GETTLER-RYAN INC.

SLIC 3633

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00 OCT 11 AM 9:33 ENVIRONMENTAL PROTECTION

TO: Mr. Bob Cochran
Chevron Product Company
P.O. Box 6004
San Ramon, California 94583

DATE: October 5, 2000
PROJ. #: 346338.02
SUBJECT: Chevron #20-6142
RMC Lonestar
333 23rd Avenue
Oakland, CA

FROM:
Stephen J. Carter, R.G.
Senior Geologist
Gettler-Ryan Inc.
3164 Gold Camp Drive, Suite 240
Rancho Cordova, California 95670

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
2	October 5, 2000	First and Third Quarters 2000 Monitoring and Sampling Report

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COMMENTS:

At your request, a copy of this report has also been sent to Mr. Barney Chan, Alameda County Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94503-6577.

GETTLER-RYAN INC.

September 26, 2000

Mr. Bob Cochran
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

Subject: First and Third Quarters 2000 Monitoring and Sampling Report for Chevron Station #20-6142, 333 23rd Avenue, Oakland, California.

Mr. Cochran:

This report presents the results of the Second and Third Quarters 2000 monitoring and sampling events performed at the subject site. This report also includes a discussion of bio-attenuation of the hydrocarbon plume. The second quarter event was performed on March 7, and the third quarter event was performed on July 11, 2000. Copies of the field data sheets, laboratory reports and chain-of-custody documents are attached. Monitoring and analytical data have been summarized in the attached tables.

why weren't they monitored when done?

Summary of Site First Quarter 2000 Conditions

On March 7, 2000, GR monitored and sampled eight wells (MW-1, MW-5, MW7 through MW-11 and MW-14). Floating product was not observed in any of the wells. Depth-to-water in the wells was measured at 6.47 to 8.09 feet below top of well casing. Based on these data, groundwater flow beneath the site was predominantly to the southwest at a gradient of 0.04 ft/ft (Figure 1).

Total Petroleum Hydrocarbons as gasoline (TPHg) were detected in wells MW-1 (772 parts per billion, or ppb) and MW-8 (682 ppb). The laboratory noted that the compounds quantified as TPHg more closely resembled a heavier fuel. Methyl tert-butyl ether (MtBE) by EPA Method 8260 was detected in wells MW-1 (1.16 ppb) and MW-5 (43.8 ppb). Total Petroleum Hydrocarbons as diesel with silica gel cleanup (TPHd) were detected in wells MW-1, MW-7, MW-8, MW-9, MW-11 and MW-14 at concentrations ranging from 253 to 74,000 ppb. The laboratory noted that compounds reported as TPHd were either weathered diesel or unidentified hydrocarbons. Benzene was not detected in any of the wells during this event. TPHg, benzene, MtBE and TPHd concentrations appear consistent with historical analytical data, and have been plotted on Figure 2.

Summary of Site Third Quarter 2000 Conditions

On July 11, 2000, GR monitored and sampled eight wells (MW-1, MW-5, MW7 through MW-11 and MW-14). Floating product was not observed in any of the wells. Depth-to-water in the wells was measured at

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7.55 to 9.09 feet below top of well casing. Based on these data, groundwater flow beneath the site was predominantly to the southwest at a gradient of 0.04 ft/ft (Figure 3).

TPHg were detected in wells MW-1 (93 ppb) and MW-8 (490 ppb). The laboratory noted that the compounds quantified as TPHg more closely resembled a heavier fuel. MtBE by EPA Method 8260 was detected in well MW-5 (22 ppb). TPHd were detected in wells MW-1, MW-5, MW-7 through MW-10 and MW-14 at concentrations ranging from 110 to 7,200 ppb. The laboratory noted that compounds reported as TPHd were either weathered diesel or unidentified hydrocarbons. Benzene was not detected in any of the wells during this event. TPHd concentrations from wells MW-1 and MW-5 are inconsistent with historical analytical data. TPHg, benzene, MtBE and TPHd concentrations for the third quarter 2000 have been plotted on Figure 4.

Evaluation for Natural Attenuation

TPHd is usually detected in all site wells, with the highest concentrations detected in wells MW-1 and MW-8. Low concentrations of TPHd are detected in downgradient wells MW-11 and MW-14, but the compounds in these wells detected and quantified as TPHd are usually reported by the laboratory as unidentified compounds or as not matching the standard diesel chromatogram. Compounds detected in site wells and quantified at TPHg appear to be due to a heavier fuel, most likely diesel. MtBE (confirmed by EPA 8260) appears restricted to the area of wells MW-1 and MW-5, and benzene is not detected at the site.

Natural attenuation appears the mechanism responsible for the current distributions found at the site. During both the first and third quarter events, additional analyses (oxygen reduction potential [ORP], dissolved oxygen [DO], nitrate, sulfate, ferrous iron and alkalinity) were performed to evaluate natural attenuation of the hydrocarbon plume. Based on protocols outlined in GR's October 4, 1999, letter, the expected indications of bio-attenuation across the plume would be a relative decrease in DO, ORP, nitrate, and sulfate concentrations with increasing TPHd concentrations. Conversely, ferrous iron and alkalinity concentrations would be expected to increase with increasing concentrations.

Section A-A' on Figures 1 through 6 transects the hydrocarbon plume from west to east. TPHd concentrations for both the March and July 2000 sampling events are plotted on Figure 7. As can be seen, there is a drastic change in the TPHd trend between March, when the highest TPHd is found in well MW-1, and June when the highest concentration is found in well MW-5. (offsite source ?)

Bioparameter data for the third quarter 2000 have been plotted for section A-A' (Figures 7 and 8). These data show nitrate, sulfate and ORP concentrations decrease with increasing TPHd, but DO concentrations increase from east to west across the plume, with the highest DO reading in downgradient well MW-14. Alkalinity increases strongly with increasing TPHd concentrations, but conductivity and ferrous iron concentrations increase east to west, with the highest concentration in downgradient well MW-14. Bioparameter data from March 2000 show similar trends. Data from the first and third quarters is generally consistent with historical bioparameter data.

Historically, high concentrations of TPHd are also detected in the vicinity of well MW-8. A section from well MW-10 through well MW-8 to well MW-9 shows the same general increasing DO, ORP, nitrate and

sulfate concentrations, and decreasing ferrous iron and alkalinity concentrations, with increasing TPHd concentrations. These trends are consistent with historical data.

Section B-B' transects the plume roughly north to south. Bioparameter data for this section have been plotted on Figures 9 and 10. DO, ORP, nitrate, and sulfate concentrations all decrease with increasing TPHd concentrations. Ferrous iron, conductivity and alkalinity concentrations all increase with increasing TPHd concentrations. These relationships are consistent with historical bioparameter data.

Discussion

Groundwater flow during the first and third quarters 2000 was to the southwest, consistent with historical monitoring data. The dissolved hydrocarbon plume continues to be defined. Benzene is not detected in any of the wells in either the first or third quarters. MtBE was detected only in wells MW-1 and MW-5 during the first quarter, and only in well MW-5 during the third quarter. TPHg was detected only in wells MW-1 and MW-8 during both quarters.

TPHd concentrations during these two quarters appears to be somewhat erratic. During the first quarter, TPHd were not detected in upgradient wells MW-5 or MW-10, and the highest concentrations were in wells MW-1 and MW-8. During the third quarter, upgradient well MW-10 had a low TPHd concentration, but upgradient well MW-5 contained 7,200 ppb, inconsistently high compared to historical data for this well. Well MW-8 TPHd concentration was down from the previous event, but within the historical data range. Well MW-1 contained only 190 ppb of TPHd, inconsistently low compared to historical data for this well. We suspect that the anomalous concentrations in wells MW-1 and MW-5 are due to errors in sampling, handling or analysis. During both events, downgradient wells MW-11 and MW-14 contained low concentrations of TPHd, consistent with historical data.

need to resample

Elevated TPHd concentrations continue to be detected in the central portion of the plume. However, these high concentrations do not appear to be migrating southwest toward Alameda Estuary. TPHd concentrations detected in downgradient wells MW-11 and MW-14 are in the low hundreds of ppb. Biodegradation appears to be the mechanism responsible for prohibiting migration of elevated TPHd concentrations to the estuary.

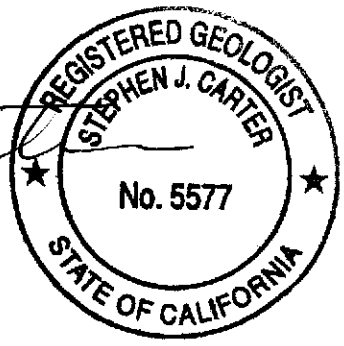
Recommendations

As discussed in our letter of October 4, 1999, the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) uses a TPHg draft guidance concentration of 3,700 ppb and a TPHd draft guidance concentration of 640 ppb in wells within 300 feet of the Bay as one criteria in evaluating sites for additional investigation. With the exception of well MW-5, all wells at the site appear to be within 300 feet of the estuary. However, the hydrocarbon plume is delineated and appears stable. TPHg is restricted to the core of the plume, at concentrations below the SFBRWQCB draft guidance level. Benzene is not detected at the site. MtBE appears restricted to low concentrations in well MW-5, and this suggests a possible off-site source. While wells MW-1 and MW-8 are within 300 feet of the estuary and contain TPHd concentrations above the draft guidance concentration, the dissolved TPHd concentrations in these wells are decreasing (Figure 11). Biodegradation appears responsible for the reduction in TPHd concentrations. High concentrations of TPHd do not appear to be migrating toward the estuary. Biodegradation also appears

responsible for the plume stability. Additional work at this site does not appear to be warranted, and the site should be considered for closure.

If you have questions, please call us in Sacramento at 916.631.1300.

Sincerely,
Gettler-Ryan Inc.

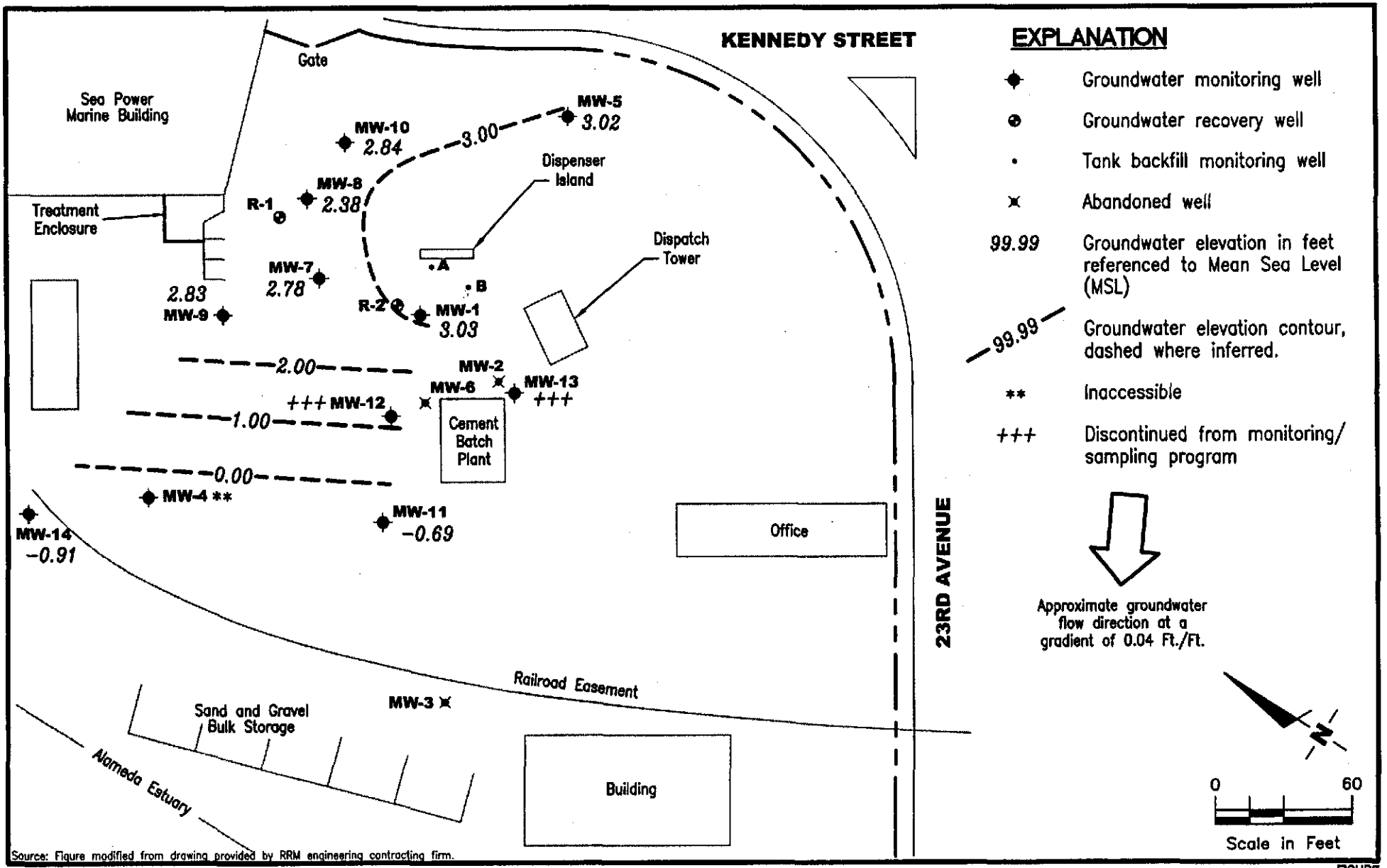


Stephen J. Carter
Senior Geologist
R.G. 5577

for
Greg A. Gurss
Senior Project Manager

Attachments:
Figure 1. Potentiometric Map (3/7/00)
Figure 2. Concentration Map (3/7/00)
Figure 3. Potentiometric Map (7/11/00)
Figure 4. Concentration Map (7/11/00)
Figure 5. Bioparameter Map (3/7/00)
Figure 6. Bioparameter Map (7/11/00)
Figure 7. Section A-A'
Figure 8. Section A-A'
Figure 9. Section B-B'
Figure 10. Section B-B'
Figure 11. Historical TPHd Concentrations
Cumulative Table of Well Data and Analytical Results
Field Data Sheets
Laboratory Reports and Chain-of-Custody documents
GR Field Methods and Procedures

cc: Mr. Barney Chan, Alameda County Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, CA 94503-6577



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

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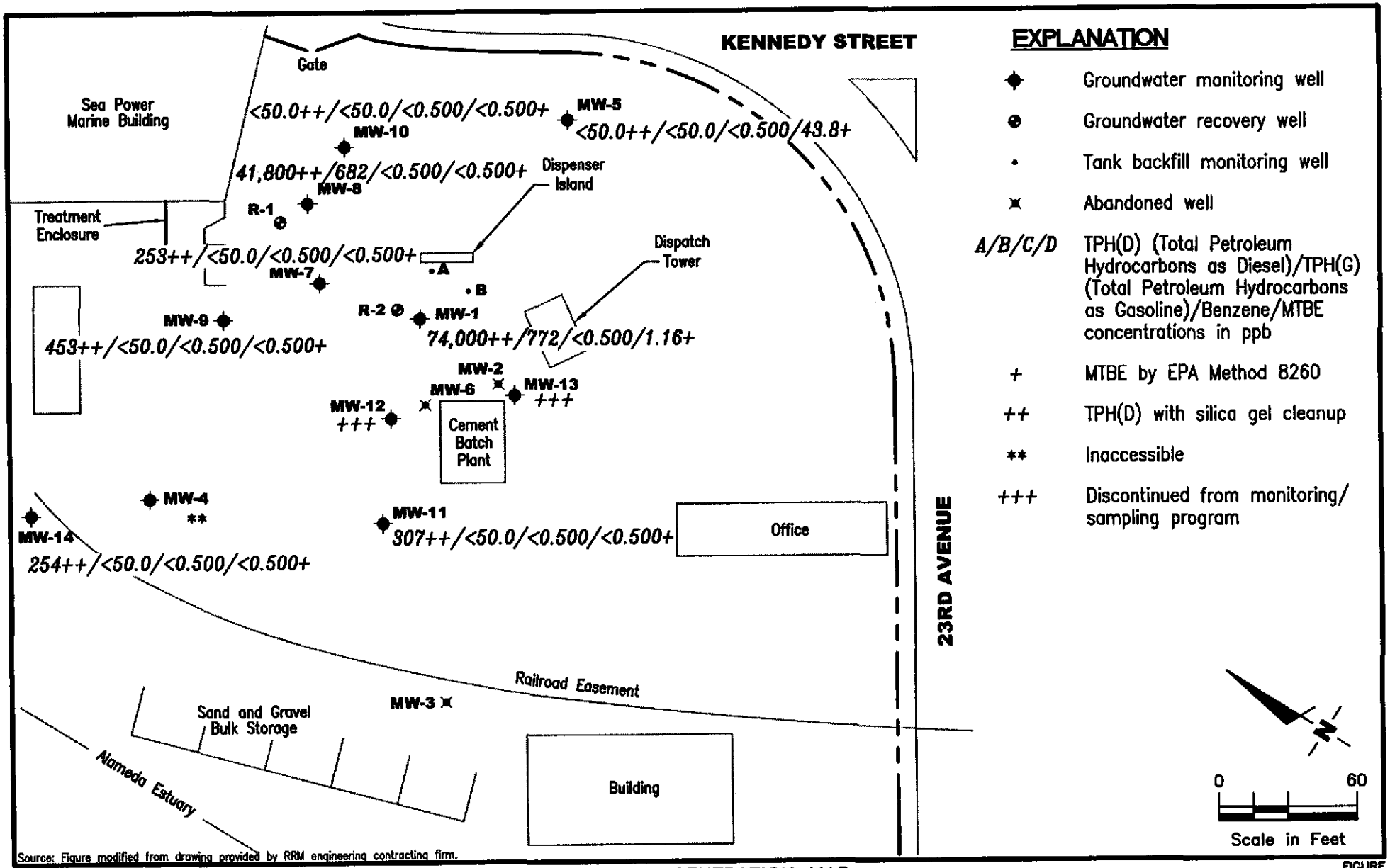
POTENTIOMETRIC MAP
Chevron/RMC Lonestar Facility CPS #20-6142
333 23rd Avenue
Oakland, California

FIGURE 1

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
346338		March 7, 2000	

FILE NAME: P:\ENVIRO\CHEVRON\20-6142\A00-20-6142.DWG | Layout Tab: Plot1



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

FIGURE 2

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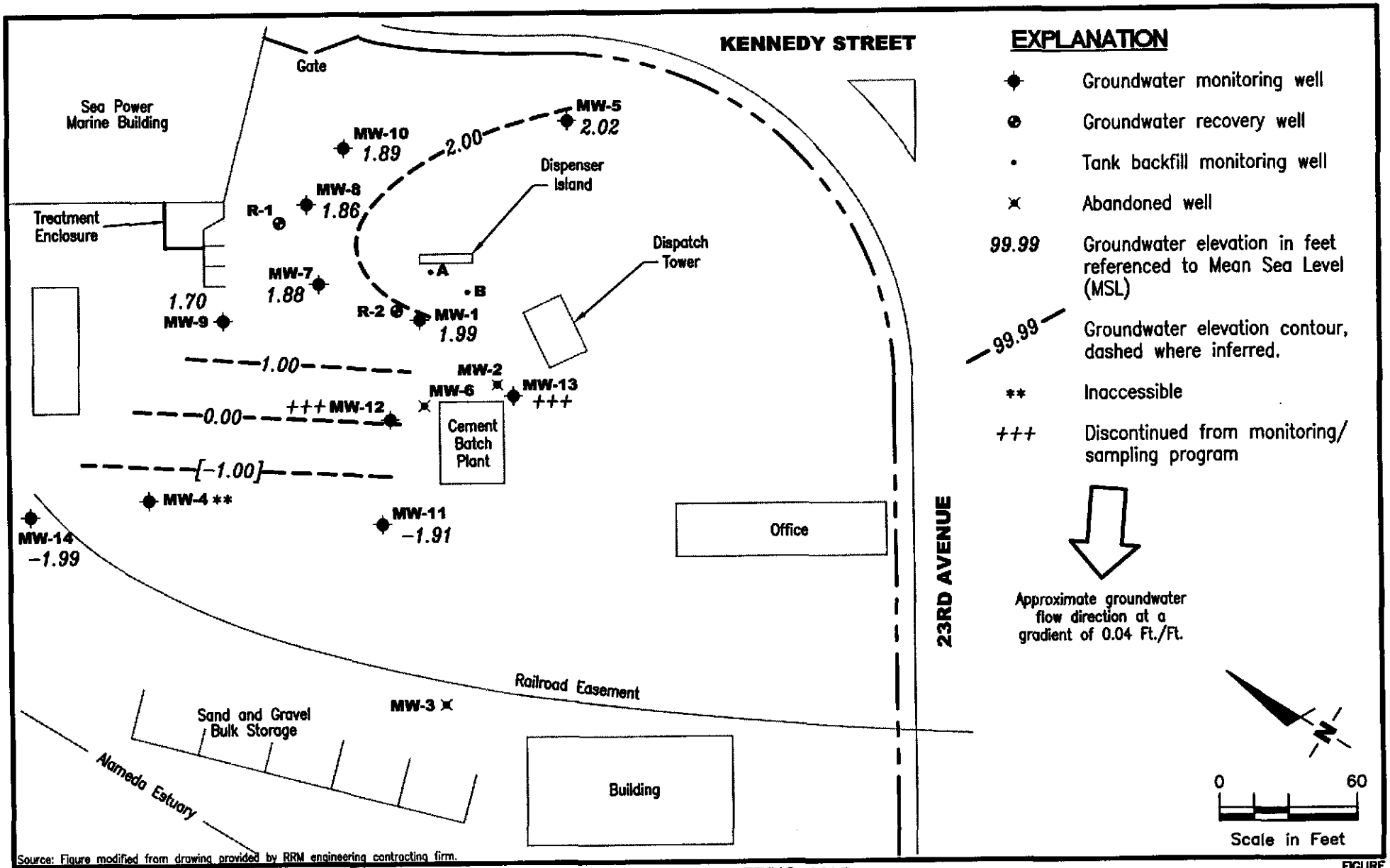
CONCENTRATION MAP
Chevron/RMC Lonestar Facility CPS #20-6142
333 23rd Avenue
Oakland, California

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
346338		March 7, 2000	

FILE NAME: P:\ENVIRO\CHEVRON\20-6142\A00-20-6142.DWG | Layout Tab: Con1



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

FIGURE 3

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POTENTIOMETRIC MAP
Chevron/RMC Lonestar Facility CPS #20-6142
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Oakland, California

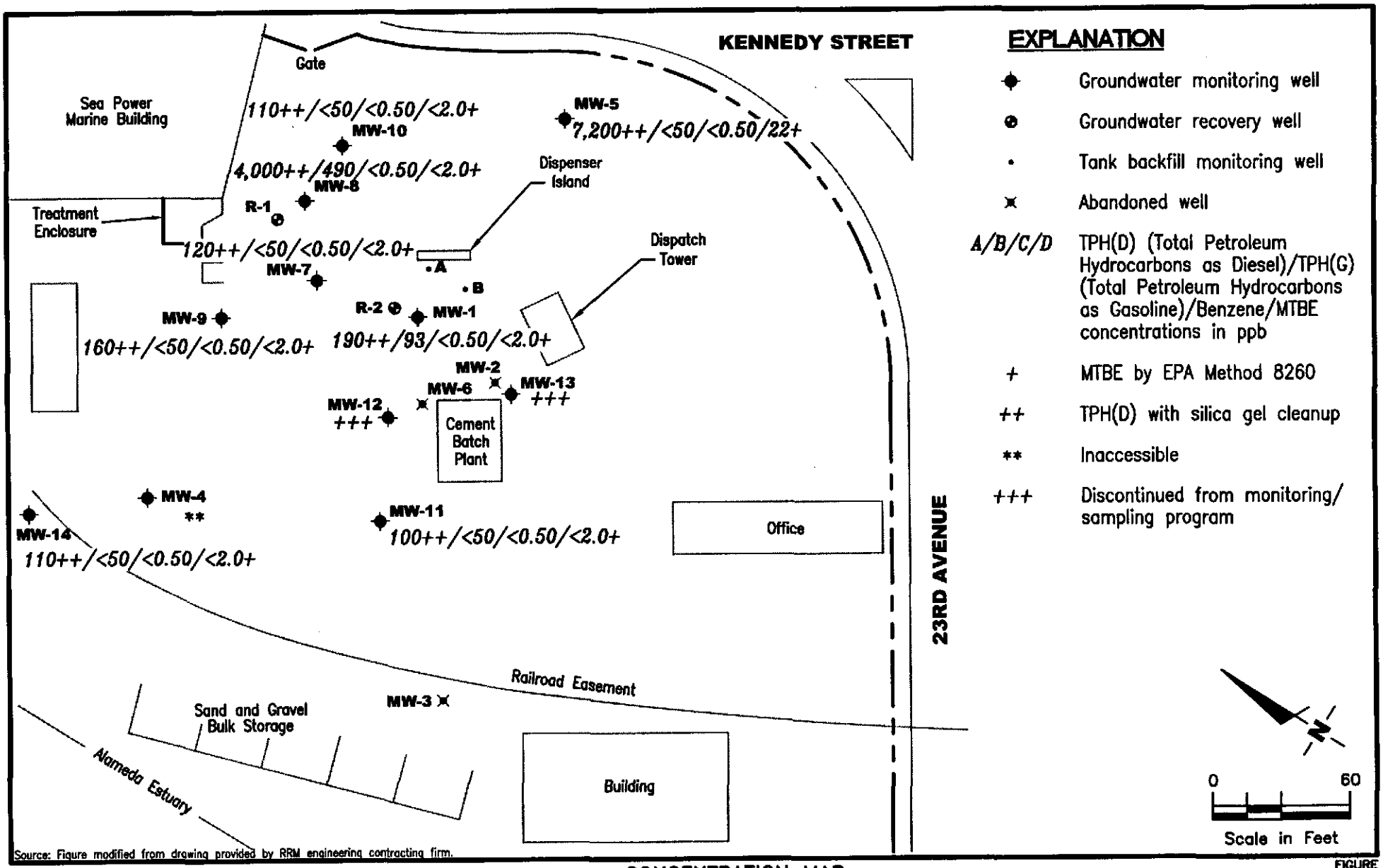
PROJECT NUMBER
346338

REVIEWED BY

DATE
July 11, 2000

REVISED DATE

FILE NAME: P:\ENVIRO\CHEVRON\20-6142\A00-20-6142.DWG | Layout Tab: Pot3



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

FIGURE 4

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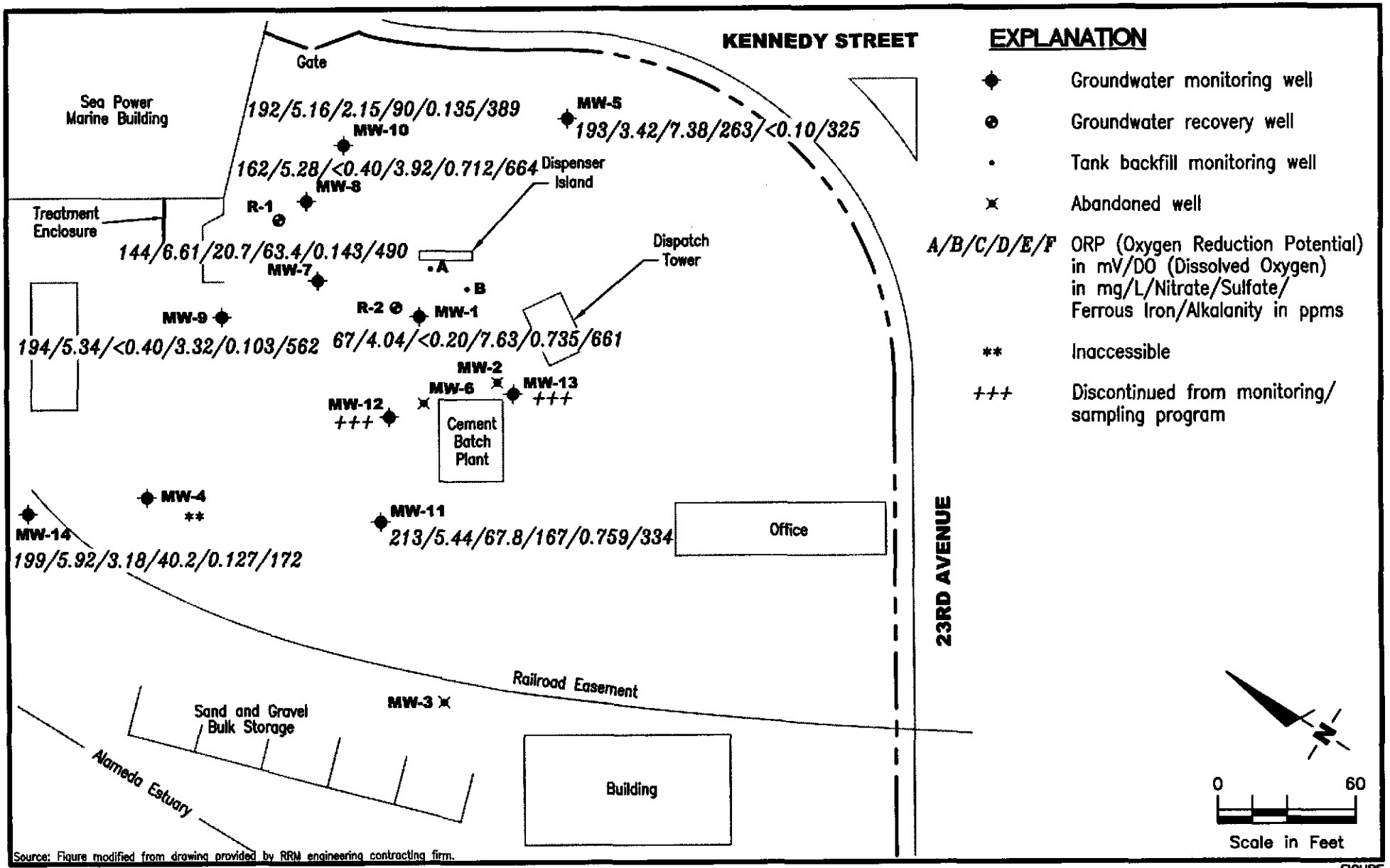
CONCENTRATION MAP
Chevron/RMC Lonestar Facility CPS #20-6142
333 23rd Avenue
Oakland, California

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
346338		July 11, 2000	

FILE NAME: P:\ENVIRO\CHEVRON\20-6142\A00-20-6142.DWG | Layout Tab: Con3



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

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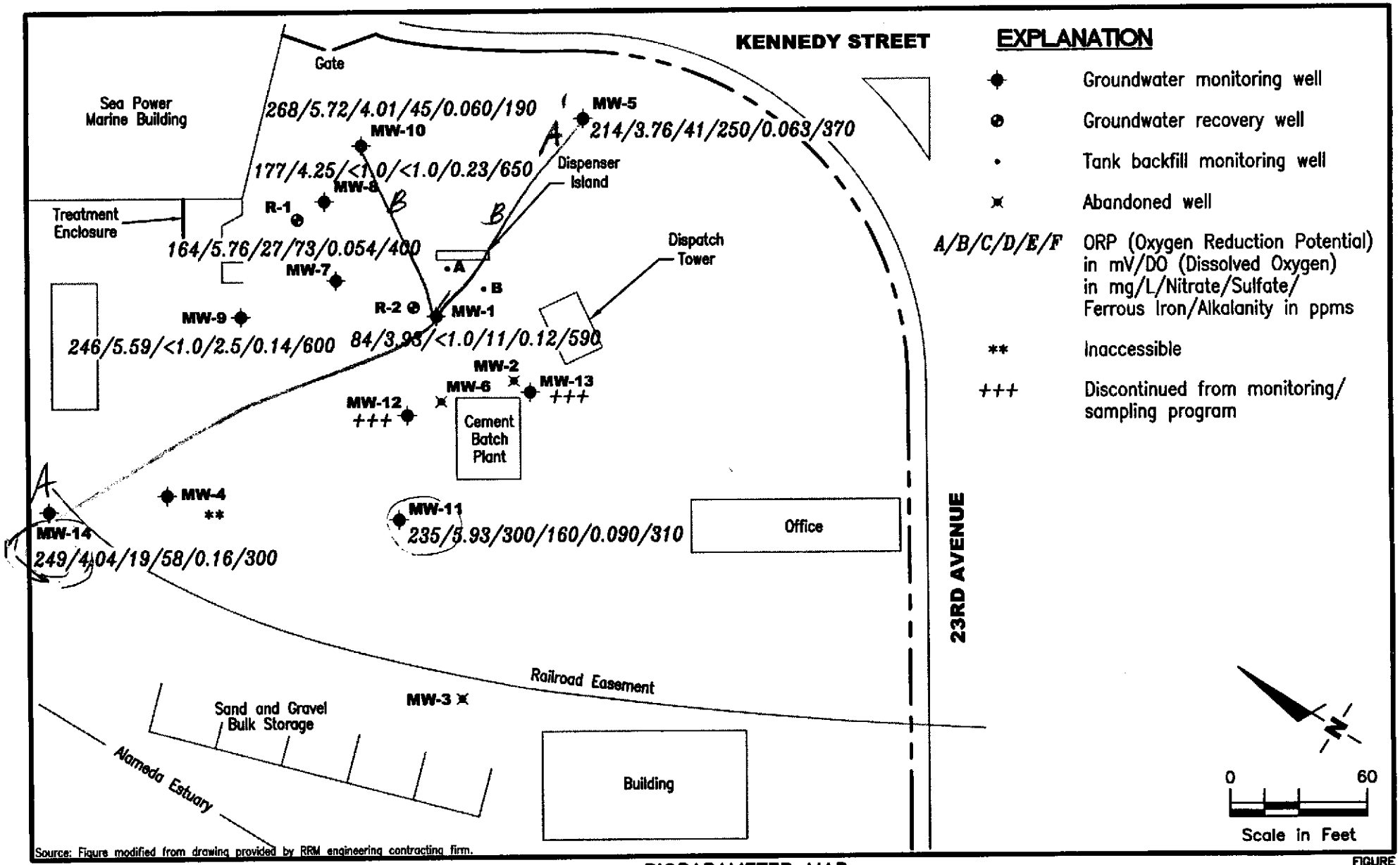
BIOPARAMETER MAP
Chevron/RMC Lonestar Facility CPS #20-6142
333 23rd Avenue
Oakland, California

FIGURE
5

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
346338		March 7, 2000	

FILE NAME: P:\ENVIRO\CHEVRON\20-6142\A00-20-6142.DWG | Layout Tab: Bio1



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

FIGURE 6

Gettler - Ryan Inc.
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BIOPARAMETER MAP
Chevron/RMC Lonestar Facility CPS #20-6142
333 23rd Avenue
Oakland, California

PROJECT NUMBER 346338
REVIEWED BY
DATE July 11, 2000
REVISED DATE

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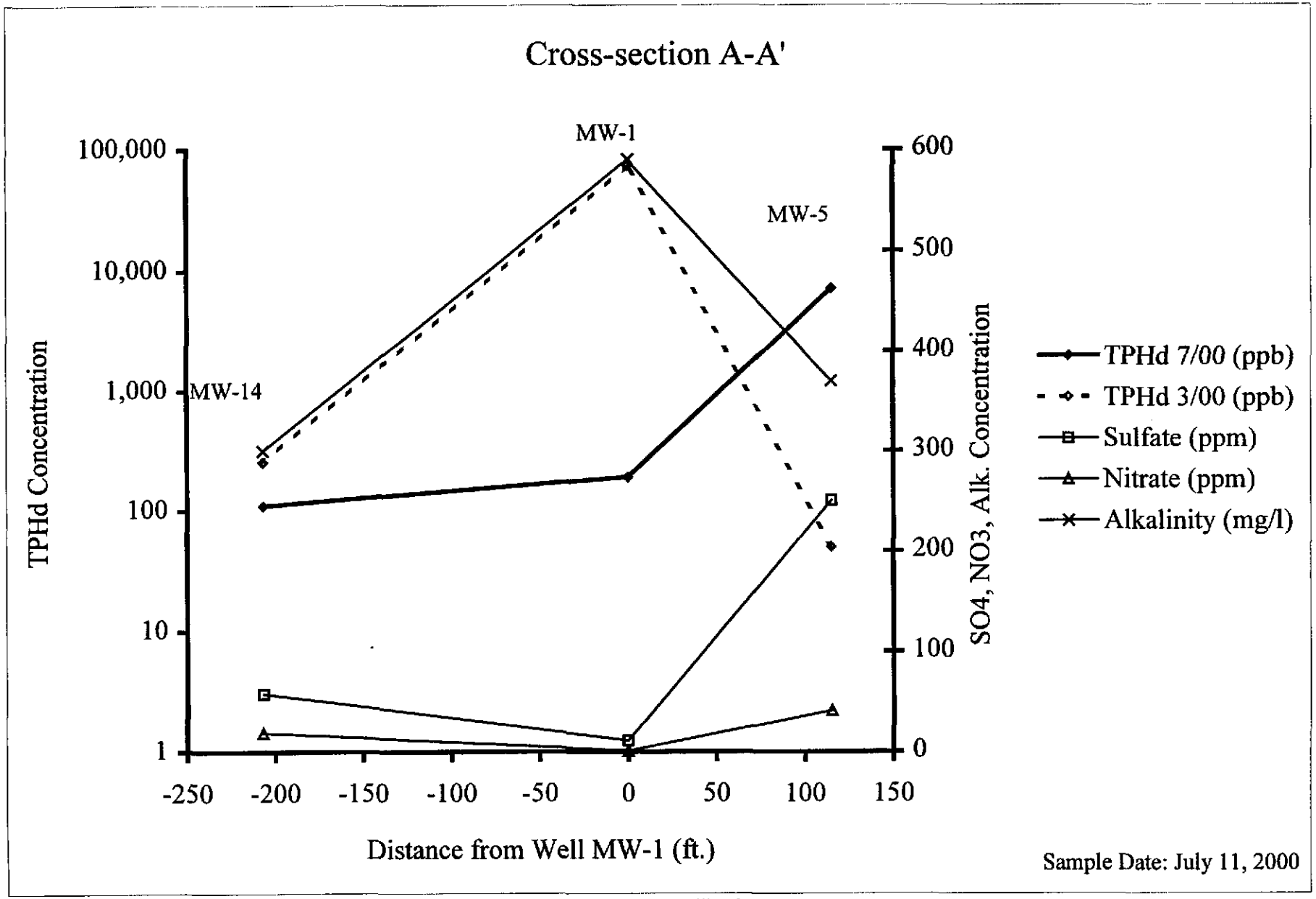

Project Number
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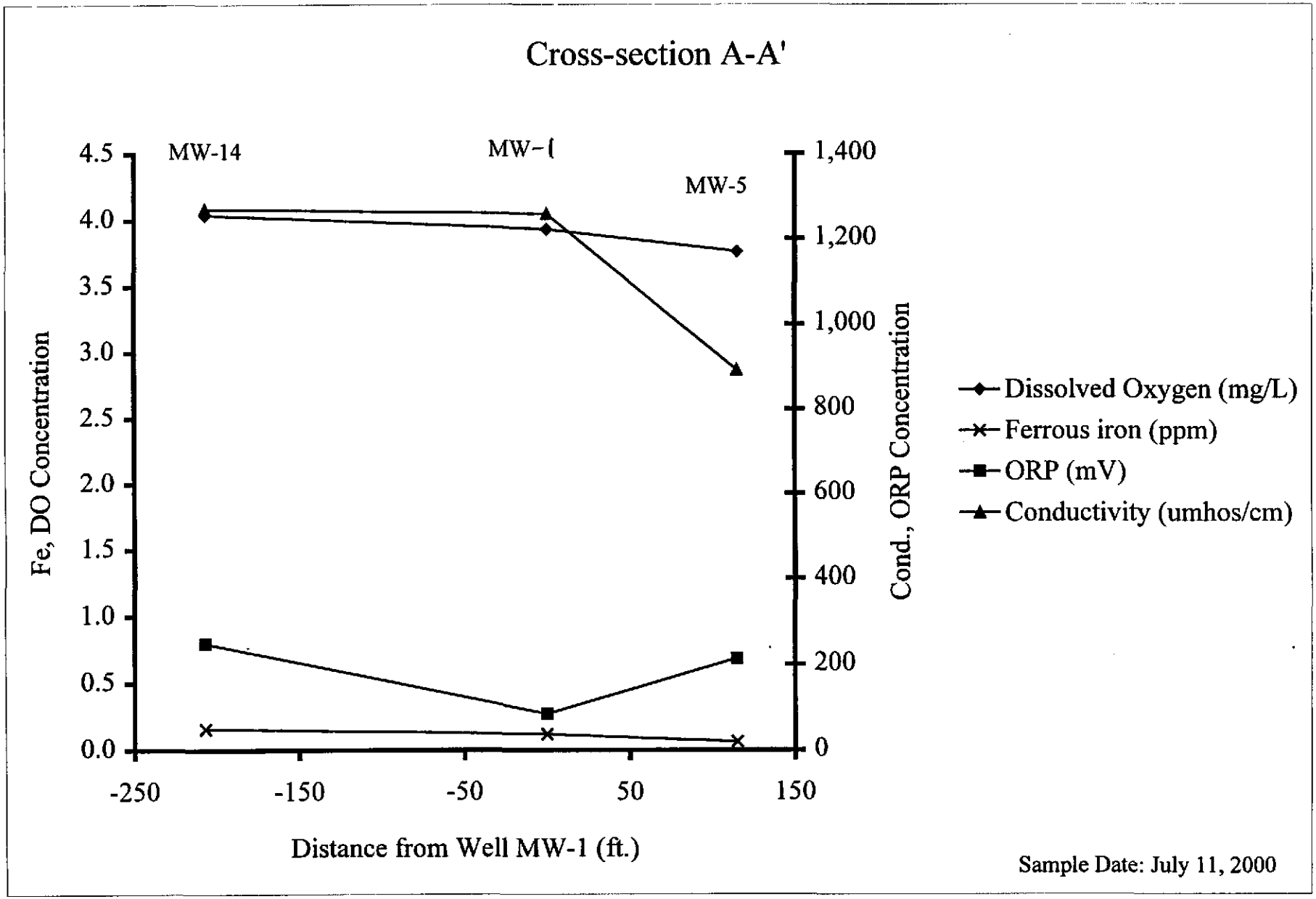
Chevron/RMC Lonestar Facility CPS #20-6142
333 23rd Avenue
Oakland, California

Figure
7



Project Number
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Chevron/RMC Lonestar Facility CPS #20-6142
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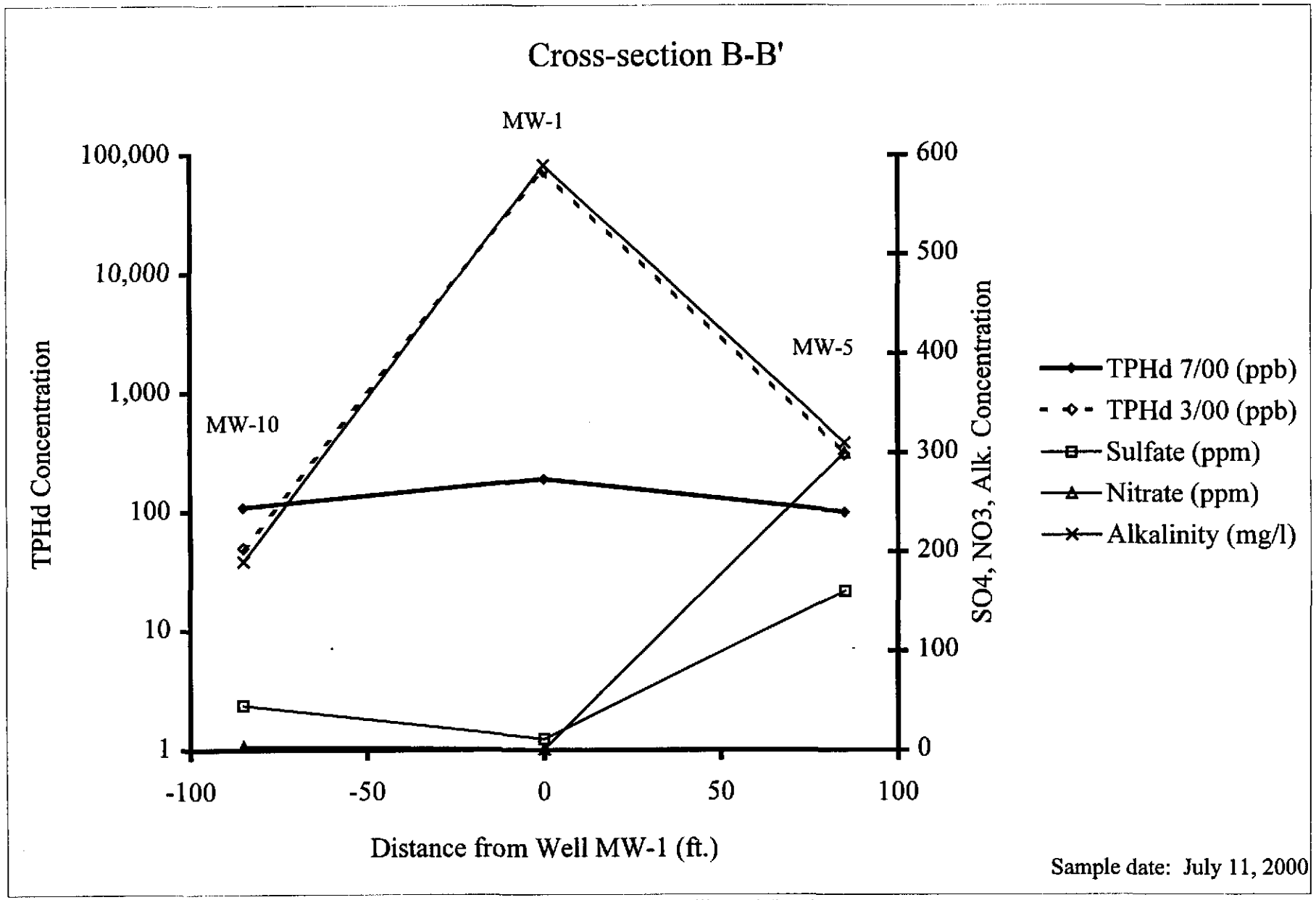
Figure
8



Project Number
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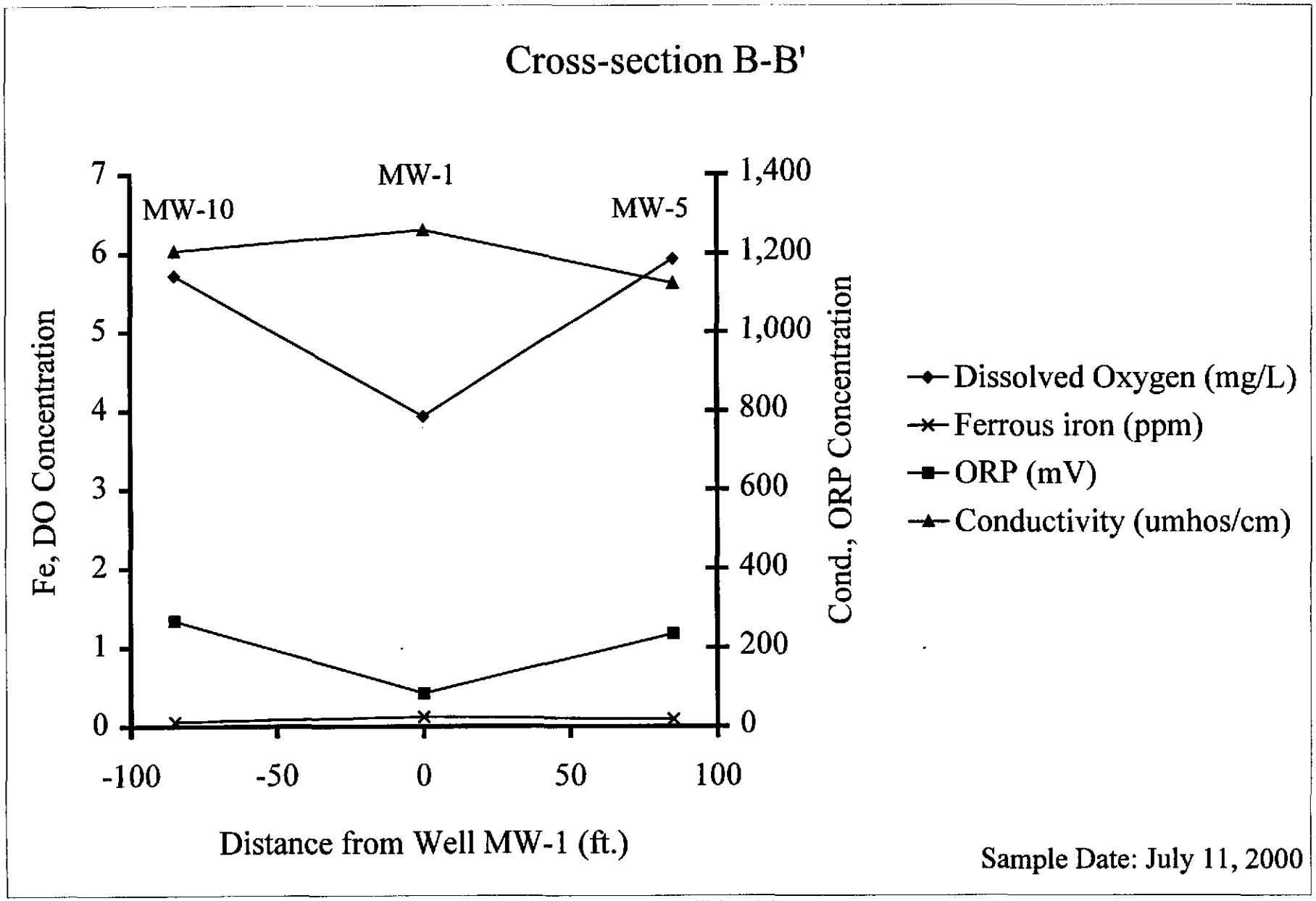
Chevron/RMC Lonestar Facility CPS #20-6142
333 23rd Avenue
Oakland, California

Figure
9



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Chevron/RMC Lonestar Facility CPS #20-6142
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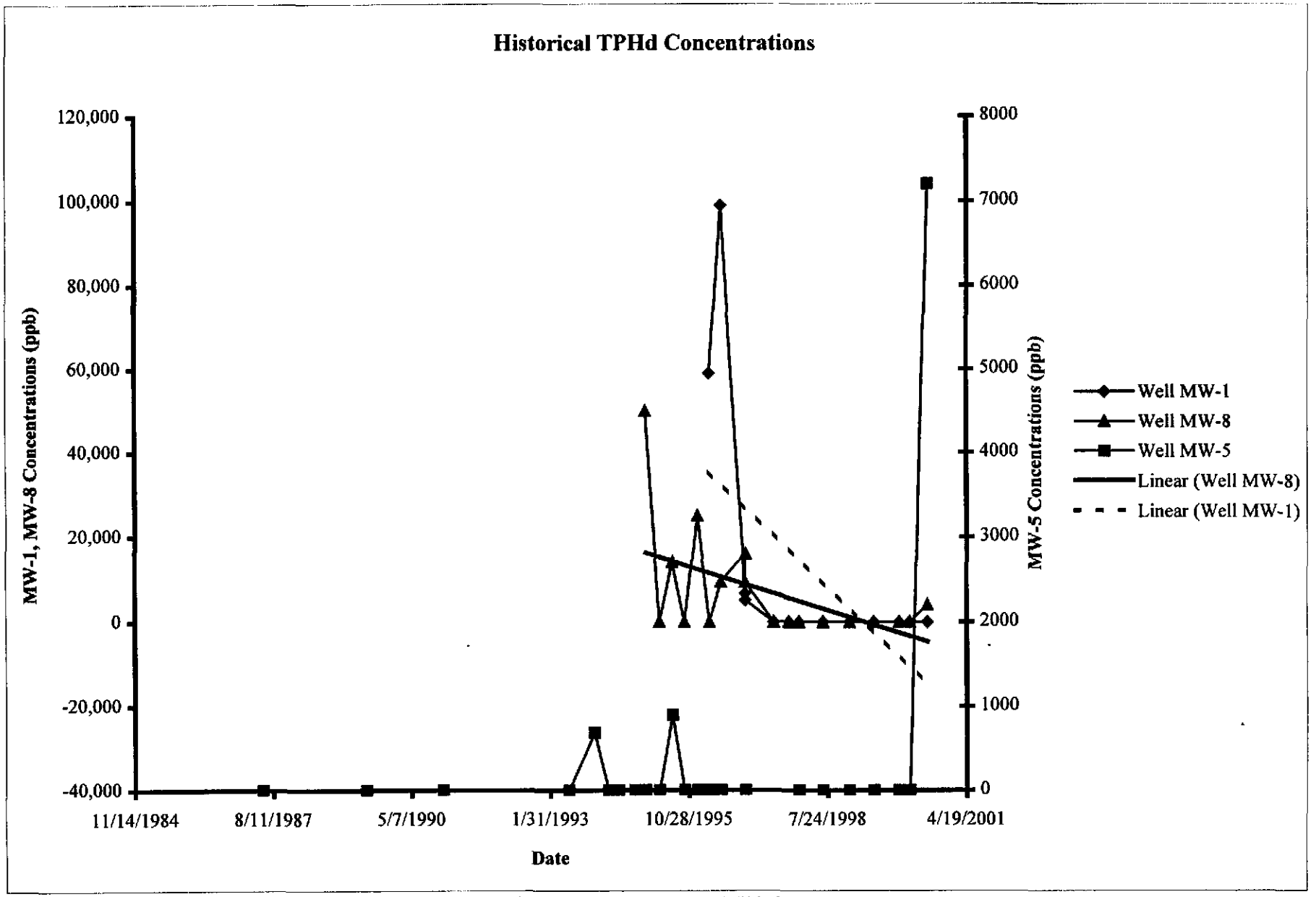
Figure
10



Project Number
346338

Chevron/RMC Lonestar CPS #20-6142
333 23rd Avenue
Oakland, California

Figure
11

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE (8020/8260)	TPH-Diesel
MW-1											
12/21/1990	4.70	-3.41	9.77	Free Product (2.07')	--	--	--	--	--	--	--
12/18/1993	4.70	-3.73	8.45	Free Product (0.03')	--	--	--	--	--	--	--
3/29/1994	4.70	-3.94	9.00	Free Product (0.45')	--	--	--	--	--	--	--
6/9/1994	4.70	--	--	--	--	--	--	--	--	--	--
10/4/1994	4.70	-3.98	8.71	Free Product (0.04')	--	--	--	--	--	--	--
12/20/1994	4.70	-3.14	8.38	Free Product (0.67')	--	--	--	--	--	--	--
3/28/1995	4.70	-2.69	7.79	Free Product (0.5')	--	--	--	--	--	--	--
6/30/1995	4.70	--	--	--	--	--	--	--	--	--	--
9/24/1995	4.70	-2.69	7.79	Free Product (0.5')	--	--	--	--	--	--	--
12/29/1995	4.70		--	Inaccessible	--	--	--	--	--	--	--
3/24/1996	4.70	-2.97	7.68	Free Product (0.01')/ORCs installed	1400*	<0.5	<0.5	<0.5	<0.5	--	59,000
6/16/1996	4.70	-3.16	7.86	--	<500	<5.0	<5.0	<5.0	<5.0	--	99,000
12/8/1996	4.70	-3.68	8.38	--	280*	<0.5	<0.5	<0.5	<0.5	<5.0	6700
12/8/1996	4.70	-3.68	8.38	Silica gel cleanup	--	--	--	--	--	--	5100
6/30/1997	10.16	1.51	8.65	--	200*	<0.5	<0.5	<0.5	<0.5	<2.5	950**
6/30/1997	10.16	1.51	8.65	1st Silica gel/2nd Silica gel cleanup	--	--	--	--	--	--	600**/600**
10/16/1997	10.16	3.80	6.36	ORCs reinstalled	--	--	--	--	--	--	--
12/28/1997	10.16	2.66	7.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	4700**
6/21/1998	10.16	2.28	7.88	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	1300**
12/30/1998	10.16	1.63	8.53	Silica gel cleanup	<50	<0.5	0.51	<0.5	<0.5	<2.5	230*
6/24/1999	10.16	0.14	10.02	++	11,400*	<50	<50	<50	<50	<2500	4,950,000**
12/22/1999	10.16	1.61	8.55	++	5130	<10	<10	<10	<10	<50	7490**
3/7/2000	10.16	3.03	7.13	++, silica gel cleanup	772***	<0.500	<0.500	<0.500	<0.500	<2.50/1.16	74,000**
7/11/2000	10.16	1.99	8.17	++, silica gel cleanup	93*	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0	190*
MW-2											
6/15/1989	--	--	--	--	<200	<0.5	<0.5	<0.5	<0.5	--	--
12/1/1992	--	--	--	Abandoned	--	--	--	--	--	--	--

* Chromatogram pattern indicates an unidentified hydrocarbon.
** Chromatogram pattern indicates weathered diesel.
*** Hydrocarbon pattern present in the requested fuel quantitation range but does not resemble the requested fuel. More closely resembles a heavier fuel.
++ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE (8020/8260)	TPH-Diesel
MW-4											
5/28/1987	--	--	--	--	--	<0.5	<0.5	<0.5	<0.2	--	<5.0
6/15/1989	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	<0.2
12/21/1990	--	--	7.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/19/1993	--	--	6.64	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
6/16/1993	--	--	8.01	--	210	32	27	2.8	19	--	<50
12/18/1993	--	--	7.35	--	79	0.5	1.2	0.5	1.1	--	100
3/29/1994	--	--	8.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
6/9/1994	--	--	8.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/4/1994	--	--	7.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/20/1994	--	--	7.03	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/28/1995	--	--	6.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
6/30/1995	--	--	7.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
9/24/1995	--	--	7.67	--	<50	<0.5	<0.5	<0.5	<0.5	--	110
12/29/1995	--	--	--	Unable to locate	--	--	--	--	--	--	--
3/24/1996	--	--	7.41	--	<50	<0.5	<0.5	<0.5	<0.5	--	95
6/16/1996	--	--	--	Unable to locate	--	--	--	--	--	--	--
12/8/1996	--	--	--	Unable to locate	--	--	--	--	--	--	--
12/30/1998	--	--	--	Inaccessible	--	--	--	--	--	--	--
6/24/1999	--	--	--	Inaccessible	--	--	--	--	--	--	--
12/22/1999	--	--	--	Inaccessible	--	--	--	--	--	--	--
3/7/2000	--	--	--	Inaccessible	--	--	--	--	--	--	--
7/11/2000	--	--	--	Inaccessible	--	--	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE (8020/8260)	TPH-Diesel
MW-5											
5/28/1987	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<5.0
6/15/1989	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/1990	5.43	-3.68	9.11	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
6/16/1993	5.43	-3.69	9.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/18/1993	5.43	-3.29	8.72	--	<50	<0.5	<0.5	<0.5	<0.5	--	690
3/29/1994	5.43	-3.57	9.00	--	--	--	--	--	--	--	--
6/9/1994	5.43	-3.93	9.36	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/4/1994	5.43	--	--	--	--	----	--	--	--	--	--
12/20/1994	5.43	-2.67	8.10	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/28/1995	5.43	-2.78	8.21	--	--	--	--	--	--	--	--
6/30/1995	5.43	-3.35	8.78	--	<50	<0.5	<0.5	<0.5	<0.5	--	900
9/24/1995	5.43	-2.97	8.40	--	--	--	--	--	--	--	--
12/29/1995	5.43	-2.96	8.39	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/24/1996	5.43	--	--	--	--	--	--	--	--	--	--
6/16/1996	5.43	-3.15	8.58	--	<50	<0.5	<0.5	<0.5	<50	--	--
12/8/1996	11.11	--	--	No longer sampled	--	--	--	--	--	--	--
12/28/1997	11.11	2.74	8.37	--	--	--	--	--	--	--	--
6/21/1998	11.11	2.48	8.63	--	--	--	--	--	--	--	--
12/30/1998	11.11	--	--	Inaccessible	--	--	--	--	--	--	--
6/24/1999	11.11	--	--	Inaccessible	--	--	--	--	--	--	--
12/22/1999	11.11	1.99	9.12	++	<50	<0.5	<0.5	<0.5	<0.5	49.8	<50
3/7/2000	11.11	3.02	8.09	++, silica gel cleanup	<50.0	<0.500	<0.500	<0.500	<0.500	35.2/43.8	<50.0
7/11/2000	11.11	2.02	9.09	++, silica gel cleanup	<50	<0.50	<0.50	<0.50	<0.50	24/22	7,200

++ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
MW-7											
6/15/1989	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/1990	4.51	-3.38	7.90	Free Product (0.01')	--	--	--	--	--	--	--
6/16/1993	4.51	-3.94	8.45	--	<50	<0.5	0.9	<0.5	<0.5	--	<50
12/18/1993	4.51	-3.50	8.01	--	<50	<0.5	<0.5	<0.5	<0.5	--	240
3/29/1994	4.51	-4.09	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
6/9/1994	4.51	-4.10	8.61	--	<50	<0.5	<0.5	<0.5	<0.5	--	130*
10/4/1994	4.51	-3.31	7.82	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/20/1994	4.51	-3.19	7.70	--	<50	<0.5	<0.5	<0.5	<0.5	--	140
3/28/1995	4.51	-3.16	7.67	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
6/30/1995	4.51	-3.82	8.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
9/24/1995	4.51	-3.65	8.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/29/1995	4.51	-3.00	7.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	230*
3/24/1996	4.51	-3.17	7.69	*Free Product (0.01')/ORCs installed*	<50	<0.5	<0.5	<0.5	<0.5	--	81
6/16/1996	4.51	-5.86	10.37	--	<50	<0.5	<0.5	<0.5	<0.5	--	190
12/8/1996	10.15	--	--	No longer sampled	--	--	--	--	--	--	--
10/16/1997	10.15	2.16	7.99	ORCs reinstalled	--	--	--	--	--	--	--
12/28/1997	10.15	2.38	7.77	--	--	--	--	--	--	--	--
6/21/1998	10.15	2.18	7.97	--	--	--	--	--	--	--	--
12/30/1998	10.15	1.37	8.78	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	92*
6/24/1999	10.15	1.15	9.00	++	<50	<0.5	<0.5	<0.5	<0.5	<2.5	278*
12/22/1999	10.15	0.88	9.27	++	<50	<0.5	<0.5	<0.5	<0.5	<2.5	167**
3/7/2000	10.15	2.78	7.37	++, silica gel cleanup	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50/<0.500	253***
7/11/2000	10.15	1.88	8.27	++, silica gel cleanup	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0	120*

* Chromatogram pattern indicates an unidentified hydrocarbon.
++ See Table of Additional Analyses.
*** Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE (8020/8260)	TPH-Diesel
MW-8											
12/21/1990	4.93	-3.59	8.53	Free Product (0.02')	--	--	--	--	--	--	--
12/18/1993	4.93	--	--	--	--	--	--	--	--	--	--
3/29/1994	4.93	-3.46	8.38	--	--	--	--	--	--	--	--
6/9/1994	4.93	--	--	--	--	--	--	--	--	--	--
12/20/1994	4.93	-2.66	7.58	--	<2500	120	100	<25	100	--	50,000
3/28/1995	4.93	-2.16	7.08	--	--	--	--	--	--	--	--
6/30/1995	4.93	-3.17	8.09	--	<50	<0.5	<0.5	<0.5	<0.5	--	14,000
9/24/1995	4.93	-3.53	8.45	--	--	--	--	--	--	--	--
12/29/1995	4.93	-2.55	7.47	--	520	<2.0	<2.0	<2.0	<2.0	--	25,000
3/24/1996	4.93	--	--	--	--	--	--	--	--	--	--
6/16/1996	4.93	-3.07	7.99	--	59*	<0.5	<0.5	<0.5	<0.5	--	9400
12/8/1996	4.93	-2.74	7.67	--	580*	<0.5	<0.5	<0.5	<0.5	<5.0	16,000
12/8/1996	4.93	-2.74	7.67	Silica gel cleanup	--	--	--	--	--	--	9300
6/30/1997	10.09	-1.56	11.65	--	1700*	<5.0	<5.0	<5.0	<5.0	<25	5300**
6/30/1997	10.09	-1.56	11.65	1st Silica gel/2nd Silica gel cleanup	--	--	--	--	--	--	3100**/3000**
10/16/1997	10.09	2.29	7.80	ORCs installed	--	--	--	--	--	--	--
12/28/1997	10.09	2.56	7.53	No Purge Sample	<50	<0.5	<0.5	<0.5	<0.5	<2.5	2700*
6/21/1998	10.09	2.03	8.06	--	57*	<0.5	0.52	<0.5	0.55	<2.5	3500**
12/30/1998	10.09	0.97	9.12	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	900**
6/24/1999	10.09	1.06	9.03	++	2150*	<5.0	<5.0	<5.0	<5.0	<25	35,200**
12/22/1999	10.09	1.04	9.05	++	3490	<2.0	<2.0	<2.0	<2.0	<10	2590**
3/7/2000	10.09	2.38	7.71	++, silica gel cleanup	682***	<0.500	<0.500	<0.500	<0.500	<2.50<0.500	41,800**
7/11/2000	10.09	1.86	8.23	++, silica gel cleanup	490*	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0	4,000

* Chromatogram pattern indicates an unidentified hydrocarbon.
** Chromatogram pattern indicates weathered diesel.
*** Hydrocarbon pattern present in the requested fuel quantitation range but does not resemble the requested fuel. More closely resembles a heavier fuel.
++ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per *billion (ppb)*

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE (8020/8260)	TPH-Diesel
MW-9											
5/28/1987	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<50
6/15/1989		--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/1990		--	7.86	Sheen	<50	<0.5	<0.5	<0.5	1.0	--	230
6/16/1993	4.42	-3.92	8.34	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
12/18/1993	4.42	-3.49	7.91	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/29/1994	4.42	-3.43	7.85	--	--	--	--	--	--	--	--
6/9/1994	4.42	-4.27	8.69	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/4/1994	4.42	--	--	--	--	--	--	--	--	--	--
12/20/1994	4.42	-3.18	7.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/28/1995	4.42	-3.16	7.58	--	--	--	--	--	--	--	--
6/30/1995	4.42	-3.92	8.34	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
9/24/1995	4.42	-3.79	8.21	--	--	--	--	--	--	--	--
12/29/1995	4.42	-3.06	7.48	--	<50	<0.5	<0.5	<0.5	<0.5	--	600
3/24/1996	4.42	--	--	ORCs installed	--	--	--	--	--	--	--
6/16/1996	4.42	-3.83	8.25	--	<50	<0.5	<0.5	<0.5	<0.5	--	810
12/8/1996	10.13	--	--	No longer sampled	--	--	--	--	--	--	--
10/16/1997	10.13	1.61	8.52	ORCs reinstalled	--	--	--	--	--	--	--
12/28/1997	10.13	2.55	7.58	--	--	--	--	--	--	--	--
6/21/1998	10.13	2.06	8.07	--	--	--	--	--	--	--	--
12/30/1998	10.13	1.85	8.28	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	53*
6/24/1999	10.13	1.14	8.99	++	<50	<0.5	<0.5	<0.5	<0.5	<2.5	308*
12/22/1999	10.13	1.54	8.59	++	<50	<0.5	<0.5	<0.5	<0.5	<2.5	898*
3/7/2000	10.13	2.83	7.30	++, silica gel cleanup	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50/<0.500	453**
1/8/1900	10.13	1.70	8.43	++, silica gel cleanup	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0	160*

* Chromatogram pattern indicates an unidentified hydrocarbon.
** Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
++ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE (8020/8260)	TPH-Diesel
MW-10											
6/15/1989	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/1990	5.24	-3.68	8.92	--	<50	<0.5	<0.5	<0.5	<0.5	--	80
6/16/1993	5.24	-3.73	8.97	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/18/1993	5.24	-2.63	7.87	--	51*	<0.5	<0.5	<0.5	<0.5	--	12,000
3/29/1994	5.24	-3.96	9.20	--	--	--	--	--	--	--	--
6/9/1994	5.24	-4.07	9.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/4/1994	5.24	--	--	--	--	--	--	--	--	--	--
12/20/1994	5.24	-3.06	8.30	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/28/1995	5.24	-3.02	8.26	--	--	--	--	--	--	--	--
6/30/1995	5.24	-3.71	8.95	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
9/24/1995	5.24	-3.63	8.87	--	--	--	--	--	--	--	--
12/29/1995	5.24	-2.79	8.03	--	<50	<0.5	<0.5	<0.5	<0.5	--	1800*
3/24/1996	5.24	--	--	ORCs installed	--	--	--	--	--	--	--
6/16/1996	5.24	-3.53	8.77	--	<50	<0.5	<0.5	<0.5	<0.5	--	300
12/8/1996	10.91	--	--	No longer sampled	--	--	--	--	--	--	--
10/16/1997	10.91	2.31	8.60	ORCs reinstalled	--	--	--	--	--	--	--
12/28/1997	10.91	2.59	8.32	--	--	--	--	--	--	--	--
6/21/1998	10.91	2.18	8.73	--	--	--	--	--	--	--	--
12/30/1998	10.91	2.93	7.98	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<50
6/24/1999	10.91	1.55	9.36	++	<50	<0.5	<0.5	<0.5	<0.5	<2.5	163*
12/22/1999	10.91	1.47	9.44	++	<50	<0.5	<0.5	<0.5	<0.5	<2.5	250*
3/7/2000	10.91	2.84	8.07	++, silica gel cleanup	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50/<0.500	<50.0
7/11/2000	10.91	1.89	9.02	++, silica gel cleanup	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0	110*

* Chromatogram pattern indicates an unidentified hydrocarbon.
++ See Table of Additional Analyses.
Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

Cumulative Table of Well Data and Analytical Results

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE (8020/8260)	TPH-Diesel
MW-11											
8/21/1987	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<0.1
6/21/1989	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/1990	--	--	8.59	Sheen	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/19/1993	4.37	-3.20	7.57	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
6/16/1993	4.37	-4.47	8.84	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
12/18/1993	4.37	-3.89	8.26	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/29/1994	4.37	-4.70	9.07	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
6/9/1994	4.37	-4.77	9.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	150*
10/4/1994	4.37	-3.57	7.94	--	<50	<0.5	1.0	<0.5	<0.5	--	<50
12/20/1994	4.37	-3.31	7.68	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/28/1995	4.37	-2.53	6.90	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
6/30/1995	4.37	-4.44	8.81	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
9/24/1995	4.37	-4.43	8.80	--	<50	<0.5	<0.5	<0.5	<0.5	--	110
12/29/1995	4.37	-3.85	8.22	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/24/1996	4.37	-4.09	8.46	--	<50	<0.5	<0.5	<0.5	<0.5	--	80
6/16/1996	4.37	-4.37	8.74	--	<50	<0.5	<0.5	<0.5	<0.5	--	868
12/8/1996	4.37	-3.38	7.75		<50	<0.5	<0.5	<0.5	<0.5	<5.0	<50
6/30/1997	6.71	-1.92	8.63	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	71**
6/30/1997	6.71	-1.92	8.63	Silica gel cleanup	--	--	--	--	--	--	<50
10/16/1997	6.71		--	Inaccessible	--	--	--	--	--	--	--
12/28/1997	6.71	-0.94	7.65	ORCs installed	<50	<0.5	<0.5	<0.5	<0.5	<2.5	82**
6/21/1998	6.71	-1.41	8.12	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	89*
12/30/1998	6.71	-2.54	9.25	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<50
6/24/1999	6.71	-1.32	8.03	++	<50	<0.5	<0.5	<0.5	<0.5	<2.5	69*
12/22/1999	6.71	-2.42	9.13	++	<50	<0.5	<0.5	<0.5	<0.5	<2.5	72*
3/7/2000	6.71	-0.69	7.40	++, silica gel cleanup	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50/<0.500	307***
7/11/2000	6.71	-1.91	8.62	++, silica gel cleanup	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0	100*

* Chromatogram pattern indicates an unidentified hydrocarbon.
** *Chromatogram pattern* indicates weathered diesel.
*** Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
++ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
MW-12											
8/21/1987	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<0.1
12/18/1993	--	--	--	--	--	--	--	--	--	--	--
3/29/1994	--	--	--	--	--	--	--	--	--	--	--
6/9/1994	--	--	--	Inaccessible	--	--	--	--	--	--	--
NO LONGER MONITORED OR SAMPLED											
MW-13											
8/21/1987	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<0.1
6/15/1989	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
3/19/1993	4.73	-2.89	7.62	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
6/16/1993	4.73	-3.83	8.56	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
12/18/1993	4.73	-3.38	8.11	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/29/1994	4.73	-3.92	8.65	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
6/9/1994	4.73	-3.87	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/4/1994	4.73	-3.58	8.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/20/1994	4.73	-3.19	7.92	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/28/1995	4.73	-3.05	7.78	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
6/30/1995	4.73	--	--	--	--	--	--	--	--	--	--
9/24/1995	4.73	-3.61	8.34	--	<50	<0.5	<0.5	<0.5	<0.5	--	180
12/29/1995	4.73		--	Unable to locate	--	--	--	--	--	--	--
3/24/1996	4.73	-3.01	7.74	**	<50	<0.5	<0.5	<0.5	<0.5	--	<50
3/24/1996	4.73	-3.34	8.07	--	<50	<0.5	<0.5	<0.5	<0.5	--	57*
NO LONGER MONITORED OR SAMPLED											

* Chromatogram pattern indicates an unidentified hydrocarbon.
** Total Dissolved Solids by EPA 160.1 detected at 1600 ppb.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE (8020/8260)	TPH-Diesel
MW-14											
6/30/1997	5.56	-1.92	7.48	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	86**
6/30/1997	5.56	-1.92	7.48	--	--	--	--	--	--	--	<50
10/16/1997	5.56	-1.86	7.42	--	--	--	--	--	--	--	--
12/28/1997	5.56	-1.46	7.02	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	97**
6/21/1998	5.56	-1.47	7.03	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	65**
12/30/1998	5.56	--	--	Inaccessible	--	--	--	--	--	--	--
6/24/1999	5.56	--	--	Inaccessible	--	--	--	--	--	--	--
12/22/1999	5.56	-1.99	7.55	++	<50	<0.5	<0.5	<0.5	<0.5	<2.5	101**
3/7/2000	5.56	-0.91	6.47	++, silica gel cleanup	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50/<0.500	254***
7/11/2000	5.56	-1.99	7.55	++, silica gel cleanup	<50	<0.50	<0.50	<0.50	<0.50	<2.5/<2.0	110*

* Chromatogram pattern indicates weathered diesel.
** Chromatogram pattern indicates an unidentified hydrocarbon.
*** Hydrocarbon pattern is present in the requested *fuel quantitation range* but does not resemble the pattern of the requested fuel.
++ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE (8020/8260)	TPH-Diesel
TRIP BLANK											
3/19/1993	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
6/16/1993	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/18/1993	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
3/29/1994	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
6/9/1994	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/1994	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
3/28/1995	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
6/30/1995	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
9/24/1995	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/29/1995	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
3/24/1996	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
6/16/1996	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/8/1996	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
6/30/1997	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/28/1997	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
6/21/1998	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/30/1998	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
3/7/2000	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
7/11/2000	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

TABLE OF ADDITIONAL ANALYSES

Analytical results are in parts per million (ppm) unless otherwise notes.

DATE	ORP (mV)	DO (mg/L)	Nitrate (NO_3)	Notes	Sulfate (SO_4)	Ferrous Iron	Phosphate	Ammonia	Alkalinity
MW-1									
11/9/1995	--	0.90	--	--	--	--	--	--	--
6/16/1996	--	1.34	>5.0	ORCs Installed	--	--	2.0	>10	--
12/8/1996	--	1.39	13.00	--	14	2.6	--	--	--
6/30/1997	-16.5	1.00	<1.0	--	10	5.6	--	--	--
10/16/1997	--	0.51	--	ORCs Reinstalled	--	--	--	--	--
12/28/1997	22.9	2.30	7.60	No Purge Sampling	7.3	1.7	--	--	--
6/21/1998	102	1.60	<1.0	--	7.1	0.35	--	--	570
6/24/1999	35	1.20	<1.0	--	3.64	9.2	--	--	560
12/22/1999	99	1.00	1.37	--	9.87	0.4	--	--	677
3/7/2000	67	4.04	<0.20	--	7.63	0.735	--	--	661
7/11/2000	84	3.93	<1.0	--	11	0.12	--	--	590
MW-4									
11/9/1995	--	0.37	0.20	--	--	--	0	0.01	--
MW-5									
11/9/1995	--	0.85	0.10	--	--	--	1.5	0.1	--
6/16/1996	--	0.78	--	--	--	--	--	--	--
12/28/1997	--	5.24	--	--	--	--	--	--	--
6/21/1998	--	2.30	--	--	--	--	--	--	--
12/30/1998	--	--	--	Inaccessible	--	--	--	--	--
6/24/1999	--	--	--	Inaccessible	--	--	--	--	--
12/22/1999	116	1.60	7.65	--	294	<0.01	--	--	341
3/7/2000	193	3.42	7.38	--	263	<0.10	--	--	325
7/11/2000	214	3.76	41	--	250	0.063	--	--	370

TABLE OF ADDITIONAL ANALYSES

Analytical results are in parts per million (ppm) unless otherwise notes.

DATE	ORP (mV)	DO (mg/L)	Nitrate (NO_3)	Notes	Sulfate (SO_4)	Ferrous Iron	Phosphate	Ammonia	Alkalinity
MW-7									
11/9/1995	--	0.42	--	--	--	--	--	--	--
6/16/1996	--	OR	>5.0	ORCs Installed	--	--	4.0	>10	--
10/16/1997	--	0.73	--	ORCs Reinstalled	--	--	--	--	--
12/28/1997	--	1.10	--	--	--	--	--	--	--
6/21/1998	--	0.58	--	--	--	--	--	--	--
12/30/1998	96	2.10	71	--	56	0.36	--	--	590
6/24/1999	30	1.10	220	--	56	<0.01	--	--	420
12/22/1999	107	0.80	46.8	--	53	<0.01	--	--	325
3/7/2000	144	6.61	20.7	--	63.4	0.143	--	--	490
7/11/2000	164	5.76	27	--	73	0.054	--	--	400
MW-8									
11/9/1995	--	0.95	--	--	--	--	--	--	--
6/16/1996	--	0.29	0.00	--	--	--	0.6	0.6	--
12/8/1996	-35	0.51	<0.10	--	3.0	6.1	--	--	--
6/30/1997	-50.2	9.50	<1.0	--	17	0.22	--	--	--
10/16/1997	--	1.84	--	ORCs Installed	--	--	--	--	--
12/28/1997	41.6	3.08	<5.0	No Purge Sampling	5.3	0.25	--	--	--
6/21/1998	--	2.80	<1.0	--	11	0.66	--	--	--
12/30/1998	87	2.00	<1.0	--	7.7	0.27	--	--	980
6/24/1999	29	1.40	<1.0	--	18	13	--	--	650
12/22/1999	56	1.50	1.07	--	11.5	3.0	--	--	1980
3/7/2000	162	5.28	<0.40	--	3.92	0.712	--	--	664
7/11/2000	177	4.25	<1.0	--	<1.0	0.23	--	--	650

TABLE OF ADDITIONAL ANALYSES

Analytical results are in parts per million (ppm) unless otherwise notes.

DATE	ORP (mV)	DO (mg/L)	Nitrate (NO_3)	Notes	Sulfate (SO_4)	Ferrous Iron	Phosphate	Ammonia	Alkalinity
MW-9									
11/9/1995	--	0.58	--	--	--	--	--	--	--
6/16/1996	--	14.66	>5.0	ORCs Installed	--	--	>10	1.0	--
10/16/1997	--	3.49	--	ORCs Reinstalled	--	--	--	--	--
12/28/1997	--	6.95	--	--	--	--	--	--	--
6/21/1998	--	1.67	--	--	--	--	--	--	--
12/30/1998	121	1.40	8.40	--	16	0.14	--	--	560
6/24/1999	29	1.20	5.76	--	25	<0.01	--	--	510
12/22/1999	50	1.30	1.02	--	7.9	0.22	--	--	582
3/7/2000	194	5.34	<0.40	--	3.32	0.103	--	--	562
7/11/2000	246	5.59	<1.0	--	2.5	0.14	--	--	600
MW-10									
11/9/1995	--	1.49	--	--	--	--	--	--	--
6/16/1996	--	3.30	1.00	ORCs Installed	--	--	6.0	>10	--
10/16/1997	--	8.06	--	ORCs Reinstalled	--	--	--	--	--
12/28/1997	--	>19.99	--	--	--	--	--	--	--
6/21/1998	--	18.57	--	--	--	--	--	--	--
12/30/1998	131	1.00	8.8	--	110	0.13	--	--	320
6/24/1999	11	1.20	9.16	--	110	<0.01	--	--	370
12/22/1999	133	1.20	3.13	--	123	0.086	--	--	947
3/7/2000	192	5.16	2.15	--	90	0.135	--	--	389
7/11/2000	268	5.72	4.0	--	45	0.06	--	--	190
MW-11									
11/9/1995	--	0.52	0.20	--	--	--	5.0	0.1	--
6/16/1996	--	0.25	--	--	--	--	--	--	--
12/8/1996	165	0.31	340	--	99	<0.010	--	--	--
6/30/1997	-25	2.99	350	--	140	0.015	--	--	--
10/16/1997	--	--	--	Inaccessible	--	--	--	--	--
12/28/1997	21.5	2.00	240	ORCs Installed	130	0.93	--	--	--
6/21/1998	--	0.50	190	--	190	0.022	--	--	--
12/30/1998	136	1.20	220	--	140	0.041	--	--	290
6/24/1999	31	1.40	180	--	140	<0.01	--	--	290
12/22/1999	128	1.20	77.3	--	124	0.35	--	--	343
3/7/2000	213	5.44	67.8	--	167	0.759	--	--	334
7/11/2000	235	5.93	300	--	160	0.090	--	--	310

TABLE OF ADDITIONAL ANALYSES

Analytical results are in parts per million (ppm) unless otherwise notes.

DATE	ORP (mV)	DO (mg/L)	Nitrate (NO_3)	Notes	Sulfate (SO_4)	Ferrous Iron	Phosphate	Ammonia	Alkalinity
MW-13									
11/9/1995	--	--	--	Unable to locate	--	--	--	--	--
6/16/1996	--	0.52	0.10	--	--	--	0.4	0.2	--
MW-14									
6/30/1997	-31.2	4.56	<1.0	--	41	0.29	--	--	--
10/16/1997	--	0.85	--	--	--	--	--	--	--
12/28/1997	133	2.75	10	--	35	0.028	--	--	--
6/21/1998	--	1.00	28	--	44	0.15	--	--	--
6/24/1999	--	--	--	Inaccessible	--	--	--	--	--
12/22/1999	104	1.70	2.95	--	44.5	1.2	--	--	491
3/7/2000	199	5.92	3.18	--	40.2	0.127	--	--	172
7/11/2000	249	4.04	19	--	58	0.16	--	--	300
R-2									
11/9/1995	--	0.44	0.60	--	--	--	0	0	--
A									
11/9/1995	--	0.42	1.00	--	--	--	0	4.0	--

Note: *Blaine Tech Services, Inc. began routine monitoring* of the groundwater wells at this site on December 30, 1998.
Earlier field data and analytical results were provided by Gettler-Ryan.
Elevations surveyed on 09/26/93 by Field Designs relative to City of Oakland Benchmark #3457 and corrected to Mean Sea Level (msl).
(Benchmark datum is 2.998 feet off of msl.)
Site surveyed by Virgil Chavez Land Surveying on 07/03/97. Top of casing elevation measured using the top of curb on the northerly side of 23rd Avenue, using the northeasterly top of rail (of railroad tracks running through site) as reference line. (Benchmark Elevation = 17.91 feet, msl).

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl t-Butyl Ether
ORP = Oxidation Reduction Potential
DO = Dissolved Oxygen
mV = Millivolts
OR = Over-range of instrument

TABLE OF ADDITIONAL ANALYSES

Analytical results are in parts per billion (ppm)

DATE	TBA	MTBE	DIPE	Notes	ETBE	TAME	1,2-DCA	EDB	Ethanol
MW-1									
3/7/2000	<20.0	1.16	<1.00		<1.00	<1.00	<0.500	<0.500	<100
7/11/2000	<100	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0
MW-5									
3/7/2000	<20.0	43.8	<1.00		<1.00	<1.00	<0.500	<0.500	<100
7/11/2000	<100	22	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0
MW-7									
3/7/2000	<20.0	<0.500	<1.00		<1.00	<1.00	<0.500	<0.500	<100
7/11/2000	<100	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0
MW-8									
3/7/2000	<20.0	<0.500	<1.00		<1.00	<1.00	<0.500	<0.500	<100
7/11/2000	<100	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0
MW-9									
3/7/2000	<20.0	<0.500	<1.00		<1.00	<1.00	<0.500	<0.500	<100
7/11/2000	<100	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0
MW-10									
3/7/2000	<20.0	<0.500	<1.00		<1.00	<1.00	<0.500	<0.500	<100
7/11/2000	<100	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0
MW-11									
3/7/2000	<20.0	<0.500	<1.00		<1.00	<1.00	<0.500	<0.500	<100
7/11/2000	<100	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0
MW-14									
3/7/2000	<20.0	<0.500	<1.00		<1.00	<1.00	<0.500	<0.500	<100
7/11/2000	<100	<2.0	<2.0		<2.0	<2.0	<2.0	<2.0	<2.0

ABBREVIATIONS:
TBA = tert-butyl alcohol
MTBE = methyl t-butyl ether
DIPE = di-diopropyl ether
ETBE = ethyl tert-butyl ether
TAME = tert-amyl methyl ether
1,2-DCA = 1,2-dichloroethane
EDB = ethylene dibromide
ppb = parts per billion

FIRST QUARTER 2000

Field Data Sheets

Laboratory Reports and Chain-of-Custody Docuaments

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # RMC Lonestar #206142 Job#: 346338.0002

Address: 333 23rd Avenue Date: 3-7-00

City: Oakland, CA Sampler: clyde + Joe

Well ID MW-1 Well Condition: O.K.

Well Diameter 2/(4) in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 19.00 ft.

Depth to Water 7.13 ft.

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

11.87 X VF 0.66 = 7.83 X 3 (case volume) = Estimated Purge Volume: 23.5 (gal.)

Purge Equipment: Disposable Bailer; Bailer; Stack; Suction; Grundfos; Other: 20.12

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

Starting Time: 20:00 Weather Conditions: Rainy

Sampling Time: 20:40 (8:40 p.m.) Water Color: Gray Odor: ~~Some~~ yes

Purging Flow Rate: ____ gpm. Sediment Description: ~~Moderate~~ Silt/Sand

Did well de-water? ____ If yes; Time: ____ Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X 50	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
20:14 20:07	8	15.78	~~2050~~	54.0			
20:18 ~~20:08~~	16	15.79	1860	55.9			
20:23 20:09	23.5	15.82	1940	9.3	4.04	67	
		Equipment Failure due to rain. SF Gates 3/17					

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 x 40m/VOA	Y	HCL	SEQUOIA	TPH-Gas/BTEX/MTBE
	2 x Liter	Y	NONE	SEQUOIA	TPH-Diesel w/silicagel
				SEQUOIA	ferrous iron/nitrate/sulfate/Alkalinity
			HCL	SEQUOIA	5 OXYs (6) 1,2 DCA/EDB

COMMENTS: Very slow

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # RMC Lonestar #206142 Job#: 346338.[redacted]02

Address: 333 23rd Avenue Date: 3-7-00

City: Oakland, CA Sampler: Clyde + Joe

Well ID MW-5 Well Condition: O.K

Well Diameter 2 (4) in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 19.80 ft.

Depth to Water 8.09 ft.

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

11.71 X VF 0.66 = 7.72 X 3 (case volume) = Estimated Purge Volume: 23.5 (gal.)

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

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

Starting Time: 18:52 Weather Conditions: Rainy

Sampling Time: 19:05 (7:05 p.m.) Water Color: clear Odor: none

Purging Flow Rate: gpm. Sediment Description: none

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity (x 100) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
18:53	8	7.70	5720	61.9			
18:55	16	8.28	6180	63.0			
18:57	23.5	8.72	6650	63.5	3.42	193	

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 x 40m/VOA	Y	HCL	SEQUOIA	TPH-Gas/BTEX/MTBE
	2 x Liter	Y	NONE	SEQUOIA	TPH-Diesel w/silicagel
				SEQUOIA	ferrous iron/nitrate/sulfate/Alkalinity
			HCL	SEQUOIA	5 OXYs & 1,2 DCA/EDB

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # RMC Lonestar #206142 Job#: 346338.[redacted]02

Address: 333 23rd Avenue Date: 3-7-00

City: Oakland, CA Sampler: Clyde + Joe

Well ID MW-7 Well Condition: O.K.

Well Diameter 2 (4) in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 18.80 ft.

Depth to Water 7.37 ft.

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

11.43 X VF 0.66 = 7.54 X 3 (case volume) = Estimated Purge Volume: 23 (gal.)

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

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

Starting Time: 19:11 Weather Conditions: Rainy

Sampling Time: 19:30 (7:30 pm) Water Color: clear Odor: none

Purging Flow Rate: _____ gpm. Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
19:15	8	15.86	1850	59.7			
19:17	16	15.86	1890	58.9			
19:19	23	15.87	1870	60.8	6.61	144	

equipment failure due to rain. 3/17

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 x 40m/VOA	Y	HCL	SEQUOIA	TPH-Gas/BTEX/MTBE
	2 x Liter	Y	NONE	SEQUOIA	TPH-Diesel w/silicagel
				SEQUOIA	ferrous iron/nitrate/sulfate/Alkalinity
			HCL	SEQUOIA	5 OXYS (5) 1,2 DCA/EDB

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # RMC Lonestar #206142 Job#: 6338.80

Address: 333 23rd Avenue Date: 3-7-00

City: Oakland, CA Sampler: Clyde & Joe

Well ID MW-8 Well Condition: O.K

Well Diameter 2 (4) in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 15.70 ft.

Depth to Water 7.71 ft.

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

7.99 X VF 0.66 = 5.27 X 3 (case volume) = Estimated Purge Volume: 16 (gal.)

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

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

Starting Time: 19:35

Sampling Time: 19:50 (7:50 p.m.)

Purging Flow Rate: ____ gpm

Did well de-water? ____

Weather Conditions: Rainy

Water Color: clear Odor: ~~Mildly~~ yes

Sediment Description: none

If yes; Time: ____ Volume: ____ (gal.)

Time	Volume (gal.)	pH	Conductivity (X 10) µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
19:36	5	1583	3280	56.8			
19:37	11	1583	3210	55.1			
19:39	16	1583	3180	56.5	528	162	
		equipment failure					
		due to rain. Sample					
		13/17					

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 x 40m/VOA	Y	HCL	SEQUOIA	TPH-Gas/BTEX/MTBE
	2 x Liter	Y	NONE	SEQUOIA	TPH-Diesel w/silicagel
				SEQUOIA	ferrous iron/nitrate/sulfate/Alkalinity
			HCL	SEQUOIA	5 OXYS & 1,2 DCA/EDB

COMMENTS: Slow Recovery

9/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # RMC Lonestar #206142 Job#: 346338.[illegible]02

Address: 333 23rd Avenue Date: 3-7-00

City: Oakland, CA Sampler: Clyde & Joe

Well ID MW-9 Well Condition: O.K.

Well Diameter 2/4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 19.70 ft.

Depth to Water 7.30 ft.

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

12.4 X VF 0.66 = 8.18 X 3 (case volume) = Estimated Purge Volume: 25 (gal.)

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

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

Starting Time: 6:32 Weather Conditions: Rainy

Sampling Time: 18:45 (6:45 p.m.) Water Color: clear Odor: none

Purging Flow Rate: _____ gpm. Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
6:34	8	6.22	1880	58.8			
6:36	17	6.07	2260	58.5			
6:38	25	6.13	2100	58.4	5.34	144	

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 x 40m/VOA	Y	HCL	SEQUOIA	TPH-Gas/BTEX/MTBE
	2 x Liter	Y	NONE	SEQUOIA	TPH-Diesel w/silicagel
				SEQUOIA	ferrous iron/nitrate/sulfate/Alkalinity
			HCL	SEQUOIA	5 OXYS 6J 42 OCA/EDB

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # RMC Lonestar #206142 Job#: 346338.[redacted]02

Address: 333 23rd Avenue Date: 3-7-00

City: Oakland, CA Sampler: Joe & Clyde

Well ID MW-10 Well Condition: O.K.

Well Diameter 2/(4) in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 18.50 ft.

Depth to Water 8.07 ft.

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

10.43 X VF 0.66 = 6.89 X 3 (case volume) = Estimated Purge Volume: 21 (gal.)

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

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

Starting Time: 5:58 Weather Conditions: Rainy

Sampling Time: 6:15 P.M Water Color: clear Odor: none

Purging Flow Rate: _____ gpm. Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm X/N	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
6:00	7	9.35	713	55.1			
6:02	14	~~7.10~~	2370	58.8			
6:04	21	6.65	2960	58.5	5.16	192	

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 x 40m/VOA	Y	HCL	SEQUOIA	TPH-Gas/BTEX/MTBE
	2 x Liter	Y	NONE	SEQUOIA	TPH-Diesel w/silicagel
6:15				SEQUOIA	ferrous iron/nitrate/sulfate/Alkalinity
			HCL	SEQUOIA	5 OXYS & 1,2 DCA/EDB

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # RMC Lonestar #206142 Job#: 346338.[redacted]02

Address: 333 23rd Avenue Date: 3-7-00

City: Oakland, CA Sampler: Clyde & Joe

Well ID MW-11 Well Condition: O.K.

Well Diameter (2)/4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 20.5 ft.

Depth to Water 7.40 ft.

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

13.10 X VF 0.17 = 2.22 X 3 (case volume) = Estimated Purge Volume: 7 (gal.)

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

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

Starting Time: 17:34 Weather Conditions: Rainy

Sampling Time: 17:45 (5:45 p.m.) Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
17:35	2.5	9.04	2500	52.3			
17:36	5	8.67	3070	53.3			
17:37	7	8.24	3440	53.7	5.44	213	

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	3 x 40m/VOA	Y	HCL	SEQUOIA	TPH-Gas/BTEX/MTBE
	2 x Liter	Y	NONE	SEQUOIA	TPH-Diesel w/silicagel
17:45				SEQUOIA	ferrous iron/nitrate/sulfate/Alkalinity
			HCL	SEQUOIA	5 OXYs @ 1/2 DCA/EDB

COMMENTS: _____

9/97-fieldat.fm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Chevron Facility # RMC Lonestar #206142 Job#: 346338.[redacted]02

Address: 333 23rd Avenue Date: 3-7-00

City: Oakland, CA Sampler: Clyde Joe

Well ID MW-14 Well Condition: O.K.

Well Diameter (2)/4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 20.00 ft.

Depth to Water 6.47 ft.

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

13.53 X VF 0.17 = 2.30 X 3 (case volume) = Estimated Purge Volume: 7 (gal.)

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

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

Starting Time: 5:02

Sampling Time: 17:20 (5:20 p.m.)

Purging Flow Rate: 72.0 l/ppm

Did well de-water? No

Weather Conditions: Rainy

Water Color: clear Odor: none

Sediment Description: none

If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
5:03	2.5	10.68	~~1110~~	50.6			
5:04	5	10.30	1100	52.2			
5:05	7	9.90	1260	53.6	5.95	199	

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	3 x 40m/VOA	Y	HCL	SEQUOIA	TPH-Gas/BTEX/MTBE
17:20	2 x Liter	Y	NONE	SEQUOIA	TPH-Diesel w/silicagel
				SEQUOIA	ferrous iron/nitrate/sulfate/Alkalinity
			HCL	SEQUOIA	5 OXYs & 1,2 DCA/EDB

COMMENTS: _____

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Fax copy of Lab Report and COC to Chevron Contact: ☐ No

Chain-of-Custody-Record

CHEVRON

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: Lonestar Facility CPS #206142
Facility Address: 333 - 23rd Avenue, Oakland, CA
Consultant Project Number: ~~6938.05~~ 346338.02
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): ~~Deanna Harding~~ Steve Carter
(Phone) 551-7555 (Fax Number) 551-7888

Chevron Contact (Name): Mr. Robert Cochran
(Phone) ~~(510)~~ 925 842-9655
Laboratory Name: Sequoia
Laboratory: Service Order
Samples Collected by (Name): JOE ATEMIAN
Collection Date: 3-7-00
Signature: Joe Louis

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8020)	TPH Diesel (8015) w/ Silica Gel Clean up	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Nitrate & Sulfate	Alkalinity Ferrous Iron	5 Oxys w, 1,2 DCA & EDB by 8260			DO NOT BILL TB-LB ANALYSIS / Remarks
TB-LB		2oA	W	G	-	HCL	Y	X		200319401			1								
mw-1		5 VOA 1 AMB 1 pt.	/	/	8:40	/	/	X	X				2			X	X	X			* Ferrous Iron was not field filtered (needs to be filtered)
mw-5		//	/	/	7:05	/	/	X	X				3			X	X	X			
mw-7		//	/	/	7:30	/	/	X	X				4			Y	Y	X			
mw-8		//	/	/	7:50	/	/	X	X				5			✓	X	X			
mw-9		//	/	/	6:45	/	/	X	X				6			X	X	X			
mw-10		//	/	/	6:15 p.m	/	/	X	X				7			X	X	X			
mw-11		//	/	/	5:45 p.m	/	/	X	X				8			X	X	X			
mw-14		//	/	/	5:20	/	/	X	X				9			X	X	X			

COOLER CUSTODY SEALS INTACT ☐ NOT INTACT
COOLER TEMPERATURE 6 °C

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Joe Louis	G-R Inc.	3-8-00 8:00 a.m.	Noelle Cano	~~G-R Inc.~~ SEQ	3/8/00 0800
Noelle Cano	SEQ	3/8/00	Michael Ramos	Seq.	3/8 15:00
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
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www.sequoialabs.com

March 22, 2000

Steve Carter
Gettler - Ryan Inc.
7100 Redwood Blvd. Suite 104
Novato, CA 94945

RE: Chevron/P003194

Dear Steve Carter

Enclosed are the results of analyses for sample(s) received by the laboratory on March 8, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marvin Heskett
Project Manager

CA ELAP Certificate Number 2374

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Gettler - Ryan Inc.	Project:	Chevron	Sampled:	3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received:	3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported:	3/22/00

ANALYTICAL REPORT FOR P003194

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
Trip Blank	P003194-01	Water	3/7/00
MW-1	P003194-02	Water	3/7/00
MW-5	P003194-03	Water	3/7/00
MW-7	P003194-04	Water	3/7/00
MW-8	P003194-05	Water	3/7/00
MW-9	P003194-06	Water	3/7/00
MW-10	P003194-07	Water	3/7/00
MW-11	P003194-08	Water	3/7/00
MW-14	P003194-09	Water	3/7/00

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Trip Blank			P003194-01				Water	
Gasoline	0030267	3/11/00	3/11/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*103*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*94.0*	"	
MW-1			P003194-02				Water	
Gasoline	0030267	3/11/00	3/11/00		50.0	**772**	ug/l	1
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*107*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*93.7*	"	
MW-5			P003194-03				Water	
Gasoline	0030267	3/11/00	3/11/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	**35.2**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*106*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*96.3*	"	
MW-7			P003194-04				Water	
Gasoline	0030267	3/11/00	3/11/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*104*	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*96.0*	"	
MW-8			P003194-05				Water	
Gasoline	0030267	3/11/00	3/11/00		50.0	**682**	ug/l	1

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-8 (continued)			**P003194-05**				**Water**	
Benzene	0030267	3/11/00	3/11/00		0.500	ND	ug/l	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*106*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*95.7*	"	
MW-9			**P003194-06**				**Water**	
Gasoline	0030267	3/11/00	3/11/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*103*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*99.3*	"	
MW-10			**P003194-07**				**Water**	
Gasoline	0030267	3/11/00	3/11/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*102*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*93.3*	"	
MW-11			**P003194-08**				**Water**	
Gasoline	0030267	3/11/00	3/11/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*103*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*98.7*	"	
MW-14			**P003194-09**				**Water**	
Gasoline	0030267	3/11/00	3/11/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-14 (continued)			**P003194-09**				**Water**	
Toluene	0030267	3/11/00	3/11/00		0.500	ND	ug/l	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*107*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*97.0*	"	

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M w/ S.G. Clean-up
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**P003194-02**				**Water**	
Diesel (C10-C24)	0030469	3/20/00	3/21/00		500	**74000**	ug/l	2
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*129*	%	
MW-5			**P003194-03**				**Water**	
Diesel (C10-C24)	0030469	3/20/00	3/21/00		50.0	ND	ug/l	
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*100*	%	
MW-7			**P003194-04**				**Water**	
Diesel (C10-C24)	0030469	3/20/00	3/21/00		50.0	**253**	ug/l	3
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*67.0*	%	
MW-8			**P003194-05**				**Water**	
Diesel (C10-C24)	0030469	3/20/00	3/21/00		250	**41800**	ug/l	2
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*105*	%	
MW-9			**P003194-06**				**Water**	
Diesel (C10-C24)	0030469	3/20/00	3/21/00		50.0	**453**	ug/l	3
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*72.2*	%	
MW-10			**P003194-07**				**Water**	
Diesel (C10-C24)	0030469	3/20/00	3/21/00		50.0	ND	ug/l	
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*111*	%	
MW-11			**P003194-08**				**Water**	
Diesel (C10-C24)	0030469	3/20/00	3/21/00		50.0	**307**	ug/l	3
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*69.6*	%	
MW-14			**P003194-09**				**Water**	
Diesel (C10-C24)	0030469	3/20/00	3/21/00		50.0	**254**	ug/l	3
Surrogate: o-Terphenyl	"	"	"	*50.0-150*		*73.3*	%	

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**P003194-02**				**Water**	
Tert-amyl methyl ether	0030385	3/15/00	3/15/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	**1.16**	"	
Surrogate: Dibromofluoromethane	"	"	"	*86.0-118*		*91.8*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*80.0-120*		*84.2*	"	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*96.0*	"	
MW-5			**P003194-03**				**Water**	
Tert-amyl methyl ether	0030436	3/17/00	3/17/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	**43.8**	"	
Surrogate: Dibromofluoromethane	"	"	"	*86.0-118*		*106*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*80.0-120*		*104*	"	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*100*	"	
MW-7			**P003194-04**				**Water**	
Tert-amyl methyl ether	0030436	3/17/00	3/17/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*86.0-118*		*104*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*80.0-120*		*101*	"	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*98.0*	"	
MW-8			**P003194-05**				**Water**	
Tert-amyl methyl ether	0030436	3/17/00	3/17/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-8 (continued)			**P003194-05**				**Water**	
Di-isopropyl ether	0030436	3/17/00	3/17/00		1.00	ND	ug/l	
1,2-Dibromoethane (EDB)	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*86.0-118*		*97.2*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*80.0-120*		*97.6*	"	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*98.8*	"	
MW-9			**P003194-06**				**Water**	
Tert-amyl methyl ether	0030436	3/17/00	3/17/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*86.0-118*		*99.8*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*80.0-120*		*101*	"	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*104*	"	
MW-10			**P003194-07**				**Water**	
Tert-amyl methyl ether	0030436	3/17/00	3/17/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*86.0-118*		*100*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*80.0-120*		*102*	"	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*101*	"	
MW-11			**P003194-08**				**Water**	
Tert-amyl methyl ether	0030436	3/17/00	3/17/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.500	ND	"	

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7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Volatile Organic Compounds by EPA Method 8260B
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-11 (continued)			**P003194-08**				**Water**	
1,2-Dichloroethane	0030436	3/17/00	3/17/00		0.500	ND	ug/l	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*86.0-118*		*104*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*80.0-120*		*104*	"	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*103*	"	
MW-14			**P003194-09**				**Water**	
Tert-amyl methyl ether	0030436	3/17/00	3/17/00		1.00	ND	ug/l	
Tert-butyl alcohol	"	"	"		20.0	ND	"	
Di-isopropyl ether	"	"	"		1.00	ND	"	
1,2-Dibromoethane (EDB)	"	"	"		0.500	ND	"	
1,2-Dichloroethane	"	"	"		0.500	ND	"	
Ethanol	"	"	"		100	ND	"	
Ethyl tert-butyl ether	"	"	"		1.00	ND	"	
Methyl tert-butyl ether	"	"	"		0.500	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*86.0-118*		*96.6*	%	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*80.0-120*		*98.4*	"	
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*97.8*	"	

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7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			**P003194-02**				**Water**	
Total Alkalinity	0030280	3/10/00	3/10/00	EPA 310.1	20000	**661000**	ug/l	
Carbonate Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Bicarbonate Alkalinity	"	"	"	EPA 310.1	20000	**661000**	"	
Hydroxide Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Ferrous Iron	0030245	3/9/00	3/8/00	SM 3500 Fe D#4	100	**735**	"	
MW-5			**P003194-03**				**Water**	
Total Alkalinity	0030280	3/10/00	3/10/00	EPA 310.1	20000	**325000**	ug/l	
Carbonate Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Bicarbonate Alkalinity	"	"	"	EPA 310.1	20000	**325000**	"	
Hydroxide Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Ferrous Iron	0030245	3/9/00	3/8/00	SM 3500 Fe D#4	100	ND	"	
MW-7			**P003194-04**				**Water**	
Total Alkalinity	0030280	3/10/00	3/10/00	EPA 310.1	20000	**490000**	ug/l	
Carbonate Alkalinity	"	"	"	EPA 310.1	20000	**30400**	"	
Bicarbonate Alkalinity	"	"	"	EPA 310.1	20000	**460000**	"	
Hydroxide Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Ferrous Iron	0030245	3/9/00	3/8/00	SM 3500 Fe D#4	100	**143**	"	
MW-8			**P003194-05**				**Water**	
Total Alkalinity	0030280	3/10/00	3/10/00	EPA 310.1	20000	**664000**	ug/l	
Carbonate Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Bicarbonate Alkalinity	"	"	"	EPA 310.1	20000	**664000**	"	
Hydroxide Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Ferrous Iron	0030245	3/9/00	3/8/00	SM 3500 Fe D#4	100	**712**	"	
MW-9			**P003194-06**				**Water**	
Total Alkalinity	0030280	3/10/00	3/10/00	EPA 310.1	20000	**562000**	ug/l	
Carbonate Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Bicarbonate Alkalinity	"	"	"	EPA 310.1	20000	**562000**	"	
Hydroxide Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Ferrous Iron	0030245	3/9/00	3/8/00	SM 3500 Fe D#4	100	**103**	"	
MW-10			**P003194-07**				**Water**	
Total Alkalinity	0030280	3/10/00	3/10/00	EPA 310.1	20000	**389000**	ug/l	
Carbonate Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Bicarbonate Alkalinity	"	"	"	EPA 310.1	20000	**389000**	"	
Hydroxide Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Ferrous Iron	0030245	3/9/00	3/8/00	SM 3500 Fe D#4	100	**135**	"	

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-11			**P003194-08**				**Water**	
Total Alkalinity	0030280	3/10/00	3/10/00	EPA 310.1	20000	**334000**	ug/l	
Carbonate Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Bicarbonate Alkalinity	"	"	"	EPA 310.1	20000	**334000**	"	
Hydroxide Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Ferrous Iron	0030245	3/9/00	3/8/00	SM 3500 Fe D#4	100	**759**	"	
MW-14			**P003194-09**				**Water**	
Total Alkalinity	0030280	3/10/00	3/10/00	EPA 310.1	20000	**172000**	ug/l	
Carbonate Alkalinity	"	"	"	EPA 310.1	20000	**33600**	"	
Bicarbonate Alkalinity	"	"	"	EPA 310.1	20000	**138000**	"	
Hydroxide Alkalinity	"	"	"	EPA 310.1	20000	ND	"	
Ferrous Iron	0030245	3/9/00	3/8/00	SM 3500 Fe D#4	100	**127**	"	

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7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Anions by EPA Method 300.0
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			**P003194-02**				**Water**	
Nitrate as N	0030209	3/9/00	3/9/00	EPA 300.0	200	ND	ug/l	
Sulfate as SO4	"	"	"	EPA 300.0	1000	**7630**	"	
MW-5			**P003194-03**				**Water**	
Nitrate as N	0030209	3/9/00	3/9/00	EPA 300.0	4000	**7380**	ug/l	
Sulfate as SO4	"	"	"	EPA 300.0	20000	**263000**	"	
MW-7			**P003194-04**				**Water**	
Nitrate as N	0030209	3/9/00	3/9/00	EPA 300.0	4000	**20700**	ug/l	
Sulfate as SO4	"	"	"	EPA 300.0	20000	**63400**	"	
MW-8			**P003194-05**				**Water**	
Nitrate as N	0030209	3/9/00	3/9/00	EPA 300.0	400	ND	ug/l	
Sulfate as SO4	"	"	"	EPA 300.0	2000	**3920**	"	
MW-9			**P003194-06**				**Water**	
Nitrate as N	0030209	3/9/00	3/9/00	EPA 300.0	400	ND	ug/l	
Sulfate as SO4	"	"	"	EPA 300.0	2000	**3320**	"	
MW-10			**P003194-07**				**Water**	
Nitrate as N	0030209	3/9/00	3/9/00	EPA 300.0	2000	**2150**	ug/l	
Sulfate as SO4	"	"	"	EPA 300.0	10000	**90000**	"	
MW-11			**P003194-08**				**Water**	
Nitrate as N	0030209	3/9/00	3/9/00	EPA 300.0	5000	**67800**	ug/l	
Sulfate as SO4	"	"	"	EPA 300.0	25000	**167000**	"	
MW-14			**P003194-09**				**Water**	
Nitrate as N	0030209	3/9/00	3/9/00	EPA 300.0	2000	**3180**	ug/l	
Sulfate as SO4	"	"	"	EPA 300.0	10000	**40200**	"	

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0030267	**Date Prepared: 3/11/00**					**Extraction Method: EPA 5030 waters**				
Blank	**0030267-BLK1**									
Gasoline	3/11/00			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*316*	"	*65.0-135*	*105*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*294*	"	*65.0-135*	*98.0*			
Blank	**0030267-BLK2**									
Gasoline	3/14/00			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*302*	"	*65.0-135*	*101*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*287*	"	*65.0-135*	*95.7*			
LCS	**0030267-BS1**									
Gasoline	3/11/00	1000		1030	ug/l	65.0-135	103			
Surrogate: 4-Bromofluorobenzene	"	*300*		*313*	"	*65.0-135*	*104*			
LCS	**0030267-BS2**									
Benzene	3/14/00	100		98.1	ug/l	65.0-135	98.1			
Toluene	"	100		99.3	"	65.0-135	99.3			
Ethylbenzene	"	100		94.1	"	65.0-135	94.1			
Xylenes (total)	"	300		292	"	65.0-135	97.3			
Surrogate: a,a,a-Trifluorotoluene	"	*300*		*299*	"	*65.0-135*	*99.7*			
Matrix Spike	**0030267-MS1**		**P003202-01**							
Gasoline	3/11/00	10000	14000	23700	ug/l	65.0-135	**97.0**			
Surrogate: 4-Bromofluorobenzene	"	*300*		*304*	"	*65.0-135*	*101*			
Matrix Spike Dup	**0030267-MSD1**		**P003202-01**							
Gasoline	3/11/00	10000	14000	23500	ug/l	65.0-135	**95.0**	20.0	**2.08**	
Surrogate: 4-Bromofluorobenzene	"	*300*		*308*	"	*65.0-135*	*103*			

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7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Total Petroleum Hydrocarbons as Diesel & others by EPA 8015M w/ S.G. Clean-up/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0030469	**Date Prepared: 3/20/00**					**Extraction Method: EPA 3510B**				
Blank	**0030469-BLK1**									
Diesel (C10-C24)	3/21/00			**ND**	ug/l	**50.0**				
Surrogate: o-Terphenyl	"	*100*		*97.3*	"	*50.0-150*	*97.3*			
LCS	**0030469-BS1**									
Diesel (C10-C24)	3/21/00	1000		962	ug/l	50.0-150	96.2			
Surrogate: o-Terphenyl	"	*100*		*83.4*	"	*50.0-150*	*83.4*			
LCS Dup	**0030469-BSD1**									
Diesel (C10-C24)	3/21/00	1000		943	ug/l	*50.0-150*	*94.3*	*20.0*	*1.99*	
Surrogate: o-Terphenyl	"	*100*		*83.2*	"	*50.0-150*	*83.2*			

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0030385	**Date Prepared: 3/15/00**					**Extraction Method: EPA 5030 waters**				
Blank	**0030385-BLK1**									
Tert-amyl methyl ether	3/15/00			**ND**	ug/l	**1.00**				
Tert-butyl alcohol	"			**ND**	"	**20.0**				
Di-isopropyl ether	"			**ND**	"	**1.00**				
1,2-Dibromoethane (EDB)	"			**ND**	"	**0.500**				
1,2-Dichloroethane	"			**ND**	"	**0.500**				
Ethanol	"			**ND**	"	**100**				
Ethyl tert-butyl ether	"			**ND**	"	**1.00**				
Methyl tert-butyl ether	"			**ND**	"	**0.500**				
Surrogate: Dibromofluoromethane	"	*5.00*		*4.98*	"	*86.0-118*	*99.6*			
Surrogate: 1,2-Dichloroethane-d4	"	*5.00*		*4.67*	"	*80.0-120*	*93.4*			
Surrogate: Toluene-d8	"	*5.00*		*5.01*	"	*88.0-110*	*100*			
LCS	**0030385-BS1**									
Methyl tert-butyl ether	3/15/00	5.00		5.18	ug/l	72.7-119	104			
Surrogate: Dibromofluoromethane	"	*5.00*		*5.26*	"	*86.0-118*	*105*			
Surrogate: 1,2-Dichloroethane-d4	"	*5.00*		*5.00*	"	*80.0-120*	*100*			
Surrogate: Toluene-d8	"	*5.00*		*5.30*	"	*88.0-110*	*106*			
Matrix Spike	**0030385-MS1**		**P003194-02**							
Methyl tert-butyl ether	3/15/00	5.00	1.16	5.96	ug/l	72.7-119	**96.0**			
Surrogate: Dibromofluoromethane	"	*5.00*		*4.73*	"	*86.0-118*	*94.6*			
Surrogate: 1,2-Dichloroethane-d4	"	*5.00*		*4.49*	"	*80.0-120*	*89.8*			
Surrogate: Toluene-d8	"	*5.00*		*4.95*	"	*88.0-110*	*99.0*			
Matrix Spike Dup	**0030385-MSD1**		**P003194-02**							
Methyl tert-butyl ether	3/15/00	5.00	1.16	5.96	ug/l	72.7-119	**96.0**	20.0	**0**	
Surrogate: Dibromofluoromethane	"	*5.00*		*4.65*	"	*86.0-118*	*93.0*			
Surrogate: 1,2-Dichloroethane-d4	"	*5.00*		*4.48*	"	*80.0-120*	*89.6*			
Surrogate: Toluene-d8	"	*5.00*		*5.03*	"	*88.0-110*	*101*			
Batch: 0030436	**Date Prepared: 3/17/00**					**Extraction Method: EPA 5030 waters**				
Blank	**0030436-BLK1**									
Tert-amyl methyl ether	3/17/00			**ND**	ug/l	**1.00**				
Tert-butyl alcohol	"			**ND**	"	**20.0**				
Di-isopropyl ether	"			**ND**	"	**1.00**				
1,2-Dibromoethane (EDB)	"			**ND**	"	**0.500**				
1,2-Dichloroethane	"			**ND**	"	**0.500**				
Ethanol	"			**ND**	"	**100**				
Ethyl tert-butyl ether	"			**ND**	"	**1.00**				
Methyl tert-butyl ether	"			**ND**	"	**0.500**				

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**0030436-BLK1**									
Surrogate: Dibromofluoromethane	*3/17/00*	*5.00*		*5.03*	*ug/l*	*86.0-118*	*101*			
Surrogate: 1,2-Dichloroethane-d4	"	*5.00*		*4.92*	"	*80.0-120*	*98.4*			
Surrogate: Toluene-d8	"	*5.00*		*4.99*	"	*88.0-110*	*99.8*			
LCS	**0030436-BS1**									
Methyl tert-butyl ether	3/17/00	5.00		5.25	ug/l	72.7-119	105			
Surrogate: Dibromofluoromethane	"	*5.00*		*5.64*	"	*86.0-118*	*113*			
Surrogate: 1,2-Dichloroethane-d4	"	*5.00*		*5.48*	"	*80.0-120*	*110*			
Surrogate: Toluene-d8	"	*5.00*		*5.40*	"	*88.0-110*	*108*			
Matrix Spike	**0030436-MS1**		**P003335-01**							
Methyl tert-butyl ether	3/17/00	5.00	ND	5.24	ug/l	72.7-119	**105**			
Surrogate: Dibromofluoromethane	"	*5.00*		*5.33*	"	*86.0-118*	*107*			
Surrogate: 1,2-Dichloroethane-d4	"	*5.00*		*5.17*	"	*80.0-120*	*103*			
Surrogate: Toluene-d8	"	*5.00*		*5.00*	"	*88.0-110*	*100*			
Matrix Spike Dup	**0030436-MSD1**		**P003335-01**							
Methyl tert-butyl ether	3/17/00	5.00	ND	5.15	ug/l	72.7-119	**103**	20.0	**1.92**	
Surrogate: Dibromofluoromethane	"	*5.00*		*5.36*	"	*86.0-118*	*107*			
Surrogate: 1,2-Dichloroethane-d4	"	*5.00*		*5.13*	"	*80.0-120*	*103*			
Surrogate: Toluene-d8	"	*5.00*		*4.99*	"	*88.0-110*	*99.8*			

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Conventional Chemistry Parameters by APHA/EPA Methods/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0030245	**Date Prepared: 3/9/00**				**Extraction Method: General Preparation**					
Blank	**0030245-BLK1**									
Ferrous Iron	3/8/00			**ND**	ug/l	**100**				
LCS	**0030245-BS1**									
Ferrous Iron	3/8/00	2000		2360	ug/l	80.0-120	118			
Matrix Spike	**0030245-MS1**		**P003194-03**							
Ferrous Iron	3/8/00	2000	ND	2350	ug/l	75.0-125	**118**			
Matrix Spike Dup	**0030245-MSD1**		**P003194-03**							
Ferrous Iron	3/8/00	2000	ND	2370	ug/l	75.0-125	**119**	20.0	**0.844**	
Batch: 0030280	**Date Prepared: 3/10/00**				**Extraction Method: General Preparation**					
Blank	**0030280-BLK1**									
Total Alkalinity	3/10/00			**ND**	ug/l	**20000**				
LCS	**0030280-BS1**									
Total Alkalinity	3/10/00	250000		228000	ug/l	80.0-120	91.2			
Duplicate	**0030280-DUP1**		**P003203-01**							
Total Alkalinity	3/10/00		195000	202000	ug/l			20.0	**3.53**	

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Gettler - Ryan Inc.	Project:	Chevron	Sampled: 3/7/00
7100 Redwood Blvd. Suite 104	Project Number:	333-23rd Ave,Oakland	Received: 3/8/00
Novato, CA 94945	Project Manager:	Steve Carter	Reported: 3/22/00

Anions by EPA Method 300.0/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0030209	**Date Prepared: 3/9/00**					**Extraction Method: General Preparation**				
Blank	**0030209-BLK1**									
Nitrate as N	3/9/00			**ND**	ug/l	**200**				
Sulfate as SO4	"			**ND**	"	**1000**				
LCS	**0030209-BS1**									
Nitrate as N	3/9/00	10000		10600	ug/l	80.0-120	106			
Sulfate as SO4	"	10000		9950	"	80.0-120	99.5			
Matrix Spike	**0030209-MS1**		**P003194-09**							
Nitrate as N	3/9/00	50000	3180	52100	ug/l	75.0-125	**97.8**			
Sulfate as SO4	"	50000	40200	90300	"	75.0-125	**100**			
Matrix Spike Dup	**0030209-MSD1**		**P003194-09**							
Nitrate as N	3/9/00	50000	3180	52700	ug/l	75.0-125	**99.0**	20.0	**1.22**	
Sulfate as SO4	"	50000	40200	90800	"	75.0-125	**101**	20.0	**0.995**	

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Gettler - Ryan Inc.		Project:	Chevron	Sampled:	3/7/00
7100 Redwood Blvd. Suite 104		Project Number:	333-23rd Ave,Oakland	Received:	3/8/00
Novato, CA 94945		Project Manager:	Steve Carter	Reported:	3/22/00

Notes and Definitions

#	Note
1	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier fuel.
2	Hydrocarbon pattern in sample appears to be weathered.
3	Hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

THIRD QUARTER 2000

Field Data Sheets

Laboratory Reports and Chain-of-Custody Documents

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # RMC Lonestar #206142 Job#: 346338.02

Address: 333 23rd Ave. Date: 7-11-00

City: Oakland, CA. Sampler: Joe

Well ID: MW-1 Well Condition: O.K.

Well Diameter: 4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth: 19.00 ft.

Depth to Water: 8.17 ft.

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

10.83 x VF 0.66 = 7.15 x 3 (case volume) = Estimated Purge Volume: 21.5 (gal.)

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

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

Starting Time: 9:15 Weather Conditions: clear

Sampling Time: 9:40 P.M Water Color: clear Odor: yes

Purging Flow Rate: 2 gpm. Sediment Description: Some silt

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm x 100	Temperature F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
9:22	7	8.25	12.58	68.8	3.93	84	
9:25	14	8.02	12.55	69.5			
9:27	21.5	7.95	12.59	69.6			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-1	3 VOA	Y	HCL	Sequoia	TPHG-BTEX-MTBE
	2 VOA	"	"	"	(5) Oxys 1,2 DCA/EDB
	1 Amb	"	—	"	TPH-D w/ silica gel
	1 pl.	"	—	"	Ferrous Iron, nitrate, sulfate, alkalinity.

COMMENTS: Well Recs slow recovery

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # RMC Lonestar #206142 Job#: 346338.02

Address: 333 23rd Ave. Date: 7-11-00

City: Oakland, CA. Sampler: Joe

Well ID: MW-5 Well Condition: O.K.

Well Diameter: 4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth: 19.80 ft.

Depth to Water: 9.09 ft.

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

10.71 x VF 0.66 = 7.07 X 3 (case volume) = Estimated Purge Volume: 21.5 (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- Stack
- Suction
- Grundfos
- Other: _____

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

Starting Time: 7:15 Weather Conditions: clear

Sampling Time: 7:45 p.m Water Color: clear Odor: none

Purging Flow Rate: 2 gpm Sediment Description: none

Did well de-water? _____ If yes: Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm x100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
7:25	7	7.95	8.76	69.5	3.76	214	
7:27	14	7.68	8.85	69.2			
7:30	21.5	7.62	8.92	69.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-5	3 VOA	Y	HCL	Sequoia	TPHG-BTEX-MTBE
	2 VOA	"	"	"	(5) Oxys 1,2 DCA/EDB
	1 Amb	"	—	"	TPH-D w/ silica gel
	1 pl.	"	—	"	Ferrous Iron, nitrate, sulfate, alkalinity.

COMMENTS: _____

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # RMC Lonestar #206142 Job#: 346338.02

Address: 333 23rd Ave. Date: 7-11-00

City: Oakland, CA. Sampler: Joe

Well ID MW-7 Well Condition: O.K.

Well Diameter 4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 18.80 ft.

Depth to Water 8.27 ft.

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

10.53 X VF 0.66 = 6.95 X 3 (case volume) = Estimated Purge Volume: 21 (gal.)

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

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

Starting Time: 7:55 Weather Conditions: clear

Sampling Time: 8:25 PM Water Color: clear Odor: none

Purging Flow Rate: 2 gpm Sediment Description: none

Did well de-water? Yes; If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:05	7	8.05	14.37	70.1	5.76	~~164~~	
8:08	14	7.75	14.32	69.3		164	
8:11	21	7.63	14.35	69.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-7	3 VOA	Y	HCL	Sequoia	TPHG-BTEX-MTBE
	2 VOA	"	"	"	(5) Oxys 1,2 DCA/EDB
	1 Amb	"	—	"	TPH-D w/ silica gel
	1 pl.	"	—	"	Ferrous Iron, nitrate, sulfate, alkalinity.

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # RMC Lonestar #206142 Job#: 346338.02

Address: 333 23rd Ave. Date: 7-11-00

City: Oakland, CA. Sampler: Joe

Well ID MW-8 Well Condition: O.K.

Well Diameter 4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 15.70 ft.

Depth to Water 8.23 ft.

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

7.47 X VF 0.66 = 4.93 X 3 (case volume) = Estimated Purge Volume: 15 (gal.)

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

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

Starting Time: 8:35 Weather Conditions: clear

Sampling Time: 8:58 P.M. Water Color: clear Odor: yes

Purging Flow Rate: 1.5 gpm Sediment Description: none

Did well de-water? If yes; Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm @ 100	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
8:45	5	7.90	14.55	70.5	4.25	177	
8:47	10	7.72	15.02	71.2			
8:50	15	7.74	15.05	70.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-8	3 VOA	Y	HCL	Sequoia	TPHG-BTEX-MTBE
	2 VOA	"	"	"	(5) Oxys 1,2 DCA/EDB
	1 Amb	"	—	"	TPH-D w/silica gel
	1 pl.	"	—	"	Ferrous Iron, nitrate, sulfate, alkalinity.

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # RMC Lonestar #206142 Job#: 346338.02

Address: 333 23rd Ave. Date: 7-11-00

City: Oakland, CA. Sampler: Joe

Well ID MW-9 Well Condition: O.K.

Well Diameter 4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 19.70 ft.

Depth to Water 8.43 ft.

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

11.27 X VF 0.66 = 7.44 X 3 (case volume) = Estimated Purge Volume: 22.5 (gal.)

Purge Equipment: Disposable Bailer / Bailer / Stack / Suction / Grundfos / Other: _____

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

Starting Time: 6:30 Weather Conditions: clear

Sampling Time: 7:00 p.m. Water Color: clear Odor: none

Purging Flow Rate: 2 gpm. Sediment Description: _____

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
6:40	7.5	7.35	13.72	71.2	5.59	246	
6:42	15	7.48	13.63	70.5			
6:45	22.5	7.55	13.67	70.7			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-9	3 VOA	Y	HCL	Sequoia	TPHG-BTEX-MTBE
	2 VOA	"	"	"	(5) Oxys 1,2 DCA/EDB
	1 Amb	"	—	"	TPH-D w/ silica gel
	1 pl.	"	—	"	Ferrous Iron, Nitrate, Sulfate, alkalinity.

COMMENTS: _____

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WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # RMC Lonestar #206142 Job#: 3466338.02

Address: 333 23rd Ave. Date: 7-11-00

City: Oakland, CA. Sampler: Joe

Well ID MW-10 Well Condition: O.K.

Well Diameter 4 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 18.50 ft.

Depth to Water 9.02 ft.

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

9.48 x VF 0.66 = 6.26 X 3 (case volume) = Estimated Purge Volume: 19 (gal.)

Purge Equipment:
- Disposable Bailer
- Bailer
- Stack
- Suction
- Grundfos
- Other: _____

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

Starting Time: 5:45 Weather Conditions: clear

Sampling Time: 6:15 pm Water Color: clear Odor: none

Purging Flow Rate: 1.2 gpm. Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
5:55	6	8.07	11.90	69.5	5.72	268	
5:58	12	7.75	11.95	69.2			
6:02	19	7.65	12.06	69.9			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-10	3 VOA	Y	HCL	Sequoia	TPHG-BTEX-MTBE
	2 VOA	"	"	"	(5) Oxys 1,2 DCA/EDB
	1 Amb	"	—	"	TPH-D w/ silica gel
	1 pl.	"	—	"	Ferrous Iron, nitrate, sulfate, alkalinity.

COMMENTS: _____

3/97-fieldst.frm

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # RMC Lonestar #206142 Job#: 346338.02

Address: 333 23rd Ave. Date: 7-11-00

City: Oakland, CA. Sampler: Joe

Well ID MW-11 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 20.50 ft.

Depth to Water 8.62 ft.

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

11.88 x VF 0.17 = 2.02 x 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

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

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

Starting Time: 5:00 Weather Conditions: clear

Sampling Time: 5:22 P.m Water Color: clear Odor: none

Purging Flow Rate: 1 gpm Sediment Description: none

Did well de-water? Time: Volume: (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
5:06	2	7.67	11.11	72.1	5.93	235	
5:07	4	7.81	11.18	70.6			
5:08	6.5	7.84	11.24	70.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-11	3 VOA	Y	HCL	Sequoia	TPHG-BTEX-MTBE
	2 VOA	"	"	"	(5) Oxys 1,2 DCA/EDB
	1 Amb	"	—	"	TPH-D w/silica gel
	1 pl.	"	—	"	Ferrous Iron, nitrate, sulfate, alkalinity.

COMMENTS:

WELL MONITORING/SAMPLING
FIELD DATA SHEET

Client/
Facility # RMC Lonestar #206142 Job#: 346338.02

Address: 333 23rd Ave. Date: 7-11-00

City: Oakland, CA. Sampler: Joe

Well ID MW-14 Well Condition: O.K.

Well Diameter 2 in. Hydrocarbon Thickness: 0 in. Amount Bailed (product/water): 0 (gal.)

Total Depth 20.00 ft

Depth to Water 7.55 ft

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

12.45 x VF 0.17 = 2.12 x 3 (case volume) = Estimated Purge Volume: 6.5 (gal.)

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

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

Starting Time: 4:18 Weather Conditions: clear

Sampling Time: 4:41 P.M Water Color: clear Odor: none

Purging Flow Rate: 1 gpm. Sediment Description: none

Did well de-water? _____ If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
4:23	2	8.18	12.66	71.2	4.04	249	
4:24	4	7.90	12.68	69.7			
4:25	6.5	7.97	12.71	69.5			

LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-14	3 VOA	Y	HCL	Sequoia	TPHG-BTEX-MTBE
	2 VOA	"	"	"	(5) Oxys 1,2 DCA/EDB
	1 Amb	"	—	"	TPH-D w/ silica gel
	1 pl.	"	—	"	Ferrous Iron, nitrate, sulfate, alkalinity

COMMENTS: _____

Fax copy of Lab Report and COC to Chevron Contact: ☐ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

CHEVRON
Chevron Facility Number: Lonestar Facility CPS #206142
Facility Address: 333 - 23rd Avenue, Oakland, CA
Consultant Project Number: ~~6338.85~~ 346338.02
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): ~~Deanna Harding~~ Steve Carter
(Phone) 551-7555 (Fax Number) 551-7888

Chevron Contact (Name): Mr. Robert Cochran
(Phone) 925 842-9655
Laboratory Name: Sequoia
Laboratory Service Order: IN00720 2790
Samples Collected by (Name): JOE AJEMIAN
Collection Date: 7-11-00
Signature:

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: TPH Gas + BTEX w/MTBE (8020)	TPH Diesel (8015) w/ Silica Gel	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Nitrate & Sulfate	Alkalinity Ferrous Iron	5 OXYS w/ 1,2 DCA/EDB			Remarks
TB-LB	01A	3 VOA	W	G	—	HCL	Y	✓													DO NOT BILL TB-LB ANALYSIS Diesel w/ Silica Gel Clean-up
MW-1	02A-G	5 VOA 1 AMB 1 PL	"	"	9:40	"	"	✓	✓							✓	✓	✓			* Ferrous Iron has NOT been Field filtered please filter ASAP.
MW-5	03	"	"	"	7:45	"	"	✓	✓							✓	✓	✓			
MW-7	04	"	"	"	8:25	"	"	✓	✓							✓	✓	✓			
MW-8	05	"	"	"	8:58	"	"	✓	✓							✓	✓	✓			
MW-9	06	"	"	"	7:10	"	"	✓	✓							✓	✓	✓			
MW-10	07	"	"	"	6:15	"	"	✓	✓							✓	✓	✓			
MW-11	08	"	"	"	5:32	"	"	✓	✓							✓	✓	✓			
MW-12	09	"	"	"	4:41	"	"	✓	✓							✓	✓	✓			
																					4°C

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	G-R Inc.	7-12-00 8:00 AM	Richard Yee S.C.	G-R SEQUOIA INC.	7/12/00 8:00 AM
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	SEQ	7/12/00		Capital	7/12 9:15
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
	CAPITAL	7/12			7/12/00 16:30

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia Analytical

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1 August, 2000

Steve Carter
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Chevron
Sequoia Report: W007228

Enclosed are the results of analyses for samples received by the laboratory on 12-Jul-00 08:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 206142 Project Manager: Steve Carter	**Reported:** 01-Aug-00 11:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W007228-01	Water	11-Jul-00 00:00	12-Jul-00 08:00
MW-1	W007228-02	Water	11-Jul-00 21:40	12-Jul-00 08:00
MW-5	W007228-03	Water	11-Jul-00 19:45	12-Jul-00 08:00
MW-7	W007228-04	Water	11-Jul-00 20:45	12-Jul-00 08:00
MW-8	W007228-05	Water	11-Jul-00 20:58	12-Jul-00 08:00
MW-9	W007228-06	Water	11-Jul-00 19:00	12-Jul-00 08:00
MW-10	W007228-07	Water	11-Jul-00 18:15	12-Jul-00 08:00
MW-11	W007228-08	Water	11-Jul-00 17:22	12-Jul-00 08:00
MW-14	W007228-09	Water	11-Jul-00 16:41	12-Jul-00 08:00

Charlie Westwater, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (W007228-01) Water Sampled: 11-Jul-00 00:00 Received: 12-Jul-00 08:00									
Purgeable Hydrocarbons	ND	50	ug/l	1	0G21002	21-Jul-00	21-Jul-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.0 %*	*70-130*		"	"	"	"	
MW-1 (W007228-02) Water Sampled: 11-Jul-00 21:40 Received: 12-Jul-00 08:00									**P-05**
Purgeable Hydrocarbons	**93**	50	ug/l	1	0G24001	24-Jul-00	24-Jul-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.0 %*	*70-130*		"	"	"	"	
MW-5 (W007228-03) Water Sampled: 11-Jul-00 19:45 Received: 12-Jul-00 08:00									
Purgeable Hydrocarbons	ND	50	ug/l	1	0G21002	21-Jul-00	21-Jul-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	**24**	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*97.7 %*	*70-130*		"	"	"	"	

Sequoia Analytical

Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 206142
Project Manager: Steve Carter

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
MW-7 (W007228-04) Water Sampled: 11-Jul-00 20:45 Received: 12-Jul-00 08:00								
Purgeable Hydrocarbons	ND	50	ug/l	1	0G21002	21-Jul-00	21-Jul-00	EPA 8015M/8020
Benzene	ND	0.50	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"
Xylenes (total)	ND	0.50	"	"	"	"	"	"
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene	*98.3 %*	*70-130*		"	"	"	"	"
MW-8 (W007228-05) Water Sampled: 11-Jul-00 20:58 Received: 12-Jul-00 08:00								
Purgeable Hydrocarbons	490	50	ug/l	1	0G24003	24-Jul-00	24-Jul-00	EPA 8015M/8020
Benzene	ND	0.50	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"
Xylenes (total)	ND	0.50	"	"	"	"	"	"
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene	*103 %*	*70-130*		"	"	"	"	"
MW-9 (W007228-06) Water Sampled: 11-Jul-00 19:00 Received: 12-Jul-00 08:00								
Purgeable Hydrocarbons	ND	50	ug/l	1	0G21002	21-Jul-00	21-Jul-00	EPA 8015M/8020
Benzene	ND	0.50	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"
Ethylbenzene	ND	0.50	"	"	"	"	"	"
Xylenes (total)	ND	0.50	"	"	"	"	"	"
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene	*96.0 %*	*70-130*		"	"	"	"	"

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-10 (W007228-07) Water Sampled: 11-Jul-00 18:15 Received: 12-Jul-00 08:00									
Purgeable Hydrocarbons	ND	50	ug/l	1	0G21002	21-Jul-00	21-Jul-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"		
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.7 %*	*70-130*		"	"	"	"	
MW-11 (W007228-08) Water Sampled: 11-Jul-00 17:22 Received: 12-Jul-00 08:00									
Purgeable Hydrocarbons	ND	50	ug/l	1	0G21002	21-Jul-00	21-Jul-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.3 %*	*70-130*		"	"	"	"	
MW-14 (W007228-09) Water Sampled: 11-Jul-00 16:41 Received: 12-Jul-00 08:00									
Purgeable Hydrocarbons	ND	50	ug/l	1	0G21002	21-Jul-00	21-Jul-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.3 %*	*70-130*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 206142 Project Manager: Steve Carter	**Reported:** 01-Aug-00 11:03

Diesel Hydrocarbons (C9-C24) with Silica Gel Cleanup by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W007228-02) Water	**Sampled: 11-Jul-00 21:40**	**Received: 12-Jul-00 08:00**							
Diesel Range Hydrocarbons	**190**	71	ug/l	1	0G18015	18-Jul-00	28-Jul-00	EPA 8015M	D-14
Surrogate: n-Pentacosane		*76.1 %*	*50-140*		"	"	"	"	
MW-5 (W007228-03) Water	**Sampled: 11-Jul-00 19:45**	**Received: 12-Jul-00 08:00**							
Diesel Range Hydrocarbons	**7200**	71	ug/l	1	0G18015	18-Jul-00	28-Jul-00	EPA 8015M	D-13
Surrogate: n-Pentacosane		*88.0 %*	*50-140*		"	"	"	"	
MW-7 (W007228-04) Water	**Sampled: 11-Jul-00 20:45**	**Received: 12-Jul-00 08:00**							
Diesel Range Hydrocarbons	**120**	71	ug/l	1	0G18015	18-Jul-00	28-Jul-00	EPA 8015M	D-14
Surrogate: n-Pentacosane		*87.0 %*	*50-140*		"	"	"	"	
MW-8 (W007228-05) Water	**Sampled: 11-Jul-00 20:58**	**Received: 12-Jul-00 08:00**							
Diesel Range Hydrocarbons	**4000**	71	ug/l	1	0G18015	18-Jul-00	28-Jul-00	EPA 8015M	D-13
Surrogate: n-Pentacosane		*55.0 %*	*50-140*		"	"	"	"	
MW-9 (W007228-06) Water	**Sampled: 11-Jul-00 19:00**	**Received: 12-Jul-00 08:00**							
Diesel Range Hydrocarbons	**160**	71	ug/l	1	0G18015	18-Jul-00	28-Jul-00	EPA 8015M	D-14
Surrogate: n-Pentacosane		*93.1 %*	*50-140*		"	"	"	"	
MW-10 (W007228-07) Water	**Sampled: 11-Jul-00 18:15**	**Received: 12-Jul-00 08:00**							
Diesel Range Hydrocarbons	**110**	71	ug/l	1	0G18015	18-Jul-00	28-Jul-00	EPA 8015M	D-12
Surrogate: n-Pentacosane		*104 %*	*50-140*		"	"	"	"	
MW-11 (W007228-08) Water	**Sampled: 11-Jul-00 17:22**	**Received: 12-Jul-00 08:00**							
Diesel Range Hydrocarbons	**100**	71	ug/l	1	0G18015	18-Jul-00	28-Jul-00	EPA 8015M	D-12
Surrogate: n-Pentacosane		*56.9 %*	*50-140*		"	"	"	"	

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Diesel Hydrocarbons (C9-C24) with Silica Gel Cleanup by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-14 (W007228-09) Water	**Sampled: 11-Jul-00 16:41**		**Received: 12-Jul-00 08:00**						
Diesel Range Hydrocarbons	**110**	71	ug/l	1	0G18015	18-Jul-00	28-Jul-00	EPA 8015M	D-12
Surrogate: n-Pentacosane		*85.9 %*	*50-140*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Volatile Organic Compounds by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W007228-02) Water Sampled: 11-Jul-00 21:40 Received: 12-Jul-00 08:00									
tert-Butyl alcohol	ND	100	ug/l	1	0G24019	24-Jul-00	24-Jul-00	EPA 8260A	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*50-150*		"	"	"	"	
MW-5 (W007228-03) Water Sampled: 11-Jul-00 19:45 Received: 12-Jul-00 08:00									
tert-Butyl alcohol	ND	100	ug/l	1	0G24018	18-Jul-00	18-Jul-00	EPA 8260A	
Methyl tert-butyl ether	**22**	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.0 %*	*50-150*		"	"	"	"	
MW-7 (W007228-04) Water Sampled: 11-Jul-00 20:45 Received: 12-Jul-00 08:00									
tert-Butyl alcohol	ND	100	ug/l	1	0G24018	18-Jul-00	18-Jul-00	EPA 8260A	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.0 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*70.0 %*	*50-150*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Volatile Organic Compounds by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (W007228-05) Water Sampled: 11-Jul-00 20:58 Received: 12-Jul-00 08:00									
tert-Butyl alcohol	ND	100	ug/l	1	0G24019	24-Jul-00	24-Jul-00	EPA 8260A	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.0 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*50-150*		"	"	"	"	
MW-9 (W007228-06) Water Sampled: 11-Jul-00 19:00 Received: 12-Jul-00 08:00									
tert-Butyl alcohol	ND	100	ug/l	1	0G24019	24-Jul-00	24-Jul-00	EPA 8260A	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88.0 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*50-150*		"	"	"	"	
MW-10 (W007228-07) Water Sampled: 11-Jul-00 18:15 Received: 12-Jul-00 08:00									
tert-Butyl alcohol	ND	100	ug/l	1	0G24019	24-Jul-00	24-Jul-00	EPA 8260A	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.0 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*	*50-150*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Volatile Organic Compounds by EPA Method 8260A

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-11 (W007228-08) Water Sampled: 11-Jul-00 17:22 Received: 12-Jul-00 08:00									
tert-Butyl alcohol	ND	100	ug/l	1	0G24019	24-Jul-00	24-Jul-00	EPA 8260A	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88.0 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*50-150*		"	"	"	"	
MW-14 (W007228-09) Water Sampled: 11-Jul-00 16:41 Received: 12-Jul-00 08:00									
tert-Butyl alcohol	ND	100	ug/l	1	0G24019	24-Jul-00	24-Jul-00	EPA 8260A	
Methyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
Ethylene dibromide	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88.0 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*50-150*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W007228-02) Water	**Sampled: 11-Jul-00 21:40**	**Received: 12-Jul-00 08:00**							
Ferrous Iron	**0.12**	0.010	mg/l	1	0G24017	24-Jul-00	26-Jul-00	EPA 6010A	
MW-5 (W007228-03) Water	**Sampled: 11-Jul-00 19:45**	**Received: 12-Jul-00 08:00**							
Ferrous Iron	**0.063**	0.010	mg/l	1	0G24017	24-Jul-00	26-Jul-00	EPA 6010A	
MW-7 (W007228-04) Water	**Sampled: 11-Jul-00 20:45**	**Received: 12-Jul-00 08:00**							
Ferrous Iron	**0.054**	0.010	mg/l	1	0G24017	24-Jul-00	26-Jul-00	EPA 6010A	
MW-8 (W007228-05) Water	**Sampled: 11-Jul-00 20:58**	**Received: 12-Jul-00 08:00**							
Ferrous Iron	**0.23**	0.010	mg/l	1	0G24017	24-Jul-00	26-Jul-00	EPA 6010A	
MW-9 (W007228-06) Water	**Sampled: 11-Jul-00 19:00**	**Received: 12-Jul-00 08:00**							
Ferrous Iron	**0.14**	0.010	mg/l	1	0G24017	24-Jul-00	26-Jul-00	EPA 6010A	
MW-10 (W007228-07) Water	**Sampled: 11-Jul-00 18:15**	**Received: 12-Jul-00 08:00**							
Ferrous Iron	**0.060**	0.010	mg/l	1	0G24017	24-Jul-00	26-Jul-00	EPA 6010A	
MW-11 (W007228-08) Water	**Sampled: 11-Jul-00 17:22**	**Received: 12-Jul-00 08:00**							
Ferrous Iron	**0.090**	0.010	mg/l	1	0G24017	24-Jul-00	26-Jul-00	EPA 6010A	
MW-14 (W007228-09) Water	**Sampled: 11-Jul-00 16:41**	**Received: 12-Jul-00 08:00**							
Ferrous Iron	**0.16**	0.010	mg/l	1	0G24017	24-Jul-00	26-Jul-00	EPA 6010A	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W007228-02) Water	**Sampled: 11-Jul-00 21:40**	**Received: 12-Jul-00 08:00**							
Total Alkalinity	**590**	11	mg/l	10	0G18008	18-Jul-00	18-Jul-00	EPA 310.1	
MW-5 (W007228-03) Water	**Sampled: 11-Jul-00 19:45**	**Received: 12-Jul-00 08:00**							
Total Alkalinity	**370**	11	mg/l	10	0G18008	18-Jul-00	18-Jul-00	EPA 310.1	
MW-7 (W007228-04) Water	**Sampled: 11-Jul-00 20:45**	**Received: 12-Jul-00 08:00**							
Total Alkalinity	**400**	11	mg/l	10	0G18008	18-Jul-00	18-Jul-00	EPA 310.1	
MW-8 (W007228-05) Water	**Sampled: 11-Jul-00 20:58**	**Received: 12-Jul-00 08:00**							
Total Alkalinity	**650**	11	mg/l	10	0G18008	18-Jul-00	18-Jul-00	EPA 310.1	
MW-9 (W007228-06) Water	**Sampled: 11-Jul-00 19:00**	**Received: 12-Jul-00 08:00**							
Total Alkalinity	**600**	11	mg/l	10	0G18008	18-Jul-00	18-Jul-00	EPA 310.1	
MW-10 (W007228-07) Water	**Sampled: 11-Jul-00 18:15**	**Received: 12-Jul-00 08:00**							
Total Alkalinity	**190**	11	mg/l	10	0G18008	18-Jul-00	18-Jul-00	EPA 310.1	
MW-11 (W007228-08) Water	**Sampled: 11-Jul-00 17:22**	**Received: 12-Jul-00 08:00**							
Total Alkalinity	**310**	11	mg/l	10	0G18008	18-Jul-00	18-Jul-00	EPA 310.1	
MW-14 (W007228-09) Water	**Sampled: 11-Jul-00 16:41**	**Received: 12-Jul-00 08:00**							
Total Alkalinity	**300**	11	mg/l	10	0G18008	18-Jul-00	18-Jul-00	EPA 310.1	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Anions by EPA Method 300.0

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W007228-02) Water Sampled: 11-Jul-00 21:40 Received: 12-Jul-00 08:00									
Nitrate as NO3	ND	1.0	mg/l	10	0G14007	13-Jul-00	13-Jul-00	EPA 300.0	
Sulfate as SO4	**11**	1.0	"	"	"	"	13-Jul-00	"	
MW-5 (W007228-03) Water Sampled: 11-Jul-00 19:45 Received: 12-Jul-00 08:00									
Nitrate as NO3	**41**	1.0	mg/l	10	0G14007	13-Jul-00	13-Jul-00	EPA 300.0	
Sulfate as SO4	**250**	2.0	"	20	"	"	13-Jul-00	"	
MW-7 (W007228-04) Water Sampled: 11-Jul-00 20:45 Received: 12-Jul-00 08:00									
Nitrate as NO3	**27**	1.0	mg/l	10	0G14007	13-Jul-00	13-Jul-00	EPA 300.0	
Sulfate as SO4	**73**	1.0	"	"	"	"	13-Jul-00	"	
MW-8 (W007228-05) Water Sampled: 11-Jul-00 20:58 Received: 12-Jul-00 08:00									
Nitrate as NO3	ND	1.0	mg/l	10	0G14007	13-Jul-00	13-Jul-00	EPA 300.0	
Sulfate as SO4	ND	1.0	"	"	"	"	13-Jul-00	"	
MW-9 (W007228-06) Water Sampled: 11-Jul-00 19:00 Received: 12-Jul-00 08:00									
Nitrate as NO3	ND	1.0	mg/l	10	0G14007	13-Jul-00	13-Jul-00	EPA 300.0	
Sulfate as SO4	**2.5**	1.0	"	"	"	"	13-Jul-00	"	
MW-10 (W007228-07) Water Sampled: 11-Jul-00 18:15 Received: 12-Jul-00 08:00									
Nitrate as NO3	**4.0**	1.0	mg/l	10	0G14007	13-Jul-00	13-Jul-00	EPA 300.0	
Sulfate as SO4	**45**	1.0	"	"	"	"	13-Jul-00	"	
MW-11 (W007228-08) Water Sampled: 11-Jul-00 17:22 Received: 12-Jul-00 08:00									
Nitrate as NO3	**300**	5.0	mg/l	50	0G14007	13-Jul-00	13-Jul-00	EPA 300.0	
Sulfate as SO4	**160**	1.0	"	10	"	"	13-Jul-00	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Anions by EPA Method 300.0

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-14 (W007228-09) Water Sampled: 11-Jul-00 16:41 Received: 12-Jul-00 08:00									
Nitrate as NO3	**19**	1.0	mg/l	10	0G14007	13-Jul-00	13-Jul-00	EPA 300.0	
Sulfate as SO4	**58**	1.0	"	"	"	"	13-Jul-00	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G21002 - EPA 5030B [P/T]										
Blank (0G21002-BLK1)				Prepared & Analyzed: 21-Jul-00						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*31.1*		"	*30.0*		*104*	*70-130*			
LCS (0G21002-BS1)				Prepared & Analyzed: 21-Jul-00						
Benzene	18.6	0.50	ug/l	20.0		93.0	70-130			
Toluene	19.4	0.50	"	20.0		97.0	70-130			
Ethylbenzene	19.7	0.50	"	20.0		98.5	70-130			
Xylenes (total)	58.7	0.50	"	60.0		97.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*29.5*		"	*30.0*		*98.3*	*70-130*			
Matrix Spike (0G21002-MS1)		**Source: W007228-04**		Prepared & Analyzed: 21-Jul-00						
Benzene	18.9	0.50	ug/l	20.0	ND	94.5	70-130			
Toluene	19.3	0.50	"	20.0	ND	96.5	70-130			
Ethylbenzene	20.1	0.50	"	20.0	ND	101	70-130			
Xylenes (total)	60.3	0.50	"	60.0	ND	100	70-130			
Surrogate: a,a,a-Trifluorotoluene	*29.4*		"	*30.0*		*98.0*	*70-130*			
Matrix Spike Dup (0G21002-MSD1)		**Source: W007228-04**		Prepared & Analyzed: 21-Jul-00						
Benzene	18.3	0.50	ug/l	20.0	ND	91.5	70-130	3.23	20	
Toluene	19.0	0.50	"	20.0	ND	95.0	70-130	1.57	20	
Ethylbenzene	19.8	0.50	"	20.0	ND	99.0	70-130	1.50	20	
Xylenes (total)	58.9	0.50	"	60.0	ND	98.2	70-130	2.35	20	
Surrogate: a,a,a-Trifluorotoluene	*29.6*		"	*30.0*		*98.7*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G24001 - EPA 5030B [P/T]										
Blank (0G24001-BLK1)				Prepared & Analyzed: 24-Jul-00						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*29.5*		"	*30.0*		*98.3*	*70-130*			
LCS (0G24001-BS1)				Prepared & Analyzed: 24-Jul-00						
Benzene	17.8	0.50	ug/l	20.0		89.0	70-130			
Toluene	20.0	0.50	"	20.0		100	70-130			
Ethylbenzene	17.6	0.50	"	20.0		88.0	70-130			
Xylenes (total)	65.1	0.50	"	60.0		108	70-130			
Surrogate: a,a,a-Trifluorotoluene	*25.2*		"	*30.0*		*84.0*	*70-130*			
Matrix Spike (0G24001-MS1)		**Source: W007317-04**		Prepared & Analyzed: 24-Jul-00						
Benzene	20.6	0.50	ug/l	20.0	ND	103	70-130			
Toluene	22.5	0.50	"	20.0	ND	113	70-130			
Ethylbenzene	20.7	0.50	"	20.0	ND	104	70-130			
Xylenes (total)	73.0	0.50	"	60.0	ND	122	70-130			
Surrogate: a,a,a-Trifluorotoluene	*25.7*		"	*30.0*		*85.7*	*70-130*			
Matrix Spike Dup (0G24001-MSD1)		**Source: W007317-04**		Prepared & Analyzed: 24-Jul-00						
Benzene	19.6	0.50	ug/l	20.0	ND	98.0	70-130	4.98	20	
Toluene	21.6	0.50	"	20.0	ND	108	70-130	4.08	20	
Ethylbenzene	24.0	0.50	"	20.0	ND	120	70-130	14.8	20	
Xylenes (total)	69.8	0.50	"	60.0	ND	116	70-130	4.48	20	
Surrogate: a,a,a-Trifluorotoluene	*24.9*		"	*30.0*		*83.0*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G24003 - EPA 5030B [P/T]										
Blank (0G24003-BLK1)				Prepared & Analyzed: 24-Jul-00						
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*30.1*		"	*30.0*		*100*	*70-130*			
LCS (0G24003-BS1)				Prepared & Analyzed: 24-Jul-00						
Benzene	18.6	0.50	ug/l	20.0		93.0	70-130			
Toluene	18.7	0.50	"	20.0		93.5	70-130			
Ethylbenzene	19.7	0.50	"	20.0		98.5	70-130			
Xylenes (total)	55.1	0.50	"	60.0		91.8	70-130			
Surrogate: a,a,a-Trifluorotoluene	*27.4*		"	*30.0*		*91.3*	*70-130*			
LCS Dup (0G24003-BSD1)				Prepared & Analyzed: 24-Jul-00						
Benzene	21.6	0.50	ug/l	20.0		108	70-130	14.9	20	
Toluene	21.7	0.50	"	20.0		109	70-130	14.9	20	
Ethylbenzene	21.9	0.50	"	20.0		109	70-130	10.6	20	
Xylenes (total)	62.9	0.50	"	60.0		105	70-130	13.2	20	
Surrogate: a,a,a-Trifluorotoluene	*27.9*		"	*30.0*		*93.0*	*70-130*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Diesel Hydrocarbons (C9-C24) with Silica Gel Cleanup by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G18015 - EPA 3510B										
Blank (0G18015-BLK1)				Prepared: 18-Jul-00 Analyzed: 27-Jul-00						
Diesel Range Hydrocarbons	ND	50	ug/l							
Surrogate: n-Pentacosane	*20.3*		"	*33.3*		*61.0*	*50-140*			
LCS (0G18015-BS1)				Prepared: 18-Jul-00 Analyzed: 31-Jul-00						
Diesel Range Hydrocarbons	385	50	ug/l	500		77.0	35-125			
Surrogate: n-Pentacosane	*42.7*		"	*33.3*		*128*	*50-140*			
LCS Dup (0G18015-BSD1)				Prepared: 18-Jul-00 Analyzed: 31-Jul-00						
Diesel Range Hydrocarbons	358	50	ug/l	500		71.6	35-125	7.27	50	
Surrogate: n-Pentacosane	*40.0*		"	*33.3*		*120*	*50-140*			

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G24017 - 200.7										
Blank (0G24017-BLK1)				Prepared: 24-Jul-00 Analyzed: 26-Jul-00						
Ferrous Iron	ND	0.010	mg/l							
LCS (0G24017-BS1)				Prepared: 24-Jul-00 Analyzed: 26-Jul-00						
Ferrous Iron	1.06	0.010	mg/l	1.00		106	80-120			
LCS Dup (0G24017-BSD1)				Prepared: 24-Jul-00 Analyzed: 26-Jul-00						
Ferrous Iron	0.920	0.010	mg/l	1.00		92.0	80-120	14.1	20	
Matrix Spike (0G24017-MS1)		**Source: W007228-02**		Prepared: 24-Jul-00 Analyzed: 26-Jul-00						
Ferrous Iron	1.17	0.010	mg/l	1.00	0.12	105	80-120			
Matrix Spike Dup (0G24017-MSD1)		**Source: W007228-02**		Prepared: 24-Jul-00 Analyzed: 26-Jul-00						
Ferrous Iron	1.16	0.010	mg/l	1.00	0.12	104	80-120	0.858	20	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Volatile Organic Compounds by EPA Method 8260A - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G24018 - EPA 5030B [P/T]										
Blank (0G24018-BLK1)				Prepared & Analyzed: 18-Jul-00						
tert-Butyl alcohol	ND	100	ug/l							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Ethylene dibromide	ND	2.0	"							
Surrogate: Dibromofluoromethane	*55.0*		"	*50.0*		*110*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*38.0*		"	*50.0*		*76.0*	*50-150*			
LCS (0G24018-BS1)				Prepared & Analyzed: 18-Jul-00						
Methyl tert-butyl ether	50.0	2.0	ug/l	50.0		100	70-130			
Surrogate: Dibromofluoromethane	*56.0*		"	*50.0*		*112*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*37.0*		"	*50.0*		*74.0*	*50-150*			
Matrix Spike (0G24018-MS1)		**Source: W007228-03**		Prepared & Analyzed: 18-Jul-00						
Methyl tert-butyl ether	75.6	2.0	ug/l	50.0	22	107	60-150			
Surrogate: Dibromofluoromethane	*51.0*		"	*50.0*		*102*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*43.0*		"	*50.0*		*86.0*	*50-150*			
Matrix Spike Dup (0G24018-MSD1)		**Source: W007228-03**		Prepared & Analyzed: 18-Jul-00						
Methyl tert-butyl ether	79.1	2.0	ug/l	50.0	22	114	60-150	4.52	25	
Surrogate: Dibromofluoromethane	*51.0*		"	*50.0*		*102*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*44.0*		"	*50.0*		*88.0*	*50-150*			
Batch 0G24019 - EPA 5030B [P/T]										
Blank (0G24019-BLK1)				Prepared & Analyzed: 24-Jul-00						
tert-Butyl alcohol	ND	100	ug/l							
Methyl tert-butyl ether	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	2.0	"							
Ethylene dibromide	ND	2.0	"							
Surrogate: Dibromofluoromethane	*47.0*		"	*50.0*		*94.0*	*50-150*			

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6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Volatile Organic Compounds by EPA Method 8260A - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G24019 - EPA 5030B [P/T]										
Blank (0G24019-BLK1)				Prepared & Analyzed: 24-Jul-00						
Surrogate: 1,2-Dichloroethane-d4	*50.0*		*ug/l*	*50.0*		*100*	*50-150*			
LCS (0G24019-BS1)				Prepared & Analyzed: 24-Jul-00						
Methyl tert-butyl ether	45.1	2.0	ug/l	50.0		90.2	70-130			
Surrogate: Dibromofluoromethane	*47.0*		*"*	*50.0*		*94.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*50.0*		*"*	*50.0*		*100*	*50-150*			
Matrix Spike (0G24019-MS1)		**Source: W007228-09**		Prepared & Analyzed: 24-Jul-00						
Methyl tert-butyl ether	37.7	2.0	ug/l	50.0	ND	75.4	60-150			
Surrogate: Dibromofluoromethane	*43.0*		*"*	*50.0*		*86.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*46.0*		*"*	*50.0*		*92.0*	*50-150*			
Matrix Spike Dup (0G24019-MSD1)		**Source: W007228-09**		Prepared & Analyzed: 24-Jul-00						
Methyl tert-butyl ether	40.8	2.0	ug/l	50.0	ND	81.6	60-150	7.90	25	
Surrogate: Dibromofluoromethane	*44.0*		*"*	*50.0*		*88.0*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*47.0*		*"*	*50.0*		*94.0*	*50-150*			

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6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G18008 - General Preparation										
Blank (0G18008-BLK1)				Prepared & Analyzed: 18-Jul-00						
Total Alkalinity	ND	1.1	mg/l							
LCS (0G18008-BS1)				Prepared & Analyzed: 18-Jul-00						
Total Alkalinity	95.0	1.1	mg/l	100		95.0	80-120			
Matrix Spike (0G18008-MS1)		**Source: W007228-07**		Prepared & Analyzed: 18-Jul-00						
Total Alkalinity	1090	11	mg/l	1000	190	90.0	75-125			
Matrix Spike Dup (0G18008-MSD1)		**Source: W007228-07**		Prepared & Analyzed: 18-Jul-00						
Total Alkalinity	1090	11	mg/l	1000	190	90.0	75-125	0	20	

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Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0G14007 - General Preparation										
Blank (0G14007-BLK1)				Prepared & Analyzed: 13-Jul-00						
Nitrate as NO3	ND	0.10	mg/l							
Sulfate as SO4	ND	0.10	"							
LCS (0G14007-BS1)				Prepared & Analyzed: 13-Jul-00						
Nitrate as NO3	9.94	0.10	mg/l	10.0		99.4	80-120			
Sulfate as SO4	11.0	0.10	"	10.0		110	80-120			
Matrix Spike (0G14007-MS1)		**Source: W007228-04**		Prepared & Analyzed: 13-Jul-00						
Nitrate as NO3	127	2.0	mg/l	100	27	100	75-125			
Sulfate as SO4	183	2.0	"	100	73	110	75-125			
Matrix Spike Dup (0G14007-MSD1)		**Source: W007228-04**		Prepared & Analyzed: 13-Jul-00						
Nitrate as NO3	127	2.0	mg/l	100	27	100	75-125	0	20	
Sulfate as SO4	184	2.0	"	100	73	111	75-125	0.545	20	

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6747 Sierra Court Suite J	Project Number: Chevron # 206142	**Reported:**
Dublin CA, 94568	Project Manager: Steve Carter	01-Aug-00 11:03

Notes and Definitions

D-12	Chromatogram Pattern: Unidentified Hydrocarbons > C16
D-13	Chromatogram Pattern: Diesel C9-C24
D-14	Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
P-05	Chromatogram Pattern: Unidentified Hydrocarbons >C8
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

FIELD METHOD AND PROCEDURES

STANDARD OPERATING PROCEDURE - QUARTERLY GROUNDWATER SAMPLING

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

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is recorded 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 purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include job number, sample identification, collection date and time, analyses, preservative (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 delivery to the laboratory.

The chain of custody includes the job number, type of preservation, if any, analyses 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.