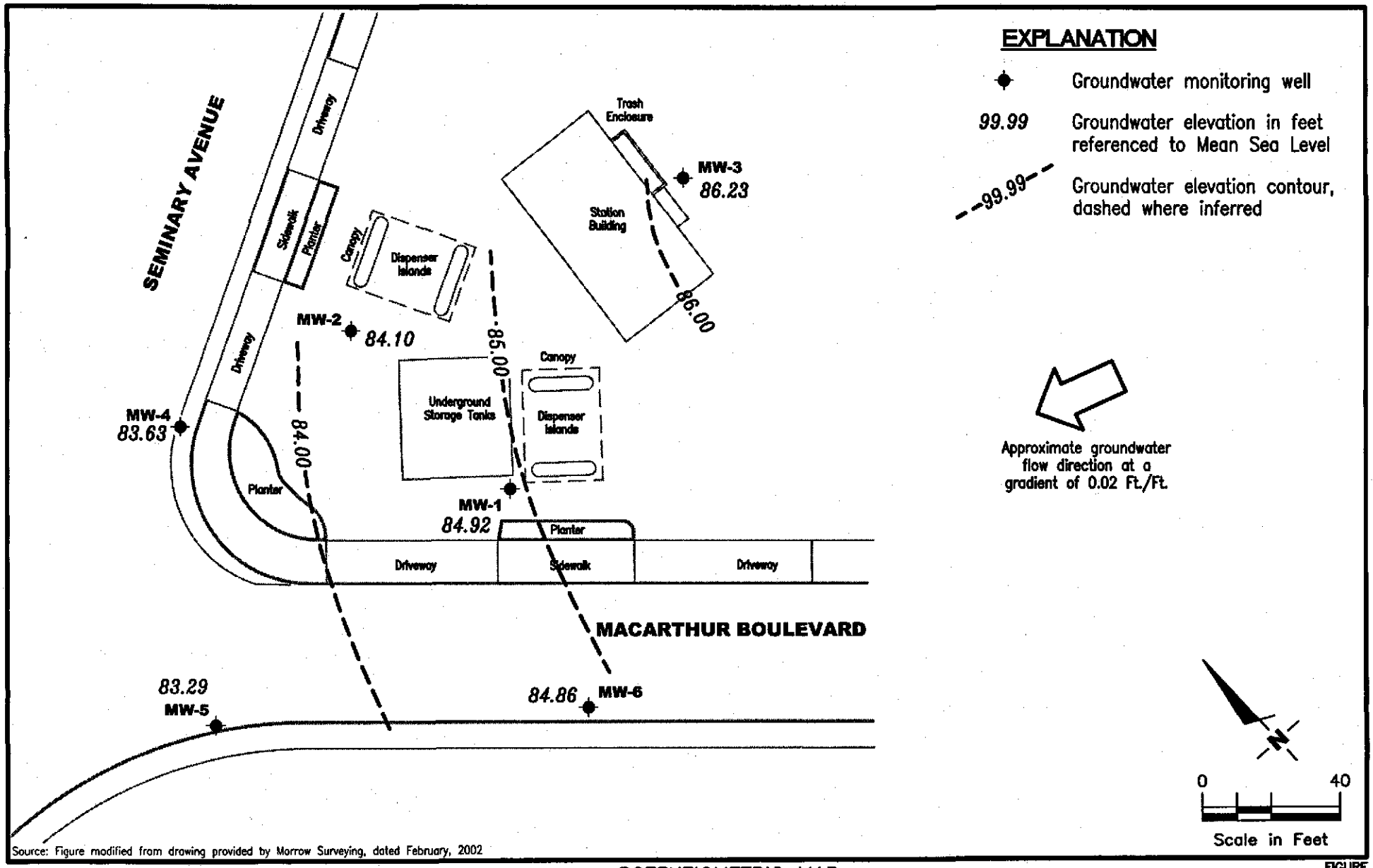
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by Morrow Surveying, dated February, 2002

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

POTENTIOMETRIC MAP
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386395		June 21, 2002	

FILE NAME: P:\ENVIRO\CHEVRON\9-9708\Q02-9-9708.DWG | Layout Tab: Pot2

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-1													
05/29/97	96.61	84.41	12.20	--	--	--	--	--	--	--	--	--	--
06/04/97	96.61	84.40	12.21	--	380	58	1.2	5.4	40	85	--	--	--
09/16/97	96.61	83.84	12.77	--	420	120	<0.5	19	2.7	28	--	--	--
12/17/97	96.61	85.43	11.18	--	210[1]	43	0.61	11	0.61	69	--	--	--
03/18/98	96.61	84.59	12.02	--	210[1]	47	<0.5	8.2	<0.5	92	--	--	--
06/28/98	96.61	83.99	12.62	--	<50	<0.5	<0.5	<0.5	<0.5	66	--	--	--
09/07/98	96.61	82.32	14.29	--	<50	6.7	<0.5	<0.5	<0.5	92	--	--	--
12/29/98	96.61	83.18	13.43	--	<100	<1.0	<1.0	2.24	1.14	278	--	--	--
03/11/99	96.61	83.80	12.81	--	110	<1.0	<1.0	7.95	<1.0	418	--	--	--
05/04/99	96.61	83.85	12.76	--	--	--	--	--	--	--	--	--	--
06/29/99	96.61	84.06	12.55	--	352	34.6	<2.5	51	<2.5	780	--	--	--
09/29/99	96.61	83.21	13.40	--	647	167	<2.5	58.6	14.8	1,570	--	--	--
12/08/99	96.61	85.70	10.91	--	481	121	1.16	17.9	11	3,910	--	--	--
03/01/00	96.61	85.46	11.15	--	2,580	481	6.84	86.6	41.9	5,460	--	--	--
06/23/00	96.61	83.68	12.93	--	900[4]	120	<5.0	22	6.7	5,400	--	--	--
09/30/00	96.61	83.07	13.54	--	1,300[4]	450	5.5	170	11	2,000	--	--	--
12/08/00	96.61	83.63	12.98	--	<1,000	41.7	<10.0	11.5	<10.0	6,030	--	--	--
03/01/01	96.61	84.94	11.67	--	340[7]	36.6	<0.500	10.1	<0.500	3,360	--	--	--
06/19/01	96.61	83.94	12.67	--	610[4]	110	<5.0	9.2	<5.0	110	--	--	--
09/18/01	96.61	83.48	13.13	--	200	32	0.55	3.0	<1.5	1,600	--	--	--
12/26/01	96.61	85.14	11.47	--	140	9.1	<0.50	1.2	<1.5	1,900	--	--	--
03/06/02	97.52	86.38	11.14	--	93	7.0	<0.50	0.72	<1.5	1,000	--	--	--
06/21/02	**97.52**	**84.92**	**12.60**	**--**	**93**	**8.2**	**<0.50**	**1.2**	**<1.5**	**1,300**	**--**	**--**	**--**
MW-2													
05/29/97	96.91	83.85	13.06	--	--	--	--	--	--	--	--	--	--
06/04/97	96.91	83.96	12.95	--	1,600	120	5.9	32	15	2,100	--	--	--
09/16/97	96.91	83.92	12.99	--	1,100	23	3.2	7.0	2.5	1,200	--	--	--
12/17/97	96.91	84.73	12.18	--	7,100[1]	650	69	610	69	4,700/2,600[2]	--	--	--
03/18/98	96.91	84.21	12.70	--	5,900[1]	250	<50	98	<50	12,000/7,100[2]	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708

5910 MacArthur Boulevard

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-2 (cont)													
06/28/98	96.91	83.98	12.93	--	4,300	400	<10	<10	<10	3,000/4,000[2]	--	--	--
09/07/98	96.91	83.94	12.97	--	3,700	220	5.1	38	7.6	1,300/1,400[2]	--	--	--
12/29/98	96.91	83.99	12.92	--	6,500	573	26.8	131	33.9	2,660	--	--	--
03/11/99	96.91	84.04	12.87	--	4,970	651	30.8	60.3	<5.0	2,600	--	--	--
05/04/99	96.91	84.05	12.86	--	--	--	--	--	--	--	--	--	--
06/29/99	96.91	83.98	12.93	--	2,030	238	11.6	8.98	<5.0	540	--	--	--
09/29/99	96.91	84.02	12.89	--	2,000	320	10.4	16.5	20.3	642	--	--	--
12/08/99	96.91	86.18	10.73	--	96.8	2.74	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	96.91	84.31	12.60	--	<50	6.92	<0.5	<0.5	<0.5	254	--	--	--
06/23/00	96.91	83.98	12.93	--	1,700[4]	490	7.5	<5.0	7.7	770	--	--	--
09/30/00	96.91	83.95	12.96	--	2,000[4]	420	14	<10	<10	380	--	--	--
12/08/00	96.91	83.98	12.93	--	984	54.9	<2.50	4.15	<2.50	306	--	--	--
03/01/01	96.91	84.15	12.76	--	<50.0	4.16	<0.500	<0.500	<0.500	245	--	--	--
06/19/01	96.91	83.23	13.68	--	1,700[4]	250	9.2	<5.0	6.9	410	--	--	--
09/18/01	96.91	83.96	12.95	--	1,700	42	1.9	2.0	2.9	280	--	--	--
12/26/01	96.91	83.88	13.03	--	<50	0.50	<0.50	<0.50	<1.5	120	--	--	--
03/06/02	97.81	84.82	12.99	--	670	170	2.5	<0.50	<1.5	410	--	--	--
06/21/02	**97.81**	**84.10**	**13.71**	**--**	**1,800**	**120**	**7.3**	**2.0**	**3.1**	**440**	**--**	**--**	**--**
MW-3													
05/29/97	97.86	86.41	11.45	--	--	--	--	--	--	--	--	--	--
06/04/97[3]	97.86	86.58	11.28	1200	<50	<0.5	<0.5	<0.5	<0.5	<5.0	ND	1.0	--
09/16/97	97.86	85.67	12.19	2,700[1]	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
12/17/97	97.86	87.06	10.80	1,200[1]	<50	0.9	0.53	<0.5	<0.5	<2.5	--	--	--
03/18/98	97.86	86.98	10.88	820[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/28/98	97.86	86.26	11.60	1,100[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.99	ND	<0.5-<5.0
09/07/98	97.86	85.64	12.22	1,100[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.79	0.54	--
12/29/98	97.86	86.06	11.80	1,760[1]	185	<0.5	<0.5	<0.5	0.669	<2.0	1.04	0.578	<0.5-<5.0
03/11/99	97.86	86.83	11.03	1440	<50	<0.5	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0-<20
05/04/99	97.86	86.43	11.43	--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-3 (cont)													
06/29/99	97.86	85.71	12.15	690[1]	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.754	<0.5	<0.5-<5.0
09/29/99	97.86	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
12/08/99	97.86	88.43	9.43	1,000[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	0.66	<0.5-<5.0
03/01/00	97.86	87.16	10.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.821	0.984	<0.5-<5.0
06/23/00	97.86	85.96	11.90	2,600[5]	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<2.0	<2.0	<0.5-<2.0
09/30/00	97.86	85.45	12.41	1,100[5]	<50	<0.50	0.61	<0.50	0.82	2.7	<2.0	<2.0	<0.50-<2.0
12/08/00	97.86	85.78	12.08	870[5]	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	<2.0	<0.50-<10
03/01/01	97.86	87.09	10.77	1,060[6]	60.9[7]	<0.500	<0.500	<0.500	<0.500	<2.50	0.545	0.528	<0.500-<5.00
06/19/01	97.86	85.87	11.99	120[5]	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.2	<1.6	<0.50-<2.0
09/18/01	97.86	85.19	12.67	4,800	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1[8]	<2[8]	<1-<2[8]
12/26/01	97.86	86.92	10.94	5,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1[8]	<2[8]	<1-<2.0[8]
03/06/02	98.78	87.20	11.58	30,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1[8]	<2[8]	<1-<2.0[8]
06/21/02	**98.78**	**86.23**	**12.55**	**3,800[10]**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**<1[8]**	**<2[8]**	**<1-<2.0[8]**
MW-4													
05/04/99	96.25	83.66	12.59	--	140	<0.5	0.62	0.67	2.6	<2.5	--	--	--
06/29/99	96.25	83.64	12.61	--	183	<0.5	<0.5	1.1	<0.5	<5.0	--	--	--
09/29/99	96.25	83.70	12.55	--	64.3	<0.5	<0.5	<0.5	1.18	<2.5	--	--	--
12/08/99	96.25	83.81	12.44	--	91.2	0.589	<0.5	0.52	<0.5	86	--	--	--
03/01/00	96.25	84.55	11.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/23/00	96.25	84.12	12.13	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	96.25	84.30	11.95	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	96.25	83.85	12.40	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	96.25	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/19/01	96.25	82.83	13.42	--	210[7]	7.6	1.4	<0.50	<0.50	10	--	--	--
09/18/01	96.25	83.17	13.08	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
12/26/01	96.25	83.36	12.89	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/06/02	97.14	84.06	13.08	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
06/21/02	**97.14**	**83.63**	**13.51**	**--**	**<50**	**<0.50**	**12**	**<0.50**	**<1.5**	**<2.5**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-5													
03/06/02[9]	95.71	84.31	11.40	--	4,900	18	2.7	29	9.8	290	--	--	--
06/21/02	**95.71**	**83.29**	**12.42**	**--**	**1,400**	**3.6**	**1.4**	**<0.50**	**1.6**	**190**	**--**	**--**	**--**
MW-6													
03/06/02[9]	95.84	85.67	10.17	--	220	<0.50	<0.50	<0.50	<1.5	53	--	--	--
06/21/02	**95.84**	**84.86**	**10.98**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**15**	**--**	**--**	**--**
TRIP BLANK													
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
12/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
03/18/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
05/04/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/08/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/23/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
06/19/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/18/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708

5910 MacArthur Boulevard

Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
QA													
12/26/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/06/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
06/21/02	**--**	**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH-D Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
1,2-DCB = 1,2-Dichlorobenzene
1,2-DCA = 1,2-Dichloroethane
HVOCs = Halogenated Volatile Organic Compounds
ND = Not Detected
-- = Not Measured/Not Analyzed
QA = Quality Assurance

* TOC elevations were surveyed in February 2002, by Morrow Surveying. Elevations are based on City of Oakland Benchmark; a standard city of Oakland disc stamped "SEC 50 STA F" set under a standard casting on the monument line of Camden Street and 72 feet westerly of the monument at Seminary and Camden, (Elevation = 90.63 feet).

♦ Analysis by EPA Method 8010.

1 Chromatogram pattern indicates an unidentified hydrocarbon.

2 Confirmation run.

3 Sample also analyzed for the following: Total Oil & Grease by EPA Method 5520F was ND; Semivolatile Organics by EPA Method 8270B were ND; Volatile Organics by EPA Method 8010B were ND.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates unidentified hydrocarbons >C16.

6 Laboratory report indicates unidentified hydrocarbons C9-C24.

7 Laboratory report indicates unidentified hydrocarbons C6-C12.

8 Volatile Organic Compounds (VOCs) by EPA Method 8260.

9 Well development performed.

10 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.

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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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 polyvinyl chloride 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 Chevron-designated 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.

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: Chevron/Texaco #9-9708 Job Number: 386395
Site Address: 5910 MacArthur Blvd. Event Date: 6.21.02
City: Oakland, CA Sampler: TC

Well ID: MW-1 Well Condition: O.K
Well Diameter: 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth: 19.95 ft.
Depth to Water: 12.60 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

7.35 xVF .17 = 1.24 x3 (case volume) = Estimated Purge Volume: 4 gal.

Purge Equipment:
- Disposable Bailer: ✓
- Stainless Steel Bailer:
- Stack Pump:
- Suction Pump:
- Grundfos:
- Other:

Sampling Equipment:
- Disposable Bailer: ✓
- Pressure Bailer:
- Discrete Bailer:
- Other:

Start Time (purge): 1205 Weather Conditions: Cloudy
Sample Time/Date: 1217-1 6.21.02 Water Color: Cloudy Odor: SLIGHT
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1207	1.5	7.26	1224	66.5		
1209	3.0	7.02	1162	65.7		
1211	4.0	7.12	1158	66.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
MW-	x ambers	YES	NP	LANCASTER	TPH-D

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: Chevron/Texaco #9-9708 Job Number: 386395
Site Address: 5910 MacArthur Blvd. Event Date: 6-21-02
City: Oakland, CA Sampler: TC

Well ID MW-2 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth 19.91 ft.
Depth to Water 13.71 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

6.20 xVF .17 = 1.0 x3 (case volume) = Estimated Purge Volume: 3 gal.

Purge Equipment:
- Disposable Bailer ✓
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Other:

Sampling Equipment:
- Disposable Bailer ✓
- Pressure Bailer
- Discrete Bailer
- Other:

Start Time (purge): 1140 Weather Conditions: Cloudy
Sample Time/Date: 1152 / 6-21-02 Water Color: Cloudy Odor: YES
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
1142	1.0	7.38	924	66.4		
1144	2.0	7.26	1020	66.8		
1146	3.0	7.20	1016	66.7		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
MW-	x ambers	YES	NP	LANCASTER	TPH-D

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: Chevron/Texaco #9-9708 Job Number: 386395
Site Address: 5910 MacArthur Blvd. Event Date: 6-21-02
City: Oakland, CA Sampler: TC

Well ID MW-3 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth 19.80 ft.
Depth to Water 12.55 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

7.25 xVF .17 = 1.23 x3 (case volume) = Estimated Purge Volume: 3½ gal.

Purge Equipment:
- Disposable Bailer ✓
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Other:

Sampling Equipment:
- Disposable Bailer ✓
- Pressure Bailer
- Discrete Bailer
- Other:

Start Time (purge): 1036 Weather Conditions: Cloudy
Sample Time/Date: 1054 / 6-21-02 Water Color: Cloudy Odor: Yes
Purging Flow Rate: — gpm. Sediment Description: SHEEN
Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C (F))	D.O. (mg/L)	ORP (mV)
1038	1.0	7.24	1226	67.4		
1040	2.0	7.16	1218	66.8		
1042	3.5	7.12	1212	66.4		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6 x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE / HVOC's 8260
MW-	2 x ambers	YES	NP	LANCASTER	TPH-D

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: Chevron/Texaco #9-9708 Job Number: 386395
Site Address: 5910 MacArthur Blvd. Event Date: 6-21-02
City: Oakland, CA Sampler: TC

Well ID MW-4 Well Condition: o.k
Well Diameter 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth 19.18 ft.
Depth to Water 13.54 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

5.67 xVF .17 = .963 x3 (case volume) = Estimated Purge Volume: 3 gal.

Purge Equipment:
- Disposable Bailer: ✓
- Stainless Steel Bailer:
- Stack Pump:
- Suction Pump:
- Grundfos:
- Other:

Sampling Equipment:
- Disposable Bailer: ✓
- Pressure Bailer:
- Discrete Bailer:
- Other:

Start Time (purge): 1111 Weather Conditions: Cloudy
Sample Time/Date: 1125 / 6-21-02 Water Color: BROWN / Odor: SLIGHT
Purging Flow Rate: — gpm. Sediment Description: SILTY / FINE GRAIN SAND
Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
1114	1.0	7.29	864	65.2		
1116	2.0	7.30	921	66.1		
1120	3.0	7.36	930	66.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
MW-	x ambers	YES	NP	LANCASTER	TPH-D

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: Chevron/Texaco #9-9708 Job Number: 386395
Site Address: 5910 MacArthur Blvd. Event Date: 6.21.02
City: Oakland, CA Sampler: TC

Well ID MW- 5 Well Condition: o.k
Well Diameter 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth 18.53 ft.
Depth to Water 12.42 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

6.11 xVF .17 = 1.03 x3 (case volume) = Estimated Purge Volume: 3 gal.

Purge Equipment:
- Disposable Bailer ✓
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Other:

Sampling Equipment:
- Disposable Bailer ✓
- Pressure Bailer
- Discrete Bailer
- Other:

Start Time (purge): 0945 Weather Conditions: cloudy
Sample Time/Date: 0959/6.21.02 Water Color: cloudy Odor: SLIGHT
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? NO If yes, Time: Volume: gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0947	1.0	7.24	1242	67.4		
0949	2.0	7.16	1216	67.1		
0951	3.0	7.12	1210	66.9		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- 5	3 x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
MW-	x ambers	YES	NP	LANCASTER	TPH-D

COMMENTS:

Add/Replaced Lock: Add/Replaced Plug: Size:

GETTLER-RYAN INC.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/Facility #: Chevron/Texaco #9-9708 Job Number: 386395
Site Address: 5910 MacArthur Blvd. Event Date: 6-21-02
City: Oakland, CA Sampler: TC

Well ID MW-6 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 ft. Amount Bailed (product/water): 0 gal.
Total Depth 18.61 ft.
Depth to Water 10.98 ft.

Volume Factor (VF)	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

7.63 xVF .17 = 1.29 x3 (case volume) = Estimated Purge Volume: 4 gal.

Purge Equipment:
- Disposable Bailer ✓
- Stainless Steel Bailer
- Stack Pump
- Suction Pump
- Grundfos
- Other:

Sampling Equipment:
- Disposable Bailer ✓
- Pressure Bailer
- Discrete Bailer
- Other:

Start Time (purge): 0920 Weather Conditions: Cloudy
Sample Time/Date: 0934 / 6-21-02 Water Color: LGT. BROWN Odor: NO
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? NO If yes, Time: _____ Volume: _____ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
0922	1.0	7.32	1164	69.6		
0924	2.0	7.26	1128	68.2		
0926	4.0	7.20	1118	68.0		

LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 x voa vial	YES	HCL	LANCASTER	TPH-G/BTEX/MTBE
MW-	x ambers	YES	NP	LANCASTER	TPH-D

COMMENTS:

Add/Replaced Lock: _____ Add/Replaced Plug: _____ Size: _____

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

Acct. #: 10905 | For Lancaster Laboratories use only Sample #: 384233 1-37 | SCR#:

062402-004

Group #812091

Facility #: 9-9708 Job# 386395 Global ID #T0600102093
Site Address: 5910 MACARTHUR BLVD., OAKLAND, CA
Chevron PM: Karen Streich Lead Consultant: Delta/G-R
Consultant/Office: G-R Inc. 6747 Sierra Ct #J, Dublin, CA 94568
Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Tony CAMARDA
Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

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

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water (Potable ☐ NPDES ☐)	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐	H (formally 8260)
QA	6-21-02	—				X		2	X	X					
MW-1		1217	X			X		3	X	X					
MW-2		1152	X			X		3	X	X					
MW-3		1054	X			X		3	X	X	X				X
MW-4		1125	X			X		3	X	X	·				
MW-5		0959	X			X		3	X	X					
MW-6	↓	0934	X			X		3	X	X					

Comments / Remarks

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

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Tony V. Camarda	6-21-02			6/24	1400
2		6/24	1400		6/24/02	1400
3		6-25-02	1500	Airborne	6-25-02	
	Relinquished by Commercial Carrier: UPS FedEx Other Airborne					
	Temperature Upon Receipt 2.5°C			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

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

Lancaster Laboratories
Where quality is a science.

ANALYTICAL RESULTS

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

RECEIVED
JUL 15 2002

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 812691. Samples arrived at the laboratory on Wednesday, June 26, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description			Lancaster Labs Number
QA-T-020621	NA	Water	3842331
MW-1-W-020621	Grab	Water	3842332
MW-2-W-020621	Grab	Water	3842333
MW-3-W-020621	Grab	Water	3842334
MW-4-W-020621	Grab	Water	3842335
MW-5-W-020621	Grab	Water	3842336
MW-6-W-020621	Grab	Water	3842337

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Delta C/O Gettler-Ryan Attn: Deanna L. Harding

Lancaster Laboratories
Where quality is a science.

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

Respectfully Submitted,

Steven A Skiles
Steven A. Skiles
Sr. Chemist

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3842331

Collected:06/21/2002 00:00

Account Number: 10905

Submitted: 06/26/2002 14:00
Reported: 07/12/2002 at 11:21
Discard: 08/12/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

QA-T-020621 NA Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 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	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.					
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

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/28/2002 04:54	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	06/28/2002 04:54	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/28/2002 04:54	Melissa D Mann	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit.

MEMBER ACIL
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3842332

Collected:06/21/2002 12:17 by TC

Account Number: 10905

Submitted: 06/26/2002 14:00
Reported: 07/12/2002 at 11:21
Discard: 08/12/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-1-W-020621 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-1

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.	93.	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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	8.2	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	1.2	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	1,300.	2.5	ug/l	5

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/01/2002 06:26	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	06/28/2002 17:10	Steven J Stabinger	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	07/01/2002 06:26	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/28/2002 17:10	Linda C Pape	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3842333

Collected:06/21/2002 11:52 by TC

Account Number: 10905

Submitted: 06/26/2002 14:00
Reported: 07/12/2002 at 11:21
Discard: 08/12/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-2-W-020621 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-2

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.	1,800.	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.						
08214	BTEX, MTBE (8021)						
00776	Benzene	71-43-2	120.	0.50	ug/l		1
00777	Toluene	108-88-3	7.3	0.50	ug/l		1
00778	Ethylbenzene	100-41-4	2.0	0.50	ug/l		1
00779	Total Xylenes	1330-20-7	3.1	1.5	ug/l		1
00780	Methyl tert-Butyl Ether	1634-04-4	440.	2.5	ug/l		1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	06/28/2002 09:14	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	06/28/2002 09:14	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	06/28/2002 09:14	Melissa D Mann	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

MEMBER ACIL

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3842334

Collected:06/21/2002 10:54 by TC

Account Number: 10905

Submitted: 06/26/2002 14:00
Reported: 07/12/2002 at 11:21
Discard: 08/12/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-3-W-020621 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-3

MOMW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	3,800.	630.	ug/l	25
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. The observed sample pattern is not typical of diesel/#2 fuel oil.					
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.					
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
05382	EPA SW846/8260 (water)					
05385	Chloromethane	74-87-3	N.D.	2.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	2.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	2.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	1.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	1.	ug/l	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3842334

Collected:06/21/2002 10:54 by TC

Account Number: 10905

Submitted: 06/26/2002 14:00
Reported: 07/12/2002 at 11:21
Discard: 08/12/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-3-W-020621 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-3

MOMW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	1.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	1.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	1.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	1.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	1.	ug/l	1
05383	EPA SW846/8260 (water) cont					
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
08202	EPA SW 846/8260 - Water					
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
08203	Freon 113	76-13-1	N.D.	2.0	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit.

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Lancaster Laboratories Sample No. WW 3842334

Collected:06/21/2002 10:54 by TC

Account Number: 10905

Submitted: 06/26/2002 14:00
Reported: 07/12/2002 at 11:21
Discard: 08/12/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-3-W-020621 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-3

MOMW3

05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	07/02/2002 17:50	Tracy A Cole	25
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/01/2002 04:18	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	07/01/2002 04:18	Linda C Pape	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	06/29/2002 14:05	Susan McMahon-Luu	1
05383	EPA SW846/8260 (water) cont	SW-846 8260B	1	06/29/2002 14:05	Susan McMahon-Luu	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	06/29/2002 14:05	Susan McMahon-Luu	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/01/2002 04:18	Linda C Pape	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/29/2002 14:05	Susan McMahon-Luu	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	06/28/2002 01:20	JoElla L Rice	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Analysis Report

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3842335

Collected:06/21/2002 11:25 by TC

Account Number: 10905

Submitted: 06/26/2002 14:00
Reported: 07/12/2002 at 11:21
Discard: 08/12/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-4-W-020621 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	12.	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

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/01/2002 04:50	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	07/01/2002 04:50	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/01/2002 04:50	Linda C Pape	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3842336

Collected:06/21/2002 09:59 by TC

Account Number: 10905

Submitted: 06/26/2002 14:00
Reported: 07/12/2002 at 11:21
Discard: 08/12/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-5-W-020621 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-5

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.	1,400.	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.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	3.6	0.50	ug/l	1
00777	Toluene	108-88-3	1.4	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	1.6	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	190.	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/01/2002 05:22	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	07/01/2002 05:22	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/01/2002 05:22	Linda C Pape	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

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Lancaster Laboratories Sample No. WW 3842337

Collected:06/21/2002 09:34 by TC

Account Number: 10905

Submitted: 06/26/2002 14:00
Reported: 07/12/2002 at 11:21
Discard: 08/12/2002

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

MW-6-W-020621 Grab Water
Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
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	15.	2.5	ug/l	1

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	07/01/2002 05:54	Linda C Pape	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	07/01/2002 05:54	Linda C Pape	1
01146	GC VOA Water Prep	SW-846 5030B	1	07/01/2002 05:54	Linda C Pape	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster, PA 17605-2425
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Quality Control Summary

Client Name: ChevronTexaco Group Number: 812691
Reported: 07/12/02 at 11:21 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 021780002A	Sample number(s): 3842334							
TPH - DRO CA LUFT (Waters)	N.D.	50.	ug/l	94	94	54-120	0	20
Batch number: 02178A02A	Sample number(s): 3842331,3842333							
Benzene	N.D.	0.5	ug/l	98	89	80-118	10	30
Toluene	N.D.	0.5	ug/l	97	90	82-119	7	30
Ethylbenzene	N.D.	0.5	ug/l	96	90	81-119	6	30
Total Xylenes	N.D.	1.5	ug/l	97	90	82-120	7	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	101	94	79-127	7	30
TPH-GRO - Waters	N.D.	50.	ug/l	91	93	76-126	3	30
Batch number: 02178A02B	Sample number(s): 3842332,3842334-3842337							
Benzene	N.D.	0.5	ug/l	98	89	80-118	10	30
Toluene	N.D.	0.5	ug/l	97	90	82-119	7	30
Ethylbenzene	N.D.	0.5	ug/l	96	90	81-119	6	30
Total Xylenes	N.D.	1.5	ug/l	97	90	82-120	7	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	101	94	79-127	7	30
TPH-GRO - Waters	N.D.	50.	ug/l	91	93	76-126	3	30
Batch number: N021801AA	Sample number(s): 3842334							
Chloromethane	N.D.	2.	ug/l	93		44-118		
Vinyl Chloride	N.D.	1.	ug/l	102		55-121		
Bromomethane	N.D.	2.	ug/l	101		34-126		
Chloroethane	N.D.	2.	ug/l	104		53-117		
Trichlorofluoromethane	N.D.	2.	ug/l	99		54-142		
1,1-Dichloroethene	N.D.	1.	ug/l	111		67-140		
Methylene Chloride	N.D.	2.	ug/l	109		84-128		
trans-1,2-Dichloroethene	N.D.	1.	ug/l	108		83-129		
1,1-Dichloroethane	N.D.	1.	ug/l	101		77-129		
cis-1,2-Dichloroethene	N.D.	1.	ug/l	95		85-126		
Chloroform	N.D.	1.	ug/l	97		86-124		
1,1,1-Trichloroethane	N.D.	1.	ug/l	94		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	93		77-130		
1,2-Dichloroethane	N.D.	2.	ug/l	95		77-132		
Trichloroethene	N.D.	1.	ug/l	90		87-117		
1,2-Dichloropropane	N.D.	1.	ug/l	89		83-123		
Bromodichloromethane	N.D.	1.	ug/l	90		83-121		
1,1,2-Trichloroethane	N.D.	1.	ug/l	89		86-120		
Tetrachloroethene	N.D.	1.	ug/l	97		79-136		
Dibromochloromethane	N.D.	1.	ug/l	90		78-119		
Chlorobenzene	N.D.	1.	ug/l	95		87-121		
Bromoform	N.D.	1.	ug/l	76		69-121		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	81		72-119		
1,3-Dichlorobenzene	N.D.	1.	ug/l	90		82-119		
1,4-Dichlorobenzene	N.D.	1.	ug/l	90		84-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	88		84-117		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	93		79-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	92		78-114		

*- 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: 812691
Reported: 07/12/02 at 11:21 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Freon 113	N.D.	2.	ug/l	110		73-139		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02178A02A	Sample number(s): 3842331,3842333								
Benzene	92	97	77-131	6	30				
Toluene	95	96	80-128	2	30				
Ethylbenzene	94	100	76-132	6	30				
Total Xylenes	95	99	76-132	4	30				
Methyl tert-Butyl Ether	92	100	61-144	8	30				
TPH-GRO - Waters	78	86	74-132	10	30				
Batch number: 02178A02B	Sample number(s): 3842332,3842334-3842337								
Benzene	92	97	77-131	6	30				
Toluene	95	96	80-128	2	30				
Ethylbenzene	94	100	76-132	6	30				
Total Xylenes	95	99	76-132	4	30				
Methyl tert-Butyl Ether	92	100	61-144	8	30				
TPH-GRO - Waters	78	86	74-132	10	30				
Batch number: N021801AA	Sample number(s): 3842334								
Chloromethane	105	110	42-125	5	30				
Vinyl Chloride	116	119	54-133	3	30				
Bromomethane	116	117	36-133	1	30				
Chloroethane	118	115	55-129	2	30				
Trichlorofluoromethane	116	119	58-157	2	30				
1,1-Dichloroethene	130	129	75-152	1	30				
Methylene Chloride	113	114	81-134	1	30				
trans-1,2-Dichloroethene	119	120	78-140	1	30				
1,1-Dichloroethane	113	112	77-142	1	30				
cis-1,2-Dichloroethene	100	99	79-133	1	30				
Chloroform	105	105	76-138	0	30				
1,1,1-Trichloroethane	110	113	78-141	3	30				
Carbon Tetrachloride	111	111	75-149	1	30				
1,2-Dichloroethane	108	107	75-141	1	30				
Trichloroethene	99	101	82-133	2	30				
1,2-Dichloropropane	91	90	82-128	1	30				
Bromodichloromethane	98	101	81-127	2	30				
1,1,2-Trichloroethane	87	88	82-127	1	30				
Tetrachloroethene	106	103	81-148	4	30				
Dibromochloromethane	91	92	74-125	1	30				
Chlorobenzene	97	98	81-125	1	30				
Bromoform	77	77	62-127	1	30				

*- 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: 812691
Reported: 07/12/02 at 11:21 AM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2,2-Tetrachloroethane	75	73	69-121	3	30				
1,3-Dichlorobenzene	89	89	82-128	0	30				
1,4-Dichlorobenzene	89	88	81-122	1	30				
1,2-Dichlorobenzene	89	87	82-125	2	30				
trans-1,3-Dichloropropene	96	96	70-120	0	30				
cis-1,3-Dichloropropene	95	95	70-123	1	30				
Freon 113	128	126	76-157	1	30				

Surrogate Quality Control

Analysis Name: TPH - DRO CA LUFT (Waters)
Batch number: 021780002A

	Orthoterphenyl
3842334	69
Blank	99
LCS	90
LCSD	90
Limits:	59-139

Analysis Name: TPH-GRO - Waters
Batch number: 02178A02A

	Trifluorotoluene-F	Trifluorotoluene-P
3842331	82	94
3842333	120	109
Blank	84	93
LCS	93	92
LCSD	95	91
MS	92	91
MSD	93	93
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters
Batch number: 02178A02B

	Trifluorotoluene-F	Trifluorotoluene-P
3842332	87	91
3842334	84	91
3842335	86	91
3842336	94	91
3842337	85	94
Blank	85	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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Quality Control Summary

Client Name: ChevronTexaco
Group Number: 812691
Reported: 07/12/02 at 11:21 AM

Surrogate Quality Control

LCS	93	92
LCSD	95	91
MS	92	91
MSD	93	93
Limits:	67-135	71-130

Analysis Name: EPA SW846/8260 (water)
Batch number: N021801AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3842334	98	94	100	95
Blank	96	96	101	94
LCS	95	94	103	99
MS	98	91	100	100
MSD	98	91	100	101
Limits:	86-118	80-120	88-110	86-115

*- 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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RO214

Don

GETTLER-RYAN INC.

TRANSMITTAL

April 22, 2002
G-R #386395

TO: Mr. James Brownell
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670

CC: Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Chevron Service Station
#9-9708
5910 MacArthur Boulevard
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	April 12, 2002	Groundwater Monitoring and Sampling Report First Quarter - Event of March 6, 2002

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***May 6, 2002***, at which time the final report will be distributed to the following:

cc: Mr. Thomas Peacock, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
Mr. Nisson Saidion, 5910 MacArthur Boulevard, Oakland, CA 94605

Enclosures

6747 Sierra Court, Suite J • Dublin, California 94568 • (925) 551-7555

GETTLER-RYAN INC.

April 12, 2002
G-R Job #386395

Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

RE: First Quarter Event of March 6, 2002
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

Dear Mr. Bauhs:

This report documents the well development and 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.

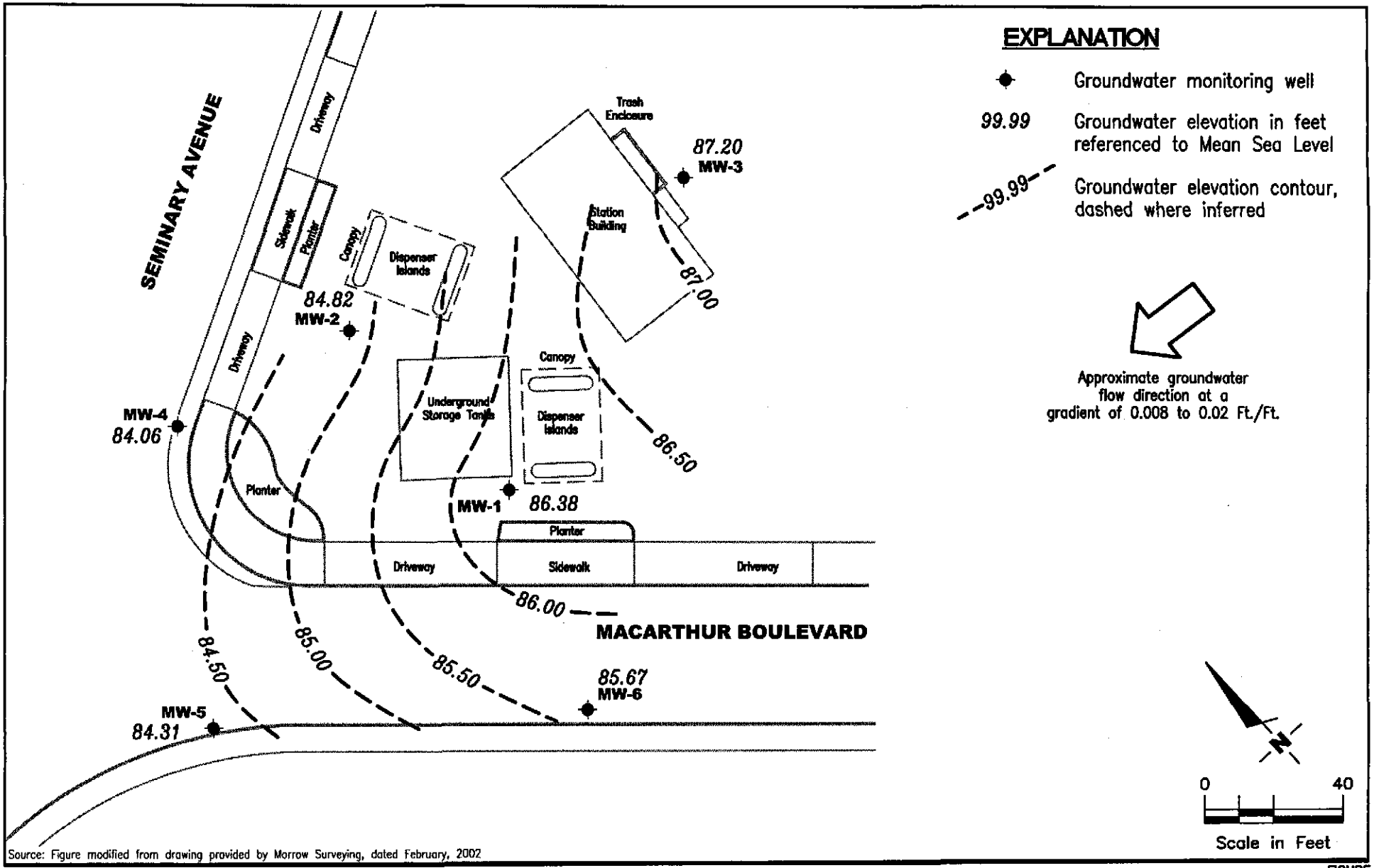
Sincerely,

Anamarie Nercau
-FOR-
Deanna L. Harding
Project Coordinator

REGISTERED GEOLOGIST
DOUGLAS J. LEE
No. 6882
STATE OF CALIFORNIA

Douglas J. Lee
Senior Geologist, R.G. No. 6882

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by Morrow Surveying, dated February, 2002

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

POTENTIOMETRIC MAP
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386395		March 6, 2002	

FILE NAME: P:\Enviro\Chevron\9-9708\Q02-9-9708.dwg | Layout Tab: Pot1

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft)	GWE (msl)	DTW (ft)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-1													
05/29/97	96.61	84.41	12.20	--	--	--	--	--	--	--	--	--	--
06/04/97	96.61	84.40	12.21	--	380	58	1.2	5.4	40	85	--	--	--
09/16/97	96.61	83.84	12.77	--	420	120	<0.5	19	2.7	28	--	--	--
12/17/97	96.61	85.43	11.18	--	210[1]	43	0.61	11	0.61	69	--	--	--
03/18/98	96.61	84.59	12.02	--	210[1]	47	<0.5	8.2	<0.5	92	--	--	--
06/28/98	96.61	83.99	12.62	--	<50	<0.5	<0.5	<0.5	<0.5	66	--	--	--
09/07/98	96.61	82.32	14.29	--	<50	6.7	<0.5	<0.5	<0.5	92	--	--	--
12/29/98	96.61	83.18	13.43	--	<100	<1.0	<1.0	2.24	1.14	278	--	--	--
03/11/99	96.61	83.80	12.81	--	110	<1.0	<1.0	7.95	<1.0	418	--	--	--
05/04/99	96.61	83.85	12.76	--	--	--	--	--	--	--	--	--	--
06/29/99	96.61	84.06	12.55	--	352	34.6	<2.5	51	<2.5	780	--	--	--
09/29/99	96.61	83.21	13.40	--	647	167	<2.5	58.6	14.8	1,570	--	--	--
12/08/99	96.61	85.70	10.91	--	481	121	1.16	17.9	11	3,910	--	--	--
03/01/00	96.61	85.46	11.15	--	2,580	481	6.84	86.6	41.9	5,460	--	--	--
06/23/00	96.61	83.68	12.93	--	900[4]	120	<5.0	22	6.7	5,400	--	--	--
09/30/00	96.61	83.07	13.54	--	1,300[4]	450	5.5	170	11	2,000	--	--	--
12/08/00	96.61	83.63	12.98	--	<1,000	41.7	<10.0	11.5	<10.0	6,030	--	--	--
03/01/01	96.61	84.94	11.67	--	340[7]	36.6	<0.500	10.1	<0.500	3,360	--	--	--
06/19/01	96.61	83.94	12.67	--	610[4]	110	<5.0	9.2	<5.0	110	--	--	--
09/18/01	96.61	83.48	13.13	--	200	32	0.55	3.0	<1.5	1,600	--	--	--
12/26/01	96.61	85.14	11.47	--	140	9.1	<0.50	1.2	<1.5	1,900	--	--	--
03/06/02	**97.52**	**86.38**	**11.14**	**--**	**93**	**7.0**	**<0.50**	**0.72**	**<1.5**	**1,000**	**--**	**--**	**--**
MW-2													
05/29/97	96.91	83.85	13.06	--	--	--	--	--	--	--	--	--	--
06/04/97	96.91	83.96	12.95	--	1,600	120	5.9	32	15	2,100	--	--	--
09/16/97	96.91	83.92	12.99	--	1,100	23	3.2	7.0	2.5	1,200	--	--	--
12/17/97	96.91	84.73	12.18	--	7,100[1]	650	69	610	69	4,700/2,600[2]	--	--	--
03/18/98	96.91	84.21	12.70	--	5,900[1]	250	<50	98	<50	12,000/7,100[2]	--	--	--
06/28/98	96.91	83.98	12.93	--	4,300	400	<10	<10	<10	3,000/4,000[2]	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft)	GWE (msl)	DTW (ft)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-2 (cont)													
09/07/98	96.91	83.94	12.97	--	3,700	220	5.1	38	7.6	1,300/1,400[2]	--	--	--
12/29/98	96.91	83.99	12.92	--	6,500	573	26.8	131	33.9	2,660	--	--	--
03/11/99	96.91	84.04	12.87	--	4,970	651	30.8	60.3	<5.0	2,600	--	--	--
05/04/99	96.91	84.05	12.86	--	--	--	--	--	--	--	--	--	--
06/29/99	96.91	83.98	12.93	--	2,030	238	11.6	8.98	<5.0	540	--	--	--
09/29/99	96.91	84.02	12.89	--	2,000	320	10.4	16.5	20.3	642	--	--	--
12/08/99	96.91	86.18	10.73	--	96.8	2.74	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	96.91	84.31	12.60	--	<50	6.92	<0.5	<0.5	<0.5	254	--	--	--
06/23/00	96.91	83.98	12.93	--	1,700[4]	490	7.5	<5.0	7.7	770	--	--	--
09/30/00	96.91	83.95	12.96	--	2,000[4]	420	14	<10	<10	380	--	--	--
12/08/00	96.91	83.98	12.93	--	984	54.9	<2.50	4.15	<2.50	306	--	--	--
03/01/01	96.91	84.15	12.76	--	<50.0	4.16	<0.500	<0.500	<0.500	245	--	--	--
06/19/01	96.91	83.23	13.68	--	1,700[4]	250	9.2	<5.0	6.9	410	--	--	--
09/18/01	96.91	83.96	12.95	--	1,700	42	1.9	2.0	2.9	280	--	--	--
12/26/01	96.91	83.88	13.03	--	<50	0.50	<0.50	<0.50	<1.5	120	--	--	--
03/06/02	**97.81**	**84.82**	**12.99**	**--**	**670**	**170**	**2.5**	**<0.50**	**<1.5**	**410**	**--**	**--**	**--**
MW-3													
05/29/97	97.86	86.41	11.45	--	--	--	--	--	--	--	--	--	--
06/04/97[3]	97.86	86.58	11.28	1200	<50	<0.5	<0.5	<0.5	<0.5	<5.0	ND	1.0	--
09/16/97	97.86	85.67	12.19	2,700[1]	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
12/17/97	97.86	87.06	10.80	1,200[1]	<50	0.9	0.53	<0.5	<0.5	<2.5	--	--	--
03/18/98	97.86	86.98	10.88	820[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/28/98	97.86	86.26	11.60	1,100[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.99	ND	<0.5-<5.0
09/07/98	97.86	85.64	12.22	1,100[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.79	0.54	--
12/29/98	97.86	86.06	11.80	1,760[1]	185	<0.5	<0.5	<0.5	0.669	<2.0	1.04	0.578	<0.5-<5.0
03/11/99	97.86	86.83	11.03	1440	<50	<0.5	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0-<20
05/04/99	97.86	86.43	11.43	--	--	--	--	--	--	--	--	--	--
06/29/99	97.86	85.71	12.15	690[1]	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.754	<0.5	<0.5-<5.0
09/29/99	97.86	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC* (ft)	GWE (msl)	DTW (ft)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-3 (cont)													
12/08/99	97.86	88.43	9.43	1,000[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	0.66	<0.5-<5.0
03/01/00	97.86	87.16	10.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.821	0.984	<0.5-<5.0
06/23/00	97.86	85.96	11.90	2,600[5]	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<2.0	<2.0	<0.5-<2.0
09/30/00	97.86	85.45	12.41	1,100[5]	<50	<0.50	0.61	<0.50	0.82	2.7	<2.0	<2.0	<0.50-<2.0
12/08/00	97.86	85.78	12.08	870[5]	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	<2.0	<0.50-<10
03/01/01	97.86	87.09	10.77	1,060[6]	60.9[7]	<0.500	<0.500	<0.500	<0.500	<2.50	0.545	0.528	<0.500-<5.00
06/19/01	97.86	85.87	11.99	120[5]	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.2	<1.6	<0.50-<2.0
09/18/01	97.86	85.19	12.67	4,800	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1[8]	<2[8]	<1-<2[8]
12/26/01	97.86	86.92	10.94	5,000	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1[8]	<2[8]	<1-<2.0[8]
03/06/02	**98.78**	**87.20**	**11.58**	**30,000**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**<1[8]**	**<2[8]**	**<1-<2.0[8]**
MW-4													
05/04/99	96.25	83.66	12.59	--	140	<0.5	0.62	0.67	2.6	<2.5	--	--	--
06/29/99	96.25	83.64	12.61	--	183	<0.5	<0.5	1.1	<0.5	<5.0	--	--	--
09/29/99	96.25	83.70	12.55	--	64.3	<0.5	<0.5	<0.5	1.18	<2.5	--	--	--
12/08/99	96.25	83.81	12.44	--	91.2	0.589	<0.5	0.52	<0.5	86	--	--	--
03/01/00	96.25	84.55	11.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/23/00	96.25	84.12	12.13	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	96.25	84.30	11.95	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	96.25	83.85	12.40	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	96.25	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/19/01	96.25	82.83	13.42	--	210[7]	7.6	1.4	<0.50	<0.50	10	--	--	--
09/18/01	96.25	83.17	13.08	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
12/26/01	96.25	83.36	12.89	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/06/02	**97.14**	**84.06**	**13.08**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**--**	**--**	**--**
MW-5													
03/06/02[9]	**95.71**	**84.31**	**11.40**	**--**	**4,900**	**18**	**2.7**	**29**	**9.8**	**290**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708

5910 MacArthur Boulevard

Oakland, California

WELL ID/ DATE	TOC* (ft)	GWE (msl)	DTW (ft)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-6													
03/06/02[9]	**95.84**	**85.67**	**10.17**	**--**	**220**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**53**	**--**	**--**	**--**
TRIP BLANK													
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
12/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
03/18/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
05/04/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/08/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/23/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
06/19/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/18/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
QA													
12/26/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
03/06/02	**--**	**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing	TPH-G = Total Petroleum Hydrocarbons as Gasoline	1,2-DCB = 1,2-Dichlorobenzene
(ft.) = Feet	B = Benzene	1,2-DCA = 1,2-Dichloroethane
GWE = Groundwater Elevation	T = Toluene	HVOCs = Halogenated Volatile Organic Compounds
(msl) = Mean sea level	E = Ethylbenzene	ND = Not Detected
DTW = Depth to Water	X = Xylenes	-- = Not Measured/Not Analyzed
TPH-D Total Petroleum Hydrocarbons as Diese	MTBE = Methyl tertiary butyl ether	QA = Quality Assurance

* TOC elevations were surveyed in February 2002, by Morrow Surveying. Elevations are based on City of Oakland Benchmark; a standard city of Oakland disc stamped "SEC 50 STA F" set under a standard casting on the monument line of Camden Street and 72 feet westerly of the monument at Seminary and Camden, (Elevation = 90.63 feet).

♦ Analysis by EPA Method 8010.

1 Chromatogram pattern indicates an unidentified hydrocarbon.

2 Confirmation run.

3 Sample also analyzed for the following: Total Oil & Grease by EPA Method 5520F was ND; Semivolatile Organics by EPA Method 8270B were ND; Volatile Organics by EPA Method 8010B were ND.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates unidentified hydrocarbons >C16.

6 Laboratory report indicates unidentified hydrocarbons C9-C24.

7 Laboratory report indicates unidentified hydrocarbons C6-C12.

8 Volatile Organic Compounds (VOCs) by EPA Method 8260.

9 Well development performed.

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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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 polyvinyl chloride 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 Chevron-designated 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.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-9708 Job#: 386395
Address: 5910 MacArthur Blvd. Date: 3/6/02
City: Oakland, CA Sampler: TC

Well ID MW-1 Well Condition: o.k
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 19.95 ft.
Depth to Water 11.14 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

8.81 X VF .17 = 1.4 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: ~~Disposable Bailer~~ ~~Bailer~~ Stack Suction Grundfos Other:

Sampling Equipment: Disposable Bailer Bailer Pressure Bailer Grab Sample Other:

Starting Time: ~~1356~~ 1356 Weather Conditions: cloudy
Sampling Time: 1408 Water Color: Cloudy Odor: SLIGHT
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1358	1.5	7.26	1321	67.6			
1400	3.0	7.16	1364	67.2			
1403	4.5	7.12	1358	67.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 - VOA VIALS	Y	HCL	LANCASTER	TPH(G)/btex/mtbe

COMMENTS: Took TOTAL well Depth.

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-9708 Job#: 386395
Address: 5910 MacArthur Blvd. Date: 3/6/02
City: Oakland, CA Sampler: TL

Well ID MW-2 Well Condition: 0.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 19.91 ft.
Depth to Water 12.99 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

6.92 X VF .17 = 1.1 X 3 (case volume) = Estimated Purge Volume: 3 1/2 (gal.)

Purge Equipment: (Disposable Bailer), Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: (Disposable Bailer), Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1413 Weather Conditions: cloudy
Sampling Time: 1425 Water Color: cloudy Odor: SLIGHT
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1416	1.0	7.02	1464	67.6			
1418	2.0	6.98	1412	67.0			
1420	3.5	6.92	1396	66.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3 - VOA VIALS	Y	HCL	LANCASTER	TPH(G)/btex/mtbe

COMMENTS: Took TOTAL well DEPTH.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-9708 Job#: 386395
Address: 5910 MacArthur Blvd. Date: 3/6/02
City: Oakland, CA Sampler: R

Well ID MW-3 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 19.80 ft.
Depth to Water 11.58 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

8.22 X VF .17 = 1.3 X 3 (case volume) = Estimated Purge Volume: 4.0 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1224 Weather Conditions: Cloudy
Sampling Time: 1235 Water Color: Cloudy Odor: YES
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? NO If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1226	1.5	7.21	1241	69.2			
1228	3.0	7.18	1209	69.0			
1230	4.0	7.16	1216	68.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	6- VOA VIALS	Y	HCL	LANCASTER	TPH(G)/btex/mtbe
				" "	Huoc's ~~8010~~ 8260
MW-3	1 X AMBER	Y	NP	" "	TPH-D

COMMENTS: Took total well depth

9/97-fieldat.fmn

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-9708 Job#: 386395
Address: 5910 MacArthur Blvd. Date: 3/6/02
City: Oakland, CA Sampler: TC

Well ID MW-4 Well Condition: o.k
Well Diameter 2 in. Hydrocarbon Thickness: Ø (feet) Amount Bailed (product/water): Ø (Gallons)
Total Depth 19.18 ft.
Depth to Water 13.08 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

6.10 X VF .17 = 1.0 X 3 (case volume) = Estimated Purge Volume: 3.6 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 1250 Weather Conditions: Cloudy
Sampling Time: 1305 Water Color: Brown Odor: No
Purging Flow Rate: _____ gpm. Sediment Description: Very Silty
Did well de-water? No If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1252	1.0	7.38	1321	68.1			
1255	2.0	7.29	1306	67.6			
1257	3.0	7.21	1298	67.0			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3 - VOA VIALS	Y	HCL	LANCASTER	TPH(G)/btex/mtbe

COMMENTS: Took TOTAL well Depth.

WELL MONITORING/DEVELOPMENT
FIELD DATA SHEET

Client/ CHEVRON
Facility #9-9708 Job#: 386395
Address: 5910 MACARTHUR BLVD. Date: 3/6/02
City: OAKLAND, CA. Sampler: TC

Well ID MW-5 Well Condition: O.K
Well Diameter 2" in. Hydrocarbon Thickness: 0 Ft. Amount Bailed (product/water): 0 (gal.)
pre-purge
Total Depth → 18.74 ft.
Depth to Water 11.40 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

7.34 x VF .17 = 1.2 x 10 (case volume) = Estimated Purge Volume: 12.5 (gal.)

Purge Equipment: Disposable Bailer / Bailer / Stack / Suction / Grundfos / (Other: 2" STAINLESS BAILER)

Sampling Equipment: (Disposable Bailer) / Bailer / Pressure Bailer / Grab Sample / Other:

Starting Time: 1112 Weather Conditions: cloudy / sprinkle
Sampling Time: 1340 Water Color: Brown Odor: yes
Purging Flow Rate: — gpm. Sediment Description: WATER HAD SOME FOAM DURING & PURGING
Did well de-water? yes If yes; Time: 1128 Volume: 7.0 (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1114	1.5	7.41	1121	69.2			
1116	3.0	7.26	1106	68.6			
1120	4.5	7.18	1042	68.2			
1124	5.5	7.02	1038	68.0			
1128	7.0	6.98	1029	67.8			
1316	8.0	6.64	964	67.9			
1320	9.0	6.82	932	68.0			
1324	10.0	6.71	948	67.6			
1328	11.0	6.80	956	67.4			
1332	12.5	6.92	918	67.3			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3XVOA 03RD	Y	HCL	LANCASTER	TPH-G / BTEX / MTBE

COMMENTS: LET WELL RECOVER APPOX. 1 hr 20 mins AFTER IT DE-WATERED pulled up ALOT OF SAND OUT OF WELL. WATER WAS ALSO FOAMY. (TOTAL well DEPTH AFTER PURGE = 18.53) *well cleaned up O.K WATER WAS clearer LAST...

WELL MONITORING/DEVELOPMENT
FIELD DATA SHEET

Client/ CHEVRON
Facility #9-9708 Job#: 386395
Address: 5910 MACARTHUR BLVD. Date: 3/6/02
City: OAKLAND, CA. Sampler: TC

Well ID MW-6 Well Condition: ok
Well Diameter 2" in. Hydrocarbon Thickness: 0 Ft. Amount Bailed (product/water): 0 (gal.)
Total Depth PRE-PURGE → 19.58 ft.
Depth to Water 10.17 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

8.41 X VF .17 = 1.4 X 10 (case volume) = Estimated Purge Volume: 14.0 (gal.)

Purge Equipment: Disposable Bailer / Bailer / ~~Stack~~ / Suction / Grundfos / Other: 2" STAINLESS
Sampling Equipment: ~~Disposable Bailer~~ / Bailer / Pressure Bailer / Grab Sample / Other:

Starting Time: 0951 Weather Conditions: RAIN
Sampling Time: 1045 Water Color: BROWN Odor: Y-S
Purging Flow Rate: 2.0 gpm. Sediment Description: SILTY
Did well de-water? YES If yes; Time: 1021 Volume: 10.5 (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
0954	1.5	7.42	1196	68.3			
0957	3.0	7.32	1246	68.0			
1000	4.5	7.22	1232	67.8			
1005	6.0	7.16	1216	67.8			
1018	7.5	7.21	1232	68.0			
1020	9.0	7.13	1186	67.6			
1021	10.5	7.08	1221	66.9			
1032	12.0	7.16	1206	67.0			
1033	13.5	7.21	1213	66.9			
1035	14.0	7.18	1226	66.8			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-6	3 X VOA VIAL	Y	HCL	LANCASTER	TPH-G / BTEX + MTBE

COMMENTS: WELL DE-WATERED AT 10½ GAL LET RECOVER FOR 10 MINS
* WELL CLEANED UP O.K LAST 3 CASING VOLUMES WATCH WAS LGT. BROWN W/ LGT. SILT. AFTER PURGE TWD = 18.61

S/S7-field.sh

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories
Where quality is a science.

080302-007

Acct. #: 10906 For Lancaster Laboratories use only Sample #: 3785197 - SCR#:

GLOBAL ID # T0600102093

Facility #: 9-9708 JOB # 386595
Site Address: 5910 MAC ARTHUR BLVD. OAKLAND, CA
Chevron PM: TOM BAUHS Lead Consultant: DELTA/GR
Consultant/Office: G-R, INC, 6747 SIERRA CT. DUBLIN, 94568
Consultant Prj. Mgr.: DEANNA L. HARDING (DEANNA@GRINC.COM)
Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
Sampler: Tony CAMARDA
Service Order #: ☐ Non SAR:

Matrix: Soil; Water (☐ Potable ☐ NPDES); Oil ☐; Air ☐

Analyses Requested — Preservation Codes: A (BTEX + MTBE), A (TPH 8015 MOD GRO), H (HVOC's 8260)

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil / Air	Total Number of Containers	BTEX + MTBE 8260 ☒ 8021 ☐	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates	Lead 7420 ☐ 7421 ☐	HVOC's 8260					
QA	5/6/02	—				X		2	X	X										
MW-1	↓	1408	X			X		3	X	X										
MW-2		1425	X			X		3	X	X										
MW-3		1235	X			X		8	X	X	X				X					
MW-4		1305	X			X		3	X	X										
MW-5		1340	X			X		3	X	X										
MW-6	↓	1045	X			X		3	X	X										

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

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Comments / Remarks

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

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

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	3/6/02	1715	[signature]	3/8/02	1225
[signature]	3/8/02		[signature]	3/8/02	1345
[signature]	3/8/02	1615	Airborne	3/8/02	
Relinquished by Commercial Carrier: UPS FedEx (Other) Airborne			[signature]	3/9/02	0915

Temperature Upon Receipt 1.5-4.5 C°
Custody Seals Intact? (Yes) No

3460 Rev. 7/30/01

Lancaster Laboratories
Where quality is a science.

ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 799685. Samples arrived at the laboratory on Saturday, March 09, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description			Lancaster Labs Number
QA-T-020306	NA	Water	3785197
MW-1-W-020306	Grab	Water	3785198
MW-2-W-020306	Grab	Water	3785199
MW-3-W-020306	Grab	Water	3785200
MW-4-W-020306	Grab	Water	3785201
MW-5-W-020306	Grab	Water	3785202
MW-6-W-020306	Grab	Water	3785203

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Delta C/O Gettler-Ryan Attn: Deanna L. Harding

Lancaster Laboratories
Where quality is a science.

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

Respectfully Submitted,

Victoria M. Martell
Chemist

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

CASE NARRATIVE

Prepared For:

Thomas Bauhs
Chevron Products Company
6001 Bollinger Canyon Road
Building L
P.O. Box 6004
San Ramon, CA 94583-0904

Prepared By:

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

SAMPLE GROUP

The sample group for this submittal is 799685. Samples arrived at the laboratory on Saturday, March 09, 2002.

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

COMMENTS

The percent recovery for the TPH-GRO surrogate was outside the QC limits for the MS associated with samples QA, MW-1 and MW-2 from Facility 99708. The compound met recovery criteria in the LCS/LCSD analysis.

Accurate surrogate recoveries could not be determined due to the dilution required for the TPH-DRO analysis of sample MW-3 from Facility 99708.

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3785197

Collected:03/06/2002 00:00

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:58
Discard: 04/18/2002
QA-T-020306 NA Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 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	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.
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

The percent recovery for the surrogate
was outside QC limits in the MS associated with this sample.
The compound met recovery criteria in the LCS/LCSD analysis.

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

Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/12/2002 17:25	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/12/2002 17:25	John B Kiser	1

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3785197

Collected:03/06/2002 00:00 Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:58
Discard: 04/18/2002
QA-T-020306 NA Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 QA

01146	GC VOA Water Prep	SW-846 5030B	1	03/12/2002 17:25	John B Kiser	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3785198

Collected:03/06/2002 14:08 by TC

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:58
Discard: 04/18/2002
MW-1-W-020306 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-1

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.	93.	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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
	The percent recovery for the surrogate was outside QC limits in the MS associated with this sample. The compound met recovery criteria in the LCS/LCSD analysis.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	7.0	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	0.72	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	1,000.	2.5	ug/l	5
	Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/13/2002 01:58	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 01:26	John B Kiser	5

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3785198

Collected:03/06/2002 14:08 by TC Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:58
Discard: 04/18/2002
MW-1-W-020306 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-1

08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 01:58	John B Kiser	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/13/2002 01:26	John B Kiser	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

MEMBER
ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3785199

Collected:03/06/2002 14:25 by TC

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:59
Discard: 04/18/2002
MW-2-W-020306 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-2

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.	670.	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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
	The percent recovery for the surrogate was outside QC limits in the MS associated with this sample. The compound met recovery criteria in the LCS/LCSD analysis.					
	Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	170.	0.50	ug/l	1
00777	Toluene	108-88-3	2.5	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	410.	2.5	ug/l	5
	Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor

#=Laboratory Method Detection limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3785199

Collected:03/06/2002 14:25 by TC

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:59
Discard: 04/18/2002
MW-2-W-020306 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-2

01729	TPH-GRO ~ Waters	N. CA LUFT Gasoline Method	1	03/13/2002 00:22	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 00:22	John B Kiser	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 21:38	Darvin L Martin	5
01146	GC VOA Water Prep	SW-846 5030B	1	03/13/2002 00:22	John B Kiser	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3785200

Collected:03/06/2002 12:35 by TC

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:59
Discard: 04/18/2002
MW-3-W-020306 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-3

M3026

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	30,000.	1,000.	ug/l	50
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level. The observed sample pattern is not typical of diesel/#2 fuel oil. Accurate surrogate recoveries could not be determined due to the dilution required for analysis of the sample.					
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.					
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 precision and accuracy at a batch level.					
05382	EPA SW846/8260 (water)					
05385	Chloromethane	74-87-3	N.D.	2.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	2.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	2.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3785200

Collected:03/06/2002 12:35 by TC

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:59
Discard: 04/18/2002
MW-3-W-020306 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-3

M3026

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05390	1,1-Dichloroethene	75-35-4	N.D.	1.	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	1.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	1.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	1.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	1.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	1.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	1.	ug/l	1
05383	EPA SW846/8260 (water) cont					
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
08202	EPA SW 846/8260 - Water					
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
08203	Freon 113	76-13-1	N.D.	2.0	ug/l	1

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

State of California Lab Certification No. 2116

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3785200

Collected:03/06/2002 12:35 by TC

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:59
Discard: 04/18/2002
MW-3-W-020306 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-3

M3026

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	03/14/2002 19:17	Tracy A Cole	50
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/13/2002 06:52	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 06:52	Melissa D Mann	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	03/13/2002 08:43	Kenneth L Boley Jr	1
05383	EPA SW846/8260 (water) cont	SW-846 8260B	1	03/13/2002 08:43	Kenneth L Boley Jr	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	03/13/2002 08:43	Kenneth L Boley Jr	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/13/2002 06:52	Melissa D Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/13/2002 08:43	Kenneth L Boley Jr	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	03/12/2002 01:30	JoElla L Rice	1

#=Laboratory Method Detection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Analysis Report

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3785201

Collected:03/06/2002 13:05 by TC

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:59
Discard: 04/18/2002
MW-4-W-020306 Grab Water

Chevron Products Company
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San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
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 precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/13/2002 00:40	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 00:40	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/13/2002 00:40	Melissa D Mann	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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Lancaster Laboratories Sample No. WW 3785202

Collected:03/06/2002 13:40 by TC

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:59
Discard: 04/18/2002
MW-5-W-020306 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-5

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.	4,900.	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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	18.	0.50	ug/l	1
00777	Toluene	108-88-3	2.7	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	29.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	9.8	1.5	ug/l	1
00780	Methyl tert-Butyl Ether	1634-04-4	290.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/13/2002 01:14	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 01:14	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/13/2002 01:14	Melissa D Mann	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Analysis Report

Lancaster Laboratories
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Lancaster Laboratories Sample No. WW 3785203

Collected:03/06/2002 10:45 by TC

Account Number: 10905

Submitted: 03/09/2002 09:25
Reported: 03/18/2002 at 16:59
Discard: 04/18/2002
MW-6-W-020306 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 MACARTHUR BLVD T0600102093 MW-6

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.	220.	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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
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	53.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/13/2002 01:49	Melissa D Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	03/13/2002 01:49	Melissa D Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/13/2002 01:49	Melissa D Mann	n.a.

#=Laboratory MethodDetection Limit Exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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Quality Control Summary

Client Name: Chevron Products Company
Reported: 03/18/02 at 04:59 PM

Group Number: 799685

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 020700013A	Sample number(s): 3785200							
TPH - DRO CA LUFT (Waters)	N.D.	50.	ug/l	91	83	54-120	10	20
Batch number: 02071A16A	Sample number(s): 3785197-3785199							
Benzene	N.D.	0.5	ug/l	102	102	80-118	0	30
Toluene	N.D.	0.5	ug/l	103	104	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	103	103	81-119	0	30
Total Xylenes	N.D.	1.5	ug/l	104	104	82-120	0	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	100	104	79-127	4	30
TPH-GRO - Waters	N.D.	50.	ug/l	100	102	76-126	1	30
Batch number: 02071A16B	Sample number(s): 3785199							
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	100	104	79-127	4	30
Batch number: 02071A53A	Sample number(s): 3785201-3785203							
Benzene	N.D.	0.5	ug/l	97	97	80-118	1	30
Toluene	N.D.	0.5	ug/l	97	97	82-119	1	30
Ethylbenzene	N.D.	0.5	ug/l	100	99	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	97	96	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	102	106	79-127	4	30
TPH-GRO - Waters	N.D.	50.	ug/l	103	102	76-126	1	30
Batch number: 02071A55B	Sample number(s): 3785200							
Benzene	N.D.	0.5	ug/l	98	98	80-118	1	30
Toluene	N.D.	0.5	ug/l	103	104	82-119	0	30
Ethylbenzene	N.D.	0.5	ug/l	107	108	81-119	1	30
Total Xylenes	N.D.	1.5	ug/l	107	107	82-120	1	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	101	99	79-127	2	30
TPH-GRO - Waters	N.D.	50.	ug/l	107		76-126		
Batch number: P020711AB	Sample number(s): 3785200							
Chloromethane	N.D.	2.	ug/l	102	102	44-118	1	30
Vinyl Chloride	N.D.	1.	ug/l	104	105	55-121	1	30
Bromomethane	N.D.	2.	ug/l	71	71	34-126	0	30
Chloroethane	N.D.	2.	ug/l	90	90	53-117	0	30
Trichlorofluoromethane	N.D.	2.	ug/l	92	95	54-142	3	30
1,1-Dichloroethene	N.D.	1.	ug/l	108	109	67-140	0	30
Methylene Chloride	N.D.	2.	ug/l	108	106	84-128	2	30
trans-1,2-Dichloroethene	N.D.	1.	ug/l	107	106	83-129	1	30
1,1-Dichloroethane	N.D.	1.	ug/l	106	107	77-129	1	30
cis-1,2-Dichloroethene	N.D.	1.	ug/l	103	105	85-126	2	30
Chloroform	N.D.	1.	ug/l	103	103	86-124	1	30
1,1,1-Trichloroethane	N.D.	1.	ug/l	104	104	83-127	0	30
Carbon Tetrachloride	N.D.	1.	ug/l	99	102	77-130	3	30
1,2-Dichloroethane	N.D.	2.	ug/l	106	106	77-132	0	30
Trichloroethene	N.D.	1.	ug/l	102	102	87-117	0	30
1,2-Dichloropropane	N.D.	1.	ug/l	99	101	83-123	1	30
Bromodichloromethane	N.D.	1.	ug/l	99	99	83-121	0	30
1,1,2-Trichloroethane	N.D.	1.	ug/l	104	104	86-120	0	30
Tetrachloroethene	N.D.	1.	ug/l	108	107	79-136	0	30
Dibromochloromethane	N.D.	1.	ug/l	99	98	78-119	0	30

*- 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: Chevron Products Company
Group Number: 799685
Reported: 03/18/02 at 04:59 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chlorobenzene	N.D.	1.	ug/l	103	103	87-121	0	30
Bromoform	N.D.	1.	ug/l	94	94	69-121	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	107	105	72-119	2	30
1,3-Dichlorobenzene	N.D.	1.	ug/l	108	107	82-119	0	30
1,4-Dichlorobenzene	N.D.	1.	ug/l	104	103	84-116	1	30
1,2-Dichlorobenzene	N.D.	1.	ug/l	105	104	84-117	1	30
trans-1,3-Dichloropropene	N.D.	1.	ug/l	96	97	79-120	1	30
cis-1,3-Dichloropropene	N.D.	1.	ug/l	98	99	78-114	1	30
Freon 113	N.D.	2.	ug/l	110	113	73-139	2	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 02071A16A	Sample number(s): 3785197-3785199								
TPH-GRO - Waters	111		74-132						
Batch number: 02071A53A	Sample number(s): 3785201-3785203								
Benzene	104		77-131						
Toluene	104		80-128						
Ethylbenzene	106		76-132						
Total Xylenes	103		76-132						
Methyl tert-Butyl Ether	108		61-144						
TPH-GRO - Waters	108		74-132						
Batch number: 02071A55B	Sample number(s): 3785200								
Benzene	104		77-131						
Toluene	113		80-128						
Ethylbenzene	116		76-132						
Total Xylenes	115		76-132						
Methyl tert-Butyl Ether	105		61-144						
TPH-GRO - Waters	109	111	74-132	2	30				
Batch number: P020711AB	Sample number(s): 3785200								
Chloromethane	116		42-125						
Vinyl Chloride	120		54-133						
Bromomethane	76		36-133						
Chloroethane	105		55-129						
Trichlorofluoromethane	112		58-157						
1,1-Dichloroethene	127		75-152						
Methylene Chloride	111		81-134						
trans-1,2-Dichloroethene	120		78-140						
1,1-Dichloroethane	118		77-142						
cis-1,2-Dichloroethene	107		79-133						
Chloroform	108		76-138						
1,1,1-Trichloroethane	113		78-141						
Carbon Tetrachloride	113		75-149						
1,2-Dichloroethane	108		75-141						

*- 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: Chevron Products Company
Group Number: 799685
Reported: 03/18/02 at 04:59 PM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Trichloroethene	107		82-133						
1,2-Dichloropropane	103		82-128						
Bromodichloromethane	103		81-127						
1,1,2-Trichloroethane	102		82-127						
Tetrachloroethene	116		81-148						
Dibromochloromethane	98		74-125						
Chlorobenzene	105		81-125						
Bromoform	91		62-127						
1,1,2,2-Tetrachloroethane	99		69-121						
1,3-Dichlorobenzene	107		82-128						
1,4-Dichlorobenzene	103		81-122						
1,2-Dichlorobenzene	103		82-125						
trans-1,3-Dichloropropene	97		70-120						
cis-1,3-Dichloropropene	97		70-123						
Freon 113	132		76-157						

Surrogate Quality Control

Analysis Name: TPH - DRO CA LUFT (Waters)
Batch number: 020700013A

	Orthoterphenyl
3785200	261*
Blank	104
LCS	92
LCSD	93
Limits:	59-139

Analysis Name: TPH-GRO - Waters
Batch number: 02071A16A

	Trifluorotoluene-F	Trifluorotoluene-P
3785197	81	102
3785198	87	105
3785199	165*	124
Blank	78	102
LCS	121	104
LCSD	119	102
MS	172*	
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters
Batch number: 02071A16B

	Trifluorotoluene-F	Trifluorotoluene-P
3785199		106

*- 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.

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company Group Number: 799685
Reported: 03/18/02 at 04:59 PM

Surrogate Quality Control

Blank	84	103
LCS	121	104
LCSD	119	102
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters
Batch number: 02071A53A

	Trifluorotoluene-F	Trifluorotoluene-P
3785201	96	100
3785202	116	108
3785203	92	93
Blank	94	98
LCS	111	100
LCSD	109	100
MS	109	101
Limits:	67-135	71-130

Analysis Name: TPH-GRO - Waters
Batch number: 02071A55B

	Trifluorotoluene-F	Trifluorotoluene-P
3785200	101	86
Blank	104	86
LCS	119	86
LCSD		86
MS	120	83
MSD	121	
Limits:	67-135	71-130

Analysis Name: EPA SW846/8260 (water)
Batch number: P020711AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3785200	102	97	99	89
Blank	102	97	100	88
LCS	95	96	101	98
LCSD	96	95	100	98
MS	96	95	100	98
Limits:	86-118	80-120	88-110	86-115

*- 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.

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

R0124
DON

02-22-02P02:01 RCVD

GETTLER-RYAN INC.

TRANSMITTAL

February 6, 2002
G-R #386395

TO: Mr. James Brownell
Delta Environmental Consultants, Inc.
3164 Gold Camp Drive, Suite 200
Rancho Cordova, California 95670

CC: Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

FROM: Deanna L. Harding
Project Coordinator
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

RE: Chevron Service Station
#9-9708
5910 MacArthur Boulevard
Oakland, California

WE HAVE ENCLOSED THE FOLLOWING:

COPIES	DATED	DESCRIPTION
1	February 5, 2002	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 26, 2001

COMMENTS:

Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to ***February 20, 2002***, at which time the final report will be distributed to the following:

cc: [redacted], Dept. of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94502-6577
Mr. Greg Gurss, Gettler-Ryan Inc., 3140 Gold Camp Drive, Suite 170, Rancho Cordova, CA 95670
Mr. Nisson Saidion, 5910 MacArthur Boulevard, Oakland, CA 94605

Enclosures

6747 Sierra Court, Suite J • Dublin, California 94568 • (925) 551-7555

GETTLER-RYAN INC.

February 5, 2002
G-R Job #386395

Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

RE: Fourth Quarter Event of December 26, 2001
Groundwater Monitoring & Sampling Report
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

Dear Mr. Bauhs:

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.

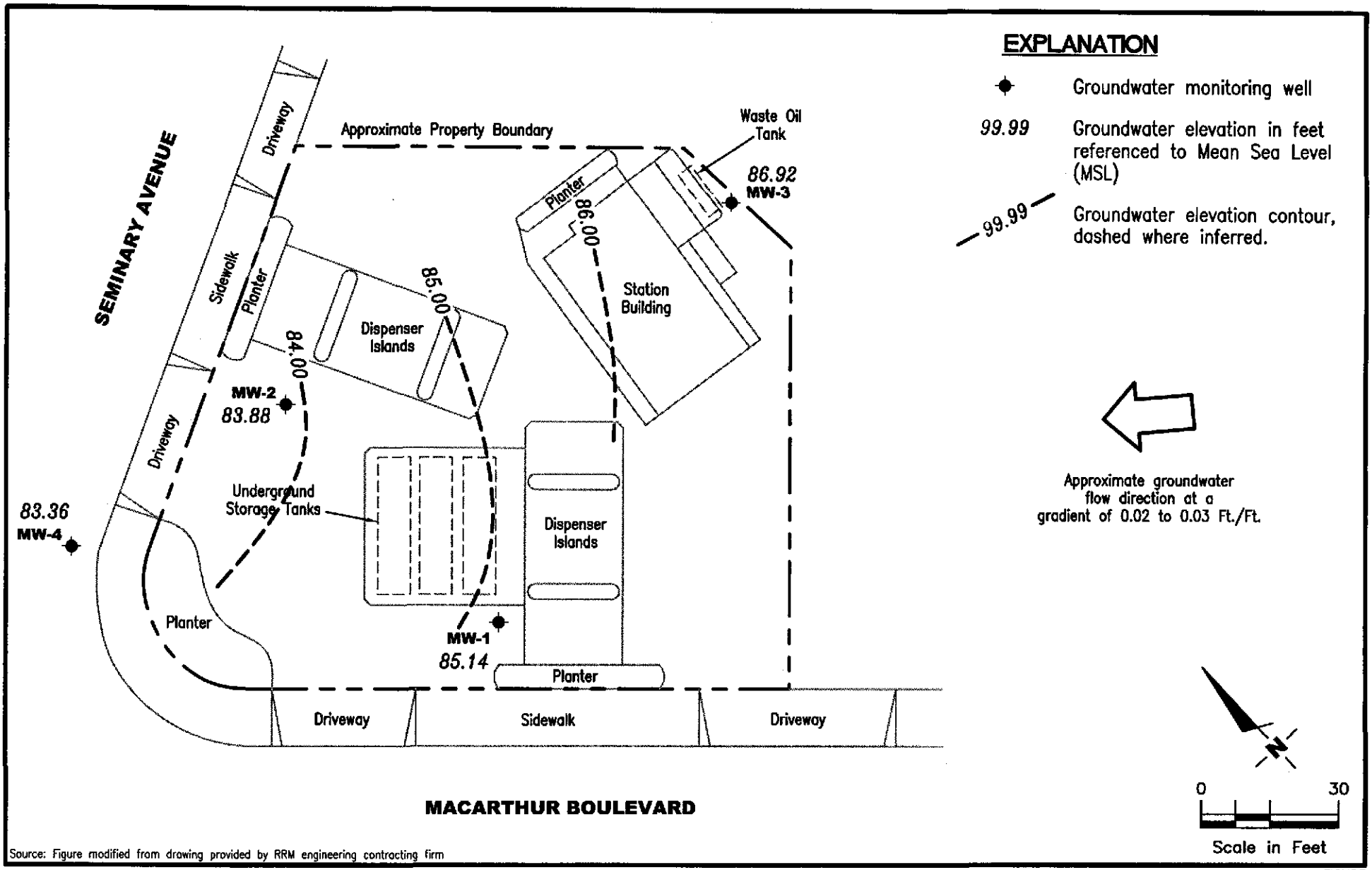
Sincerely,

Deanna L. Harding
Project Coordinator

Hagop Kevork
P.E. No. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/04
CIVIL
STATE OF CALIFORNIA

Figure 1: Potentiometric Map
Table 1: Groundwater Monitoring Data and Analytical Results
Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by RRM engineering contracting firm

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

POTENTIOMETRIC MAP
Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

FIGURE
1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
386395		December 26, 2001	

FILE NAME: P:\ENVIRO\CHEVRON\9-9708\Q01-9-9708.DWG | Layout Tab: Pot4

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft)	GWE (msl)	DTW (ft)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-1													
05/29/97	96.61	84.41	12.20	--	--	--	--	--	--	--	--	--	--
06/04/97	96.61	84.40	12.21	--	380	58	1.2	5.4	40	85	--	--	--
09/16/97	96.61	83.84	12.77	--	420	120	<0.5	19	2.7	28	--	--	--
12/17/97	96.61	85.43	11.18	--	210[1]	43	0.61	11	0.61	69	--	--	--
03/18/98	96.61	84.59	12.02	--	210[1]	47	<0.5	8.2	<0.5	92	--	--	--
06/28/98	96.61	83.99	12.62	--	<50	<0.5	<0.5	<0.5	<0.5	66	--	--	--
09/07/98	96.61	82.32	14.29	--	<50	6.7	<0.5	<0.5	<0.5	92	--	--	--
12/29/98	96.61	83.18	13.43	--	<100	<1.0	<1.0	2.24	1.14	278	--	--	--
03/11/99	96.61	83.80	12.81	--	110	<1.0	<1.0	7.95	<1.0	418	--	--	--
05/04/99	96.61	83.85	12.76	--	--	--	--	--	--	--	--	--	--
06/29/99	96.61	84.06	12.55	--	352	34.6	<2.5	51	<2.5	780	--	--	--
09/29/99	96.61	83.21	13.40	--	647	167	<2.5	58.6	14.8	1,570	--	--	--
12/08/99	96.61	85.70	10.91	--	481	121	1.16	17.9	11	3,910	--	--	--
03/01/00	96.61	85.46	11.15	--	2,580	481	6.84	86.6	41.9	5,460	--	--	--
06/23/00	96.61	83.68	12.93	--	900[4]	120	<5.0	22	6.7	5,400	--	--	--
09/30/00	96.61	83.07	13.54	--	1,300[4]	450	5.5	170	11	2,000	--	--	--
12/08/00	96.61	83.63	12.98	--	<1,000	41.7	<10.0	11.5	<10.0	6,030	--	--	--
03/01/01	96.61	84.94	11.67	--	340[7]	36.6	<0.500	10.1	<0.500	3,360	--	--	--
06/19/01	96.61	83.94	12.67	--	610[4]	110	<5.0	9.2	<5.0	110	--	--	--
09/18/01	96.61	83.48	13.13	--	200	32	0.55	3.0	<1.5	1,600	--	--	--
12/26/01	**96.61**	**85.14**	**11.47**	**--**	**140**	**9.1**	**<0.50**	**1.2**	**<1.5**	**1,900**	**--**	**--**	**--**
MW-2													
05/29/97	96.91	83.85	13.06	--	--	--	--	--	--	--	--	--	--
06/04/97	96.91	83.96	12.95	--	1,600	120	5.9	32	15	2,100	--	--	--
09/16/97	96.91	83.92	12.99	--	1,100	23	3.2	7.0	2.5	1,200	--	--	--
12/17/97	96.91	84.73	12.18	--	7,100[1]	650	69	610	69	4,700/2,600[2]	--	--	--
03/18/98	96.91	84.21	12.70	--	5,900[1]	250	<50	98	<50	12,000/7,100[2]	--	--	--
06/28/98	96.91	83.98	12.93	--	4,300	400	<10	<10	<10	3,000/4,000[2]	--	--	--
09/07/98	96.91	83.94	12.97	--	3,700	220	5.1	38	7.6	1,300/1,400[2]	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft)	GWE (msl)	DTW (ft)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-2 (cont)													
12/29/98	96.91	83.99	12.92	--	6,500	573	26.8	131	33.9	2,660	--	--	--
03/11/99	96.91	84.04	12.87	--	4,970	651	30.8	60.3	<5.0	2,600	--	--	--
05/04/99	96.91	84.05	12.86	--	--	--	--	--	--	--	--	--	--
06/29/99	96.91	83.98	12.93	--	2,030	238	11.6	8.98	<5.0	540	--	--	--
09/29/99	96.91	84.02	12.89	--	2,000	320	10.4	16.5	20.3	642	--	--	--
12/08/99	96.91	86.18	10.73	--	96.8	2.74	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	96.91	84.31	12.60	--	<50	6.92	<0.5	<0.5	<0.5	254	--	--	--
06/23/00	96.91	83.98	12.93	--	1,700[4]	490	7.5	<5.0	7.7	770	--	--	--
09/30/00	96.91	83.95	12.96	--	2,000[4]	420	14	<10	<10	380	--	--	--
12/08/00	96.91	83.98	12.93	--	984	54.9	<2.50	4.15	<2.50	306	--	--	--
03/01/01	96.91	84.15	12.76	--	<50.0	4.16	<0.500	<0.500	<0.500	245	--	--	--
06/19/01	96.91	83.23	13.68	--	1,700[4]	250	9.2	<5.0	6.9	410	--	--	--
09/18/01	96.91	83.96	12.95	--	1,700	42	1.9	2.0	2.9	280	--	--	--
12/26/01	**96.91**	**83.88**	**13.03**	**--**	**<50**	**0.50**	**<0.50**	**<0.50**	**<1.5**	**120**	**--**	**--**	**--**
MW-3													
05/29/97	97.86	86.41	11.45	--	--	--	--	--	--	--	--	--	--
06/04/97[3]	97.86	86.58	11.28	1200	<50	<0.5	<0.5	<0.5	<0.5	<5.0	ND	1.0	--
09/16/97	97.86	85.67	12.19	2,700[1]	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
12/17/97	97.86	87.06	10.80	1,200[1]	<50	0.9	0.53	<0.5	<0.5	<2.5	--	--	--
03/18/98	97.86	86.98	10.88	820[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/28/98	97.86	86.26	11.60	1,100[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.99	ND	<0.5-<5.0
09/07/98	97.86	85.64	12.22	1,100[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.79	0.54	--
12/29/98	97.86	86.06	11.80	1,760[1]	185	<0.5	<0.5	<0.5	0.669	<2.0	1.04	0.578	<0.5-<5.0
03/11/99	97.86	86.83	11.03	1440	<50	<0.5	<0.5	<0.5	<0.5	<2.0	<1.0	<1.0	<1.0-<20
05/04/99	97.86	86.43	11.43	--	--	--	--	--	--	--	--	--	--
06/29/99	97.86	85.71	12.15	690[1]	<50	<0.5	<0.5	<0.5	<0.5	<5.0	0.754	<0.5	<0.5-<5.0
09/29/99	97.86	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
12/08/99	97.86	88.43	9.43	1,000[1]	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	0.66	<0.5-<5.0
03/01/00	97.86	87.16	10.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	0.821	0.984	<0.5-<5.0

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft)	GWE (msl)	DTW (ft)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
MW-3 (cont)													
06/23/00	97.86	85.96	11.90	2,600[5]	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<2.0	<2.0	<0.5-<2.0
09/30/00	97.86	85.45	12.41	1,100[5]	<50	<0.50	0.61	<0.50	0.82	2.7	<2.0	<2.0	<0.50-<2.0
12/08/00	97.86	85.78	12.08	870[5]	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	<2.0	<0.50-<10
03/01/01	97.86	87.09	10.77	1,060[6]	60.9[7]	<0.500	<0.500	<0.500	<0.500	<2.50	0.545	0.528	<0.500-<5.00
06/19/01	97.86	85.87	11.99	120[5]	<50	<0.50	<0.50	<0.50	<0.50	<2.5	<1.2	<1.6	<0.50-<2.0
09/18/01	97.86	85.19	12.67	4,800	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<1[8]	<2[8]	<1-<2[8]
12/26/01	**97.86**	**86.92**	**10.94**	**5,000**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**<1[8]**	**<2[8]**	**<1-<2.0[8]**
MW-4													
05/04/99	96.25	83.66	12.59	--	140	<0.5	0.62	0.67	2.6	<2.5	--	--	--
06/29/99	96.25	83.64	12.61	--	183	<0.5	<0.5	1.1	<0.5	<5.0	--	--	--
09/29/99	96.25	83.70	12.55	--	64.3	<0.5	<0.5	<0.5	1.18	<2.5	--	--	--
12/08/99	96.25	83.81	12.44	--	91.2	0.589	<0.5	0.52	<0.5	86	--	--	--
03/01/00	96.25	84.55	11.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/23/00	96.25	84.12	12.13	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	96.25	84.30	11.95	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	96.25	83.85	12.40	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	96.25	INACCESSIBLE		--	--	--	--	--	--	--	--	--	--
06/19/01	96.25	82.83	13.42	--	210[7]	7.6	1.4	<0.50	<0.50	10	--	--	--
09/18/01	96.25	83.17	13.08	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
12/26/01	**96.25**	**83.36**	**12.89**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**--**	**--**	**--**
TRIP BLANK													
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
12/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
03/18/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

WELL ID/ DATE	TOC (ft)	GWE (msl)	DTW (ft)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	1,2-DCB♦ (ppb)	1,2-DCA♦ (ppb)	HVOCs♦ (ppb)
TRIP BLANK (cont)													
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--	--
05/04/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--
09/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
12/08/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
03/01/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--
06/23/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
12/08/00	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
03/01/01	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--	--	--
06/19/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--	--
09/18/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--
QA													
12/26/01	**--**	**--**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.5**	**<2.5**	**--**	**--**	**--**

Table 1

Groundwater Monitoring Data and Analytical Results

Chevron Service Station #9-9708
5910 MacArthur Boulevard
Oakland, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to June 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean sea level
DTW = Depth to Water
TPH-D Total Petroleum Hydrocarbons as Diesel
TPH-G = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl tertiary butyl ether
1,2-DCB = 1,2-Dichlorobenzene
1,2-DCA = 1,2-Dichloroethane
HVOCs = Halogenated Volatile Organic Compounds
ND = Not Detected
-- = Not Measured/Not Analyzed
QA = Quality Assurance

♦ Analysis by EPA Method 8010.

1 Chromatogram pattern indicates an unidentified hydrocarbon.

2 Confirmation run.

3 Sample also analyzed for the following: Total Oil & Grease by EPA Method 5520F was ND; Semivolatile Organics by EPA Method 8270B were ND; Volatile Organics by EPA Method 8010B were ND.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates unidentified hydrocarbons >C16.

6 Laboratory report indicates unidentified hydrocarbons C9-C24.

7 Laboratory report indicates unidentified hydrocarbons C6-C12.

8 Volatile Organic Compounds (VOCs) by EPA Method 8260.

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, static water level measurements are collected with the interface probe and are also recorded in the field notes.

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 polyvinyl chloride 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 Chevron-designated 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.

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-9708 Job#: 386395
Address: 5910 MacArthur Blvd. Date: 12-26-01
City: Oakland, CA Sampler: T.C

Well ID MW-1 Well Condition: o.k
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 19.97 ft.
Depth to Water 11.47 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

8.50 X VF .17 = 1.4 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: (Disposable Bailer) Bailer Stack Suction Grundfos Other:

Sampling Equipment: (Disposable Bailer) Bailer Pressure Bailer Grab Sample Other:

Starting Time: 1215 Weather Conditions: Cloudy
Sampling Time: 1226 Water Color: Cloudy Odor: SLIGHT
Purging Flow Rate: gpm. Sediment Description:
Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1217	1.5	7.13	1064	68.1			
1220	3.0	7.04	1038	67.2			
1223	4.5	6.98	1030	67.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 VOAs + 1	Y	HCl	LANCASTER	TPH(G)/btex/mtbe

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-9708 Job#: 386395
Address: 5910 MacArthur Blvd. Date: 12-26-01
City: Oakland, CA Sampler: J.C

Well ID MW-2 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 19.87 ft.
Depth to Water 13.03 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

6.84 X VF .17 = 1.1 X 3 (case volume) = Estimated Purge Volume: 3.5 (gal.)

Purge Equipment: ~~Disposable Bailer~~, Bailer, Stack, Suction, Grundfos, Other:

Sampling Equipment: ~~Disposable Bailer~~, Bailer, Pressure Bailer, Grab Sample, Other:

Starting Time: 1241 Weather Conditions: cloudy
Sampling Time: 1250 Water Color: cloudy / Odor: yes
Purging Flow Rate: — gpm. Sediment Description:
Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1243	1.0	7.08	1160	67.9			
1246	2.0	6.99	1161	67.6			
1248	3.5	6.94	1138	67.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	3x40 AMBER	Y	HCl	LANCASTER	TPH(G)/btex/mtbe

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-9708 Job#: 386395
Address: 5910 MacArthur Blvd. Date: 12-26-01
City: Oakland, CA Sampler: T.C

Well ID MW-3 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 19.80 ft.
Depth to Water 10.94 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

8.86 X VF .17 = 1.5 X 3 (case volume) = Estimated Purge Volume: 4.5 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; Suction; Grundfos; Other:

Sampling Equipment: ~~Disposable Bailer~~; Bailer; Pressure Bailer; Grab Sample; Other:

Starting Time: 1145 Weather Conditions: cloudy
Sampling Time: 1150 Water Color: Blood Odor: yes
Purging Flow Rate: ~ gpm. Sediment Description: very silty
Did well de-water? no If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1147	1.5	7.86	862	68.9			
1150	3.0	7.77	910	68.6			
1152	4.5	7.69	904	68.4			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-3	3xVOAs-HCl	Y	Hcl	LANCASTER	TPH(G)/btex/mtbe
MW-3	3xVOAs-HCl	Y	"	" "	Hvocs 8260
MW-3	2xAMBER	Y	"	" "	TPH-D

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/ CHEVRON
Facility # 9-9708 Job#: 386395
Address: 5910 MacArthur Blvd. Date: 12-26-01
City: Oakland, CA Sampler: T.C

Well ID MW-4 Well Condition: O.K
Well Diameter 2 in. Hydrocarbon Thickness: 0 (feet) Amount Bailed (product/water): 0 (Gallons)
Total Depth 17.17 ft.
Depth to Water 12.89 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

6.28 X VF .17 = 1.0 X 3 (case volume) = Estimated Purge Volume: 3.0 (gal.)

Purge Equipment: (Disposable Bailer) Bailer, Stack, Suction, Grundfos, Other: _____

Sampling Equipment: (Disposable Bailer) Bailer, Pressure Bailer, Grab Sample, Other: _____

Starting Time: 1310 Weather Conditions: Cloudy
Sampling Time: 1318 Water Color: Cloudy Odor: No
Purging Flow Rate: _____ gpm. Sediment Description: _____
Did well de-water? No If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
1311	1.0	7.30	1024	66.9			
1312	2.0	7.18	1086	67.4			
1314	3.0	7.16	1089	67.2			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-4	3xVOA's	Y	HCl	LANCASTER	TPH(G)/btex/mtbe

COMMENTS: _____

Chevron California Region Analysis Request/Chain of Custody

Lancaster Laboratories *Where quality is a science.*

281201-002

Acct. #: 10905 — For Lancaster Laboratories use only — Sample #: 315107 2-76 — SCR#:

Facility #: 9-9708 Job #386395 Global ID #T0600102093

Site Address: 5910 MACARTHUR BLVD., OAKLAND, CA

Chevron PM: Tom Bauhs Lead Consultant: Delta/G-R

Consultant/Office: G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568

Consultant Prj. Mgr.: Deanna L. Harding (Deanna@grinc.com)

Consultant Phone: 925-551-7555 Fax #: 925-551-7899

Sampler: Tony CAMARDA

Service Order #: ☐ Non SAR:

Analyses Requested

Preservation Codes

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

☐ J value reporting needed
☐ Must meet lowest detection limits possible for 8260 compounds
8021 MTBE Confirmation
☐ Confirm highest hit by 8260
☐ Confirm all hits by 8260
☐ Run ____ oxy s on highest hit
☐ Run ____ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Water (Potable ☐ NPDES ☐)	Oil ☐ Air ☐	Total Number of Containers	BTEX + MTBE 8260 ☐ 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO ☐ Silica Gel Cleanup	8260 full scan	Oxygenates ___	Lead 7420 ☐ 7421 ☐	HVOC's 8260
DA	12/26/01	—				X		2	X	X					
MW-1		1226	X			X		3	X	X					
MW-2		1250	X			X		3	X	X					
MW-3		1156	X			X		3	X	X	X				X
MW-4	↓	1318	X			X		3	X	X					

5 containers PM 12/28/01

Comments / Remarks

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

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

	Relinquished by:	Date	Time	Received by:	Date	Time
1		12/28/01	0900		12/28/01	12:02
2		12/28/01	1330		12/28/01	1330
3		12/28/01	1600		12/28	1600
	Relinquished by Commercial Carrier: UPS FedEx Other			Received by:		
	Temperature Upon Receipt 2-5 C°			Custody Seals Intact? Yes No		

3460 Rev. 7/30/01

Lancaster Laboratories
Where quality is a science.

ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 791780. Samples arrived at the laboratory on Saturday, December 29, 2001. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description			Lancaster Labs Number
QA-T-011226	NA	Water	3751672
MW-1-W-011226	Grab	Water	3751673
MW-2-W-011226	Grab	Water	3751674
MW-3-W-011226	Grab	Water	3751675
MW-4-W-011226	Grab	Water	3751676

METHODOLOGY

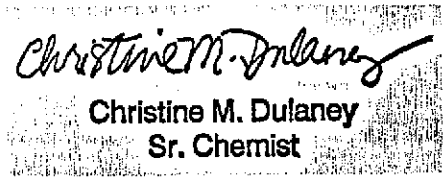
The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Delta C/O Gettler-Ryan Attn: Deanna L. Harding

Lancaster Laboratories
Where quality is a science.

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

Respectfully Submitted,



MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3751672

Collected:12/26/2001 00:00

Account Number: 10905

Submitted: 12/29/2001 09:10
Reported: 01/09/2002 at 15:18
Discard: 02/09/2002
QA-T-011226 NA Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 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	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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
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 precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	01/01/2002 03:40	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	01/01/2002 03:40	Melissa Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	01/01/2002 03:40	Melissa Mann	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3751673

Collected:12/26/2001 12:26 by TC

Account Number: 10905

Submitted: 12/29/2001 09:10
Reported: 01/09/2002 at 15:18
Discard: 02/09/2002
MW-1-W-011226 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-1

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.	140.	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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	9.1	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	1.2	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	1,900.	2.5	ug/l	5
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/31/2001 16:00	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/31/2001 14:14	Melissa Mann	5
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/31/2001 16:00	Melissa Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/31/2001 14:14	Melissa Mann	n.a.

#=Laboratory Method Detection Limit exceeded or target detection limit
N.D.=Not detected at or above the Reporting Limit

ACIL
Lancaster Laboratories
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3751674

Collected:12/26/2001 12:50 by TC

Account Number: 10905

Submitted: 12/29/2001 09:10
Reported: 01/09/2002 at 15:18
Discard: 02/09/2002
MW-2-W-011226 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08214	BTEX, MTBE (8021)					
00776	Benzene	71-43-2	0.50	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	120.	2.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/31/2001 19:30	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/31/2001 19:30	Melissa Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/31/2001 19:30	Melissa Mann	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3751675

Collected:12/26/2001 11:56 by TC

Account Number: 10905

Submitted: 12/29/2001 09:10
Reported: 01/09/2002 at 15:18
Discard: 02/09/2002
MW-3-W-011226 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-3

MAO-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	n.a.	5,000.	200.	ug/l	10
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
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. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
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 precision and accuracy at a batch level.					
05382	EPA SW846/8260 (water)					
05385	Chloromethane	74-87-3	N.D.	2.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	2.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	2.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	1.	ug/l	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3751675

Collected:12/26/2001 11:56 by TC

Account Number: 10905

Submitted: 12/29/2001 09:10
Reported: 01/09/2002 at 15:18
Discard: 02/09/2002
MW-3-W-011226 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-3

MAO-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	1.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	1.	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	1.	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	2.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	1.	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	1.	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	1.	ug/l	1
05383	EPA SW846/8260 (water) cont					
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
08202	EPA SW 846/8260 - Water					
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
08203	Freon 113	76-13-1	N.D.	2.0	ug/l	1

State of California Lab Certification No. 2116
Additional sample volume received on 01/03/02 for DRO.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3751675

Collected:12/26/2001 11:56 by TC

Account Number: 10905

Submitted: 12/29/2001 09:10
Reported: 01/09/2002 at 15:18
Discard: 02/09/2002
MW-3-W-011226 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-3

MAO-3

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
05553	TPH - DRO CA LUFT (Waters)	CA LUFT Diesel Range Organics	1	01/07/2002 16:51	Tracy A. Cole	10
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/31/2001 20:05	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/31/2001 20:05	Melissa Mann	1
05382	EPA SW846/8260 (water)	SW-846 8260B	1	01/03/2002 02:05	Kenneth L. Boley	1
05383	EPA SW846/8260 (water) cont	SW-846 8260B	1	01/03/2002 02:05	Kenneth L. Boley	1
08202	EPA SW 846/8260 - Water	SW-846 8260B	1	01/03/2002 02:05	Kenneth L. Boley	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/31/2001 20:05	Melissa Mann	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	01/03/2002 02:05	Kenneth L. Boley	n.a.
07003	Extraction - DRO (Waters)	TPH by CA LUFT	1	01/04/2002 12:10	JoElla L. Rice	1

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Analysis Report

Lancaster Laboratories
Where quality is a science.

Lancaster Laboratories Sample No. WW 3751676

Collected:12/26/2001 13:18 by TC

Account Number: 10905

Submitted: 12/29/2001 09:10
Reported: 01/09/2002 at 15:18
Discard: 02/09/2002
MW-4-W-011226 Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 99708 Job# 386395 GRD
5910 Macarthur-Oakland T0600102093 MW-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
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 precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/31/2001 20:40	Melissa Mann	1
08214	BTEX, MTBE (8021)	SW-846 8021B	1	12/31/2001 20:40	Melissa Mann	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/31/2001 20:40	Melissa Mann	n.a.

#=Laboratory MethodDetection Limit exceeded target detection limit
N.D.=Not detected at or above the Reporting Limit

Lancaster Laboratories
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Quality Control Summary

Client Name: Chevron Products Company
Reported: 01/09/02 at 03:18 PM

Group Number: 791780

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 01365A56	Sample number(s): 3751672-3751676							
Benzene	N.D.	0.5	ug/l	91	99	80-118	8	30
Toluene	N.D.	0.5	ug/l	90	98	82-119	8	30
Ethylbenzene	N.D.	0.5	ug/l	89	96	81-119	8	30
Total Xylenes	N.D.	1.5	ug/l	91	98	82-120	7	30
Methyl tert-Butyl Ether	N.D.	2.5	ug/l	97	100	79-127	3	30
TPH-GRO - Waters	N.D.	50.	ug/l	100	94	76-119	7	20
Batch number: 020020016A	Sample number(s): 3751675							
TPH - DRO CA LUFT (Waters)	N.D.	50.	ug/l	93	100	54-120	8	20
Batch number: N020021AB	Sample number(s): 3751675							
Chloromethane	N.D.	2.	ug/l	94		51-121		
Vinyl Chloride	N.D.	1.	ug/l	94		61-117		
Bromomethane	N.D.	2.	ug/l	83		34-117		
Chloroethane	N.D.	2.	ug/l	89		53-117		
Trichlorofluoromethane	N.D.	2.	ug/l	115		50-135		
1,1-Dichloroethene	N.D.	1.	ug/l	106		79-136		
Methylene Chloride	N.D.	2.	ug/l	109		84-128		
trans-1,2-Dichloroethene	N.D.	1.	ug/l	107		83-129		
1,1-Dichloroethane	N.D.	1.	ug/l	108		84-128		
cis-1,2-Dichloroethene	N.D.	1.	ug/l	105		85-126		
Chloroform	N.D.	1.	ug/l	106		86-124		
1,1,1-Trichloroethane	N.D.	1.	ug/l	101		83-127		
Carbon Tetrachloride	N.D.	1.	ug/l	109		77-130		
1,2-Dichloroethane	N.D.	2.	ug/l	103		84-131		
Trichloroethene	N.D.	1.	ug/l	103		86-126		
1,2-Dichloropropane	N.D.	1.	ug/l	99		83-123		
Bromodichloromethane	N.D.	1.	ug/l	106		83-121		
1,1,2-Trichloroethane	N.D.	1.	ug/l	113		86-120		
Tetrachloroethene	N.D.	1.	ug/l	113		79-136		
Dibromochloromethane	N.D.	1.	ug/l	116		78-119		
Chlorobenzene	N.D.	1.	ug/l	111		87-121		
Bromoform	N.D.	1.	ug/l	118		69-121		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	105		78-120		
1,3-Dichlorobenzene	N.D.	1.	ug/l	104		77-126		
1,4-Dichlorobenzene	N.D.	1.	ug/l	103		78-125		
1,2-Dichlorobenzene	N.D.	1.	ug/l	103		77-124		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	89		79-120		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	92		81-121		
Freon 113	N.D.	2.	ug/l	112		73-139		

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 01365A56	Sample number(s): 3751672-3751676								

*- 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: Chevron Products Company
Group Number: 791780
Reported: 01/09/02 at 03:18 PM

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Benzene	108		66-140						
Toluene	109		72-138						
Ethylbenzene	109		71-138						
Total Xylenes	109		69-140						
Methyl tert-Butyl Ether	105		60-145						
TPH-GRO - Waters	92		74-132						
Batch number: N020021AB	Sample number(s): 3751675								
Chloromethane	99	101	48-132	2	30				
Vinyl Chloride	103	107	54-133	3	30				
Bromomethane	93	95	37-127	2	30				
Chloroethane	99	100	55-129	0	30				
Trichlorofluoromethane	128	129	46-151	0	30				
1,1-Dichloroethene	115	119	75-152	4	30				
Methylene Chloride	109	112	81-134	3	30				
trans-1,2-Dichloroethene	111	114	78-140	2	30				
1,1-Dichloroethane	108	110	77-142	2	30				
cis-1,2-Dichloroethene	107	108	76-140	1	30				
Chloroform	109	111	76-138	2	30				
1,1,1-Trichloroethane	105	108	78-141	3	30				
Carbon Tetrachloride	116	120	66-148	3	30				
1,2-Dichloroethane	99	101	75-141	2	30				
Trichloroethene	106	109	76-137	3	30				
1,2-Dichloropropane	98	100	82-128	3	30				
Bromodichloromethane	103	105	81-127	3	30				
1,1,2-Trichloroethane	107	108	82-127	2	30				
Tetrachloroethene	119	121	72-150	2	30				
Dibromochloromethane	109	111	74-125	2	30				
Chlorobenzene	108	109	81-125	1	30				
Bromoform	112	116	62-127	4	30				
1,1,2,2-Tetrachloroethane	97	100	70-129	2	30				
1,3-Dichlorobenzene	101	102	82-128	1	30				
1,4-Dichlorobenzene	98	99	78-131	1	30				
1,2-Dichlorobenzene	97	99	82-125	2	30				
trans-1,3-Dichloropropene	85	87	76-124	3	30				
cis-1,3-Dichloropropene	83	88	70-123	5	30				
Freon 113	123	125	70-157	2	30				

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
Batch number: 01365A56

	Trifluorotoluene-F	Trifluorotoluene-P
3751672	100	98
3751673	95	99
3751674	97	96
3751675	98	95

*- 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: Chevron Products Company Group Number: 791780
Reported: 01/09/02 at 03:18 PM

Surrogate Quality Control

3751676	96	97
Blank	100	99
LCS	110	99
LCSD	109	99
MS	104	96
Limits:	65-137	72-134

Analysis Name: TPH - DRO CA LUFT (Waters)
Batch number: 020020016A

	Orthoterphenyl
3751675	100
Blank	106
LCS	103
LCSD	107
Limits:	59-157

Analysis Name: EPA SW846/8260 (water)
Batch number: N020021AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
3751675	97	96	94	95
Blank	96	98	95	97
LCS	95	99	98	103
MS	94	98	98	103
MSD	93	98	98	102
Limits:	86-118	80-120	88-110	86-115

*- 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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