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San Diego, CA 92108
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619-296-6199 FAX

DATE: July 29, 2005

CHEVRON FIRST & SECOND QUARTER 2005 GROUNDWATER MONITORING REPORT

Chevron Service Station No.:	9-1834
Address:	4175 Voltaire, San Diego, CA
Chevron Environmental Manager:	Mr. Eric Roehl
Consulting Co./Contact Person:	SECOR / Kim Thompson
SECOR Project No.:	08CH.41834.05
Primary Agency:	San Diego Department of Environmental Health
Regulatory ID No.:	H12455-002

WORK PERFORMED DURING FIRST QUARTER 2005:

1. Completed the First Quarter 2005 groundwater monitoring event on March 1, 2005.

FIRST QUARTER 2005 SUMMARY TABLE:

REGISTERED GEOLOGIST NO. HG514 Certified Hydrogeologist STATE OF CALIFORNIA

Groundwater Monitoring Data	
Current Phase of Project:	Groundwater Monitoring
Frequency of Sampling and Monitoring:	Quarterly
Groundwater Sampling Date	March 1, 2005
Groundwater Sampling Sub-Contractor	Secor International
Groundwater Purge Method:	Submersible Pump
Number of Wells Sampled this Quarter:	3
Number of Wells Existing at the Site	12
Depth to Groundwater Range (ft.):	49.17 ft. to 52.89 ft.
Groundwater Elevation Range [feet above mean sea level (MSL)]:	17.32 feet MSL to 18.84 feet MSL
Groundwater Gradient Flow Direction:	Northeast
First Quarter Groundwater Gradient:	0.006 ft/ft
Wells with Detectable Dissolved-Phase Hydrocarbon Concentrations:	MW-1, MW-7 & MW-9
Highest dissolved-phase hydrocarbons were observed in wells:	MW-1 & MW-9
Total petroleum hydrocarbon as gasoline (TPH-g) concentrations range:	290 micrograms per liter (µg/L) to 41,000 µg/L (MW-1)
Benzene concentrations range:	150 µg/L to 4,900 µg/L (MW-1)
Toluene concentrations range:	1.2 µg/L to 6,700 µg/L (MW-9)
Ethylbenzene concentrations range:	17 µg/L to 1,600 µg/L (MW-1)
Total Xylenes concentrations range:	7.5 µg/L to 9,600 µg/L (MW-9)
Methyl tert-butyl ether (MTBE) concentrations range:	3.9 µg/L to 430 µg/L (MW-1)
Di-isopropyl ether (DIPE) concentrations range:	Not detected (<5.0 µg/L to <500 µg/L)

DATE: July 29, 2005

FIRST & SECOND QUARTER 2005 GROUNDWATER MONITORING REPORT
FORMER CHEVRON SERVICE STATION 9-1834
4175 Voltaire, San Diego, CA

Groundwater Monitoring Data	
Ethyl tert-butyl ether (ETBE) concentrations range:	Not detected (<5.0 µg/L to <500 µg/L)
Tert-amyl methyl ether (TAME) concentrations range:	Not detected (<5.0 µg/L to <500 µg/L)
Tert-butanol (TBA) concentrations range:	Not detected (<25 µg/L to <2,500 µg/L)
Remedial Activities	
Historic Remedial Activities:	SVE
Historical Mass Removal (pounds):	6,277
Historical Liquid Phase Hydrocarbons (LPH) Removal (gallons):	15.4
Historical Groundwater Removal:	0
Current Remediation Techniques:	SVE
Permits for Discharge:	APCD
Are LPH Present On-site:	Yes - Sheen
LPH Recovered This Reporting Period (gals):	0 gallons
AB 2886 Agency Compliance	
Submittal to GeoTracker Confirmation Number:	8681141197

REGISTERED GEOLOGIST NO. CLIFFORD R. POLLOCK Certified Engineering Geologist No. HG514 Expires 4/30/06 STATE OF CALIFORNIA

FIRST QUARTER 2005 DISCUSSION:

In general, the analytical data was consistent with historical trends. Static depth-to-water (DTW) measurements in Site groundwater monitoring wells (MWs) on March 1, 2005, ranged between 49.17 and 52.89 feet below ground surface (bgs). Calculated groundwater elevations varied from 17.32 to 18.84 feet above mean sea level (MSL). The hydraulic gradient was calculated to be 0.006 vertical foot per horizontal foot (ft/ft) with groundwater flowing toward the northeast.

WORK PERFORMED DURING SECOND QUARTER 2005:

1. Completed the Second Quarter 2005 groundwater monitoring event on May 5, 2005.

SECOND QUARTER 2005 SUMMARY TABLE:

Groundwater Monitoring Data	
Current Phase of Project:	Groundwater Monitoring
Frequency of Sampling and Monitoring:	Quarterly
Groundwater Sampling Date	May 5, 2005
Groundwater Sampling Sub-Contractor	SECOR International

DATE: July 29, 2005

FIRST & SECOND QUARTER 2005 GROUNDWATER MONITORING REPORT
FORMER CHEVRON SERVICE STATION 9-1834
4175 Voltaire, San Diego, CA

Groundwater Monitoring Data	
Groundwater Purge Method:	Submersible Pump, Bailer
Number of Wells Sampled this Quarter:	12
Number of Wells Existing at the Site	12
Depth to Groundwater Range (ft.):	48.90 ft. to 52.51 ft.
Groundwater Elevation Range [feet above mean sea level (MSL)]:	17.64 feet MSL to 19.14 feet MSL
Groundwater Gradient Flow Direction:	Northeast
Second Quarter Groundwater Gradient:	0.03 ft/ft
Wells with Detectable Dissolved-Phase Hydrocarbon Concentrations:	MW-1 through MW-3, MW-5 through MW-9, and MW-12
Highest dissolved-phase hydrocarbons were observed in wells:	MW-1 & MW-9
Total petroleum hydrocarbon as gasoline (TPH-g) concentrations range:	<100 µg/L to 81,000 µg/L (MW-1)
Benzene concentrations range:	<0.50 µg/L to 12,000 µg/L (MW-1)
Toluene concentrations range:	<0.50 µg/L to 19,000 µg/L (MW-1)
Ethylbenzene concentrations range:	<0.50 µg/L to 2,200 µg/L (MW-9)
Total Xylenes concentrations range:	<1.5 µg/L to 13,000 µg/L (MW-9)
Methyl tert-butyl ether (MTBE) concentrations range:	<1.0 µg/L to 1,400 µg/L (MW-1)
Di-isopropyl ether (DIPE) concentrations range:	Not detected (<5.0 µg/L to <1,000 µg/L) to 20 µg/L (MW-5)
Ethyl tert-butyl ether (ETBE) concentrations range:	Not detected (<5.0 µg/L to <1,000 µg/L)
Tert-amyl methyl ether (TAME) concentrations range:	Not detected (<5.0 µg/L to <1,000 µg/L)
Tert-butanol (TBA) concentrations range:	Not detected (<25 µg/L to <5,000 µg/L) to 89 µg/L (MW-5)
Remedial Activities	
Historic Remedial Activities:	SVE
Historical Mass Removal (pounds):	6,205
Historical LPH Removal (gallons):	15.4
Historical Groundwater Removal:	0
Current Remediation Techniques:	SVE
Permits for Discharge:	APCD
Are LPH Present On-site:	Yes
LPH Recovered This Reporting Period (gals):	0 gallons
AB 2886 Agency Compliance	
Submittal to GeoTracker Confirmation Number:	9085970759

REGISTERED GEOLOGIST NO. HG514 Expires 1/30/06 STATE OF CALIFORNIA

DATE: July 29, 2005

FIRST & SECOND QUARTER 2005 GROUNDWATER MONITORING REPORT
FORMER CHEVRON SERVICE STATION 9-1834
4175 Voltaire, San Diego, CA

SECOND QUARTER 2005 DISCUSSION:

In general, the analytical data was consistent with historical trends. Static DTW measurements in Site MWs on May 5, 2005, ranged between 48.90 and 52.51 feet bgs. Calculated groundwater elevations ranged from 17.64 to 19.14 feet above MSL. The hydraulic gradient was calculated to be 0.03 ft/ft with groundwater flowing toward the northwest.

CONCLUSIONS AND RECOMMENDATIONS:

The SVE system was shutdown on February 2, 2005 to allow groundwater conditions at the Site to be evaluated for closure. From first to second quarter, benzene concentrations increased an insignificant amount in four of the 12 sampled wells. Benzene concentrations in MW-1 increased from 4,900 µg/L to 12,000 µg/L. SECOR will be performing the installation of five confirmation borings during third quarter 2005 to assess the extent of residual hydrocarbon impacts remaining at the Site. Based on these conclusions and previous groundwater analytical results, SECOR recommends that at least one more groundwater sampling event be performed to evaluate remediation system effectiveness.

If you have any questions about this report or project, please call the undersigned at (619) 296-6195.

Sincerely,

SECOR International Incorporated

Kimberly N. Thompson
Project Manager

REGISTERED GEOLOGIST NO. CLIFFORD R. POLLOCK Certified Engineering Geologist No. HG514 Expires 11/30/06 STATE OF CALIFORNIA

Clifford R. Pollock, CHG #514
Principal Engineering Geologist

DATE: July 29, 2005

FIRST & SECOND QUARTER 2005 GROUNDWATER MONITORING REPORT
FORMER CHEVRON SERVICE STATION 9-1834
4175 Voltaire, San Diego, CA

ATTACHED:

Figures
Figure 1 – Site Location Map
Figure 2 – Groundwater Gradient Map – March 1, 2005
Figure 3 – Hydrocarbon Constituents Distribution Map – March 1, 2005
Figure 4 – Groundwater Gradient Map – May 5, 2005
Figure 5 – Hydrocarbon Constituents Distribution Map – May 5, 2005

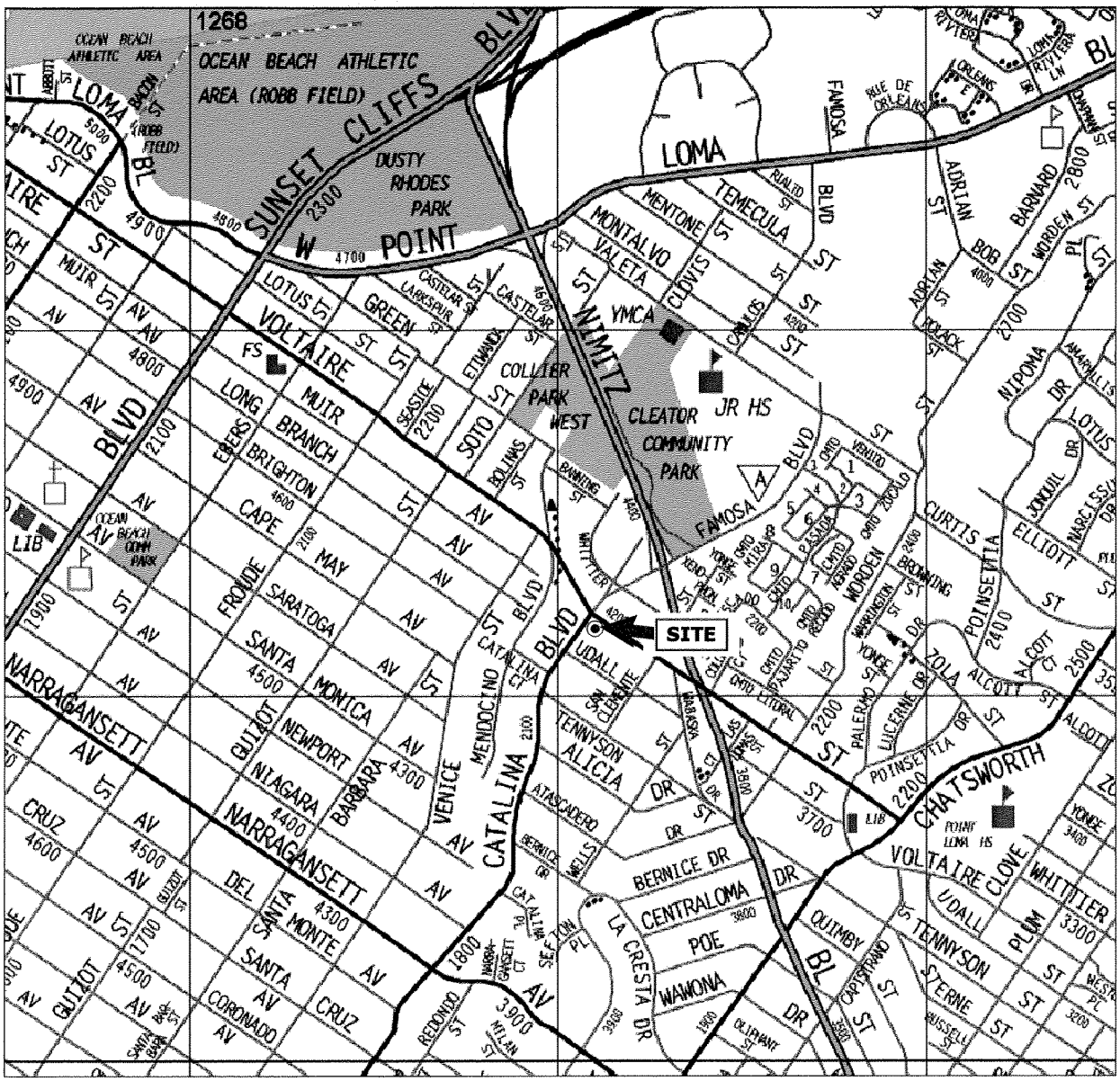
Tables
Table 1 – Summary of First Quarter 2005 Groundwater Levels and Chemical Analysis Results
Table 2 – Summary of Second Quarter 2005 Groundwater Levels and Chemical Analysis Results
Table 3 – Historic Groundwater Levels and Chemical Analysis Results
Table 4 – Liquid-Phase Hydrocarbons Gauging and Removal Summary

Hydrographs

Appendices
Appendix A - Laboratory Reports and Chain-of-Custody Documentation
Appendix B - Monitoring Well Gauging Logs and Well Purging and Sampling Logs
Appendix C - Monitoring Well Purging and Sampling Procedures

REGISTERED GEOLOGIST NO. CLIFFORD R. POLLOCK Certified Hydrogeologist No. HG514 Expires 11/30/06 STATE OF CALIFORNIA

FIGURES



REFERENCE: THOMAS GUIDE CD-ROM, PAGE & GRID 1268 B6.

NORTH

0 1320 2640

APPROXIMATE SCALE IN FEET

SECOR

2655 CAMINO DEL RIO NORTH, SUITE 302
SAN DIEGO, CALIFORNIA
PHONE: (619) 296-6195/296-6199 (FAX)

FOR:			FIGURE:
FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA		SITE LOCATION MAP	1
JOB NUMBER: 08CH.51834.05	DRAWN BY: RO	CHECKED BY:	APPROVED BY:	DATE: 4/12/05

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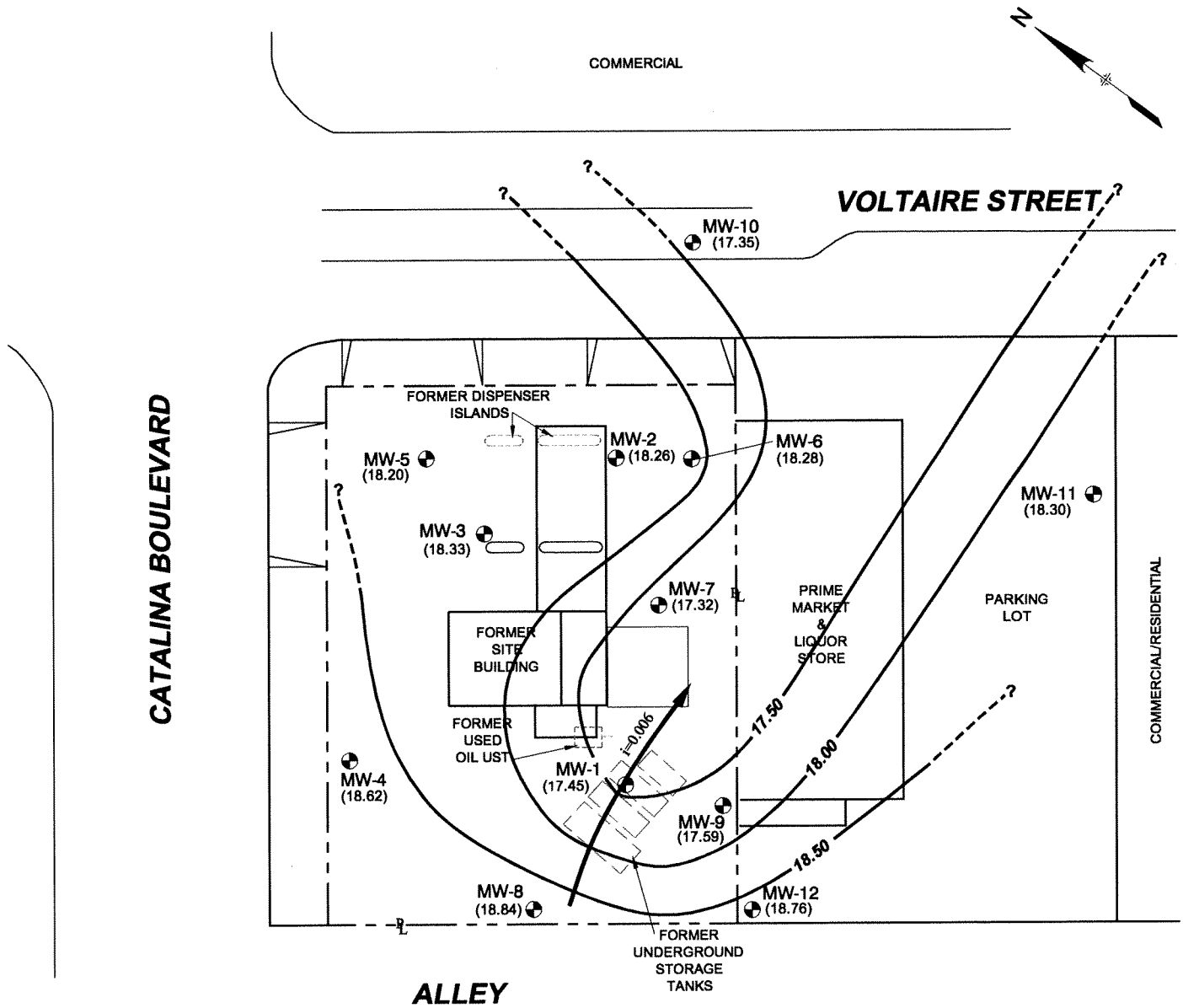
9-1834-STLOC



LEGEND:

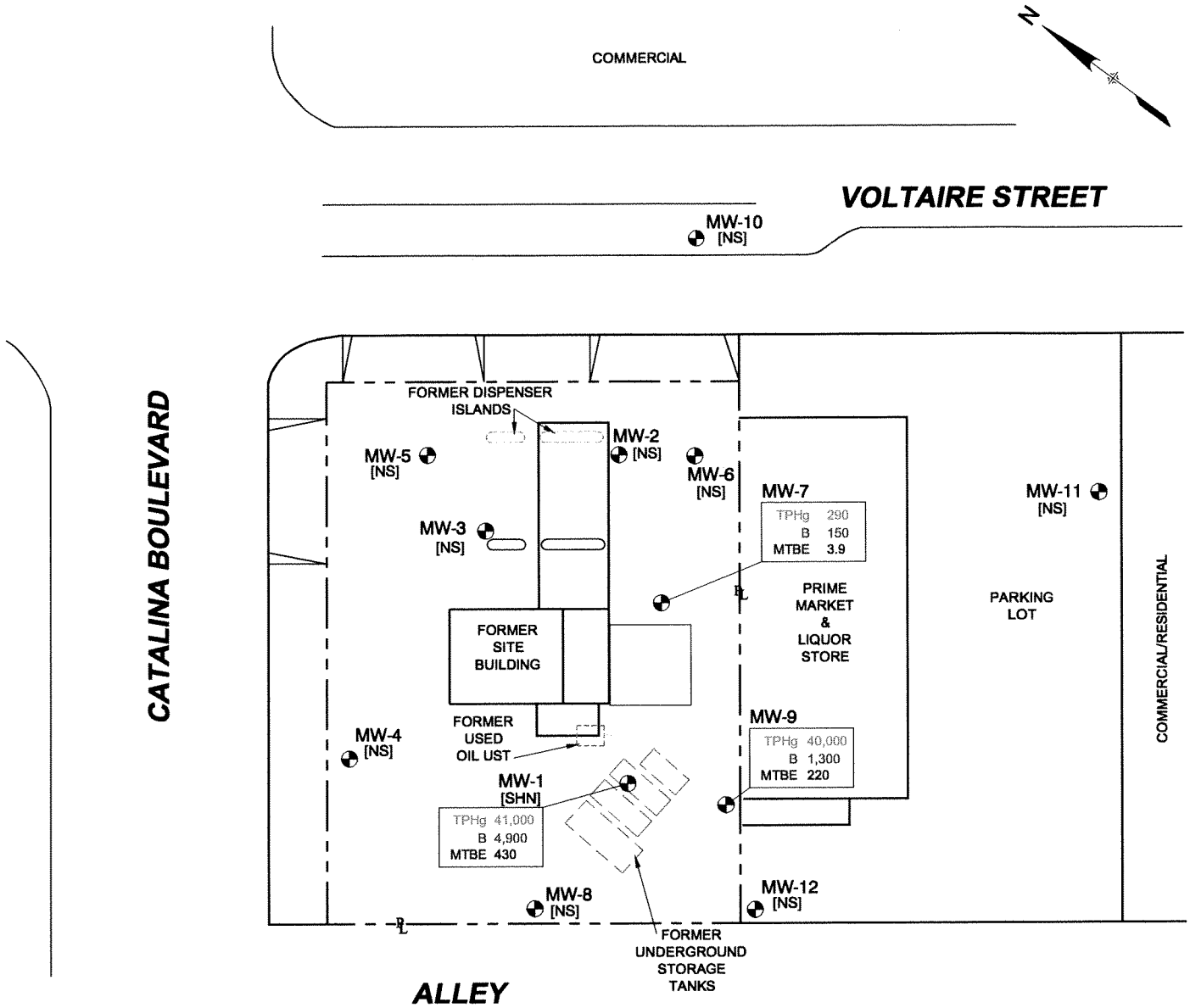
MW-3 ◐	MONITORING WELL LOCATION AND IDENTIFICATION.
	NESTED VAPOR EXTRACTION WELL
	SOIL BOREHOLE
(18.26)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL)
? - - 18.00 —	ESTIMATED GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MSL. DASHED WHERE INFERRED. QUERIED WHERE UNKNOWN.
i=0.006 ←	APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND HYDRAULIC GRADIENT (i)

0 40 80
APPROXIMATE SCALE IN FEET

SECOR
2655 CAMINO DEL RIO NORTH, SUITE 302
SAN DIEGO, CALIFORNIA
PHONE: (619) 296-6195/296-6199 (FAX)

FOR:				FIGURE:
FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA		GROUNDWATER GRADIENT MAP MARCH 1, 2005		2
JOB NUMBER: 08CH.41834.05	DRAWN BY: RO/ARA	CHECKED BY: KN	APPROVED BY:	DATE: 4/21/05

FILEPATH:Q:\CADD-08\PROJECTS 2005\CHEVRONTEXACO\9-1834-2K5\9-1834GW3-05.DWG|PDODGE|JUN 10, 2005 AT 9:21|LAYOUT: MODEL



LEGEND:

MW-3 ⊕ MONITORING WELL LOCATION AND IDENTIFICATION.

TPHg	<100	TOTAL PETROLEUM HYDROCARBONS CHARACTERIZED AS GASOLINE (μg/L)
B	<0.50	BENZENE (μg/L)
MTBE	<1.0	METHYL-TERT-BUTYL ETHER (μg/L)

[NS] NOT SAMPLED

[SHN] SHEEN (<0.01-FOOT) APPARENT THICKNESS OF LIQUID-PHASE HYDROCARBONS IS PRESENT IN WELL CASING.

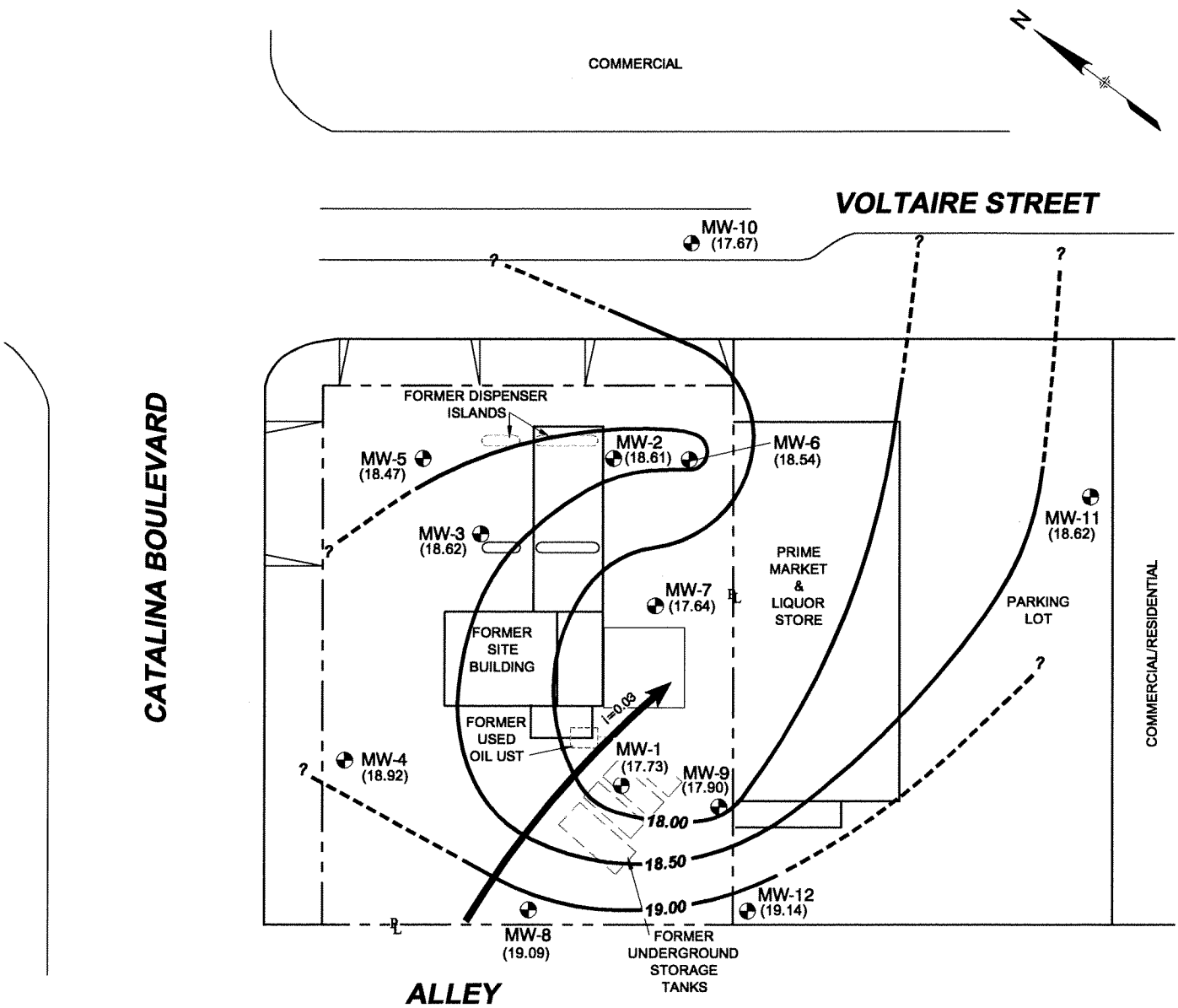
0 40 80

APPROXIMATE SCALE IN FEET

SECOR
2655 CAMINO DEL RIO NORTH, SUITE 302
SAN DIEGO, CALIFORNIA
PHONE: (619) 296-6195/296-6199 (FAX)

FOR:			FIGURE:
FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA		HYDROCARBON CONSTITUENTS DISTRIBUTION MAP MARCH 1, 2005	3
JOB NUMBER: 08CH.41834.05	DRAWN BY: RO/ARA	CHECKED BY: KN	APPROVED BY:	DATE: 4/21/05

FILEPATH:Q:\CADD-08\PROJECTS 2005\CHEVRONTEXACO\9-1834-2K5\9-1834HCM3-05.DWG|PDODGE|AUG 03, 2005 AT 13:23|LAYOUT: MODEL



LEGEND:

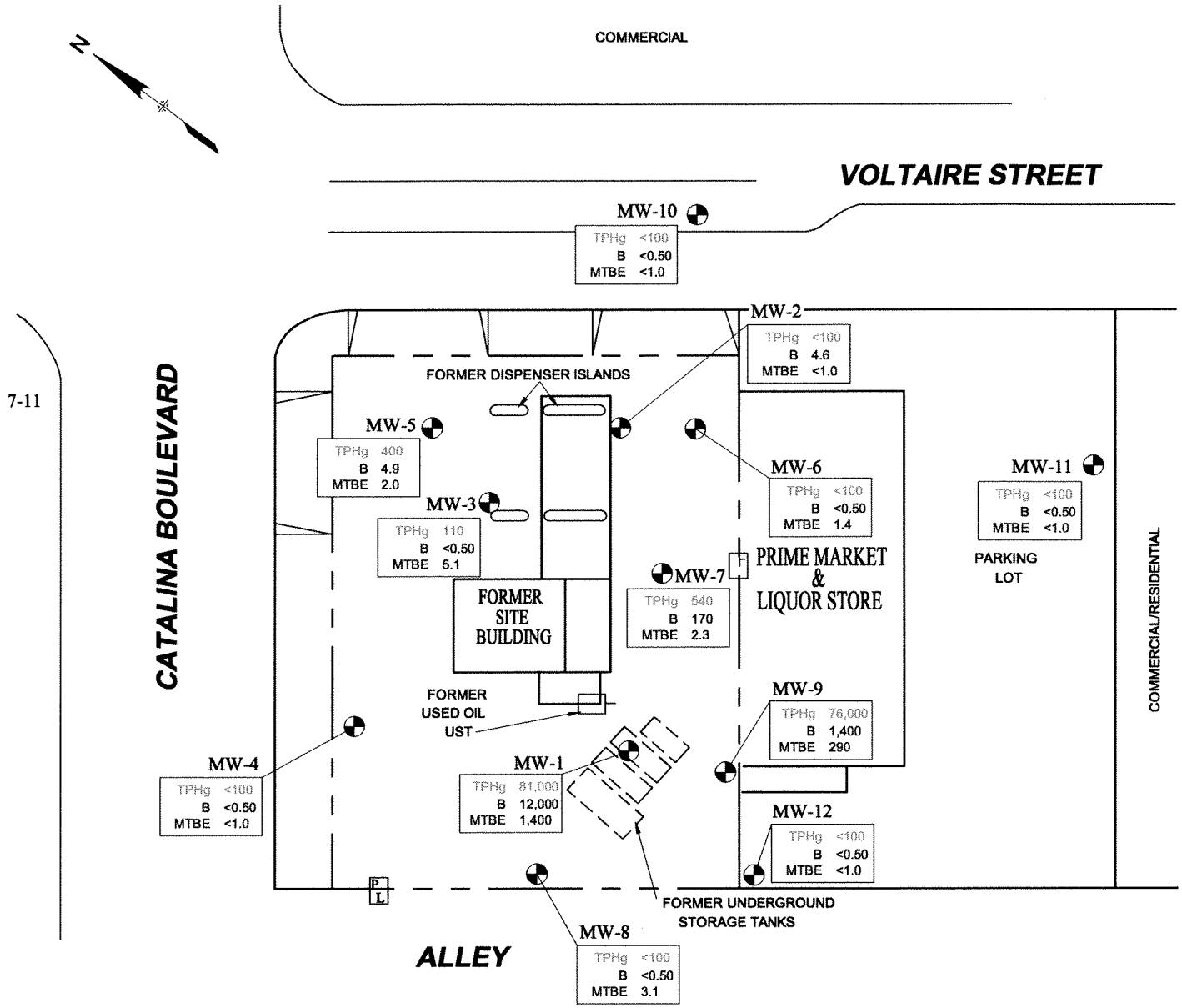
MW-3 ⊕	MONITORING WELL LOCATION AND IDENTIFICATION.
(18.47)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL)
?- - -18.00 —	ESTIMATED GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MSL. DASHED WHERE INFERRED. QUERIED WHERE UNKNOWN.
i=0.03	APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND HYDRAULIC GRADIENT (i)

0 40 80

APPROXIMATE SCALE IN FEET

SECOR 2655 CAMINO DEL RIO NORTH, SUITE 302 SAN DIEGO, CALIFORNIA PHONE: (619) 296-6195/296-6199 (FAX)	FOR: FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA		GROUNDWATER GRADIENT MAP MAY 5, 2005		FIGURE: 4
	JOB NUMBER: 08CH.41834.05	DRAWN BY: PD	CHECKED BY:	APPROVED BY:	DATE: 6/9/05

FILEPATH:Q:\CADD-08\PROJECTS 2005\CHEVRONTEXACO\9-1834-2K5\9-1834GW5-05.DWG|PDODGE|JUN 10, 2005 AT 9:21|LAYOUT: MODEL



LEGEND:

MW-3 MONITORING WELL LOCATION AND IDENTIFICATION.

TPHg <500
B <0.50
MTBE <1.0

ANALYTICAL CONCENTRATIONS IN GROUNDWATER ARE REPORTED IN MICROGRAMS PER LITER (μg/L)

TPHg TOTAL PETROLEUM HYDROCARBONS AS GASOLINE

B BENZENE

MTBE METHYL TERT-BUTYL ETHER

< BELOW LABORATORY REPORTING LIMIT INDICATED

0 40 80

APPROXIMATE SCALE IN FEET

SECOR 2655 CAMINO DEL RIO NORTH, SUITE 302 SAN DIEGO, CALIFORNIA PHONE: (619) 296-6195/296-6199 (FAX)	FOR: FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	HYDROCARBON CONSTITUENTS DISTRIBUTION MAP MAY 5, 2005		FIGURE: 5
	JOB NUMBER: 08CH.41834.05	DRAWN BY: PD	CHECKED BY:	APPROVED BY:	DATE: 6/9/05

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TABLES

Table 1
Summary of First Quarter 2005 Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well Number	Date	DTW (feet)	Groundwater Elevation** (feet)*	LPH Thickness (feet)	TPH-g µg/l (ppb)	Benzene µg/l (ppb)	Toluene µg/l (ppb)	Ethyl-benzene µg/l (ppb)	Total Xylenes µg/l (ppb)	MTBE µg/L (ppb)	DIPE µg/L (ppb)	ETBE µg/L (ppb)	TAME µg/L (ppb)	TBA µg/L (ppb)
MW-1	3/1/2005	52.14	17.45	Sheen	41000	4900	5900	1600	7600	430	<500	<500	<500	<2500
MW-2	3/1/2005	49.76	18.26	--	--	--	--	--	--	--	--	--	--	--
MW-3	3/1/2005	49.68	18.33	--	--	--	--	--	--	--	--	--	--	--
MW-4	3/1/2005	51.23	18.62	--	--	--	--	--	--	--	--	--	--	--
MW-5	3/1/2005	49.17	18.20	--	--	--	--	--	--	--	--	--	--	--
MW-6	3/1/2005	50.28	18.28	--	--	--	--	--	--	--	--	--	--	--
MW-7	3/1/2005	51.20	17.32	--	290	150	1.2	17	7.5	3.9	<5.0	<5.0	<5.0	<25
MW-8	3/1/2005	51.66	18.84	--	--	--	--	--	--	--	--	--	--	--
MW-9	3/1/2005	51.78	17.59	--	40000	1300	6700	1500	9600	220	<500	<500	<500	<2500
MW-10	3/1/2005	50.72	17.35	--	--	--	--	--	--	--	--	--	--	--
MW-11	3/1/2005	51.90	18.30	--	--	--	--	--	--	--	--	--	--	--
MW-12	3/1/2005	52.89	18.76	--	--	--	--	--	--	--	--	--	--	--

Notes: Analyzed by EPA method 8260B.

Definitions: feet* = Feet above mean sea level, ** = Groundwater elevation corrected for LPH if / when present (gasoline density = 0.75 gm/cc), LPH= Liquid Phase Hydrocarbons, Sheen = Discontinuous, non-measurable thickness of LPH, Trace = Continuous, non-measurable thickness of LPH, MTBE = Methyl tert-Butyl Ether, DIPE = Di-isopropyl Ether, ETBE = Ethyl tert-Butyl Ether, TAME = tert-Amyl Methyl Ether, TBA = tert-Butanol, ppb = parts per billion, µg/L = micrograms per liter, -- = Not Measured/Not Sampled, DTW = Depth to Water, DTP = Depth to Product, TPH = Total Petroleum Hydrocarbons.

Table 2
Summary of Second Quarter 2005 Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well Number	Date	DTW (feet)	Groundwater Elevation** (feet)*	LPH Thickness (feet)	TPH-g µg/l (ppb)	Benzene µg/l (ppb)	Toluene µg/l (ppb)	Ethyl-benzene µg/l (ppb)	Total Xylenes µg/l (ppb)	MTBE µg/L (ppb)	DIPE µg/L (ppb)	ETBE µg/L (ppb)	TAME µg/L (ppb)	TBA µg/L (ppb)
MW-1	05/05/05	51.86	17.73	--	81000	12000	19000	2100	9600	1400	<1000	<1000	<1000	<5000
MW-2	05/05/05	49.41	18.61	--	<100	4.6	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<25
MW-3	05/05/05	49.39	18.62	--	110	<0.50	<0.50	1.6	<1.5	5.1	<5.0	<5.0	<5.0	<25
MW-4	05/05/05	50.93	18.92	--	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<25
MW-5	05/05/05	48.90	18.47	--	400	4.9	0.55	4.2	2.6	2.0	20	<5.0	<5.0	89
MW-6	05/05/05	50.02	18.54	--	<100	<0.50	<0.50	<0.50	<1.5	1.4	<5.0	<5.0	<5.0	<25
MW-7	05/05/05	50.88	17.64	--	540	170	4.9	37	29	2.3	<10	<10	<10	<50
MW-8	05/05/05	51.41	19.09	--	<100	<0.50	<0.50	<0.50	<1.5	3.1	<5.0	<5.0	<5.0	<25
MW-9	05/05/05	51.47	17.90	--	76000	1400	8000	2200	13000	290	<500	<500	<500	<2500
MW-10	05/05/05	50.40	17.67	--	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<25
MW-11	05/05/05	51.58	18.62	--	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<25
MW-12	05/05/05	52.51	19.14	--	<100	<0.50	<0.50	1.3	3.3	<1.0	<5.0	<5.0	<5.0	<25

Notes: Analyzed by EPA method 8260B.

Definitions: feet* = Feet above mean sea level, ** = Groundwater elevation corrected for LPH if / when present (gasoline density = 0.75 gm/cc), LPH= Liquid Phase Hydrocarbons, Sheen = Discontinuous, non-measurable thickness of LPH, Trace = Continuous, non-measurable thickness of LPH, MTBE = Methyl tert-Butyl Ether, DIPE = Di-isopropyl Ether, ETBE = Ethyl tert-Butyl Ether, TAME = tert-Amyl Methyl Ether, TBA = tert-Butanol, ppb = parts per billion, µg/L = micrograms per liter, -- = Not Measured/Not Sampled, DTW = Depth to Water, DTP = Depth to Product, TPH = Total Petroleum Hydrocarbons.

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-1	3/5/97	51.86	47.86	17.73	--	5600	740	2000	210	1400	ND	--	--	--	--	--
99.72	5/16/97	51.83	47.89	17.76	--	14000	1900	4900	360	2600	--	--	--	--	--	--
	9/29/97	52.02	47.70	17.57	--	100000	13000	32000	2500	17000	ND	--	--	--	--	--
	11/12/97	52.01	47.71	17.58	--	100000	13000	20000	2400	15000	ND	--	--	--	--	--
	1/22/98	52.03	47.69	17.56	--	100000	12000	30000	2300	14000	ND	--	--	--	--	--
	4/8/98	51.82	47.90	17.77	--	120000	15000	32000	2300	15000	ND	--	--	--	--	--
	8/27/98	51.96	47.76	17.63	--	130000	18000	41000	3200	19000	ND	--	--	--	--	--
	10/13/98	51.69	48.03	17.90	--	47000	6000	13000	970	5200	ND	--	--	--	--	--
	1/25/99	51.64	48.08	17.95	--	120000	16000	41000	3200	19000	ND	--	--	--	--	--
	2/19/99	51.58	48.14	18.01	--	150000	14000	34000	2800	17000	1800	--	--	--	--	--
	4/26/99	51.51	48.21	18.08	--	140000	18000	40000	3100	17000	<2000	--	--	--	--	--
	9/24/99	51.70	48.02	17.89	Sheen	--	--	--	--	--	--	--	--	--	--	--
	12/3/99	51.50	48.22	18.09	Sheen	--	--	--	--	--	--	--	--	--	--	--
	3/31/00	52.52	47.20	17.07	Sheen	--	--	--	--	--	--	--	--	--	--	--
	6/14/00	51.54	48.18	18.05	Sheen	--	--	--	--	--	--	--	--	--	--	--
	9/15/00	51.66	48.06	17.93	Sheen	--	--	--	--	--	--	--	--	--	--	--
	11/15/00	51.67	48.06	17.93	0.01	--	--	--	--	--	--	--	--	--	--	--
	3/30/01	51.39	48.33	18.20	Sheen	--	--	--	--	--	--	--	--	--	--	--
	6/14/01	51.35	48.40	18.27	0.04	--	--	--	--	--	--	--	--	--	--	--
	8/20/01	51.33	48.42	18.29	0.04	130000	11000	36000	3900	26000	--	<1000	<2000	<2000	<2000	<25000
	12/10/01	51.26	48.50	18.37	0.05	--	--	--	--	--	--	--	--	--	--	--
	1/23/02	51.41	48.37	18.24	0.08	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	51.27	48.49	18.36	0.05	--	--	--	--	--	--	--	--	--	--	--
69.59	7/11/02	51.28	18.34	--	0.04	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	51.21	18.39	--	0.01	--	--	--	--	--	--	--	--	--	--	--
	1/10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	52.40	17.19	--	--	86000	6300	20000	2100	19000	--	<400	<800	<800	<800	<10000
	8/11/03	51.80	17.79	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	52.70	16.89	--	--	82000	11000	22000	2000	17000	--	470	<2000	<2000	<2000	<10000
	02/05/04	52.75	16.84	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	5/10/04	52.66	16.93	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	8/11/04	52.71	16.88	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	52.71	16.88	--	Sheen	62000	3100	10000	2000	11000	--	<100	<500	<500	<500	<2500
	3/1/05	52.14	17.45	--	Sheen	41000	4900	5900	1600	7600	--	430	<500	<500	<500	<2500
	5/5/05	51.86	17.73	--	--	81000	12000	19000	2100	9600	--	1400	<1000	<1000	<1000	<5000
MW-2	3/5/97	50.75	47.41	17.27	--	14000	490	ND	ND	ND	ND	--	--	--	--	--
98.16	5/16/97	50.70	47.46	17.32	--	1500	330	6.6	ND	27	--	--	--	--	--	--
	9/29/97	50.96	47.20	17.06	--	2600	620	ND	7.7	31	ND	--	--	--	--	--
	11/12/97	50.91	47.25	17.11	--	2300	200	ND	5.7	22	ND	--	--	--	--	--
	1/22/98	50.98	47.18	17.04	--	1000	220	ND	ND	8.2	ND	--	--	--	--	--

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-2	4/8/98	50.75	47.41	17.27	--	580	60	ND	1.0	3.8	ND	--	--	--	--	--
continued	8/27/98	50.90	47.26	17.12	--	ND	9.1	0.75	2.2	4.6	16	--	--	--	--	--
	10/13/98	50.61	47.55	17.41	--	ND	8.7	0.62	ND	ND	ND	--	--	--	--	--
	1/25/99	50.52	47.64	17.50	--	ND	2.3	0.80	0.80	1.6	ND	--	--	--	--	--
	2/19/99	50.60	47.56	17.42	--	690	10	1.9	2.5	12	<10	--	--	--	--	--
	4/26/99	50.47	47.69	17.55	--	570	9.8	<0.50	1.5	4.5	<10	--	--	--	--	--
	9/24/99	50.58	47.58	17.44	--	<500	9.4	<0.50	<0.50	3.9	<10	--	--	--	--	--
	12/3/99	50.58	47.58	17.44	--	<500	3.4	1.4	2.2	4.2	<10	--	--	--	--	--
	3/31/00	50.49	47.67	17.53	--	530	9.3	2.0	<0.50	6.9	1.9	--	--	--	--	--
	6/14/00	50.52	47.64	17.50	--	<500	7.1	<0.50	<0.50	3.6	1.2	--	--	--	--	--
	9/15/00	50.58	47.58	17.44	--	<500	7.4	1.5	<0.50	5.9	--	<1.0	<5.0	<5.0	<5.0	<50
	11/15/00	50.68	47.48	17.34	--	<500	6.6	0.50	<0.50	3.1	--	<1.0	<5.0	<5.0	<5.0	<50
	3/30/01	50.32	47.84	17.70	--	<500	1.2	0.98	<0.50	5.2	--	<1.0	<5.0	<5.0	<5.0	<50
	6/14/01	50.25	47.91	17.77	--	<500	13	<0.50	0.52	2.1	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	50.25	47.91	17.77	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	50.15	48.01	17.87	--	<500	4.8	<0.50	0.73	4.8	--	<1.0	<2.0	<2.0	<2.0	<25
	1/23/02	50.26	47.90	17.76	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	50.15	48.01	17.87	--	<500	3.3	<0.50	2.2	4.4	--	<1.0	<2.0	<2.0	<2.0	<25
68.02	7/11/02	50.17	17.85	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	50.17	17.85	--	--	<500	0.61	<0.50	0.67	3.4	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	50.10	17.92	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	50.00	18.02	--	--	<500	<0.50	<0.50	<0.50	1.6	--	<1.0	<2.0	<2.0	<2.0	<25
	8/11/03	49.80	18.22	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	50.30	17.72	--	--	<500	2.7	<0.50	0.79	<1.5	--	<1.0	<5.0	<5.0	<5.0	35
	02/05/04	50.41	17.61	--	--	<500	0.88	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	50.28	17.74	--	--	<100	0.89	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/11/04	50.38	17.64	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	50.35	17.67	--	--	100	1.2	<0.50	<0.50	<1.5	--	1.2	<5.0	<5.0	<5.0	<25
	3/1/05	49.76	18.26	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	49.41	18.61	--	--	<100	4.6	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-3	3/5/97	50.90	47.27	17.11	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
98.17	5/16/97	50.65	47.52	17.36	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
	9/29/97	50.92	47.25	17.09	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	11/12/97	51.05	47.12	16.96	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	1/22/98	50.92	47.25	17.09	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	4/8/98	50.69	47.48	17.32	--	ND	1.0	ND	ND	ND	ND	--	--	--	--	--
	8/27/98	50.83	47.34	17.18	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	10/13/98	50.48	47.69	17.53	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	1/25/99	50.55	47.62	17.46	--	ND	ND	1.5	ND	ND	ND	--	--	--	--	--
	2/19/99	50.46	47.71	17.55	--	<500	<0.50	2.1	<0.50	<1.5	<10	--	--	--	--	--

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-3	4/26/99	50.39	47.78	17.62	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
continued	9/24/99	50.58	47.59	17.43	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	12/3/99	50.47	47.70	17.54	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	3/31/00	50.44	47.73	17.57	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	6/14/00	50.47	47.70	17.54	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	9/15/00	50.55	47.62	17.46	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	11/15/00	50.52	47.65	17.49	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	3/30/01	50.32	47.85	17.69	--	<500	<0.50	<0.50	<0.50	<1.5	1.4	--	--	--	--	--
	6/14/01	50.23	47.94	17.78	--	<500	<0.50	<0.50	<0.50	<1.5	--	3.5	<5.0	<5.0	<5.0	<50
	8/20/01	50.21	47.96	17.80	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	50.22	47.95	17.79	--	<500	<0.50	<0.50	<0.50	<1.5	--	5.9	<2.0	<2.0	<2.0	<25
	1/23/02	50.16	48.01	17.85	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	50.11	48.06	17.90	--	<500	<0.50	<0.50	<0.50	<1.5	--	9.6	<2.0	<2.0	<2.0	<25
68.01	7/11/02	50.13	17.88	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	50.11	17.90	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	19	<2.0	<2.0	<2.0	<25
	1/10/03	50.04	17.97	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	50.00	18.01	--	--	<500	<0.50	0.51	<0.50	<1.5	--	26	<2.0	<2.0	<2.0	<25
	8/11/03	50.15	17.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	50.17	17.84	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	16	<5.0	<5.0	<5.0	<25
	02/05/04	50.34	17.67	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	8.2	<5.0	<5.0	<5.0	<25
	5/10/04	50.25	17.76	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	29	<5.0	<5.0	<5.0	<25
	8/11/04	50.33	17.68	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	50.34	17.67	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	16	<5.0	<5.0	<5.0	<25
	3/1/05	49.68	18.33	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	49.39	18.62	--	--	110	<0.50	<0.50	1.6	<1.5	--	5.1	<5.0	<5.0	<5.0	<25
MW-4	5/16/97	52.19	47.81	17.66	--	ND	ND	ND	ND	ND	--	--	--	--	--	--
100.00	9/29/97	52.37	47.63	17.48	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	11/12/97	52.36	47.64	17.49	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	1/22/98	52.42	47.58	17.43	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	4/8/98	52.18	47.82	17.67	--	ND	0.74	ND	ND	ND	ND	--	--	--	--	--
	8/27/98	52.32	47.68	17.53	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	10/13/98	51.98	48.02	17.87	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	1/25/99	51.97	48.03	17.88	--	ND	ND	0.56	ND	ND	ND	--	--	--	--	--
	2/19/99	51.94	48.06	17.91	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	4/26/99	51.89	48.11	17.96	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	9/24/99	52.01	47.99	17.84	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	12/3/99	51.93	48.07	17.92	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	3/31/00	51.92	48.08	17.93	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	6/14/00	51.93	48.07	17.92	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	9/15/00	52.01	47.99	17.84	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-4	11/15/00	52.04	47.96	17.81	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
continued	3/30/01	51.79	48.21	18.06	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	6/14/01	51.73	48.27	18.12	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	51.71	48.29	18.14	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	51.61	48.39	18.24	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/23/02	51.71	48.29	18.14	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	51.63	48.37	18.22	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
69.85	7/11/02	51.66	18.19	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	51.59	18.26	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	51.58	18.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	51.55	18.30	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	8/11/03	51.62	18.23	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	51.61	18.24	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	02/05/04	51.80	18.05	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	51.76	18.09	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/11/04	51.84	18.01	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	51.85	18.00	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	3/1/05	51.23	18.62	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	50.93	18.92	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-5	5/16/97	50.25	47.29	17.12	--	ND	0.94	ND	ND	1.5	--	--	--	--	--	--
97.54	9/29/97	50.44	47.10	16.93	--	700	17	8.7	7.2	23	ND	--	--	--	--	--
	11/12/97	50.43	47.11	16.94	--	610	7.0	1.1	4.0	9.6	ND	--	--	--	--	--
	1/22/98	50.47	47.07	16.90	--	540	6.1	2.2	4.4	4.6	ND	--	--	--	--	--
	4/8/98	50.25	47.29	17.12	--	ND	6.5	1.0	0.77	2.9	ND	--	--	--	--	--
	8/27/98	50.39	47.15	16.98	--	1100	31	6.6	9.8	20	34	--	--	--	--	--
	10/13/98	50.08	47.46	17.29	--	810	11	1.9	0.83	5.3	ND	--	--	--	--	--
	1/25/99	50.05	47.49	17.32	--	570	4.5	0.71	2.1	9.0	ND	--	--	--	--	--
	2/19/99	50.08	47.46	17.29	--	<500	5.1	2.1	<0.50	5.6	<10	--	--	--	--	--
	4/26/99	50.01	47.53	17.36	--	<500	11	1.4	5.0	9.8	25	--	--	--	--	--
	9/24/99	50.14	47.40	17.23	--	590	11	2.4	<0.50	8.9	<10	--	--	--	--	--
	12/3/99	50.09	47.45	17.28	--	<500	6.8	2.0	1.9	7.6	<10	--	--	--	--	--
	3/31/00	50.07	47.47	17.30	--	<500	4.6	<0.50	1.4	4.6	1.7	--	--	--	--	--
	6/14/00	50.08	47.46	17.29	--	<500	6.4	0.84	3.0	10	1.7	--	--	--	--	--
	9/15/00	50.16	47.38	17.21	--	<500	6.6	1.7	2.8	13	--	<1.0	14	<5.0	<5.0	67
	11/15/00	50.26	47.28	17.11	--	510	13	3.0	1.9	7.6	--	<1.0	9.4	<5.0	<5.0	63
	3/30/01	49.93	47.61	17.44	--	<500	9.6	2.6	2.2	11	--	<1.0	13	<5.0	<5.0	90
	6/14/01	49.85	47.69	17.52	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	5.9	<5.0	<5.0	<50
	8/20/01	49.83	47.71	17.54	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	49.74	47.80	17.63	--	<500	2.5	0.58	0.51	2.1	--	<1.0	5.3	<2.0	<2.0	38

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-5	1/23/02	49.85	47.69	17.52	--	--	--	--	--	--	--	--	--	--	--	--
continued	4/12/02	49.74	47.80	17.63	--	<500	1.5	<0.50	<0.50	<1.5	--	2.6	3.5	<2.0	<2.0	32
67.37	7/11/02	49.77	17.60	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	49.74	17.63	--	--	<500	5.3	1.2	1.4	3.9	--	11	4.7	<2.0	<2.0	33
	1/10/03	49.71	17.66	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	49.70	17.67	--	--	<500	0.75	<0.50	<0.50	<1.5	--	25	6.1	<2.0	<2.0	29
	8/11/03	50.10	17.27	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	49.72	17.65	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	18	<5.0	<5.0	<5.0	30
	02/05/04	49.95	17.42	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	17	<5.0	<5.0	<5.0	30
	5/10/04	49.88	17.49	--	--	220	<0.50	<0.50	<0.50	<1.5	--	18	5.5	<5.0	<5.0	37
	8/11/04	49.94	17.43	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	49.92	17.45	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	7.5	<5.0	<5.0	<5.0	<25
	3/1/05	49.17	18.20	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	48.9	18.47	--	--	400	4.9	0.55	4.2	2.6	--	2.0	20	<5.0	<5.0	89
MW-6	5/16/97	51.18	47.55	17.38	--	ND	0.70	ND	ND	ND	--	--	--	--	--	--
98.73	9/29/97	51.48	47.25	17.08	--	ND	1.6	ND	ND	ND	ND	--	--	--	--	--
	11/12/97	51.47	47.26	17.09	--	ND	5.5	ND	2.1	4.8	ND	--	--	--	--	--
	1/22/98	51.49	47.24	17.07	--	1200	240	ND	ND	8.0	ND	--	--	--	--	--
	4/8/98	51.30	47.43	17.26	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	8/27/98	51.47	47.26	17.09	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	10/13/98	51.14	47.59	17.42	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
	1/25/99	51.04	47.69	17.52	--	ND	ND	1.6	ND	ND	ND	--	--	--	--	--
	2/19/99	51.04	47.69	17.52	--	<500	0.56	10	<0.50	<1.5	<10	--	--	--	--	--
	4/26/99	50.98	47.75	17.58	--	<500	0.52	1.0	<0.50	<1.5	<10	--	--	--	--	--
	9/24/99	51.14	47.59	17.42	--	<500	0.83	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	12/3/99	51.11	47.62	17.45	--	<500	0.66	0.69	<0.50	<1.5	<10	--	--	--	--	--
	3/31/00	51.04	47.69	17.52	--	<500	0.65	<0.50	<0.50	<1.5	2.4	--	--	--	--	--
	6/14/00	51.05	47.68	17.51	--	<500	0.86	0.89	<0.50	<1.5	2.5	--	--	--	--	--
	9/15/00	51.09	47.64	17.47	--	<500	1.2	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	11/15/00	51.18	47.55	17.38	--	<500	0.70	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	3/30/01	50.88	47.85	17.68	--	<500	1.4	<0.50	3.0	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	6/14/01	50.85	47.88	17.71	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	50.77	47.96	17.79	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	50.70	48.03	17.86	--	<500	0.84	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/23/02	50.79	47.94	17.77	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	50.70	48.03	17.86	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
68.56	7/11/02	50.70	17.86	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	50.71	17.85	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	50.63	17.93	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	50.60	17.96	--	--	<500	<0.50	1.10	<0.50	1.5	--	<1.0	<2.0	<2.0	<2.0	<25

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-6	8/11/03	50.60	17.96	--	--	--	--	--	--	--	--	--	--	--	--	--
continued	11/25/03	50.81	17.75	--	--	<500	<0.50	<0.50	0.77	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	02/05/04	50.96	17.60	--	--	<500	1.1	<0.50	4.4	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	50.84	17.72	--	--	<100	2.2	<0.50	3.8	<1.5	--	1.4	<5.0	<5.0	<5.0	<25
	8/11/04	50.91	17.65	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	50.82	17.74	--	--	<100	<0.50	0.54	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	3/1/05	50.28	18.28	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	50.02	18.54	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	1.4	<5.0	<5.0	<5.0	<25
MW-7	5/16/97	50.94	47.74	17.58	--	2100	1000	ND	77	190	--	--	--	--	--	--
98.68	9/29/97	51.11	47.57	17.41	--	3700	1800	16	120	140	ND	--	--	--	--	--
	11/12/97	51.19	47.49	17.33	--	5500	1900	ND	160	170	11	--	--	--	--	--
	1/22/98	51.23	47.45	17.29	--	6400	2900	41	170	110	ND	--	--	--	--	--
	4/8/98	51.01	47.67	17.51	--	7400	2400	24	140	82	ND	--	--	--	--	--
	8/27/98	51.13	47.55	17.39	--	4100	1200	17	110	46	ND	--	--	--	--	--
	10/13/98	50.85	47.83	17.67	--	1800	750	ND	30	33	ND	--	--	--	--	--
	1/25/99	50.83	47.85	17.69	--	2200	680	21	72	57	ND	--	--	--	--	--
	2/19/99	50.74	47.94	17.78	--	3100	1100	18	58	25	<400	--	--	--	--	--
	4/26/99	50.69	47.99	17.83	--	5700	1500	26	68	55	<400	--	--	--	--	--
	9/24/99	50.88	47.80	17.64	--	2900	1100	<12	51	32	<400	--	--	--	--	--
	12/3/99	50.76	47.92	17.76	--	2400	760	16	46	22	13	--	--	--	--	--
	3/31/00	50.72	47.96	17.80	--	2500	890	<10	36	<30	53	--	--	--	--	--
	6/14/00	50.75	47.93	17.77	--	1700	720	<10	23	<30	33	--	--	--	--	--
	9/15/00	50.87	47.81	17.65	--	1500	470	11	24	41	--	<2.0	10	<10	<10	110
	11/15/00	50.90	47.78	17.62	--	1300	470	7.5	19	23	--	<1.0	8.1	<5.0	<5.0	110
	3/30/01	50.59	48.09	17.93	--	1300	310	<5.0	8.2	<15	--	<1.0	6.1	<5.0	<5.0	88
	6/14/01	50.55	48.13	17.97	--	1100	360	<5.0	7.0	<15	--	<1.0	<5.0	<5.0	<5.0	65
	8/20/01	50.48	48.20	18.04	--	570	160	<2.5	42	12	--	3.3	2.4	<2.0	<2.0	41
	12/10/01	50.41	48.27	18.11	--	970	130	2.2	120	<6.0	--	<1.0	3.8	<2.0	<2.0	62
	1/23/02	50.50	48.18	18.02	--	950	72	<5.0	130	<15	--	<1.0	2.7	<2.0	<2.0	52
	4/12/02	50.39	48.29	18.13	--	900	68	<5.0	140	<15	--	<1.0	2.5	<2.0	<2.0	47
68.52	7/11/02	50.40	18.12	--	--	850	150	<2.5	120	9.4	--	1.6	3.5	<2.0	<2.0	52
	10/16/02	50.42	18.10	--	--	830	180	<5.0	86	<15	--	3.0	2.9	<2.0	<2.0	52
	1/10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	51.50	17.02	--	--	<500	14	2.1	13	2.1	--	1.4	<2.0	<2.0	<2.0	<25
	8/11/03	51.60	16.92	--	--	<500	39	1.3	26	4.4	--	1.2	<2.0	<2.0	<2.0	<25
	11/25/03	51.62	16.90	--	--	<500	51	1.4	9.6	3.9	--	1.8	<5.0	<5.0	<5.0	65
	02/05/04	51.76	16.76	--	--	<500	47	1.4	3.4	5.8	--	2.0	<5.0	<5.0	<5.0	86
	5/10/04	51.68	16.84	--	--	870	350	10	27	63	--	4.7	<20	<20	<20	<100
	8/11/04	51.75	16.77	--	--	1400	280	8.6	53	42	--	<4.0	<20	<20	<20	<100
	11/5/04	51.63	16.89	--	--	770	160	3.9	32	19	--	6.3	<10	<10	<10	<50
	3/1/05	51.2	17.32	--	--	290	150	1.2	17	7.5	--	3.9	<5.0	<5.0	<5.0	<25
	5/5/05	50.88	17.64	--	--	540	170	4.9	37	29	--	2.3	<10	<10	<10	<50
MW-8	5/16/97	52.38	48.24	18.12	--	ND	0.81	ND	ND	ND	--	--	--	--	--	--
100.62	9/29/97	52.79	47.83	17.71	--	510	43	ND	18	3.9	24	--	--	--	--	--

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-8	11/12/97	52.78	47.84	17.72	--	ND	37	0.80	11	1.7	ND	--	--	--	--	--
continued	1/22/98	52.81	47.81	17.69	--	270	15	0.50	3.0	ND	10	--	--	--	--	--
	4/8/98	52.61	48.01	17.89	--	600	30	0.60	6.8	ND	33	--	--	--	--	--
	8/27/98	52.76	47.86	17.74	--	ND	17	ND	3.0	ND	54	--	--	--	--	--
	10/13/98	52.44	48.18	18.06	--	ND	9.8	ND	1.5	ND	23	--	--	--	--	--
	1/25/99	52.41	48.21	18.09	--	ND	8.7	ND	1.4	ND	46	--	--	--	--	--
	2/19/99	52.33	48.29	18.17	--	<500	16	40	4.1	20	26	--	--	--	--	--
	4/26/99	52.29	48.33	18.21	--	<500	1.4	3.4	<0.50	<1.5	33	--	--	--	--	--
	9/24/99	52.42	48.20	18.08	--	<500	3.3	<0.50	<0.50	<1.5	70	--	--	--	--	--
	12/3/99	52.39	48.23	18.11	--	<500	2.7	1.6	2.6	<1.5	31	--	--	--	--	--
	3/31/00	52.33	48.29	18.17	--	<500	2.4	<0.50	0.58	3.3	160	--	--	--	--	--
	6/14/00	52.33	48.29	18.17	--	<500	<0.50	<0.50	<0.50	<1.5	50	--	--	--	--	--
	9/15/00	52.38	48.24	18.12	--	<500	2.4	<0.50	<0.50	2.3	--	130	<5.0	<5.0	<5.0	77
	11/15/00	52.48	48.14	18.02	--	<500	1.4	0.58	<0.50	<1.5	--	200	<5.0	<5.0	<5.0	100
	3/30/01	52.19	48.43	18.31	--	<500	0.61	<0.50	<0.50	<1.5	--	160	<5.0	<5.0	<5.0	98
	6/14/01	52.16	48.46	18.34	--	<500	0.68	<0.50	<0.50	1.5	--	250	<5.0	<5.0	<5.0	51
	8/20/01	52.09	48.53	18.41	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	52.01	48.61	18.49	--	<500	<0.50	<0.50	<0.50	<1.5	--	73	<2.0	<2.0	<2.0	<25
	1/23/02	52.10	48.52	18.40	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	52.12	48.50	18.38	--	<500	<0.50	<0.50	<0.50	<1.5	--	120	<2.0	<2.0	<2.0	49
70.50	7/11/02	52.02	18.48	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	51.99	18.51	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	38	<2.0	<2.0	<2.0	35
	1/10/03	51.91	18.59	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	51.85	18.65	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	30	<2.0	<2.0	<2.0	<25
	8/11/03	52.00	18.50	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	52.15	18.35	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	16	<5.0	<5.0	<5.0	<25
	02/05/04	52.26	18.24	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	12	<5.0	<5.0	<5.0	<25
	5/10/04	52.18	18.32	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	13	<5.0	<5.0	<5.0	<25
	8/11/04	52.22	18.28	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	52.14	18.36	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	6.5	<5.0	<5.0	<5.0	<25
	3/1/05	51.66	18.84	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	51.41	19.09	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	3.1	<5.0	<5.0	<5.0	<25
MW-9	5/16/97	51.60	47.95	17.77	--	8000	380	2600	260	1900	--	--	--	--	--	--
99.55	9/29/97	51.80	47.75	17.57	--	72000	7300	35000	2600	17000	1400	--	--	--	--	--
	11/12/97	51.79	47.76	17.58	--	63000	4400	17000	1600	10000	ND	--	--	--	--	--
	1/22/98	51.81	47.74	17.56	--	34000	2100	8400	860	5200	ND	--	--	--	--	--
	4/8/98	51.60	47.95	17.77	--	77000	7400	25000	2200	10000	1200	--	--	--	--	--
	8/27/98	51.76	47.79	17.61	--	74000	7500	20000	2600	7900	2500	--	--	--	--	--
	10/13/98	51.45	48.10	17.92	--	30000	2200	8000	860	3400	ND	--	--	--	--	--
	1/25/99	51.39	48.16	17.98	--	80000	5700	28000	3000	13000	ND	--	--	--	--	--

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-9	2/19/99	51.30	48.25	18.07	--	51000	3300	17000	1700	7700	<1000	--	--	--	--	--
continued	4/26/99	51.27	48.28	18.10	--	43000	2500	13000	1300	5000	1500	--	--	--	--	--
	9/24/99	51.43	48.12	17.94	Sheen	--	--	--	--	--	--	--	--	--	--	--
	12/3/99	51.36	48.19	18.01	Sheen	--	--	--	--	--	--	--	--	--	--	--
	3/31/00	51.31	48.24	18.06	Sheen	--	--	--	--	--	--	--	--	--	--	--
	6/14/00	51.33	48.22	18.04	Sheen	--	--	--	--	--	--	--	--	--	--	--
	9/15/00	51.44	48.11	17.93	Sheen	--	--	--	--	--	--	--	--	--	--	--
	11/15/00	51.44	48.11	17.93	Sheen	--	--	--	--	--	--	--	--	--	--	--
	3/30/01	51.19	48.36	18.18	Sheen	--	--	--	--	--	--	--	--	--	--	--
	6/14/01	51.16	48.39	18.21	0.01	--	--	--	--	--	--	--	--	--	--	--
	8/20/01	51.08	48.47	18.29	Sheen	75000	2900	18000	3200	22000	--	180	<200	<200	<200	<2500
	12/10/01	51.00	48.55	18.37	Sheen	--	--	--	--	--	--	--	--	--	--	--
	1/23/02	51.11	48.44	18.26	Sheen	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	51.01	48.54	18.36	Sheen	--	--	--	--	--	--	--	--	--	--	--
69.37	7/11/02	51.01	18.36	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	50.98	18.39	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	1/10/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	52.01	17.36	--	--	20000	760	2100	1300	6700	--	140	<40	<40	<40	<500
	8/11/03	52.10	17.27	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	52.18	17.19	--	--	47000	1400	5900	2600	13000	--	220	<200	<200	<200	<1000
	02/05/04	52.46	16.91	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	5/10/04	52.27	17.10	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	8/11/04	52.35	17.02	--	Sheen	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	52.34	17.03	--	Sheen	17000	46	<10	1300	1800	--	210	<100	<100	<100	530
	3/1/05	51.78	17.59	--	--	40000	1300	6700	1500	9600	--	220	<500	<500	<500	<2500
	5/5/05	51.47	17.90	--	--	76000	1400	8000	2200	13000	--	290	<500	<500	<500	<2500
MW-10	1/25/99	51.44	46.78	16.63	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
98.22	4/26/99	51.41	46.81	16.66	--	<500	<0.50	<0.50	<0.50	<1.5	14	--	--	--	--	--
	9/24/99	51.56	46.66	16.51	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	12/3/99	51.46	46.76	16.61	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	3/31/00	51.45	46.77	16.62	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	6/14/00	51.43	46.79	16.64	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	9/15/00	51.51	46.71	16.56	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	11/15/00	51.54	46.68	16.53	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	3/30/01	51.27	46.95	16.80	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	6/14/01	51.19	47.03	16.88	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	51.18	47.04	16.89	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	51.10	47.12	16.97	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-10	1/23/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
continued	4/12/02	51.08	47.14	16.99	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
68.07	7/11/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	51.04	17.03	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	51.02	17.05	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	51.06	17.01	--	--	<500	<0.50	1.2	<0.50	1.8	--	<1.0	<2.0	<2.0	<2.0	<25
	8/11/03	51.07	17.00	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	51.11	16.96	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	02/05/04	51.30	16.77	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	52.28	15.79	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/11/04	51.28	16.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	51.37	16.70	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	3/1/05	50.72	17.35	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	50.4	17.67	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-11	1/25/99	52.60	47.77	17.60	--	ND	ND	ND	ND	ND	ND	--	--	--	--	--
100.37	4/26/99	52.56	47.81	17.64	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	9/24/99	52.61	47.76	17.59	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	12/3/99	52.56	47.81	17.64	--	<500	<0.50	<0.50	<0.50	<1.5	<10	--	--	--	--	--
	3/31/00	52.51	47.86	17.69	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	6/14/00	52.51	47.86	17.69	--	<500	<0.50	<0.50	<0.50	<1.5	<1.0	--	--	--	--	--
	9/15/00	52.58	47.79	17.62	--	<500	<0.50	<0.50	<0.50	<1.5	1.2	--	--	--	--	--
	11/15/00	52.62	47.75	17.58	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	3/30/01	52.40	47.97	17.80	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	6/14/01	52.30	48.07	17.90	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	52.28	48.09	17.92	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	52.18	48.19	18.02	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/23/02	52.29	48.08	17.91	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
70.20	7/11/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	52.15	18.05	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	52.11	18.09	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	52.10	18.10	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	8/11/03	52.49	17.71	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	52.35	17.85	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	02/05/04	52.46	17.74	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	52.34	17.86	--	--	110	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/11/04	52.41	17.79	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	52.42	17.78	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	3/1/05	51.9	18.30	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	51.58	18.62	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
MW-12	1/25/99	53.57	48.23	18.08	--	27000	230	1600	1200	8700	ND	--	--	--	--	--
101.80	4/26/99	53.49	48.31	18.16	--	10000	200	280	320	1900	<400	--	--	--	--	--
	9/24/99	53.57	48.23	18.08	--	3900	130	64	220	310	150	--	--	--	--	--
	12/3/99	53.52	48.28	18.13	--	1200	52	34	51	140	60	--	--	--	--	--

Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

Well No. and Elevation (feet)*	Date	DTW (feet)	Groundwater Elevation** (feet)*	Corrected Groundwater Elevation ***	LPH Thickness (feet)	TPH-g [1] µg/l (ppb)	Benzene [2] µg/l (ppb)	Toluene [2] µg/l (ppb)	Ethyl-benzene [2] µg/l (ppb)	Total Xylenes [2] µg/l (ppb)	MTBE [3] µg/l (ppb)	MTBE [4] µg/L (ppb)	DIPE [4] µg/L (ppb)	ETBE [4] µg/L (ppb)	TAME [4] µg/L (ppb)	TBA [4] µg/L (ppb)
MW-12	3/31/00	53.51	48.29	18.14	--	2500	130	31	140	57	79	--	--	--	--	--
continued	6/14/00	53.51	48.29	18.14	--	770	52	9.7	41	48	21	--	--	--	--	--
	9/15/00	53.57	48.23	18.08	--	520	37	6.2	25	11	--	<1.0	<5.0	<5.0	<5.0	<50
	11/15/00	53.64	48.16	18.01	--	<500	18	4.5	17	11	--	<1.0	<5.0	<5.0	<5.0	<50
	3/30/01	53.38	48.42	18.27	--	<500	28	4.4	24	9.9	--	<1.0	<5.0	<5.0	<5.0	<50
	6/14/01	53.37	48.43	18.28	--	630	12	3.3	5.8	14	--	<1.0	<5.0	<5.0	<5.0	<50
	8/20/01	53.28	48.52	18.37	--	--	--	--	--	--	--	--	--	--	--	--
	12/10/01	53.18	48.62	18.47	--	<500	7.5	2.4	18	14	--	<1.0	<2.0	<2.0	<2.0	<25
	1/23/02	53.27	48.53	18.38	--	--	--	--	--	--	--	--	--	--	--	--
	4/12/02	53.20	48.60	18.45	--	<500	1.0	<0.50	2.0	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
71.65	7/11/02	53.16	18.49	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/16/02	53.19	18.46	--	--	<500	<0.50	<0.50	1.2	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	1/10/03	53.11	18.54	--	--	--	--	--	--	--	--	--	--	--	--	--
	4/28/03	53.10	18.55	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<2.0	<2.0	<2.0	<25
	8/11/03	53.20	18.45	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/25/03	53.25	18.40	--	--	<500	0.64	<0.50	1.3	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	02/05/04	53.35	18.30	--	--	<500	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	5/10/04	53.30	18.35	--	--	<100	1.5	<0.50	3.3	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	8/11/04	53.34	18.31	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/5/04	53.33	18.32	--	--	<100	<0.50	<0.50	<0.50	<1.5	--	<1.0	<5.0	<5.0	<5.0	<25
	3/1/05	52.89	18.76	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/5/05	52.51	19.14	--	--	<100	<0.50	<0.50	1.3	3.3	--	<1.0	<5.0	<5.0	<5.0	<25

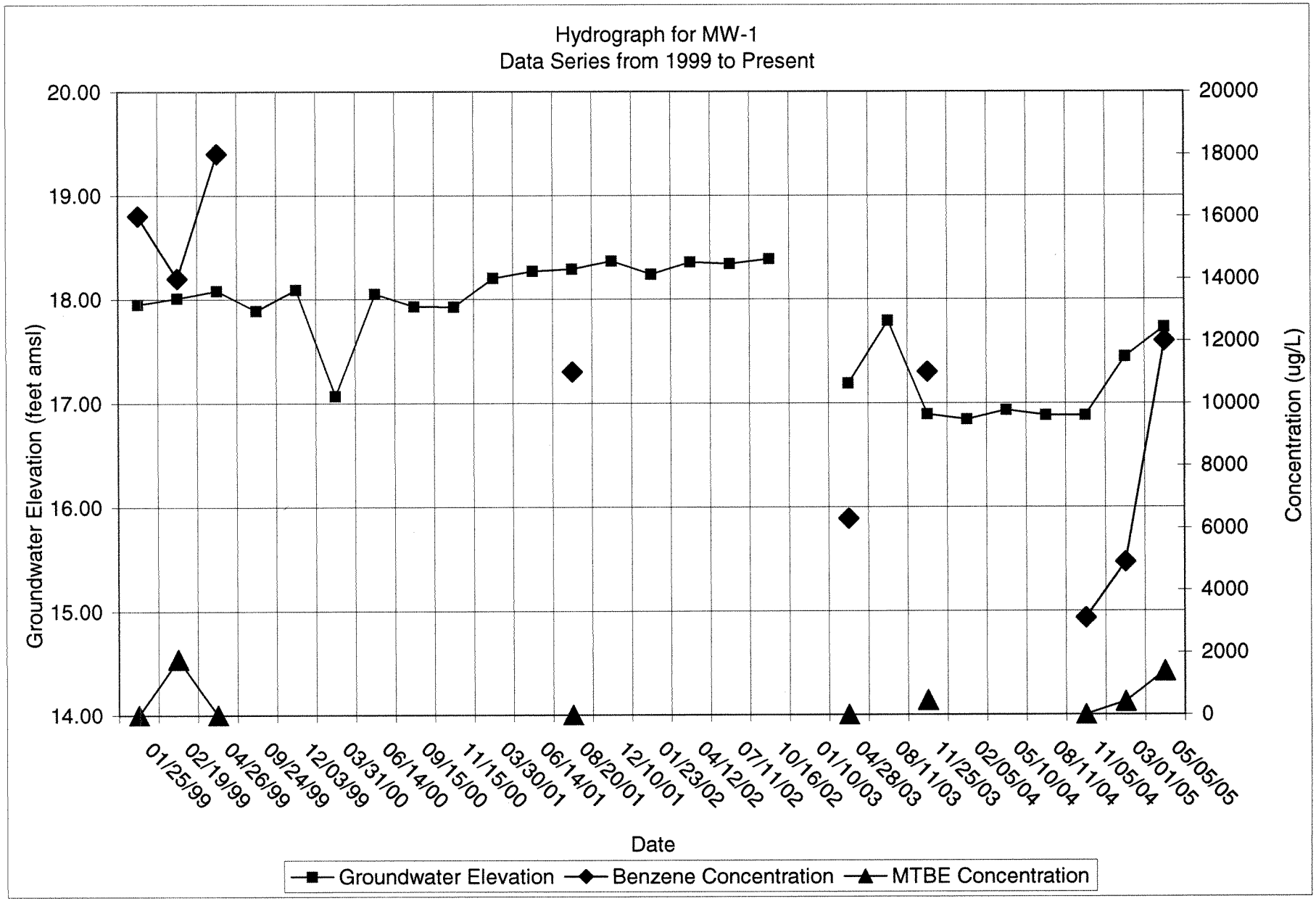
Notes: [1] Historically analyzed by EPA method 8015B. Currently analyzed by EPA method 8260B. [2] Historically analyzed by EPA method 8021B. Currently analyzed by EPA method 8260B.
[3] Analyzed by EPA method 8021B. [4] Analyzed by EPA Method 8260B.
Definitions: feet* = Feet above mean sea level, ** = Groundwater elevation corrected for LPH if / when present (gasoline density = 0.75 gm/cc), LPH= Liquid Phase Hydrocarbons,
Sheen = Discontinuous, non-measurable thickness of LPH, Trace = Continuous, non-measurable thickness of LPH, MTBE = Methyl tert-Butyl Ether, DIPE = Di-isopropyl Ether, ETBE = Ethyl tert-Butyl Ether,
TAME = tert-Amyl Methyl Ether, TBA = tert-Butanol, ppb = parts per billion, µg/L = micrograms per liter, -- = Not Measured/Not Sampled, NA = Not Applicable, ND = Not Detected, DTW = Depth to Water,
DTP = Depth to Product, TPH = Total Petroleum Hydrocarbons. Monitoring and sampling activities conducted by SECOR after 2/1/03. GEIMS Global ID # T0607302116
Prior to 1st Quarter 1999 sampling event, laboratory results below reporting limits were presented as ND.

Table 4
Liquid-Phase Hydrocarbons Gauging and Removal Summary
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

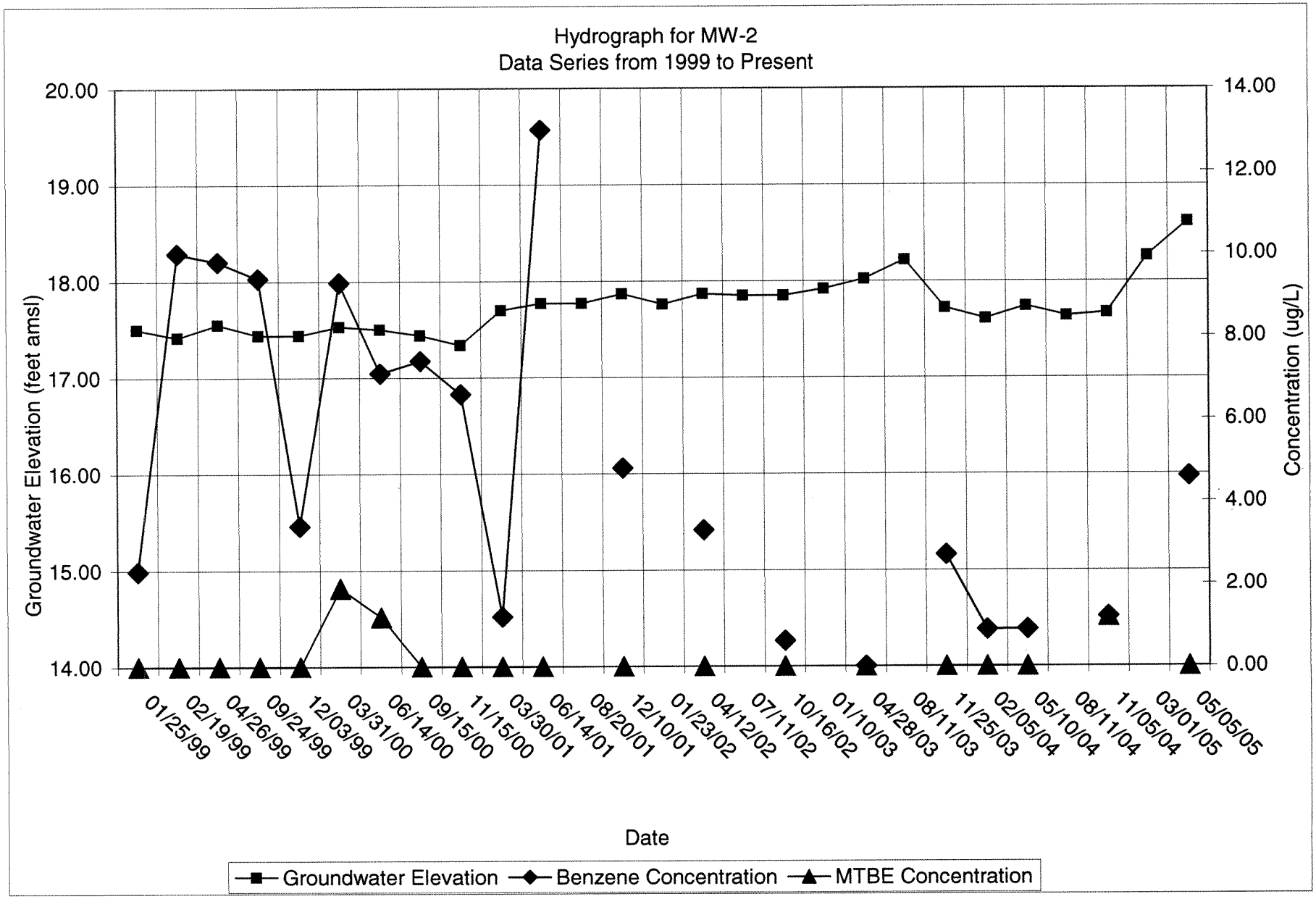
Well No. and Elevation (feet)*	Date	DTP (feet)	DTW (feet)	Groundwater Elevation ** (feet)*	LPH Thickness (feet)	Volume Over-purged (gallons)	Volume LPH Removed (gallons)
MW-1	03/31/00	52.52	52.52	47.20	Sheen	29.5	0.5
99.72	06/14/00	51.54	51.54	48.18	Sheen	29.5	0.5
	09/15/00	51.66	51.66	48.06	Sheen	29.5	0.5
	11/15/00	51.66	51.67	48.06	0.01	29.5	0.5
	03/30/01	51.39	51.39	48.33	Sheen	29.5	0.5
	06/14/01	51.31	51.35	48.40	0.04	29.0	1.0
	08/20/01	51.29	51.33	48.42	0.04	25.0	5.0
	12/10/01	51.21	51.26	48.50	0.05	9.7	0.3
	01/23/02	51.33	51.41	48.37	0.08	29.0	1.0
	04/12/02	51.22	51.27	48.49	0.05	--	0.3
	07/11/02	51.24	51.28	48.47	0.04	--	0.2
	10/16/02	51.20	51.21	48.52	0.01	--	0.1
	01/10/03	--	--	--	--	--	--
	04/28/03	--	--	--	--	--	--
	08/11/03	--	51.80	17.79	Sheen	--	--
	11/25/03	--	52.70	18.40	--	--	--
	02/05/04	--	52.75	16.84	Sheen	--	--
	05/10/04	--	52.66	16.93	Sheen	--	--
MW-9	03/31/00	51.31	51.31	48.24	Sheen	29.5	0.5
99.55	06/14/00	51.33	51.33	48.22	Sheen	29.5	0.5
	09/15/00	51.44	51.44	48.11	Sheen	29.5	0.5
	11/15/00	51.44	51.44	48.11	Sheen	29.5	0.5
	03/30/01	51.19	51.19	48.36	Sheen	29.5	0.5
	06/14/01	51.15	51.16	48.40	0.01	29.5	0.5
	08/20/01	51.08	51.08	48.47	Sheen	24.9	0.2
	12/10/01	51.00	51.00	48.55	Sheen	9.5	0.5
	01/23/02	51.11	51.11	48.44	Sheen	29.0	1.0
	04/12/02	51.01	51.01	48.54	Sheen	--	0.1
	07/11/02	51.01	51.01	48.54	Sheen	--	0.1
	10/16/02	50.98	50.98	48.57	Sheen	--	0.1
	01/10/03	--	--	--	--	--	--
	04/28/03	--	--	--	--	--	--
	08/11/03	--	52.10	17.27	Sheen	--	--
	11/25/03	--	52.18	17.19	--	--	--
	02/05/04	--	52.46	16.91	Sheen	--	--
	05/10/04	--	52.27	17.10	Sheen	--	--
				Total LPH Recovered (gal)			**15.4**

HYDROGRAPHS

Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California



Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California



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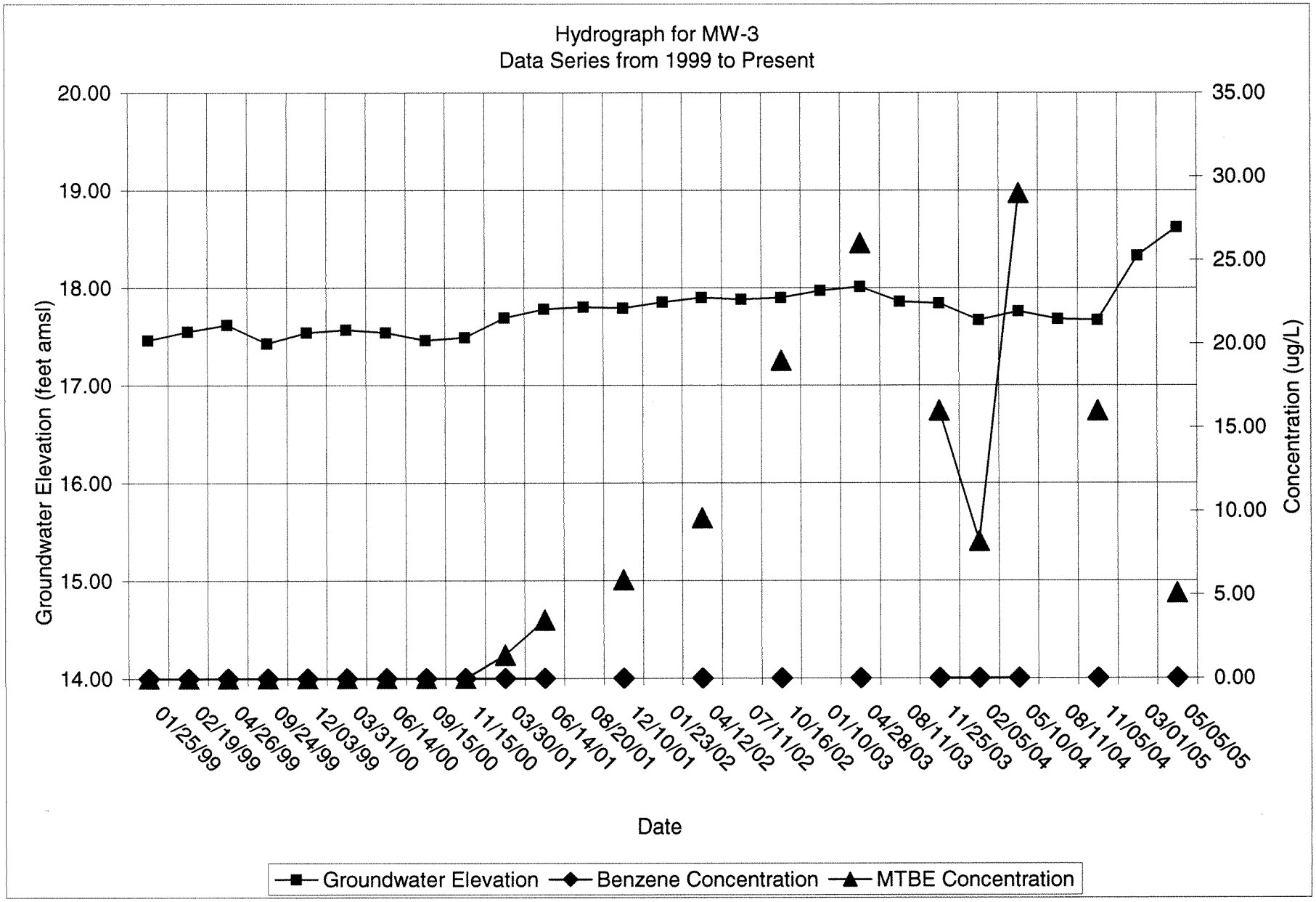
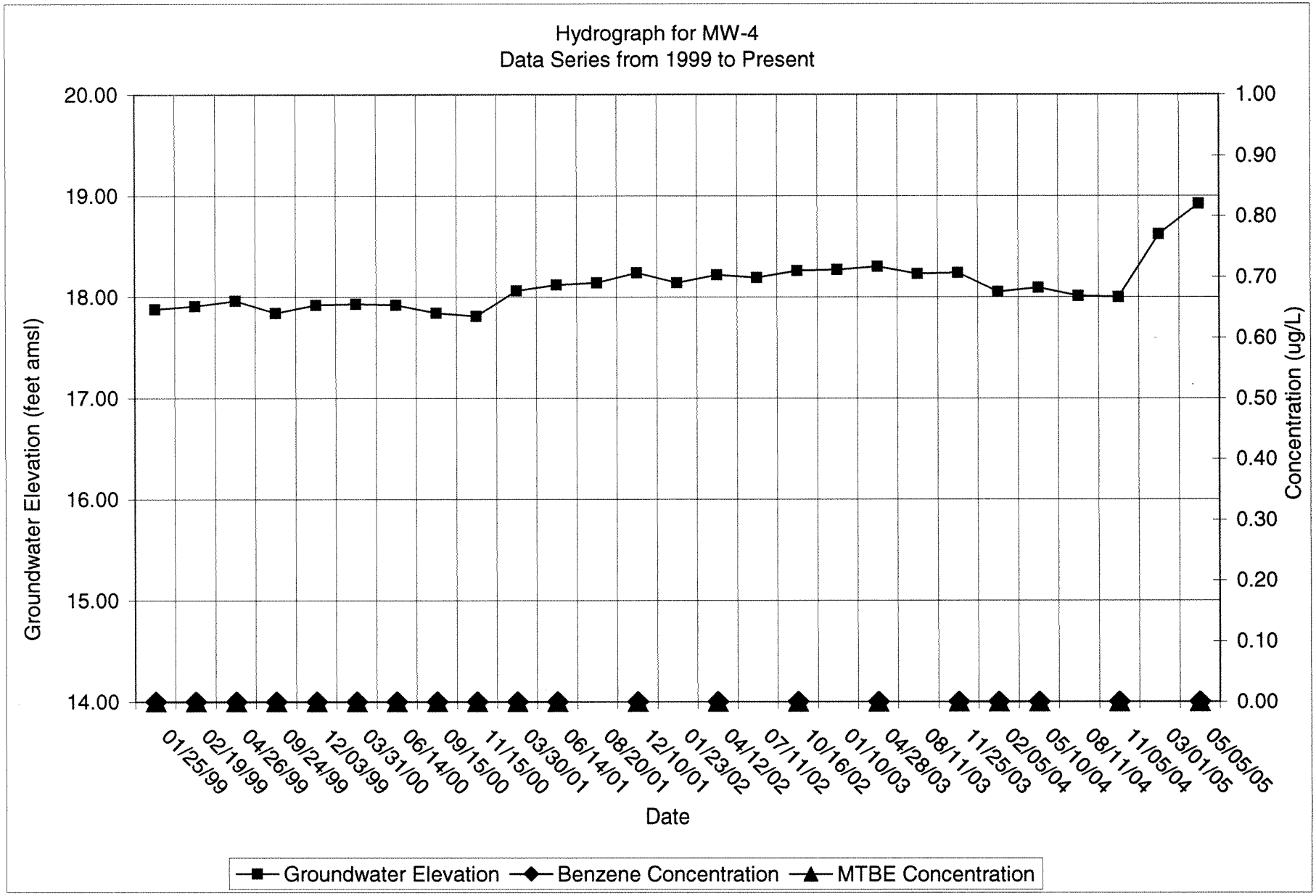
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California



Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California



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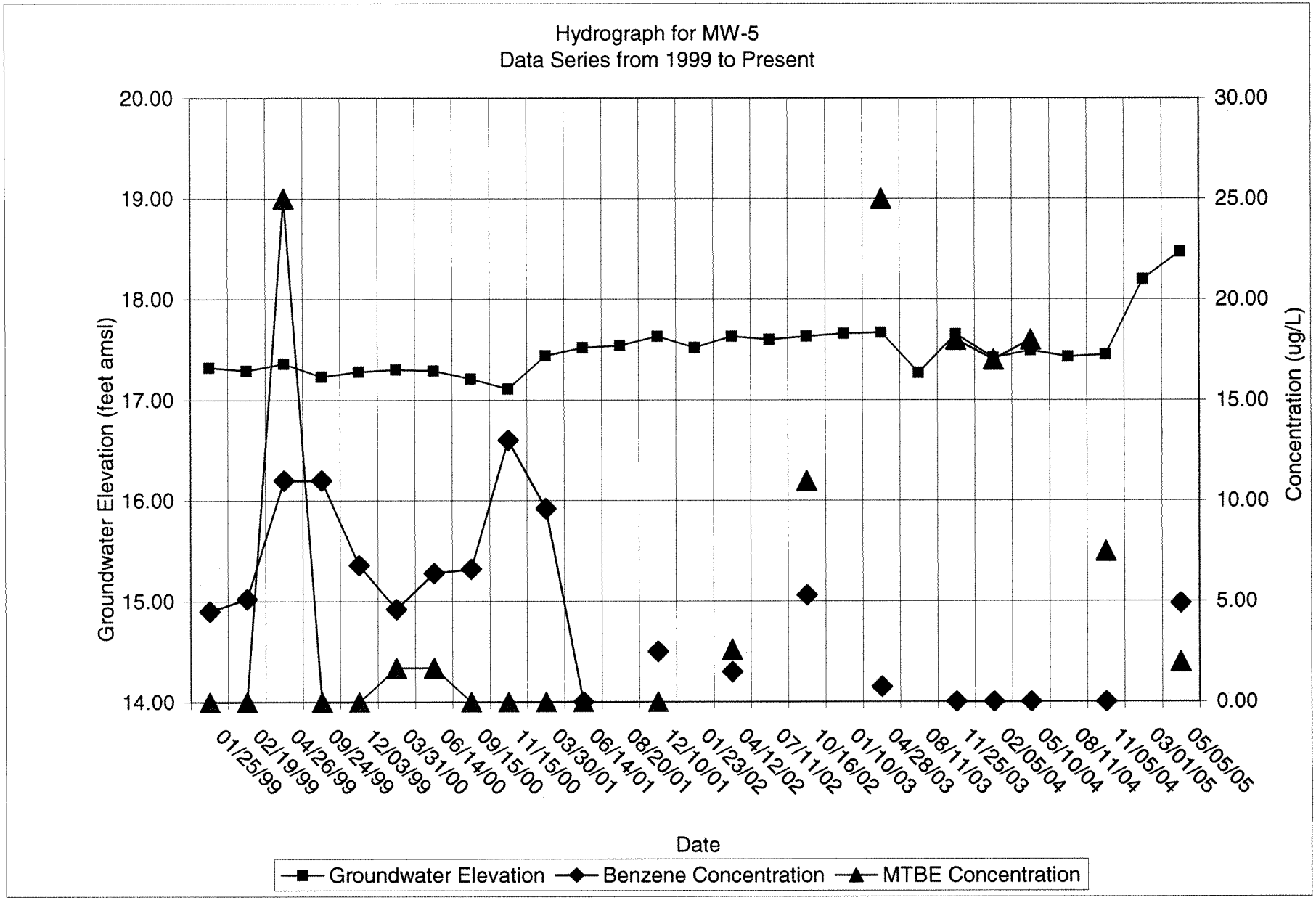
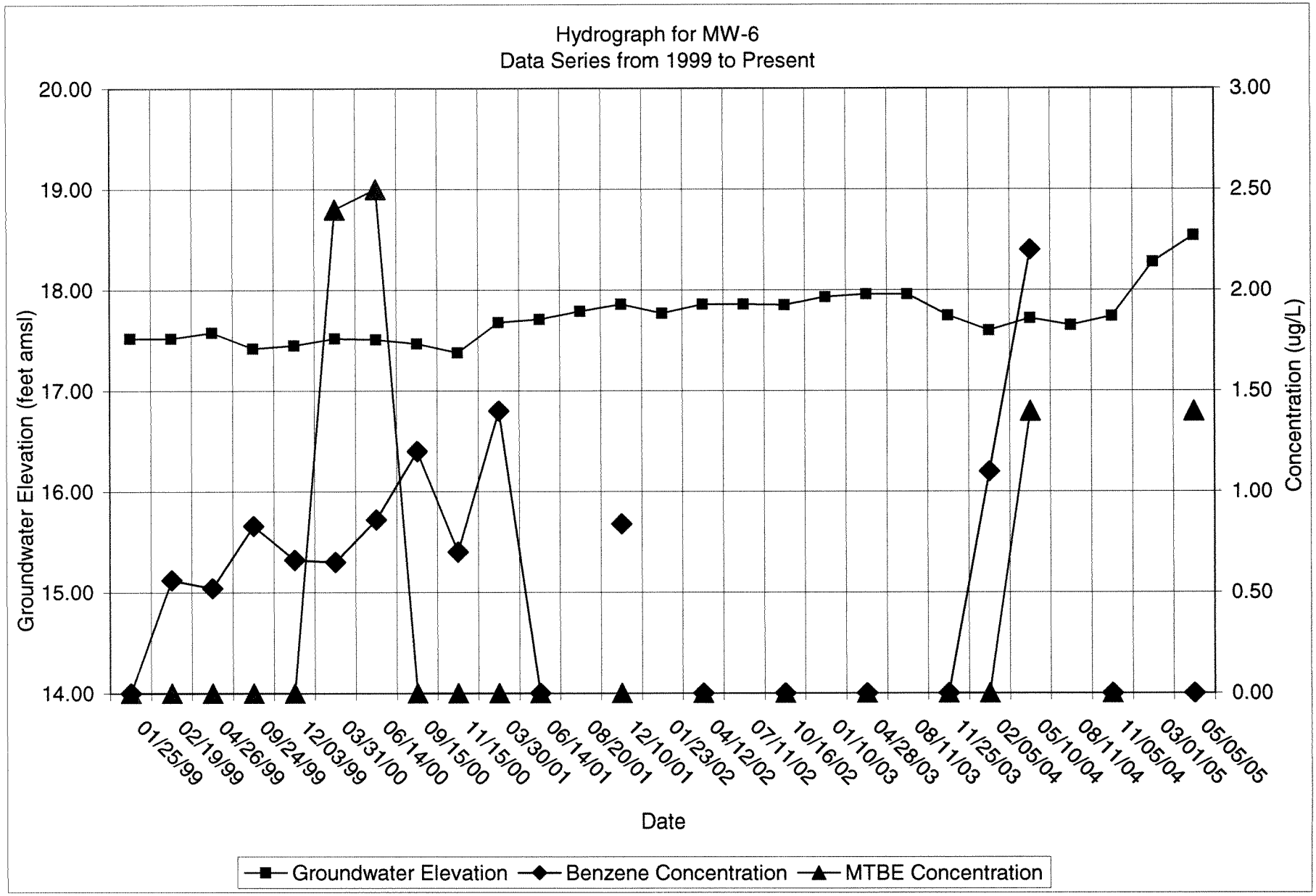
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California



Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California



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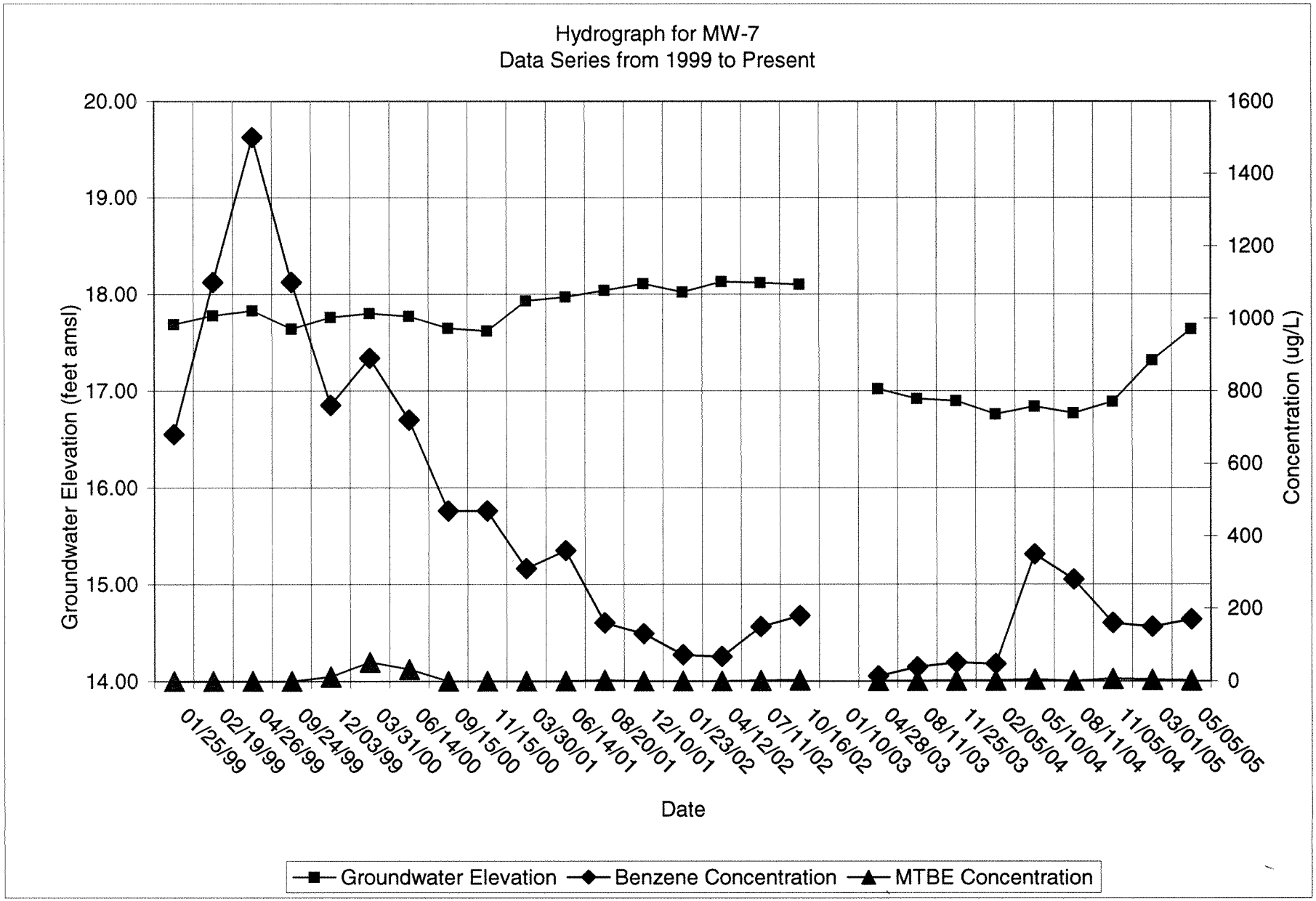

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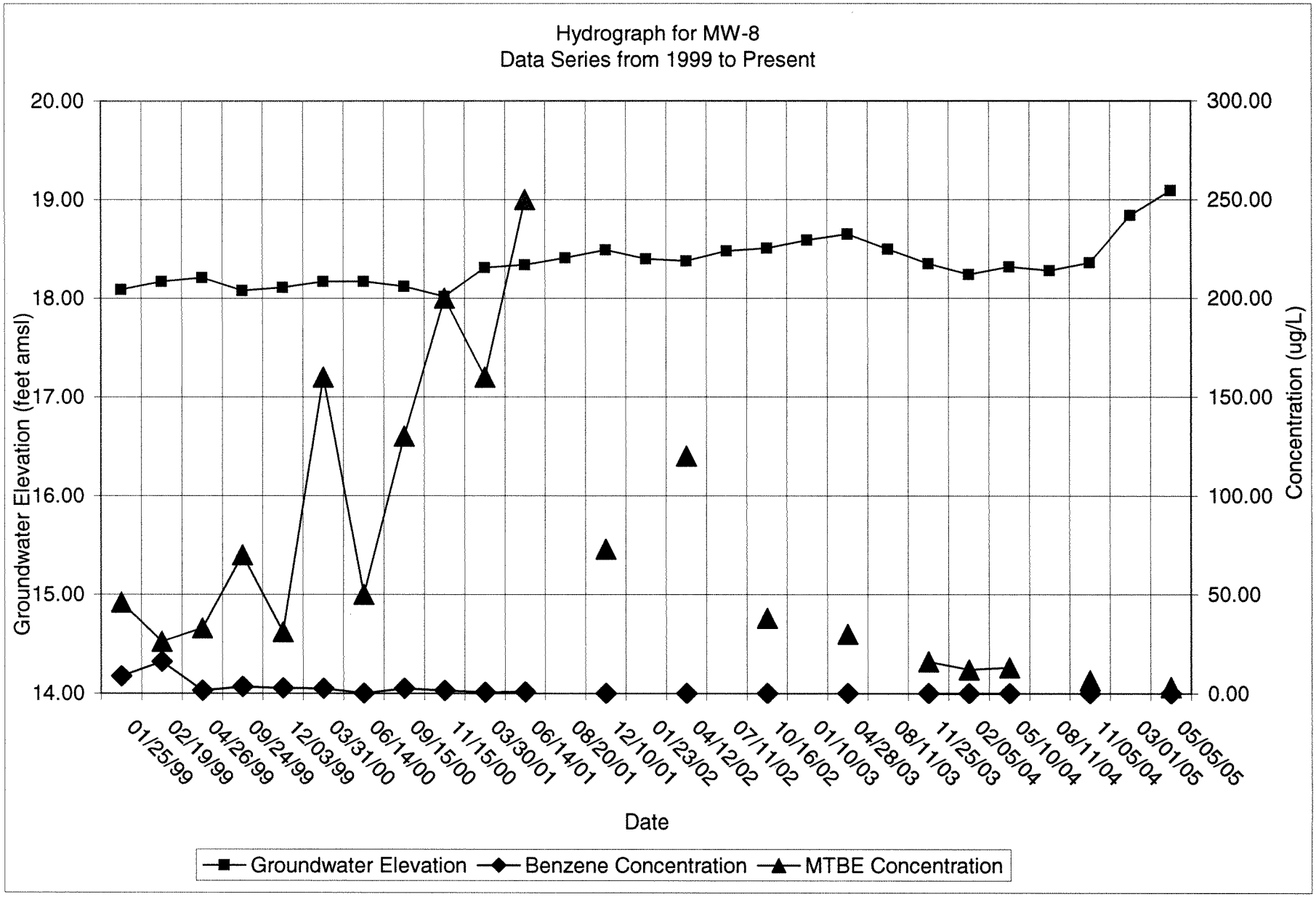
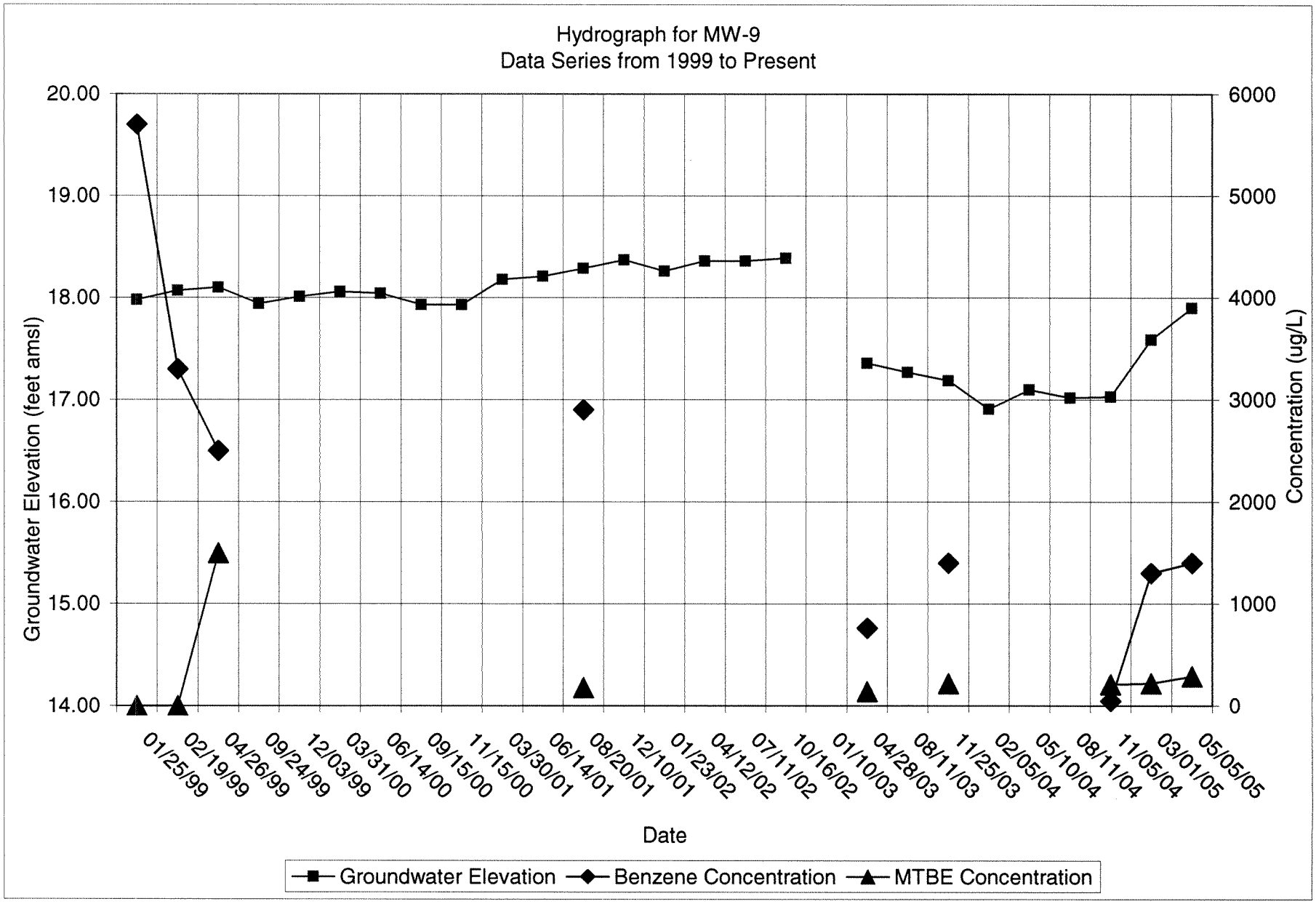


Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California



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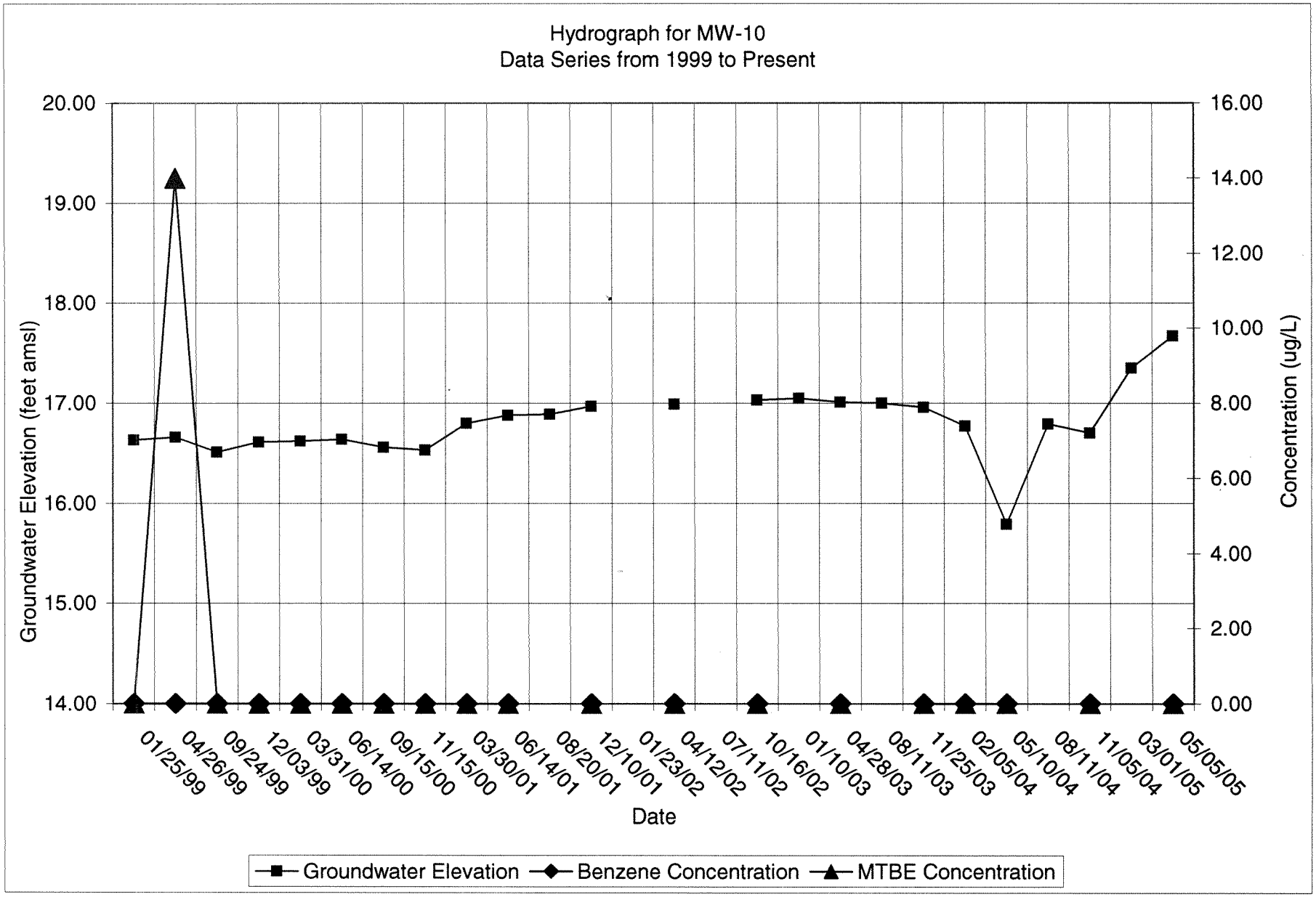

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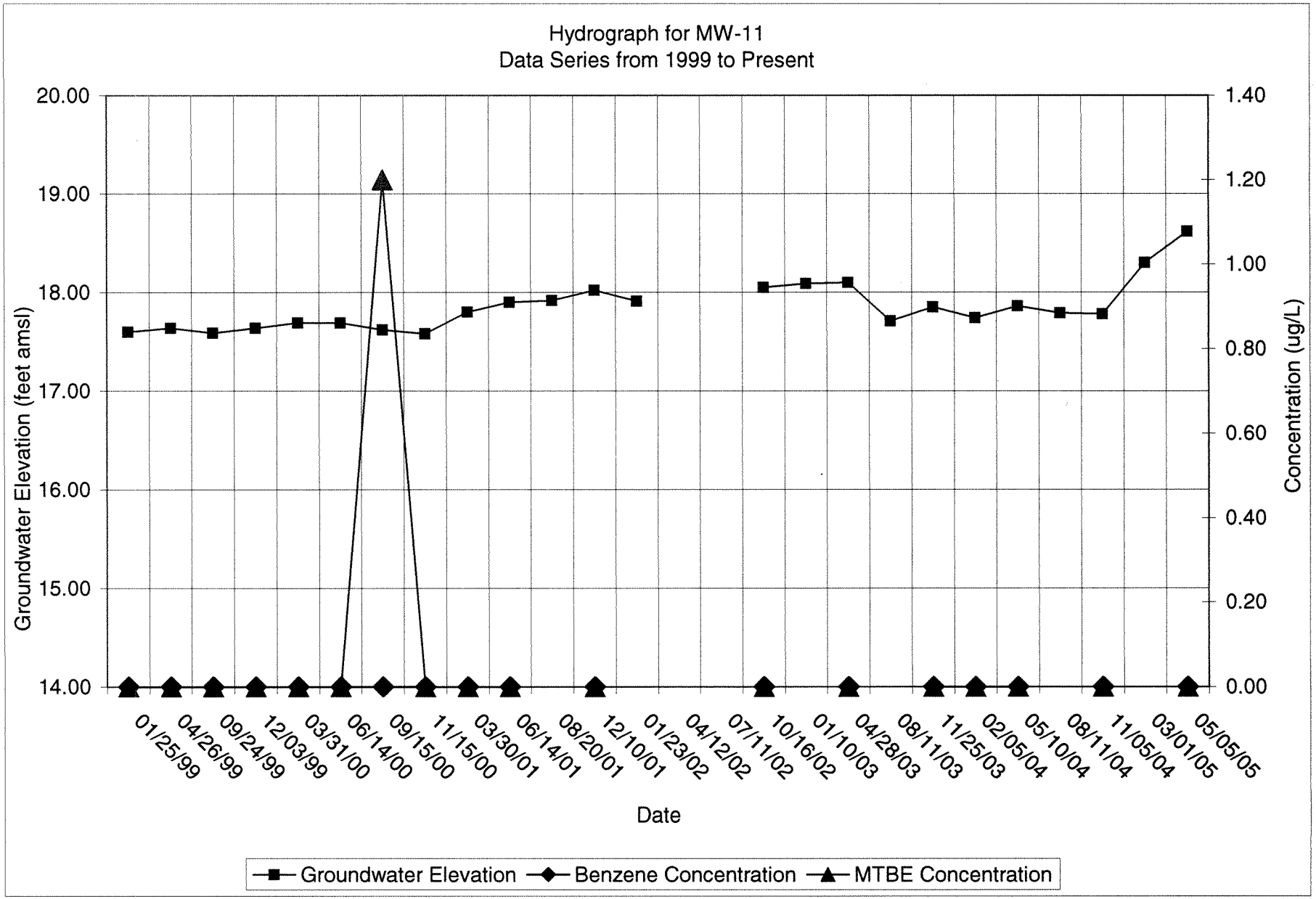

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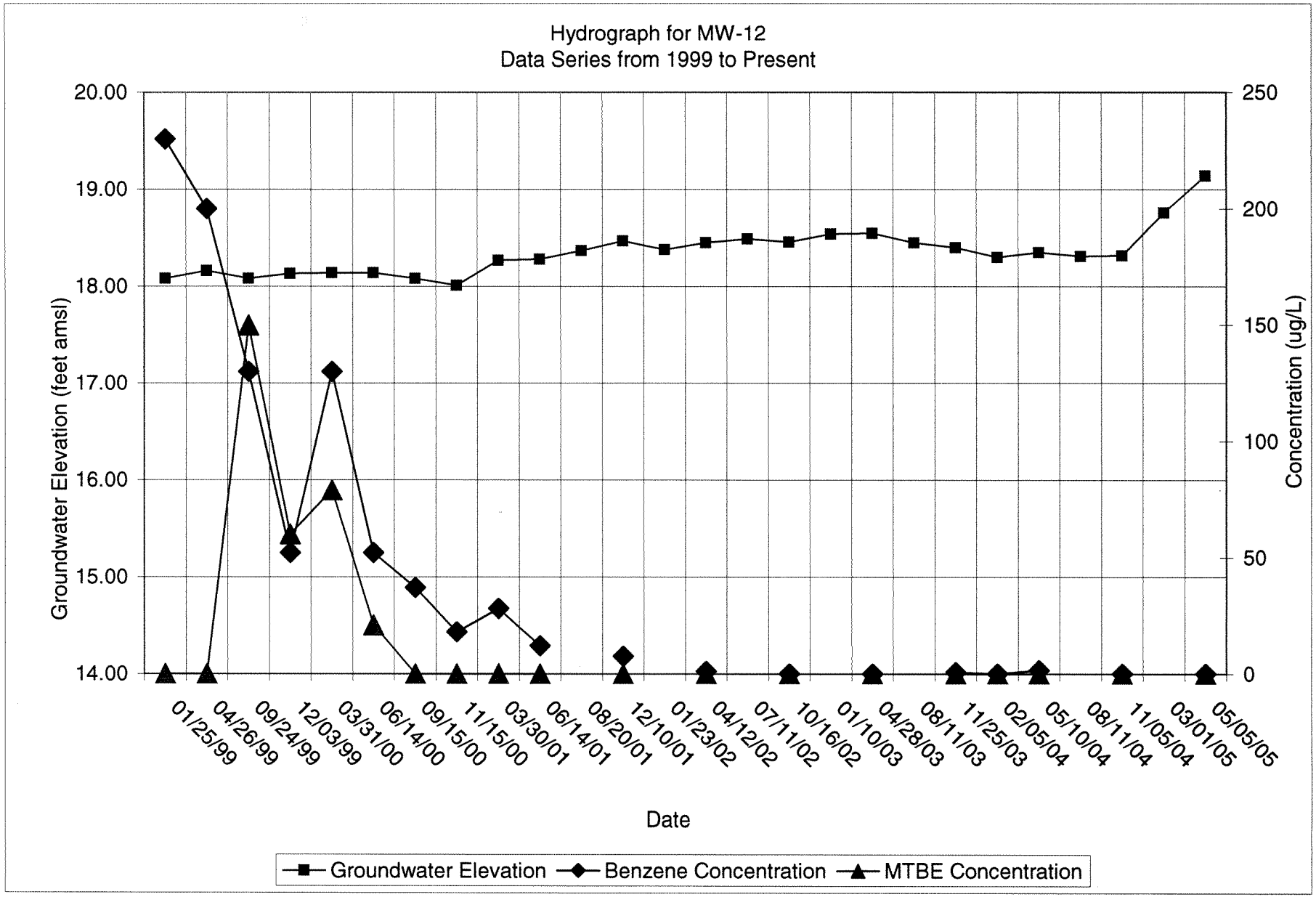

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APPENDIX A
LABORATORY REPORT AND
CHAIN-OF-CUSTODY DOCUMENTATION

Del Mar Analytical

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LABORATORY REPORT

Prepared For: SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project: CVX 9-1834

Sampled: 03/01/05
Received: 03/03/05
Issued: 03/17/05 16:38

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOC0349-01	MW-1-W-050301	Water
IOC0349-02	MW-7-W-050301	Water
IOC0349-03	MW-9-W-050301	Water
IOC0349-04	QA-T-050301	Water

Reviewed By:

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

Del Mar Analytical

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC0349-01 (MW-1-W-050301 - Water)				**Sampled: 03/01/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5C07025	10000	**41000**	100	3/7/2005	3/7/2005	
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				
Sample ID: IOC0349-02 (MW-7-W-050301 - Water)				**Sampled: 03/01/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5C07025	100	**290**	1	3/7/2005	3/7/2005	
Surrogate: Dibromofluoromethane (80-120%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				
Sample ID: IOC0349-03 (MW-9-W-050301 - Water)				**Sampled: 03/01/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5C08010	10000	**40000**	100	3/8/2005	3/8/2005	
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Sample ID: IOC0349-04 (QA-T-050301 - Water)				**Sampled: 03/01/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5C07025	100	ND	1	3/7/2005	3/7/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC0349-01 (MW-1-W-050301 - Water)				**Sampled: 03/01/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5C07025	50	**4900**	100	3/7/2005	3/7/2005	
Ethylbenzene	EPA 8260B	5C07025	50	**1600**	100	3/7/2005	3/7/2005	
Toluene	EPA 8260B	5C07025	50	**5900**	100	3/7/2005	3/7/2005	
o-Xylene	EPA 8260B	5C07025	50	**3200**	100	3/7/2005	3/7/2005	
m,p-Xylenes	EPA 8260B	5C07025	100	**4400**	100	3/7/2005	3/7/2005	
Xylenes, Total	EPA 8260B	5C07025	150	**7600**	100	3/7/2005	3/7/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5C07025	500	ND	100	3/7/2005	3/7/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5C07025	500	ND	100	3/7/2005	3/7/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5C07025	500	ND	100	3/7/2005	3/7/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C07025	100	**430**	100	3/7/2005	3/7/2005	
tert-Butanol (TBA)	EPA 8260B	5C07025	2500	ND	100	3/7/2005	3/7/2005	ID
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				
Sample ID: IOC0349-02 (MW-7-W-050301 - Water)				**Sampled: 03/01/05**				
Reporting Units: ug/l								
Ethylbenzene	EPA 8260B	5C07025	0.50	**17**	1	3/7/2005	3/7/2005	
Toluene	EPA 8260B	5C07025	0.50	**1.2**	1	3/7/2005	3/7/2005	
o-Xylene	EPA 8260B	5C07025	0.50	**0.50**	1	3/7/2005	3/7/2005	
m,p-Xylenes	EPA 8260B	5C07025	1.0	**7.0**	1	3/7/2005	3/7/2005	
Xylenes, Total	EPA 8260B	5C07025	1.5	**7.5**	1	3/7/2005	3/7/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5C07025	5.0	ND	1	3/7/2005	3/7/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5C07025	5.0	ND	1	3/7/2005	3/7/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5C07025	5.0	ND	1	3/7/2005	3/7/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C07025	1.0	**3.9**	1	3/7/2005	3/7/2005	
tert-Butanol (TBA)	EPA 8260B	5C07025	25	ND	1	3/7/2005	3/7/2005	
Surrogate: Dibromofluoromethane (80-120%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				
Sample ID: IOC0349-02RE1 (MW-7-W-050301 - Water)				**Sampled: 03/01/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5C08009	1.0	**150**	2	3/8/2005	3/8/2005	
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOC0349-03 (MW-9-W-050301 - Water)				**Sampled: 03/01/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5C08010	50	**1300**	100	3/8/2005	3/8/2005	
Ethylbenzene	EPA 8260B	5C08010	50	**1500**	100	3/8/2005	3/8/2005	
Toluene	EPA 8260B	5C08010	50	**6700**	100	3/8/2005	3/8/2005	
o-Xylene	EPA 8260B	5C08010	50	**3300**	100	3/8/2005	3/8/2005	
m,p-Xylenes	EPA 8260B	5C08010	100	**6300**	100	3/8/2005	3/8/2005	
Xylenes, Total	EPA 8260B	5C08010	150	**9600**	100	3/8/2005	3/8/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5C08010	500	ND	100	3/8/2005	3/8/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5C08010	500	ND	100	3/8/2005	3/8/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5C08010	500	ND	100	3/8/2005	3/8/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C08010	100	**220**	100	3/8/2005	3/8/2005	
tert-Butanol (TBA)	EPA 8260B	5C08010	2500	ND	100	3/8/2005	3/8/2005	
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Sample ID: IOC0349-04 (QA-T-050301 - Water)				**Sampled: 03/01/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5C07025	0.50	ND	1	3/7/2005	3/7/2005	
Ethylbenzene	EPA 8260B	5C07025	0.50	ND	1	3/7/2005	3/7/2005	
Toluene	EPA 8260B	5C07025	0.50	ND	1	3/7/2005	3/7/2005	
o-Xylene	EPA 8260B	5C07025	0.50	ND	1	3/7/2005	3/7/2005	
m,p-Xylenes	EPA 8260B	5C07025	1.0	ND	1	3/7/2005	3/7/2005	
Xylenes, Total	EPA 8260B	5C07025	1.5	ND	1	3/7/2005	3/7/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5C07025	5.0	ND	1	3/7/2005	3/7/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5C07025	5.0	ND	1	3/7/2005	3/7/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5C07025	5.0	ND	1	3/7/2005	3/7/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5C07025	1.0	ND	1	3/7/2005	3/7/2005	
tert-Butanol (TBA)	EPA 8260B	5C07025	25	ND	1	3/7/2005	3/7/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C07025 Extracted: 03/07/05										
Blank Analyzed: 03/07/2005 (5C07025-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
LCS Analyzed: 03/07/2005 (5C07025-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	376	100	ug/l	500		75	65-125			
Surrogate: Dibromofluoromethane	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Analyzed: 03/07/2005 (5C07025-MS1)					**Source: IOC0270-03**					
Volatile Fuel Hydrocarbons (C4-C12)	1230	100	ug/l	1120	ND	110	60-140			
Surrogate: Dibromofluoromethane	*28.0*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Matrix Spike Dup Analyzed: 03/07/2005 (5C07025-MSD1)					**Source: IOC0270-03**					
Volatile Fuel Hydrocarbons (C4-C12)	1430	100	ug/l	1120	ND	128	60-140	15	20	
Surrogate: Dibromofluoromethane	*28.0*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
Batch: 5C08010 Extracted: 03/08/05										
Blank Analyzed: 03/08/2005 (5C08010-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834
Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C08010 Extracted: 03/08/05										
LCS Analyzed: 03/08/2005 (5C08010-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	419	100	ug/l	500		84	65-125			
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Matrix Spike Analyzed: 03/08/2005 (5C08010-MS1)					**Source: IOC0518-13**					
Volatile Fuel Hydrocarbons (C4-C12)	1170	100	ug/l	1120	ND	104	60-140			
Surrogate: Dibromofluoromethane	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 03/08/2005 (5C08010-MSD1)					**Source: IOC0518-13**					
Volatile Fuel Hydrocarbons (C4-C12)	1200	100	ug/l	1120	ND	107	60-140	3	20	
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C07025 Extracted: 03/07/05										
Blank Analyzed: 03/07/2005 (5C07025-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
LCS Analyzed: 03/07/2005 (5C07025-BS1)										
Benzene	22.9	0.50	ug/l	25.0		92	70-120			
Ethylbenzene	24.5	0.50	ug/l	25.0		98	80-120			
Toluene	23.0	0.50	ug/l	25.0		92	75-120			
o-Xylene	23.0	0.50	ug/l	25.0		92	75-125			
m,p-Xylenes	47.8	1.0	ug/l	50.0		96	75-120			
Xylenes, Total	70.8	1.5	ug/l	75.0		94	75-125			
Di-isopropyl Ether (DIPE)	25.4	5.0	ug/l	25.0		102	65-135			
Ethyl tert-Butyl Ether (ETBE)	25.7	5.0	ug/l	25.0		103	60-140			
tert-Amyl Methyl Ether (TAME)	26.6	5.0	ug/l	25.0		106	60-140			
Methyl-tert-butyl Ether (MTBE)	26.3	1.0	ug/l	25.0		105	55-145			
tert-Butanol (TBA)	128	25	ug/l	125		102	70-140			
Surrogate: Dibromofluoromethane	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			

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SECOR-San Diego/ChevronTexaco
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Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C07025 Extracted: 03/07/05										
Matrix Spike Analyzed: 03/07/2005 (5C07025-MS1)					**Source: IOC0270-03**					
Benzene	23.8	0.50	ug/l	25.0	ND	95	70-120			
Ethylbenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
Toluene	24.0	0.50	ug/l	25.0	ND	96	70-120			
o-Xylene	23.6	0.50	ug/l	25.0	ND	94	65-125			
m,p-Xylenes	48.7	1.0	ug/l	50.0	ND	97	65-130			
Xylenes, Total	72.3	1.5	ug/l	75.0	ND	96	65-135			
Di-isopropyl Ether (DIPE)	27.3	5.0	ug/l	25.0	0.47	107	65-140			
Ethyl tert-Butyl Ether (ETBE)	26.6	5.0	ug/l	25.0	ND	106	60-140			
tert-Amyl Methyl Ether (TAME)	27.4	5.0	ug/l	25.0	ND	110	55-145			
Methyl-tert-butyl Ether (MTBE)	33.5	1.0	ug/l	25.0	6.8	107	50-155			
tert-Butanol (TBA)	133	25	ug/l	125	ND	106	65-145			
Surrogate: Dibromofluoromethane	*28.0*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Matrix Spike Dup Analyzed: 03/07/2005 (5C07025-MSD1)					**Source: IOC0270-03**					
Benzene	23.6	0.50	ug/l	25.0	ND	94	70-120	1	20	
Ethylbenzene	25.1	0.50	ug/l	25.0	ND	100	70-130	0	20	
Toluene	23.6	0.50	ug/l	25.0	ND	94	70-120	2	20	
o-Xylene	23.6	0.50	ug/l	25.0	ND	94	65-125	0	20	
m,p-Xylenes	48.4	1.0	ug/l	50.0	ND	97	65-130	1	25	
Xylenes, Total	72.0	1.5	ug/l	75.0	ND	96	65-135	0	20	
Di-isopropyl Ether (DIPE)	27.3	5.0	ug/l	25.0	0.47	107	65-140	0	25	
Ethyl tert-Butyl Ether (ETBE)	27.0	5.0	ug/l	25.0	ND	108	60-140	1	25	
tert-Amyl Methyl Ether (TAME)	28.0	5.0	ug/l	25.0	ND	112	55-145	2	30	
Methyl-tert-butyl Ether (MTBE)	34.9	1.0	ug/l	25.0	6.8	112	50-155	4	25	
tert-Butanol (TBA)	134	25	ug/l	125	ND	107	65-145	1	25	
Surrogate: Dibromofluoromethane	*28.0*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			

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Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C08009 Extracted: 03/08/05										
Blank Analyzed: 03/08/2005 (5C08009-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
LCS Analyzed: 03/08/2005 (5C08009-BS1)										
Benzene	22.3	0.50	ug/l	25.0		89	70-120			
Ethylbenzene	24.8	0.50	ug/l	25.0		99	80-120			
Toluene	22.4	0.50	ug/l	25.0		90	75-120			
o-Xylene	23.5	0.50	ug/l	25.0		94	75-125			
m,p-Xylenes	47.7	1.0	ug/l	50.0		95	75-120			
Xylenes, Total	71.1	1.5	ug/l	75.0		95	75-125			
Di-isopropyl Ether (DIPE)	24.5	5.0	ug/l	25.0		98	65-135			
Ethyl tert-Butyl Ether (ETBE)	24.4	5.0	ug/l	25.0		98	60-140			
tert-Amyl Methyl Ether (TAME)	24.6	5.0	ug/l	25.0		98	60-140			
Methyl-tert-butyl Ether (MTBE)	24.1	1.0	ug/l	25.0		96	55-145			
tert-Butanol (TBA)	125	25	ug/l	125		100	70-140			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			

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Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C08009 Extracted: 03/08/05										
Matrix Spike Analyzed: 03/08/2005 (5C08009-MS1)					**Source: IOC0383-36**					
Benzene	98.2	0.50	ug/l	25.0	78	81	70-120			
Ethylbenzene	23.9	0.50	ug/l	25.0	ND	96	70-130			
Toluene	22.4	0.50	ug/l	25.0	0.42	88	70-120			
o-Xylene	22.6	0.50	ug/l	25.0	0.24	89	65-125			
m,p-Xylenes	46.4	1.0	ug/l	50.0	1.2	90	65-130			
Xylenes, Total	69.0	1.5	ug/l	75.0	1.4	90	65-135			
Di-isopropyl Ether (DIPE)	23.9	5.0	ug/l	25.0	ND	96	65-140			
Ethyl tert-Butyl Ether (ETBE)	24.2	5.0	ug/l	25.0	ND	97	60-140			
tert-Amyl Methyl Ether (TAME)	25.0	5.0	ug/l	25.0	ND	100	55-145			
Methyl-tert-butyl Ether (MTBE)	23.7	1.0	ug/l	25.0	ND	95	50-155			
tert-Butanol (TBA)	160	25	ug/l	125	8.0	122	65-145			
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Matrix Spike Dup Analyzed: 03/08/2005 (5C08009-MSD1)					**Source: IOC0383-36**					
Benzene	95.0	0.50	ug/l	25.0	78	68	70-120	3	20	*M2*
Ethylbenzene	24.9	0.50	ug/l	25.0	ND	100	70-130	4	20	
Toluene	22.9	0.50	ug/l	25.0	0.42	90	70-120	2	20	
o-Xylene	23.4	0.50	ug/l	25.0	0.24	93	65-125	3	20	
m,p-Xylenes	48.4	1.0	ug/l	50.0	1.2	94	65-130	4	25	
Xylenes, Total	71.8	1.5	ug/l	75.0	1.4	94	65-135	4	20	
Di-isopropyl Ether (DIPE)	24.3	5.0	ug/l	25.0	ND	97	65-140	2	25	
Ethyl tert-Butyl Ether (ETBE)	23.8	5.0	ug/l	25.0	ND	95	60-140	2	25	
tert-Amyl Methyl Ether (TAME)	23.4	5.0	ug/l	25.0	ND	94	55-145	7	30	
Methyl-tert-butyl Ether (MTBE)	22.2	1.0	ug/l	25.0	ND	89	50-155	7	25	
tert-Butanol (TBA)	141	25	ug/l	125	8.0	106	65-145	13	25	
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			

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Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C08010 Extracted: 03/08/05										
Blank Analyzed: 03/08/2005 (5C08010-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*23.2*		*ug/l*	*25.0*		*93*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
LCS Analyzed: 03/08/2005 (5C08010-BS1)										
Benzene	22.0	0.50	ug/l	25.0		88	70-120			
Ethylbenzene	23.2	0.50	ug/l	25.0		93	80-120			
Toluene	21.7	0.50	ug/l	25.0		87	75-120			
o-Xylene	23.2	0.50	ug/l	25.0		93	75-125			
m,p-Xylenes	45.2	1.0	ug/l	50.0		90	75-120			
Xylenes, Total	68.4	1.5	ug/l	75.0		91	75-125			
Di-isopropyl Ether (DIPE)	22.8	5.0	ug/l	25.0		91	65-135			
Ethyl tert-Butyl Ether (ETBE)	23.9	5.0	ug/l	25.0		96	60-140			
tert-Amyl Methyl Ether (TAME)	25.5	5.0	ug/l	25.0		102	60-140			
Methyl-tert-butyl Ether (MTBE)	26.6	1.0	ug/l	25.0		106	55-145			
tert-Butanol (TBA)	106	25	ug/l	125		85	70-140			
Surrogate: Dibromofluoromethane	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			

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Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5C08010 Extracted: 03/08/05										
Matrix Spike Analyzed: 03/08/2005 (5C08010-MS1)					**Source: IOC0518-13**					
Benzene	23.3	0.50	ug/l	25.0	ND	93	70-120			
Ethylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Toluene	23.7	0.50	ug/l	25.0	ND	95	70-120			
o-Xylene	24.0	0.50	ug/l	25.0	ND	96	65-125			
m,p-Xylenes	48.8	1.0	ug/l	50.0	ND	98	65-130			
Xylenes, Total	72.8	1.5	ug/l	75.0	ND	97	65-135			
Di-isopropyl Ether (DIPE)	24.4	5.0	ug/l	25.0	ND	98	65-140			
Ethyl tert-Butyl Ether (ETBE)	26.4	5.0	ug/l	25.0	ND	106	60-140			
tert-Amyl Methyl Ether (TAME)	28.3	5.0	ug/l	25.0	ND	113	55-145			
Methyl-tert-butyl Ether (MTBE)	29.0	1.0	ug/l	25.0	ND	116	50-155			
tert-Butanol (TBA)	117	25	ug/l	125	ND	94	65-145			
Surrogate: Dibromofluoromethane	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 03/08/2005 (5C08010-MSD1)					**Source: IOC0518-13**					
Benzene	25.0	0.50	ug/l	25.0	ND	100	70-120	7	20	
Ethylbenzene	24.4	0.50	ug/l	25.0	ND	98	70-130	0	20	
Toluene	24.6	0.50	ug/l	25.0	ND	98	70-120	4	20	
o-Xylene	24.3	0.50	ug/l	25.0	ND	97	65-125	1	20	
m,p-Xylenes	50.1	1.0	ug/l	50.0	ND	100	65-130	3	25	
Xylenes, Total	74.4	1.5	ug/l	75.0	ND	99	65-135	2	20	
Di-isopropyl Ether (DIPE)	24.5	5.0	ug/l	25.0	ND	98	65-140	0	25	
Ethyl tert-Butyl Ether (ETBE)	26.5	5.0	ug/l	25.0	ND	106	60-140	0	25	
tert-Amyl Methyl Ether (TAME)	30.7	5.0	ug/l	25.0	ND	123	55-145	8	30	
Methyl-tert-butyl Ether (MTBE)	30.9	1.0	ug/l	25.0	ND	124	50-155	6	25	
tert-Butanol (TBA)	113	25	ug/l	125	ND	90	65-145	3	25	
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

DATA QUALIFIERS AND DEFINITIONS

ID Due to the low levels of analyte found in the sample, the analyte was qualitatively identified based on the compound's retention time and the presence of a single mass ion.

M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOC0349

Sampled: 03/01/05
Received: 03/03/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 8260B	Water	X	X
TPH by GC/MS	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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(207) IDC0349

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 1 of 1

Chevron Site Global ID: T0607302116
Chevron Site Number: 9-1834
Chevron Site Address: 4175 Voltaire St. San Diego, CA
Chevron PM: Eric Roth
Chevron PM Phone No.: 714-671-3347

Chevron Consultant: SECOR
Address: 2655 Camino Del Rio N
Consultant Contact: Kim Thompson
Consultant Phone No. 619.296.6195
Consultant Project No. 08CH.41834.05
Sampling Company: SECOR
Sampled By (Print): E. Kacherek
Sampler Signature: [signature]

☒ Retail and Terminal Business Unit (RTBU) Job
Charge Code: NWRTB 00918234-0-OML
NWRTB 00SITE NUMBER -0- WBS
(**WBS ELEMENTS:** SITE ASSMT: **A1L**/SITE MONT.:**OML**/REMD. IMPL.:**R5L**/OP. MAINT. & MON.: **M1L**)

☐ Construction/Retail Job

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Del Mar Analytical	Lancaster Laboratories	Other Lab
☒ Irvine, CA	☐ Lancaster, PA	
☐ Colton, CA	Lab Contact: Teresa Cunningham	
Lab Contact: K. Robb	Phone No:	
Phone No:	☐ (717) 656-2300	
☒ (949) 261-1022		
☐ (909) 370-4667		

ANALYSES REQUIRED

Special Instructions: use county of San Diego detection limits

Temp. Blank Check

Time	Temp.
1140	2°
1220	4°
1315	4°
1350	4°

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	Container Type	# of Containers	Preservation	EPA 8015B GRO ☐ DRO ☐ ORO ☐ TPHd ☐ HC SCREEN ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 8260B TPH-G ☒ BTEX ☒ MTBE ☒ OXYGENATES ☒ HVOC ☐	EPA 6010 CA, FE, K, MG, MN, NA ☐	EPA 6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA 150.1 PH ☐ / EPA 310.1 ALKALINITY ☐	SM 2510B SPECIFIC CONDUCTIVITY ☐	EPA 418.1 TRPH ☐ / EPA 413.1 OIL/GREASES ☐	Notes/Comments
MW-1	W	—	05/03/01	1309	VOA	6	HCL/ice			X						e-mail
MW-7	W	—	↓	1124	↓	↓	↓			X						results
MW-9	W	—	↓	1218	↓	↓	↓			X						kthompson@secor.com
QA	T	—	↓	—	↓	↓	↓			X						-PDF

A1

Relinquished By	Company	Date/Time	Relinquished To	Company
E. Kacherek	Secor	3-3-05 1400	[signature]	DMAE
[signature]	DMAE	3-3-05 1755	[signature]	3/3/05 1755

Turnaround Time: 24 Hours ☐ Standard ☒ 48 hours ☐ Other ☐

Sample Integrity: (Check by lab on arrival) Intact: X On Ice: X Temp: 5°C

Document2, 02/04/05

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LABORATORY REPORT

Prepared For: SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project: CVX 9-1834

Sampled: 05/05/05
Received: 05/10/05
Issued: 05/24/05 13:38

NELAP #01108CA California ELAP#1197 CSDLAC #10117

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IOE0599-01	QA-T-050505	Water
IOE0599-02	MW-1-W-050505	Water
IOE0599-03	MW-2-W-050505	Water
IOE0599-04	MW-3-W-050505	Water
IOE0599-05	MW-4-W-050505	Water
IOE0599-06	MW-5-W-050505	Water
IOE0599-07	MW-6-W-050505	Water
IOE0599-08	MW-7-W-050505	Water
IOE0599-09	MW-8-W-050505	Water
IOE0599-10	MW-9-W-050505	Water
IOE0599-11	MW-10-W-050505	Water
IOE0599-12	MW-11-W-050505	Water
IOE0599-13	MW-12-W-050505	Water

Reviewed By:

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

Del Mar Analytical

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-01 (QA-T-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14004	100	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: IOE0599-02 (MW-1-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E15002	20000	**81000**	200	5/15/2005	5/15/2005	
Surrogate: Dibromofluoromethane (80-120%)				*119 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				
Sample ID: IOE0599-03 (MW-2-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14004	100	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				
Sample ID: IOE0599-04 (MW-3-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14012	100	**110**	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				
Sample ID: IOE0599-05 (MW-4-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14012	100	ND	1	5/14/2005	5/14/2005	M1
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Sample ID: IOE0599-06 (MW-5-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E15002	100	**400**	1	5/15/2005	5/15/2005	
Surrogate: Dibromofluoromethane (80-120%)				*114 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*109 %*				

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-07 (MW-6-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14012	100	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				
Sample ID: IOE0599-08 (MW-7-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E16003	200	**540**	2	5/16/2005	5/16/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*109 %*				
Sample ID: IOE0599-09 (MW-8-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14012	100	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Sample ID: IOE0599-10 (MW-9-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14012	10000	**76000**	100	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				
Sample ID: IOE0599-11 (MW-10-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14012	100	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: IOE0599-12 (MW-11-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14012	100	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-13 (MW-12-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	5E14012	100	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				

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Kathleen A. Robb
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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-01 (QA-T-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14004	0.50	ND	1	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14004	0.50	ND	1	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14004	0.50	ND	1	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14004	0.50	ND	1	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14004	1.0	ND	1	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14004	1.5	ND	1	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14004	5.0	ND	1	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14004	5.0	ND	1	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14004	5.0	ND	1	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14004	1.0	ND	1	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14004	25	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: IOE0599-02 (MW-1-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E15002	100	**12000**	200	5/15/2005	5/15/2005	
Ethylbenzene	EPA 8260B	5E15002	100	**2100**	200	5/15/2005	5/15/2005	
Toluene	EPA 8260B	5E15002	100	**19000**	200	5/15/2005	5/15/2005	
o-Xylene	EPA 8260B	5E15002	100	**4300**	200	5/15/2005	5/15/2005	
m,p-Xylenes	EPA 8260B	5E15002	200	**5400**	200	5/15/2005	5/15/2005	
Xylenes, Total	EPA 8260B	5E15002	300	**9600**	200	5/15/2005	5/15/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E15002	1000	ND	200	5/15/2005	5/15/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E15002	1000	ND	200	5/15/2005	5/15/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E15002	1000	ND	200	5/15/2005	5/15/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E15002	200	**1400**	200	5/15/2005	5/15/2005	
tert-Butanol (TBA)	EPA 8260B	5E15002	5000	ND	200	5/15/2005	5/15/2005	
Surrogate: Dibromofluoromethane (80-120%)				*119 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*107 %*				

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Kathleen A. Robb
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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-03 (MW-2-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14004	0.50	**4.6**	1	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14004	0.50	ND	1	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14004	0.50	ND	1	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14004	0.50	ND	1	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14004	1.0	ND	1	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14004	1.5	ND	1	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14004	5.0	ND	1	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14004	5.0	ND	1	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14004	5.0	ND	1	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14004	1.0	ND	1	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14004	25	ND	1	5/14/2005	5/14/2005	ID
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				
Sample ID: IOE0599-04 (MW-3-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14012	0.50	**1.6**	1	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14012	1.0	**1.0**	1	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14012	1.5	ND	1	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14012	1.0	**5.1**	1	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14012	25	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				

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Kathleen A. Robb
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SECOR-San Diego/ChevronTexaco
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Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-05 (MW-4-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14012	1.0	ND	1	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14012	1.5	ND	1	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14012	1.0	ND	1	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14012	25	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Sample ID: IOE0599-06 (MW-5-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E15002	0.50	**4.9**	1	5/15/2005	5/15/2005	
Ethylbenzene	EPA 8260B	5E15002	0.50	**4.2**	1	5/15/2005	5/15/2005	
Toluene	EPA 8260B	5E15002	0.50	**0.55**	1	5/15/2005	5/15/2005	
o-Xylene	EPA 8260B	5E15002	0.50	ND	1	5/15/2005	5/15/2005	
m,p-Xylenes	EPA 8260B	5E15002	1.0	**2.4**	1	5/15/2005	5/15/2005	
Xylenes, Total	EPA 8260B	5E15002	1.5	**2.6**	1	5/15/2005	5/15/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E15002	5.0	**20**	1	5/15/2005	5/15/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E15002	5.0	ND	1	5/15/2005	5/15/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E15002	5.0	ND	1	5/15/2005	5/15/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E15002	1.0	**2.0**	1	5/15/2005	5/15/2005	
tert-Butanol (TBA)	EPA 8260B	5E15002	25	**89**	1	5/15/2005	5/15/2005	
Surrogate: Dibromofluoromethane (80-120%)				*114 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*109 %*				

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SECOR-San Diego/ChevronTexaco
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Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-07 (MW-6-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14012	1.0	ND	1	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14012	1.5	ND	1	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14012	1.0	**1.4**	1	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14012	25	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				
Sample ID: IOE0599-08 (MW-7-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E16003	1.0	**170**	2	5/16/2005	5/16/2005	
Ethylbenzene	EPA 8260B	5E16003	1.0	**37**	2	5/16/2005	5/16/2005	
Toluene	EPA 8260B	5E16003	1.0	**4.9**	2	5/16/2005	5/16/2005	
o-Xylene	EPA 8260B	5E16003	1.0	**2.0**	2	5/16/2005	5/16/2005	
m,p-Xylenes	EPA 8260B	5E16003	2.0	**27**	2	5/16/2005	5/16/2005	
Xylenes, Total	EPA 8260B	5E16003	3.0	**29**	2	5/16/2005	5/16/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E16003	10	ND	2	5/16/2005	5/16/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E16003	10	ND	2	5/16/2005	5/16/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E16003	10	ND	2	5/16/2005	5/16/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E16003	2.0	**2.3**	2	5/16/2005	5/16/2005	
tert-Butanol (TBA)	EPA 8260B	5E16003	50	ND	2	5/16/2005	5/16/2005	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*109 %*				

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Kathleen A. Robb
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Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-09 (MW-8-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14012	1.0	ND	1	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14012	1.5	ND	1	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14012	1.0	**3.1**	1	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14012	25	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*101 %*				
Sample ID: IOE0599-10 (MW-9-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14012	50	**1400**	100	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14012	50	**2200**	100	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14012	50	**8000**	100	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14012	50	**4400**	100	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14012	100	**8400**	100	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14012	150	**13000**	100	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14012	500	ND	100	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14012	500	ND	100	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14012	500	ND	100	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14012	100	**290**	100	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14012	2500	ND	100	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				

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Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-11 (MW-10-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14012	1.0	ND	1	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14012	1.5	ND	1	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14012	1.0	ND	1	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14012	25	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: IOE0599-12 (MW-11-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14012	1.0	ND	1	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14012	1.5	ND	1	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14012	1.0	ND	1	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14012	25	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOE0599-13 (MW-12-W-050505 - Water)				**Sampled: 05/05/05**				
Reporting Units: ug/l								
Benzene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
Ethylbenzene	EPA 8260B	5E14012	0.50	**1.3**	1	5/14/2005	5/14/2005	
Toluene	EPA 8260B	5E14012	0.50	ND	1	5/14/2005	5/14/2005	
o-Xylene	EPA 8260B	5E14012	0.50	**1.1**	1	5/14/2005	5/14/2005	
m,p-Xylenes	EPA 8260B	5E14012	1.0	**2.2**	1	5/14/2005	5/14/2005	
Xylenes, Total	EPA 8260B	5E14012	1.5	**3.3**	1	5/14/2005	5/14/2005	
Di-isopropyl Ether (DIPE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5E14012	5.0	ND	1	5/14/2005	5/14/2005	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5E14012	1.0	ND	1	5/14/2005	5/14/2005	
tert-Butanol (TBA)	EPA 8260B	5E14012	25	ND	1	5/14/2005	5/14/2005	
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				

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Kathleen A. Robb
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Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E14004 Extracted: 05/14/05										
Blank Analyzed: 05/14/2005 (5E14004-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
LCS Analyzed: 05/14/2005 (5E14004-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	433	100	ug/l	500		87	60-130			
Surrogate: Dibromofluoromethane	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Matrix Spike Analyzed: 05/14/2005 (5E14004-MS1)					**Source: IOE0599-03**					
Volatile Fuel Hydrocarbons (C4-C12)	1210	100	ug/l	1120	41	104	60-140			
Surrogate: Dibromofluoromethane	*27.5*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Dup Analyzed: 05/14/2005 (5E14004-MSD1)					**Source: IOE0599-03**					
Volatile Fuel Hydrocarbons (C4-C12)	1300	100	ug/l	1120	41	112	60-140	7	20	
Surrogate: Dibromofluoromethane	*28.4*		*ug/l*	*25.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Batch: 5E14012 Extracted: 05/14/05										
Blank Analyzed: 05/14/2005 (5E14012-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
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Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E14012 Extracted: 05/14/05										
LCS Analyzed: 05/14/2005 (5E14012-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	426	100	ug/l	500		85	60-130			
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Matrix Spike Analyzed: 05/14/2005 (5E14012-MS1)					**Source: IOE0599-05**					
Volatile Fuel Hydrocarbons (C4-C12)	1680	100	ug/l	1120	63	144	60-140			*M1*
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Matrix Spike Dup Analyzed: 05/14/2005 (5E14012-MSD1)					**Source: IOE0599-05**					
Volatile Fuel Hydrocarbons (C4-C12)	1190	100	ug/l	1120	63	101	60-140	34	20	*R-3*
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Batch: 5E15002 Extracted: 05/15/05										
Blank Analyzed: 05/15/2005 (5E15002-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*28.1*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
LCS Analyzed: 05/15/2005 (5E15002-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	471	100	ug/l	500		94	60-130			
Surrogate: Dibromofluoromethane	*28.0*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			

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Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E15002 Extracted: 05/15/05										
Matrix Spike Analyzed: 05/15/2005 (5E15002-MS1)					**Source: IOE0727-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1270	100	ug/l	1120	ND	113	60-140			
Surrogate: Dibromofluoromethane	*29.2*		*ug/l*	*25.0*		*117*	*80-120*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Matrix Spike Dup Analyzed: 05/15/2005 (5E15002-MSD1)					**Source: IOE0727-01**					
Volatile Fuel Hydrocarbons (C4-C12)	1300	100	ug/l	1120	ND	116	60-140	2	20	
Surrogate: Dibromofluoromethane	*29.7*		*ug/l*	*25.0*		*119*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Batch: 5E16003 Extracted: 05/16/05										
Blank Analyzed: 05/16/2005 (5E16003-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
LCS Analyzed: 05/16/2005 (5E16003-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	439	100	ug/l	500		88	60-130			*M-3*
Surrogate: Dibromofluoromethane	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			

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Report Number: IOE0599

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Received: 05/10/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E14004 Extracted: 05/14/05										
Blank Analyzed: 05/14/2005 (5E14004-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
LCS Analyzed: 05/14/2005 (5E14004-BS1)										
Benzene	23.7	0.50	ug/l	25.0		95	65-120			
Ethylbenzene	21.6	0.50	ug/l	25.0		86	70-125			
Toluene	23.1	0.50	ug/l	25.0		92	70-125			
o-Xylene	22.4	0.50	ug/l	25.0		90	70-125			
m,p-Xylenes	44.3	1.0	ug/l	50.0		89	70-125			
Xylenes, Total	66.7	1.5	ug/l	75.0		89	70-125			
Di-isopropyl Ether (DIPE)	22.7	5.0	ug/l	25.0		91	60-135			
Ethyl tert-Butyl Ether (ETBE)	23.4	5.0	ug/l	25.0		94	60-135			
tert-Amyl Methyl Ether (TAME)	26.6	5.0	ug/l	25.0		106	60-135			
Methyl-tert-butyl Ether (MTBE)	26.0	1.0	ug/l	25.0		104	55-140			
tert-Butanol (TBA)	113	25	ug/l	125		90	65-135			
Surrogate: Dibromofluoromethane	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			

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METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E14004 Extracted: 05/14/05										
Matrix Spike Analyzed: 05/14/2005 (5E14004-MS1)					**Source: IOE0599-03**					
Benzene	27.6	0.50	ug/l	25.0	4.6	92	60-125			
Ethylbenzene	22.0	0.50	ug/l	25.0	0.29	87	65-130			
Toluene	23.2	0.50	ug/l	25.0	ND	93	65-125			
o-Xylene	22.7	0.50	ug/l	25.0	ND	91	60-125			
m,p-Xylenes	44.0	1.0	ug/l	50.0	ND	88	60-130			
Xylenes, Total	66.8	1.5	ug/l	75.0	ND	89	60-130			
Di-isopropyl Ether (DIPE)	23.8	5.0	ug/l	25.0	0.39	94	60-140			
Ethyl tert-Butyl Ether (ETBE)	23.4	5.0	ug/l	25.0	ND	94	55-135			
tert-Amyl Methyl Ether (TAME)	25.7	5.0	ug/l	25.0	ND	103	55-140			
Methyl-tert-butyl Ether (MTBE)	25.9	1.0	ug/l	25.0	0.63	101	50-150			
tert-Butanol (TBA)	117	25	ug/l	125	5.5	89	60-145			
Surrogate: Dibromofluoromethane	*27.5*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Dup Analyzed: 05/14/2005 (5E14004-MSD1)					**Source: IOE0599-03**					
Benzene	29.4	0.50	ug/l	25.0	4.6	99	60-125	6	20	
Ethylbenzene	22.9	0.50	ug/l	25.0	0.29	90	65-130	4	20	
Toluene	24.5	0.50	ug/l	25.0	ND	98	65-125	5	20	
o-Xylene	23.6	0.50	ug/l	25.0	ND	94	60-125	4	20	
m,p-Xylenes	46.2	1.0	ug/l	50.0	ND	92	60-130	5	25	
Xylenes, Total	69.8	1.5	ug/l	75.0	ND	93	60-130	4	20	
Di-isopropyl Ether (DIPE)	25.8	5.0	ug/l	25.0	0.39	102	60-140	8	25	
Ethyl tert-Butyl Ether (ETBE)	26.1	5.0	ug/l	25.0	ND	104	55-135	11	25	
tert-Amyl Methyl Ether (TAME)	29.4	5.0	ug/l	25.0	ND	118	55-140	13	30	
Methyl-tert-butyl Ether (MTBE)	29.3	1.0	ug/l	25.0	0.63	115	50-150	12	25	
tert-Butanol (TBA)	112	25	ug/l	125	5.5	85	60-145	4	25	
Surrogate: Dibromofluoromethane	*28.4*		*ug/l*	*25.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			

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Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E14012 Extracted: 05/14/05										
Blank Analyzed: 05/14/2005 (5E14012-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
LCS Analyzed: 05/14/2005 (5E14012-BS1)										
Benzene	24.0	0.50	ug/l	25.0		96	65-120			
Ethylbenzene	25.7	0.50	ug/l	25.0		103	70-125			
Toluene	24.5	0.50	ug/l	25.0		98	70-125			
o-Xylene	24.7	0.50	ug/l	25.0		99	70-125			
m,p-Xylenes	50.2	1.0	ug/l	50.0		100	70-125			
Xylenes, Total	74.9	1.5	ug/l	75.0		100	70-125			
Di-isopropyl Ether (DIPE)	25.1	5.0	ug/l	25.0		100	60-135			
Ethyl tert-Butyl Ether (ETBE)	24.9	5.0	ug/l	25.0		100	60-135			
tert-Amyl Methyl Ether (TAME)	26.1	5.0	ug/l	25.0		104	60-135			
Methyl-tert-butyl Ether (MTBE)	24.7	1.0	ug/l	25.0		99	55-140			
tert-Butanol (TBA)	115	25	ug/l	125		92	65-135			
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			

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SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E14012 Extracted: 05/14/05										
Matrix Spike Analyzed: 05/14/2005 (5E14012-MS1)					**Source: IOE0599-05**					
Benzene	23.7	0.50	ug/l	25.0	ND	95	60-125			
Ethylbenzene	25.0	0.50	ug/l	25.0	ND	100	65-130			
Toluene	24.1	0.50	ug/l	25.0	ND	96	65-125			
o-Xylene	23.7	0.50	ug/l	25.0	ND	95	60-125			
m,p-Xylenes	49.0	1.0	ug/l	50.0	ND	98	60-130			
Xylenes, Total	72.8	1.5	ug/l	75.0	ND	97	60-130			
Di-isopropyl Ether (DIPE)	25.3	5.0	ug/l	25.0	ND	101	60-140			
Ethyl tert-Butyl Ether (ETBE)	25.9	5.0	ug/l	25.0	ND	104	55-135			
tert-Amyl Methyl Ether (TAME)	28.3	5.0	ug/l	25.0	ND	113	55-140			
Methyl-tert-butyl Ether (MTBE)	28.2	1.0	ug/l	25.0	ND	113	50-150			
tert-Butanol (TBA)	111	25	ug/l	125	ND	89	60-145			
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Matrix Spike Dup Analyzed: 05/14/2005 (5E14012-MSD1)					**Source: IOE0599-05**					
Benzene	23.3	0.50	ug/l	25.0	ND	93	60-125	2	20	
Ethylbenzene	25.3	0.50	ug/l	25.0	ND	101	65-130	1	20	
Toluene	23.4	0.50	ug/l	25.0	ND	94	65-125	3	20	
o-Xylene	24.4	0.50	ug/l	25.0	ND	98	60-125	3	20	
m,p-Xylenes	49.5	1.0	ug/l	50.0	ND	99	60-130	1	25	
Xylenes, Total	73.9	1.5	ug/l	75.0	ND	99	60-130	1	20	
Di-isopropyl Ether (DIPE)	22.8	5.0	ug/l	25.0	ND	91	60-140	10	25	
Ethyl tert-Butyl Ether (ETBE)	20.8	5.0	ug/l	25.0	ND	83	55-135	22	25	
tert-Amyl Methyl Ether (TAME)	20.5	5.0	ug/l	25.0	ND	82	55-140	32	30	*R*
Methyl-tert-butyl Ether (MTBE)	18.5	1.0	ug/l	25.0	ND	74	50-150	42	25	*R*
tert-Butanol (TBA)	130	25	ug/l	125	ND	104	60-145	16	25	
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			

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Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E15002 Extracted: 05/15/05										
Blank Analyzed: 05/15/2005 (5E15002-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	*28.1*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
LCS Analyzed: 05/15/2005 (5E15002-BS1)										
Benzene	22.6	0.50	ug/l	25.0		90	65-120			
Ethylbenzene	21.3	0.50	ug/l	25.0		85	70-125			
Toluene	22.3	0.50	ug/l	25.0		89	70-125			
o-Xylene	21.8	0.50	ug/l	25.0		87	70-125			
m,p-Xylenes	43.3	1.0	ug/l	50.0		87	70-125			
Xylenes, Total	65.1	1.5	ug/l	75.0		87	70-125			
Di-isopropyl Ether (DIPE)	22.3	5.0	ug/l	25.0		89	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.4	5.0	ug/l	25.0		90	60-135			
tert-Amyl Methyl Ether (TAME)	25.4	5.0	ug/l	25.0		102	60-135			
Methyl-tert-butyl Ether (MTBE)	24.8	1.0	ug/l	25.0		99	55-140			
tert-Butanol (TBA)	105	25	ug/l	125		84	65-135			
Surrogate: Dibromofluoromethane	*28.1*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			

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Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E15002 Extracted: 05/15/05										
Matrix Spike Analyzed: 05/15/2005 (5E15002-MS1)					**Source: IOE0727-01**					
Benzene	23.8	0.50	ug/l	25.0	ND	95	60-125			
Ethylbenzene	21.6	0.50	ug/l	25.0	ND	86	65-130			
Toluene	23.4	0.50	ug/l	25.0	ND	94	65-125			
o-Xylene	22.2	0.50	ug/l	25.0	ND	89	60-125			
m,p-Xylenes	43.8	1.0	ug/l	50.0	ND	88	60-130			
Xylenes, Total	66.0	1.5	ug/l	75.0	ND	88	60-130			
Di-isopropyl Ether (DIPE)	23.9	5.0	ug/l	25.0	ND	96	60-140			
Ethyl tert-Butyl Ether (ETBE)	24.0	5.0	ug/l	25.0	ND	96	55-135			
tert-Amyl Methyl Ether (TAME)	26.8	5.0	ug/l	25.0	ND	107	55-140			
Methyl-tert-butyl Ether (MTBE)	26.3	1.0	ug/l	25.0	ND	105	50-150			
tert-Butanol (TBA)	102	25	ug/l	125	ND	82	60-145			
Surrogate: Dibromofluoromethane	*29.2*		*ug/l*	*25.0*		*117*	*80-120*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Matrix Spike Dup Analyzed: 05/15/2005 (5E15002-MSD1)					**Source: IOE0727-01**					
Benzene	24.1	0.50	ug/l	25.0	ND	96	60-125	1	20	
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	65-130	1	20	
Toluene	23.6	0.50	ug/l	25.0	ND	94	65-125	1	20	
o-Xylene	22.7	0.50	ug/l	25.0	ND	91	60-125	2	20	
m,p-Xylenes	44.6	1.0	ug/l	50.0	ND	89	60-130	2	25	
Xylenes, Total	67.3	1.5	ug/l	75.0	ND	90	60-130	2	20	
Di-isopropyl Ether (DIPE)	24.7	5.0	ug/l	25.0	ND	99	60-140	3	25	
Ethyl tert-Butyl Ether (ETBE)	25.1	5.0	ug/l	25.0	ND	100	55-135	4	25	
tert-Amyl Methyl Ether (TAME)	28.1	5.0	ug/l	25.0	ND	112	55-140	5	30	
Methyl-tert-butyl Ether (MTBE)	28.4	1.0	ug/l	25.0	ND	114	50-150	8	25	
tert-Butanol (TBA)	102	25	ug/l	125	ND	82	60-145	0	25	
Surrogate: Dibromofluoromethane	*29.7*		*ug/l*	*25.0*		*119*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			

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Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E16003 Extracted: 05/16/05										
Blank Analyzed: 05/16/2005 (5E16003-BLK1)										
Benzene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
o-Xylene	ND	0.50	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Xylenes, Total	ND	1.5	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
tert-Butanol (TBA)	ND	25	ug/l							
Surrogate: Dibromofluoromethane	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
LCS Analyzed: 05/16/2005 (5E16003-BS1)										
Benzene	24.0	0.50	ug/l	25.0		96	65-120			*M-3*
Ethylbenzene	22.2	0.50	ug/l	25.0		89	70-125			
Toluene	23.4	0.50	ug/l	25.0		94	70-125			
o-Xylene	22.8	0.50	ug/l	25.0		91	70-125			
m,p-Xylenes	44.9	1.0	ug/l	50.0		90	70-125			
Xylenes, Total	67.6	1.5	ug/l	75.0		90	70-125			
Di-isopropyl Ether (DIPE)	25.8	5.0	ug/l	25.0		103	60-135			
Ethyl tert-Butyl Ether (ETBE)	25.9	5.0	ug/l	25.0		104	60-135			
tert-Amyl Methyl Ether (TAME)	28.8	5.0	ug/l	25.0		115	60-135			
Methyl-tert-butyl Ether (MTBE)	28.3	1.0	ug/l	25.0		113	55-140			
tert-Butanol (TBA)	119	25	ug/l	125		95	65-135			
Surrogate: Dibromofluoromethane	*28.5*		*ug/l*	*25.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			

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Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES by GC/MS (EPA 8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5E16003 Extracted: 05/16/05										
Matrix Spike Analyzed: 05/16/2005 (5E16003-MS1)					**Source: IOE0599-08**					
Ethylbenzene	83.9	1.0	ug/l	50.0	37	94	65-130			
Toluene	54.2	1.0	ug/l	50.0	4.9	99	65-125			
o-Xylene	49.9	1.0	ug/l	50.0	2.0	96	60-125			
m,p-Xylenes	121	2.0	ug/l	100	27	94	60-130			
Xylenes, Total	171	3.0	ug/l	150	29	95	60-130			
Di-isopropyl Ether (DIPE)	56.2	10	ug/l	50.0	0.78	111	60-140			
Ethyl tert-Butyl Ether (ETBE)	55.3	10	ug/l	50.0	ND	111	55-135			
tert-Amyl Methyl Ether (TAME)	62.0	10	ug/l	50.0	ND	124	55-140			
Methyl-tert-butyl Ether (MTBE)	62.7	2.0	ug/l	50.0	2.3	121	50-150			
tert-Butanol (TBA)	262	50	ug/l	250	ND	105	60-145			
Surrogate: Dibromofluoromethane	*58.2*		*ug/l*	*50.0*		*116*	*80-120*			
Surrogate: Toluene-d8	*53.0*		*ug/l*	*50.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*54.9*		*ug/l*	*50.0*		*110*	*80-120*			
Matrix Spike Dup Analyzed: 05/16/2005 (5E16003-MSD1)					**Source: IOE0599-08**					
Ethylbenzene	84.2	1.0	ug/l	50.0	37	94	65-130	0	20	
Toluene	56.1	1.0	ug/l	50.0	4.9	102	65-125	3	20	
o-Xylene	50.9	1.0	ug/l	50.0	2.0	98	60-125	2	20	
m,p-Xylenes	123	2.0	ug/l	100	27	96	60-130	2	25	
Xylenes, Total	174	3.0	ug/l	150	29	97	60-130	2	20	
Di-isopropyl Ether (DIPE)	57.0	10	ug/l	50.0	0.78	112	60-140	1	25	
Ethyl tert-Butyl Ether (ETBE)	56.6	10	ug/l	50.0	ND	113	55-135	2	25	
tert-Amyl Methyl Ether (TAME)	63.1	10	ug/l	50.0	ND	126	55-140	2	30	
Methyl-tert-butyl Ether (MTBE)	64.1	2.0	ug/l	50.0	2.3	124	50-150	2	25	
tert-Butanol (TBA)	263	50	ug/l	250	ND	105	60-145	0	25	
Surrogate: Dibromofluoromethane	*57.0*		*ug/l*	*50.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*53.5*		*ug/l*	*50.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/l*	*50.0*		*109*	*80-120*			

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2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

DATA QUALIFIERS AND DEFINITIONS

ID	Due to the low levels of analyte found in the sample, the analyte was qualitatively identified based on the compound's retention time and the presence of a single mass ion.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M-3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the Blank Spike (LCS).
R	The RPD exceeded the method control limit due to sample matrix effects. The individual analyte QA/QC recoveries, however, were within acceptance limits.
R-3	The RPD exceeded the method control limit due to sample matrix effects.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

For Volatile Fuel Hydrocarbons (C4-C12):

Volatile Fuel Hydrocarbons (C4-C12) are quantitated against a gasoline standard. Quantitation begins immediately before TBA-d9.

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

Del Mar Analytical

17461Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 260-3297
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (949) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

SECOR-San Diego/ChevronTexaco
2655 Camino del Rio North, Suite 302
San Diego, CA 92108
Attention: Kim Thompson

Project ID: CVX 9-1834

Report Number: IOE0599

Sampled: 05/05/05
Received: 05/10/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 8260B	Water	X	X
TPH by GC/MS	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical.

050 10E0599

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 1 of 2

Chevron Site Global ID: T0607302116
Chevron Site Number: 9-1834
Chevron Site Address: 4175 Voltaire Street
San Diego, CA
Chevron PM: Eric Roehl
Chevron PM Phone No.: (714) 671-3200

☑ Retail and Terminal Business Unit (RTBU) Job
Charge Code: NWRTB - 0 0 9 1 8 3 4 - 0 - O M L
NWRTB 00SITE NUMBER -0- WBS
(**WBS ELEMENTS**: SITE ASSMT: **A1L**/SITE MONT.:**OML**/REMD. IMPL.:**R5L**/OP. MAINT. & MON.: **M1L**)

☐ Construction/Retail Job

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Chevron Consultant: SECOR International, Inc.
Address: 2655 Camino Del Rio N., #302, S.D., CA 92108
Consultant Contact: Kim Thompson/Cell (619) 865-2671
Consultant Phone No. (619) 296-6195
Consultant Project No. 08CH.41834.05
Sampling Company: SECOR International, Inc.
Sampled By (Print): [illegible]
Sampler Signature: [illegible]

Del Mar Analytical
☑ Irvine, CA
☐ Colton, CA
Lab Contact: K Robb
Phone No:
☑ (949) 261-1022
☐ (909) 370-4667

Lancaster Laboratories
☐ Lancaster, PA
Lab Contact:
Teresa Cunningham
Phone No:
☐ (717) 656-2300

Other Lab

ANALYSES REQUIRED

Special Instructions: Please use County of SD detection limits. Send EDF & PDF to szuniga@secor.com

Temp. Blank Check

Time	Temp.
1100	3
1200	3
1300	3
1400	3
1500	3

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	Container Type	# of Containers	Preservation	EPA 8015B GRO ☐ DRO ☐ ORO ☐ TPHd ☐ HC SCREEN ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 8260B TPH-G ☑ BTEX ☑ MTBE ☑ OXYGENATES ☑ HVOC ☐	EPA 6010 CA, FE, K, MG, MN, NA ☐	EPA 6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA 150.1 PH ☐	EPA 310.1 ALKALINITY ☐	SM 2510B SPECIFIC CONDUCTIVITY ☐	EPA 418.1 TRPH ☐	EPA 413.1 OIL/GREASES ☐				Notes/Comments
QA	T	—	050505	—	VOA, 40mL	6	HCL & ICE			X											
MW-1	W			1433	VOA, 40mL	6	HCL & ICE			X											
MW-2	W			1413	VOA, 40mL	6	HCL & ICE			X											
MW-3	W			1329	VOA, 40mL	6	HCL & ICE			X											
MW-4	W			1118	VOA, 40mL	6	HCL & ICE			X											
MW-5	W			1207	VOA, 40mL	6	HCL & ICE			X											
MW-6	W			1173	VOA, 40mL	6	HCL & ICE			X											
MW-7	W			1448	VOA, 40mL	6	HCL & ICE			X											
MW-8	W			1208	VOA, 40mL	6	HCL & ICE			X											
MW-9	W			1441	VOA, 40mL	6	HCL & ICE			X											

Relinquished By	Company	Date/Time	Relinquished To	Company
[illegible]	SECOR	5/10/05 1200	[illegible]	DMAZ
[illegible]	DMAZ	5/10/05 1600	[illegible]	[illegible]

Turnaround Time: 24 Hours ☐ Standard ☑ 48 hours ☐ Other ☐

Sample Integrity: (Check by lab on arrival)
Intact: ✓ On Ice: ✓ Temp: 1°C

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 2 of 2

Chevron Site Global ID: T0607302116
Chevron Site Number: 9-1834
Chevron Site Address: 4175 Voltaire Street
San Diego, CA
Chevron PM: Eric Roehl
Chevron PM Phone No: (714) 671-3200

☑ Retail and Terminal Business Unit (RTBU) Job
Charge Code: NWRTB - 0 0 9 1 8 3 4 - 0 - O M L
NWRTB 00SITE NUMBER -0- WBS
(**WBS ELEMENTS**: SITE ASSMT: **A1L**/SITE MONT.:**OML**/REMD. IMPL.:**R5L**/OP. MAINT. & MON.: **M1L**)

☐ Construction/Retail Job

*THIS IS A **LEGAL** DOCUMENT. **ALL** FIELDS MUST BE FILLED OUT **CORRECTLY AND COMPLETELY.***

Chevron Consultant: SECOR International, Inc.
Address: 2655 Camino Del Rio N., #302, S.D., CA 92108
Consultant Contact: Kim Thompson/Cell (619) 865-2671
Consultant Phone No. (619) 296-6195
Consultant Project No. 08CH.41834.05
Sampling Company: SECOR International, Inc.
Sampled By (Print): [illegible]
Sampler Signature: [illegible]

Del Mar Analytical	Lancaster Laboratories	Other Lab
☑ Irvine, CA	☐ Lancaster, PA	
☐ Colton, CA	Lab Contact: Teresa Cunningham	
Lab Contact:	Phone No:	
Phone No:	☐ (717) 656-2300	
☑ (949) 261-1022		
☐ (909) 370-4667		

ANALYSES REQUIRED

Special Instructions: Please use County of SD detection limits. Send EDF & PDF to szuniga@secor.com

Temp. Blank Check

Time	Temp.
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	Container Type	# of Containers	Preservation	EPA 8015B GRO ☐ DRO ☐ ORO ☐ TPHd ☐ HC SCREEN ☐	EPA 8021B BTEX ☐ MTBE ☐	EPA 8260B TPH-G ☑ BTEX ☑ MTBE ☑ OXYGENATES ☑ HVOC ☐	EPA 6010 CA, FE, K, MG, MN, NA ☐	EPA 6010/7000 TITLE 22 METALS ☐ TTLC ☐ STLC ☐	EPA 150.1 PH ☐ / EPA 310.1 ALKALINITY ☐	SM 2510B SPECIFIC CONDUCTIVITY ☐	EPA 418.1 TRPH ☐ / EPA 413.1 OIL/GREASES ☐				Notes/Comments
MW-10	W			1114	VOA, 40mL	6	HCL & ICE			X									
MW-11	W			1222	VOA, 40mL	6	HCL & ICE			X									
MW-12	W			1303	VOA, 40mL	6	HCL & ICE			X									

Relinquished By	Company	Date/Time	Relinquished To	Company
[illegible]	SECOR	5/10/05 1240	Date/Time: 5-10-05 1240	[illegible]
[illegible] DMHZ		5/10/05 1600	Date/Time: [illegible]	5/10/05 1600
Relinquished By	Company	Date/Time:	Relinquished To Date/Time:	Company

Turnaround Time:
24 Hours ☐ Standard ☑
48 hours ☐ Other ☐

Sample Integrity: (Check by lab on arrival)
Intact: X On Ice: X Temp: 1°C

APPENDIX B
MONITORING WELL GAUGING LOG
AND WELL PURGING AND SAMPLING LOGS

FORMER CHEVRON 9-1834
Revised 1/5/05

SECOR JOB #: **08CH.41834.05.0790**

PM: Kim Thompson
Cell: (619) 865-2671

Store Address: 4175 Voltaire Street
San Diego, California

* MW-1 4 VOAs good
2 VOAs w/ small bubbles

Telephone Number: Not Available

NOTES: Gauge, purge and sample 12 wells (11 onsite, 1 well offsite in Voltaire Street). Reduced sampling schedule first and third quarter (see attached sampling schedule table).

MW-1 and MW-9: PURGE ENTIRE WELL VOLUME, THEN NOTE IF SHEEN IS PRESENT. SAMPLE WELLS EVEN IF SHEEN IS PRESENT AFTER 80% RECHARGE.

Groundwater and Well Characteristics:

- DTW usually 49 to 54 feet bgs.
- LPH reported historically in MW-1, MW-9.
- Be sure to decontaminate properly to avoid cross-contamination.
- 6 VOAs per well.
- Do NOT sample wells with sheen.

Analyses: Analyze TPH-g, BTEX, MTBE, and Oxys by 8260B. Use Del Mar Labs - Irvine, contact is Kathleen Robb (949) 261-1022. DO NOT put DTW on COC.

- GID: T0607302116
- Service Order Number: 4644382
- Charge Code: NWRTB-0091834-0-OML
- Chevron PM is Eric Roehl, (714) 671-3347

On a separate form-note all well conditions-surface seal, box conditions, locks, etc. Replace gaskets, bolts, clean threads, tap bolt holes as needed.

Purged groundwater should be placed in clean empty drums. Label each drum with a **green Non-hazardous Waste** label filled out as follows:

- Generator is Chevron # 9-1834, 4175 Voltaire Street, San Diego, CA
- Contents: Purged Groundwater
- Contact: SECOR (619) 296-6195
- Date contents placed in drum

Number each drum and indicate contents on Drum Inventory. Note any additional drums onsite on Drum Inventory.

Remediation System: A Soil Vapor Extraction (SVE) system is in operation at the site. The SVE system should not be operational during the groundwater sampling. Contact Kim Thompson, Kelsi Nelson or Rich Yager if the system is operational when you arrive at the site.

Wicks are located in wells MW-1 and MW-9.

Notify PM or any unusual conditions at the site ASAP.

SECOR International Incorporated

DAILY FIELD LOG:

Job Number 08CH.41834.05 / 0790

SAMPLER(s): EL, DL

Arrived on Site:

STATION NO.: Chevron #9-1834

Departed Site:

Blind Number		Station ID	Station Type	Matrix	Analyses	Preserv.	No. of Sample Containers & Type	Sample Depth (feet)		Sample Date	Sample Time	COC No.	Comments
Sample ID	Cond. ID							Top	Bottom				
MW-1	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	52.25	n/a	3/1/2005	1309		
MW-2	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	—	n/a	3/1/2005	—		
MW-3	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	—	n/a	3/1/2005	—		
MW-4	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	—	n/a	3/1/2005	—		
MW-5	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	—	n/a	3/1/2005	—		
MW-6	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	—	n/a	3/1/2005	—		
MW-7	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	51.29	n/a	3/1/2005	1124		
MW-8	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	—	n/a	3/1/2005	—		
MW-9	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	53.09	n/a	3/1/2005	1218		
MW-10	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	—	n/a	3/1/2005	—		

QC Sample Checklist:

Source Water #: —

Trip Blank #: Y

Atmospheric Blank #: —

Temp. Blank: Y

Field Dup. #: —

Rinsate #: —

DATA RECORDED BY EL DATE 3/1/2005 CHECKED & REVIEWED BY TDB DATE

COMMENTS:

SECOR International Incorporated

SAMPLER(s): _____

DAILY FIELD LOGBOOK: _____

STATION NO.: Chevron #9-1834

Job Number 08CH.41834.05 / 0790

Arrived on Site: _____

Departed Site: _____

Blind Number		Station ID	Station Type	Matrix	Analyses	Preserv.	No. of Sample Containers & Type	Sample Depth (feet)		Sample Date	Sample Time	COC No.	Comments
Sample ID	Cond. ID							Top	Bottom				
MW-11	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	—	n/a	3/1/2005	—		
MW-12	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	—	n/a	3/1/2005	—		

QC Sample Checklist:

Source Water #: _____ Trip Blank #: _____ Atmospheric Blank #: _____

Temp. Blank: _____ Field Dup. #: _____ Rinsate #: _____

DATA RECORDED BY _____ DATE 3/1/2005 CHECKED & REVIEWED BY TDB DATE _____

COMMENTS:

SECOR

DAILY FIELD NOTES

Page: 1 of 1
Date: 3/1/2005

Client: CHEVRON	Site No: 9-1834	Project No: 08CH.41834.05 / 0790

Scope of Work: 1st Quarter Groundwater Monitoring/Sampling

Describe Daily Activities:

Number of drums left on site: 2 full (3/1/05) 5 empty; 1 full

Gauged 12 monitoring wells.
Purged 3 monitoring wells.
Sampled 3 monitoring wells.

Field Calibration Buffers:		Actual Readings
pH	4.00	4.02
pH	7.00	6.98
pH	10.00	10.01
Conductivity	1413	1412

Field Notes:

0840 - arrive onsite, HASP, locate wells, called TB to get about wells attached to system. review TC plan.
0910 - set up TC & remove MW 1, 7, 9 cap. → gauge
0935 - broke down TC - called off - gauged onsite wells. → paperwork
1100 - begin purge in given order (7, 9, 1)
1315 - sampled last well - cleaned up.
1400 depart site.

Mob / Demob Time: 1hr
Travel Time: 25 min

Arrived on site: 0840
Departed site:

Decontamination Procedures: **3-Stage (Alconox Wash, Tap Water Rinse, & Distilled Water Rinse)**

Daily Health and Safety Log Completed?: y

Utility Locations Checked?: —

Important Conversations:

TC Calloff Confirmation Number:

Important Changes in Scope of Work:

Weather Conditions: warm / sunny

Subcontractors On Site: **TCS** **Other:** EC46203

SECOR Personnel On Site: EY, DY

Signed: _____ Date: 3/1/05

SECOR International Incorporated

Depth to Water Gauging Log

Project and Job Number: 08CH.41834.05 / 0790

Station No: Chevron #9-1834

Site: 4175 Voltaire Street, San Diego, CA

Checked By: TDB

Well ID No.	Date	Time	Instrument / Serial Number	Measured by:	Reference Point Elevation [1] (feet)	Depth to Water (feet)	Depth to LPH [3] (feet)	Water Level Elevation [2] (feet)	Remarks
MW-1	03/01/05	1030	8	DK	69.59	52.14	—	17.45	sheen / HC odor
MW-2	03/01/05	1015	8	DK	68.02	49.76	—	18.26	
MW-3	03/01/05	1011	8	EK	68.01	49.68	—	18.33	
MW-4	03/01/05	0955	8	DK	69.85	51.23	—	18.62	
MW-5	03/01/05	1007	8	EK	67.37	49.17	—	18.20	
MW-6	03/01/05	1020	8	EK	68.56	50.28	—	18.28	
MW-7	03/01/05	1029	8	EK	68.52	51.20	—	17.32	
MW-8	03/01/05	0945	8	EK	70.50	51.66	—	18.84	
MW-9	03/01/05	1034	8	DK	69.37	51.78	—	17.59	strong HC odor
MW-10	03/01/05	0924	8	DK	68.07	50.72	—	17.35	
MW-11	03/01/05	1022	8	EK	70.20	51.90	—	18.30	
MW-12	03/01/05	1002	8	DK	71.65	52.89	—	18.76	

Notes:
1 - feet above mean sea level unless noted otherwise
2 - elevation adjusted by adding (.75 x product thickness) to measured water elevation
3 - LPH = free product

SECOR

International Incorporated

Monitoring Well Inspection Report

Site No. & Name: **Chevron #9-1834** Date: **3/1/2005**

Project Number: 08CH.41834.05 / 0790 Field Personnel: EK, DK

	Well Location Number:	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
EXTERIOR	Well Perimeter Seal Condition (G-Good P-Poor)	G	G	G	G	G	G	G	G
	Well Structure Drainage (G-Good P-Poor)	G	G	G	G	G	G	G	G
	Properly Secured (Y-Yes N-No)	Y	Y	Y	Y	Y	Y	Y	Y
	Type of Well Vault (E=EMCO Wheaton M=Morrison V=Vault)	SYS	E	E	E	E	E	SYS	E
INTERIOR	Type of Well Seal (Dirt, Concrete, etc.)	—	C	C	C	C	C	—	C
	Well Casing Type (i.e. 2" or 4")	4	4	4	4	4	4	4	4
	Locking Cap Condition (G-Good P-Poor)	/	G	G	G	G	G	G	G
	Rubber Seal Condition (G-Good P-Poor)	—	G	G	G	G	G	/	P
	Lock on Well (Y-Yes N-No)	N	Y	Y	N	Y	Y	N	Y
	Liquid Present in Well Vault (Y-Yes N-No)	—	N	N	Y	N	N	—	N

	Well Location Number:	MW-9	MW-10	MW-11	MW-12				
EXTERIOR	Well Perimeter Seal Condition (G-Good P-Poor)	G	G	G	G				
	Well Structure Drainage (G-Good P-Poor)	G	G	G	G				
	Properly Secured (Y-Yes N-No)	Y	Y	N	N				
	Type of Well Vault (E=EMCO Wheaton M=Morrison V=Vault)	SYS	E	E	E				
INTERIOR	Type of Well Seal (Dirt, Concrete, etc.)	—	C	C	C				
	Well Casing Type (i.e. 2" or 4")	4	4	4	4				
	Locking Cap Condition (G-Good P-Poor)	/	G	G	P				
	Rubber Seal Condition (G-Good P-Poor)	/	G	G	G				
	Lock on Well (Y-Yes N-No)	N	Y	Y	Y				
	Liquid Present in Well Vault (Y-Yes N-No)	—	N	N	N				

Comments: MW4 - no lock - replaced MW12 - bolts sticking up - retaped & locking cap replaced MW11 bolts stripped.

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 1
Project Number:	08CH.41834.05 / 0790	Date:	3/1/2005
SECOR Rep: DK / EK	Checked by: TDB	Sample Time:	1309
		Sample No:	MW- 1

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 8

Purging Equipment / Method: ___ Vac Truck ___ Bailer X Submersible Pump ___ Other

pH Temp/Conductivity Meter Type / ID: 1

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 52.14

Total Well Depth (DTB) (ft): 69.00

Water Column: 16.86

Floating Product:

Thickness (in):

Borehole Volume (gal): 25.29

1.5 Borehole Volumes (gal): 37.93

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1244	Started Purging					
1258	53.03	25	6.72	21.9	5360	black, HC odor
1304	52.65	33	6.75	22.1	5400	~~black~~ / clear HC odor
1309	52.25	Sample				

Maximum Drawdown (DTW_2) (ft) = 53.03

H^2O Removal Rate (GPM) = 1.65

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1309

Depth to Water at time of sampling (DTW_3): 52.25

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 (DTB-DTW_1)
2	10	1.14 (DTB-DTW_1)
4	10	1.50 (DTB-DTW_1)
4	12	1.95 (DTB-DTW_1)
6	10	2.11 (DTB-DTW_1)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(52.14)-(52.25)}{(52.14)-(53.03)} = \frac{-0.11}{-0.89} = 88\ \%$$

80% Recharge = 52.32

6

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 7
Project Number:	08CH.41834.05 / 0790	Date:	3/1/2005
SECOR Rep: FK / DK	Checked by: YOB	Sample Time:	1124
		Sample No:	MW- 7

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 8

Purging Equipment / Method: ___ Vac Truck ___ Bailer X Submersible Pump ___ Other

pH Temp/Conductivity Meter Type / ID: 1

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 51.20

Total Well Depth (DTB) (ft): 69.10

Water Column: 17.90

Floating Product: —

Thickness (in): —

Borehole Volume (gal): 26.85

1.5 Borehole Volumes (gal): 40.27

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1103	Started Purging					
1113	51.70	~~40.5~~ 27	6.84	21.9	5440	clear, slight HC odor
1118	52.20	40.5	6.80	21.8	5310	grey, slight HC odor
1124	51.29	SAMPLE				

Maximum Drawdown (DTW_2) (ft) = 52.20

H^2O Removal Rate (GPM) = 2.70

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1124

Depth to Water at time of sampling (DTW_3): 51.29

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 (DTB-DTW_1)
2	10	1.14 (DTB-DTW_1)
4	10	1.50 (DTB-DTW_1)
4	12	1.95 (DTB-DTW_1)
6	10	2.11 (DTB-DTW_1)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(51.2)-(51.29)}{(51.2)-(52.2)} = \frac{0.09}{1.0}$$

$$= 91\ \%$$

80% Recharge = 51.40

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 9
Project Number:	08CH.41834.05 / 0790	Date:	3/1/2005
SECOR Rep: DK/EG	Checked by: HDB	Sample Time:	1218
		Sample No:	MW- 9

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 8

Purging Equipment / Method: ___ Vac Truck ___ Bailer X Submersible Pump ___ Other

pH Temp/Conductivity Meter Type / ID: 1

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 51.78

Total Well Depth (DTB) (ft): 66.90

Water Column: 15.12

Floating Product: —

Thickness (in): —

Borehole Volume (gal): 22.68

1.5 Borehole Volumes (gal): 34.02

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1152	Started Purging					
1209	58.97	23	7.04	22.1	4250	CLEAR + ODOR
1215	54.75	34.5	7.08	22.0	4350	" "
1218	53.09	SAMPLE				

Maximum Drawdown (DTW_2) (ft) = 58.97

H^2O Removal Rate (GPM) = 1.5

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1218

Depth to Water at time of sampling (DTW_3): 53.09

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(51.78) - (53.09)}{(51.78) - (58.97)} = \frac{-1.31}{-7.19}$$

$$= 81\ \%$$

80% Recharge = 53.21

SECOR International Incorporated

Soil and Groundwater Sample Temperature Log

This document must accompany the Chain-of-Custody form at all times

Project Name: Chevron #9-1834

Project Number: 08CH.41834.05 / 0790

Chain-of Custody Number:

SECOR Rep(s): EK, DK

Sample Date(s): 3/1/2005

Date	Time	Sample Location/Container	Temperature*	Temperature Taken By: Name	Company	Initials
3/1/05	1140	cooler/ice	2°	E. Leahorey	Secor	EL
↓	1220	↓	4°	↓	↓	EL
	1315		4°			EL
	1350		4°			EL

* Measured from temperature blank, which must be stored with samples at all times.

INVENTORY OF DRUM(S) AT PROJECT SITE

This form offers notification that material stored in drums is present at the following job site:

Facility # Chevron #9-1834

Address 4175 Voltaire Street, San Diego, CA

The material in the drum(s) has been analyzed in the laboratory to evaluate levels of any contaminants and the most cost effective means of disposal or treatment. The date the material was placed in the drums was: 3/1/2005

The identifcation on each drum and its contents are as follows:

Drum I.D. Number	Well I.D. Number(s)	Boring I.D. Number(s)	Volume in Drum	Soil or Water	Lab Result
1	7, 9	—	55	W	—
2	9, 1, decon	—	55	W	—
~~3~~	~~1, decon~~	EE			

The laboratory analyses are attached. —

Summary: Total # of Drums w/ Soil _____ Volume _____

Total # of Drums w/ Water 2 Volume

Consultants Name: Secor

Project Manager's Name: Kim Thompson

WELL SAMPLING ORDER: (cleanest to dirtiest) MW-4, MW-10, MW-11, MW-12, MW-6, MW-8, MW-5, MW-3, MW-2, MW-7, MW-9, MW-1

Chevron 9-1834 Groundwater Sampling Schedule 2005					
Well ID	**1Q05**	**2Q05**	**3Q05**	**4Q05**	**Notes**
MW-1	X	X	X	X	**Sheen**
MW-2		X		X	
MW-3		X		X	
MW-4		X		X	
MW-5		X		X	
MW-6		X		X	
MW-7	X	X	X	X	
MW-8		X		X	
MW-9	X	X	X	X	**Sheen**
MW-10		X		X	**TC Required**
MW-11		X		X	
MW-12		X		X	

KT

SECOR

DAILY FIELD NOTES

Page: 1 of 1
Date: 5/5/2005

Client: CHEVRON	Site No: 9-1834	Project No: 08CH.41834.05 / 0790

Scope of Work: 2nd Quarter Groundwater Monitoring/Sampling

Describe Daily Activities:

Number of drums left on site: 6

Gauged 12 monitoring wells.
Purged 12 monitoring wells.
Sampled 12 monitoring wells.

Field Calibration Buffers:		Actual Readings
pH	4.00	4.01
pH	7.00	7.04
pH	10.00	10.09
Conductivity	1413	1410

Field Notes:

0900 - arrive, HASP, setup/decon/calibrate
0925 - begin gauge/TC setup
1015 - complete guage/prepare purge
1040 - begin purge
1500 - complete purge/sample
- cleanup
1545 - depart

Mob / Demob Time: ~2h
Travel Time: ~30 min

Arrived on site: 0900
Departed site: 1545

Decontamination Procedures: **3-Stage (Alconox Wash, Tap Water Rinse, & Distilled Water Rinse)**

Daily Health and Safety Log Completed?: Y

Utility Locations Checked?: Y

Important Conversations: N

TC Calloff Confirmation Number: EC51234

Important Changes in Scope of Work: N

Weather Conditions: hot/hazy

Subcontractors On Site: **TCS** **Other:** NA

SECOR Personnel On Site: JM - MN - IC

Signed: [signature]

Date: 050505

SECOR International Incorporated

Depth to Water Gauging Log

Project and Job Number: 08CH.41834.05 / 0790

Station No: Chevron #9-1834

Site: 4175 Voltaire Street, San Diego, CA

Checked By: TDB

Well ID No.	Date	Time	Instrument / Serial Number	Measured by:	Reference Point Elevation [1] (feet)	Depth to Water (feet)	Depth to LPH [3] (feet)	Water Level Elevation [2] (feet)	Remarks
MW-1	05/05/05	1010	2	IC	69.59	51.86		17.73	
MW-2	05/05/05	0955	2	IC	68.02	49.41		18.61	
MW-3	05/05/05	0945	2	IC	68.01	49.39		18.62	
MW-4	05/05/05	0942	2	IC	69.85	50.93		18.92	
MW-5	05/05/05	0949	2	IC	67.37	48.90		18.47	
MW-6	05/05/05	1001	2	IC	68.56	50.02		18.54	
MW-7	05/05/05	1005	2	IC	68.52	50.88		17.64	
MW-8	05/05/05	0937	2	IC	70.50	51.41		19.09	
MW-9	05/05/05	1015	2	IC	69.37	51.47		17.90	
MW-10	05/05/05	1002	8	JM	68.07	50.40		17.67	
MW-11	05/05/05	1012	8	JM	70.20	51.58		18.62	
MW-12	05/05/05	1015	8	JM	71.65	52.51		19.14	

Notes:
1 - feet above mean sea level unless noted otherwise
2 - elevation adjusted by adding (.75 x product thickness) to measured water elevation
3 - LPH = free product

* Solo 2 + Solo 8 Synchronized

SECOR

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Monitoring Well Inspection Report

Site No. & Name: **Chevron #9-1834** Date: **5/5/2005**

Project Number: 08CH.41834.05 / 0790 Field Personnel: MNJmis.

	Well Location Number:		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
EXTERIOR	Well Perimeter Seal Condition	G-Good P-Poor	G	G	G	G	G	G	G	G
	Well Structure Drainage	G-Good P-Poor	G	G	G	G	G	G	G	G
	Properly Secured	Y-Yes N-No	Y	Y	Y	Y	Y	Y	Y	Y
	Type of Well Vault	(E=EMCO Wheaton M=Morrison V=Vault)	M	E	E	E	E	E	M	E
INTERIOR	Type of Well Seal (Dirt, Concrete, etc.)		C	C	C	C	C	C	C	C
	Well Casing Type	(i.e. 2" or 4")	4	4	4	4	4	4	4	4
	Locking Cap Condition	G-Good P-Poor	G	G	G	G	G	G	G	G
	Rubber Seal Condition	G-Good P-Poor	G	G	G	G	G	G	G	G
	Lock on Well	Y-Yes N-No	Y	Y	Y	Y	Y	Y	Y	Y
	Liquid Present in Well Vault	Y-Yes N-No	N	N	Y	N	N	N	N	N

	Well Location Number:		MW-9	MW-10	MW-11	MW-12				
EXTERIOR	Well Perimeter Seal Condition	G-Good P-Poor	G	G	G	G				
	Well Structure Drainage	G-Good P-Poor	G	P	G	G				
	Properly Secured	Y-Yes N-No	Y	Y	Y	Y				
	Type of Well Vault	(E=EMCO Wheaton M=Morrison V=Vault)	M	E	E	E				
INTERIOR	Type of Well Seal (Dirt, Concrete, etc.)		C	D	C	C				
	Well Casing Type	(i.e. 2" or 4")	4	4	4	4				
	Locking Cap Condition	G-Good P-Poor	G	G	G	G				
	Rubber Seal Condition	G-Good P-Poor	G	G	G	G				
	Lock on Well	Y-Yes N-No	Y	Y	Y	Y				
	Liquid Present in Well Vault	Y-Yes N-No	N	N	N	N				

Comments:

SECOR International Incorporated

DAILY FIELD LOG:

Job Number 08CH.41834.05 / 0790

SAMPLER(s): MN-Dm-1C

Arrived on Site: 0900

STATION NO.: Chevron #9-1834

Departed Site: 1545

Blind Number		Station ID	Station Type	Matrix	Analyses	Preserv.	No. of Sample Containers & Type	Sample Depth (feet)		Sample Date	Sample Time	COC No.	Comments
Sample ID	Cond. ID							Top	Bottom				
MW-1	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	52.01	n/a	5/5/2005	1433		
MW-2	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	49.81	n/a	5/5/2005	1413		
MW-3	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	50.01	n/a	5/5/2005	13:29		
MW-4	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	51.25	n/a	5/5/2005	1118		
MW-5	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	51.23	n/a	5/5/2005	1307		
MW-6	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	50.03	n/a	5/5/2005	1123		
MW-7	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	51.02	n/a	5/5/2005	1448		
MW-8	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	51.44	n/a	5/5/2005	1208		
MW-9	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	51.73	n/a	5/5/2005	1441		
MW-10	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	50.45	n/a	5/5/2005	1114		

QC Sample Checklist:

Source Water #: NA

Trip Blank #: Y

Atmospheric Blank #: NA

Temp. Blank: Y

Field Dup. #: NA

Rinsate #: NA

DATA RECORDED BY _____ DATE 5/5/2005 CHECKED & REVIEWED BY TOB DATE _____

COMMENTS:

See field notes

SECOR International Incorporated

SAMPLER(s): MN JM IC

DAILY FIELD LOGBOOK:

STATION NO.: Chevron #9-1834

Job Number 08CH.41834.05 / 0790

Arrived on Site: 0900

Departed Site: 1545

Blind Number		Station ID	Station Type	Matrix	Analyses	Preserv.	No. of Sample Containers & Type	Sample Depth (feet)		Sample Date	Sample Time	COC No.	Comments
Sample ID	Cond. ID							Top	Bottom				
MW-11	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	51.83	n/a	5/5/2005	1222		
MW-12	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	52.60	n/a	5/5/2005	1303		

QC Sample Checklist:

Source Water #: _____ Trip Blank #: _____ Atmospheric Blank #: _____

Temp. Blank: _____ Field Dup. #: _____ Rinsate #: _____

DATA RECORDED BY _____ DATE 5/5/2005 CHECKED & REVIEWED BY TDB DATE _____

COMMENTS:

INVENTORY OF DRUM(S) AT PROJECT SITE

This form offers notification that material stored in drums is present at the following job site:

Facility # Chevron #9-1834

Address 4175 Voltaire Street, San Diego, CA

The material in the drum(s) has been analyzed in the laboratory to evaluate levels of any contaminants and the most cost effective means of disposal or treatment. The date the material was placed in the drums was: 5/5/2005

The identifcation on each drum and its contents are as follows:

Drum I.D. Number	Well I.D. Number(s)	Boring I.D. Number(s)	Volume in Drum	Soil or Water	Lab Result
1	MW-3,5,6		55	W	
2	MW-10,11,12				
3	MW-9,10,11,12				
4	MW-1,9				
5	MW-3,5,5				
6	MW-10,11,12				

The laboratory analyses are attached.

Summary: Total # of Drums w/ Soil — Volume

Total # of Drums w/ Water 6 Volume

Consultants Name: Secor

Project Manager's Name: K. Thompson

SECOR International Incorporated

Soil and Groundwater Sample Temperature Log

This document must accompany the Chain-of-Custody form at all times

Project Name: Chevron #9-1834

Project Number: 08CH.41834.05 / 0790

Chain-of Custody Number:

SECOR Rep(s): MN Am IC

Sample Date(s): 5/5/2005

				Temperature Taken By:		
Date	Time	Sample Location/Container	Temperature*	Name	Company	Initials
050505	1100	cooler	3	Cummings	Secor	[illegible]
	1200		3			[illegible]
	1300		3			[illegible]
	1400		3			[illegible]
	1500		3			[illegible]

* Measured from temperature blank, which must be stored with samples at all times.

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 1
Project Number:	08CH.41834.05 / 0790	Date:	5/5/2005
SECOR Rep:	T. Cummings	Sample Time:	1433
Checked by:	TDB	Sample No:	MW- 1

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 2

Purging Equipment / Method: ___ Vac Truck ___ Bailer ✕ Submersible Pump ___ Other

pH Temp/Conductivity Meter Type / ID: 1A

Sampling Method: ___ Teflon Bailer ✕ Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash ✕ 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 51.86

Total Well Depth (DTB) (ft): 65.90

Water Column: 14.04

Floating Product: —

Thickness (in): –

Borehole Volume (gal): 21.06

1.5 Borehole Volumes (gal): 31.59

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1357	Started Purging					
1417	52.49	21.5	6.76	23.3	4.78	grey, cloudy, strong odor
1425	52.59	32	6.70	23.3	4.78	yellow, clear, slight odor
1433	52.01	sample				

Maximum Drawdown (DTW_2) (ft) = 52.59

H^2O Removal Rate (GPM) = 1.14

✕ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1433

Depth to Water at time of sampling (DTW_3): 52.01

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(51.86) - (52.01)}{(51.86) - (52.59)} = \frac{-0.15}{-0.73}$$

$$= 80\ \%$$

80% Recharge = 52.01

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 2
	Project Name: Chevron #9-1834		Date: 5/5/2005
	Project Number: 08CH.41834.05 / 0790		Sample Time: 1413
	SECOR Rep: J. Morrell	Checked by: TDB	Sample No: MW- 2

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 8

Purging Equipment / Method: ___ Vac Truck X Bailer ___ Submersible Pump ___ Other

pH Temp/Conductivity Meter Type / ID: 3A

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): ~~8~~ 10 12

Casing Diameter (in): ~~2~~ 4

Depth to Water (DTW_1) (ft): 49.41

Total Well Depth (DTB) (ft): 63.92 Water Column: 14.51

Floating Product: Thickness (in):

Borehole Volume (gal): 21.77 1.5 Borehole Volumes (gal): 32.65

PURGING INFORMATION

	Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
71	1348	Started Purging					
93	1354	55.74	22	7.11	22.1	4.54	Tan, odor, cloudy
104	1358	57.14	33	7.11	22.1	4.58	"
	1413	49.81	sample				

Maximum Drawdown (DTW_2) (ft) = 57.14

H^2O Removal Rate (GPM) = 3.3

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1413

Depth to Water at time of sampling (DTW_3): 49.81

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	HCL & ICE or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 (DTB-DTW_1)
2	10	1.14 (DTB-DTW_1)
4	10	1.50 (DTB-DTW_1)
4	12	1.95 (DTB-DTW_1)
6	10	2.11 (DTB-DTW_1)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(49.41) - (49.81)}{(49.41) - (57.14)} = \frac{-0.40}{-7.73} = 95\ \%$$

80% Recharge = 50.95

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 3
	Project Name: Chevron #9-1834		Date: 5/5/2005
	Project Number: 08CH.41834.05 / 0790		Sample Time: 1329
	SECOR Rep: I. Cummings	Checked by: TDB	Sample No: MW- 3

PURGING & SAMPLING EQUIPMENT / METHOD	WELL SPECIFICATIONS & MEASUREMENTS	
Water Level Meter Type & ID: Solinist # 2	Borehole Diameter (in): 8 (10) 12	
Purging Equipment / Method: ___Vac Truck ___Bailer ✓ Submersible Pump ___Other	Casing Diameter (in): 2 (4)	
pH Temp/Conductivity Meter Type / ID: \	Depth to Water (DTW_1) (ft): 49.39	
Sampling Method: ___Teflon Bailer ✓ Disposable Bailer ___Other:	Total Well Depth (DTB) (ft): 63.44	Water Column: 14.05
Decontamination Method: ___Steam / High Pressure Wash ✓ 3 Stage (Alconox, Tap & DI rinse) ___Other:	Floating Product: –	Thickness (in): –
	Borehole Volume (gal): 21.08	1.5 Borehole Volumes (gal): 31.61

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1245	Started Purging					
1303	52.12	21.5	6.76	23.0	3.84	clear, colorless, odorless
1313	52.49	32	6.79	22.9	3.70	
1329	50.01	Sample				

Maximum Drawdown (DTW_2) (ft) = 52.49

H^2O Removal Rate (GPM) = 1.14

✓ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1329

Depth to Water at time of sampling (DTW_3): 50.01

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(49.39) - (50.01)}{(49.39) - (52.49)} = \frac{-0.62}{-3.10}$$

$$= 80\ \%$$

80% Recharge = 50.01

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 4
	Project Name: Chevron #9-1834		Date: 5/5/2005
	Project Number: 08CH.41834.05 / 0790		Sample Time: 1118
	SECOR Rep: I. Cummings	Checked by: KB	Sample No: MW- 4

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 2

Purging Equipment / Method: ___ Vac Truck ___ Bailer ✓ Submersible Pump ___ Other

pH Temp/Conductivity Meter Type / ID: 1A

Sampling Method: ___ Teflon Bailer ✓ Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash ✓ 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 50.93

Total Well Depth (DTB) (ft): 62.62 | Water Column: 11.69

Floating Product: — | Thickness (in): —

Borehole Volume (gal): 17.54 | 1.5 Borehole Volumes (gal): 26.30

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1046	Started Purging					
1100	52.64	18	6.73	22.2	4.67	clear, colorless, odorless
1110	52.64	26.5	6.57	22.1	4.91	
1118	51.25	sample				

Maximum Drawdown (DTW_2) (ft) = 52.64

H^2O Removal Rate (GPM) = 1.10

✓ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1118

Depth to Water at time of sampling (DTW_3): 51.25

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(50.93) - (51.25)}{(50.93) - (52.64)} = \frac{-0.32}{-1.71}$$

$$= 81\ \%$$

80% Recharge = 51.27

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 5
	Project Name: Chevron #9-1834		Date: 5/5/2005
	Project Number: 08CH.41834.05 / 0790		Sample Time: 1307
	SECOR Rep: Mat Nowak	Checked by: TB	Sample No: MW- 5

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 5

Purging Equipment / Method: ___Vac Truck ___Bailer ✗ Submersible Pump ___Other

pH Temp/Conductivity Meter Type / ID:

Sampling Method: ___Teflon Bailer ✗ Disposable Bailer ___Other:

Decontamination Method: ___Steam / High Pressure Wash ✗ 3 Stage (Alconox, Tap & DI rinse) ___Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 48.90

Total Well Depth (DTB) (ft): 60.71

Water Column: 11.81

Floating Product: —

Thickness (in): —

Borehole Volume (gal): 17.72

1.5 Borehole Volumes (gal): 26.57

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1219	Started Purging					
1227	59.09	18	6.89	23.6	2.66	No odor / low Silt + / clr to tan
1238	60.53	27	6.89	23.3	2.78	" " "
1307	51.23	Sample				

Maximum Drawdown (DTW_2) (ft) = 60.53

H^2O Removal Rate (GPM) = 1.42

✗ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1307

Depth to Water at time of sampling (DTW_3): 51.23

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(48.9) - (51.23)}{(48.9) - (60.53)} = \frac{-2.33}{-11.63}$$

$$= 80\ \%$$

80% Recharge = 51.23

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 6
	Project Name: Chevron #9-1834		Date: 5/5/2005
	Project Number: 08CH.41834.05 / 0790		Sample Time: 1123
	SECOR Rep: Mat Nowak	Checked by: TBB	Sample No: MW- 6

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 5

Purging Equipment / Method: ___Vac Truck ___Bailer ✗ Submersible Pump ___Other

pH Temp/Conductivity Meter Type / ID:

Sampling Method: ___Teflon Bailer ✗ Disposable Bailer ___Other:

Decontamination Method: ___Steam / High Pressure Wash ✗ 3 Stage (Alconox, Tap & DI rinse) ___Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 50.02

Total Well Depth (DTB) (ft): 62.90

Water Column: 12.88

Floating Product: –

Thickness (in): –

Borehole Volume (gal): 19.32

1.5 Borehole Volumes (gal): 28.98

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1048	Started Purging					
1059	50.92	19.5	6.77	22.4	4.38	No Odor/low silt/tan
1103	51.02	29	6.77	22.2	4.48	" " "
1123	50.03	Sample	~~6.77~~	~~22.4~~		

Maximum Drawdown (DTW_2) (ft) = 51.02

H^2O Removal Rate (GPM) = 1.93

✗ Fast Recharging Well

___Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1123

Depth to Water at time of sampling (DTW_3): 50.03

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 (DTB-DTW_1)
2	10	1.14 (DTB-DTW_1)
4	10	1.50 (DTB-DTW_1)
4	12	1.95 (DTB-DTW_1)
6	10	2.11 (DTB-DTW_1)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(50.02-(50.03)}{(50.02-(51.02)} = \frac{.01}{1.0}$$

$$= 99\%$$

80% Recharge = 50.22

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 7
	Project Name: Chevron #9-1834		Date: 5/5/2005
	Project Number: 08CH.41834.05 / 0790		Sample Time: 1448
	SECOR Rep: J. Morell	Checked by: MB	Sample No: MW- 7

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 8

Purging Equipment / Method: ___ Vac Truck X Bailer ___ Submersible Pump ___ Other

pH Temp/Conductivity Meter Type / ID: 3A

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 50.88

Total Well Depth (DTB) (ft): 63.50

Water Column: 12.62

Floating Product:

Thickness (in):

Borehole Volume (gal): 18.93

1.5 Borehole Volumes (gal): 28.39

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1424	Started Purging					
1431	51.26	19	6.85	22.4	4.63	Brown/Grey, odor, cloudy
1438	52.15	29	6.89	22.3	4.45	"
1448	51.02	Sample				

Maximum Drawdown (DTW_2) (ft) = 52.15

H^2O Removal Rate (GPM) = 2.07

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1448

Depth to Water at time of sampling (DTW_3): 51.02

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(50.88)-(51.02)}{(50.88)-(52.15)} = \frac{-.14}{-1.27} = 89\ \%$$

80% Recharge = 51.13

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 8
	Project Name: Chevron #9-1834		Date: 5/5/2005
	Project Number: 08CH.41834.05 / 0790		Sample Time: 1208
	SECOR Rep: I. Cummings	Checked by: TDB	Sample No: MW- 8

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 2

Purging Equipment / Method: ___ Vac Truck ___ Bailer X Submersible Pump ___ Other

pH Temp/Conductivity Meter Type / ID: 1A

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 51.41

Total Well Depth (DTB) (ft): 62.00

Water Column: 10.59

Floating Product: —

Thickness (in): —

Borehole Volume (gal): 15.89

1.5 Borehole Volumes (gal): 23.83

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1139	Started Purging					
1151	52.04	16	6.61	21.9	5.44	clear, colorless, odorless
1157	52.07	24	6.55	22.0	5.30	
1208	51.44	Sample				

Maximum Drawdown (DTW_2) (ft) = 52.07

H^2O Removal Rate (GPM) = 1.33

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1208

Depth to Water at time of sampling (DTW_3): 51.44

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(51.41)-(51.44)}{(51.41)-(52.07)} = \frac{-0.03}{-0.66}$$

$$= 96\ \%$$

80% Recharge = 51.54

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 9
Project Number:	08CH.41834.05 / 0790	Date:	5/5/2005
SECOR Rep: Mat Nowak	Checked by: TOB	Sample Time:	1441
		Sample No:	MW- 9

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 5

Purging Equipment / Method: ___ Vac Truck ___ Bailer ✓ Submersible Pump ___ Other

pH Temp/Conductivity Meter Type / ID:

Sampling Method: ___ Teflon Bailer ✓ Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash ✓ 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 51.47

Total Well Depth (DTB) (ft): 63.25

Water Column: 11.78

Floating Product: —

Thickness (in): —

Borehole Volume (gal): 17.67

1.5 Borehole Volumes (gal): 26.51

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1406	Started Purging					
1415	55.26	18	7.24	23.2	2.61	light sweet smell / low silt / gray
1421	55.49	27	7.06	23.1	2.81	" " "
1441	51.73	Sample				

Maximum Drawdown (DTW_2) (ft) = 55.49

H^2O Removal Rate (GPM) = 1.8

✓ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1441

Depth to Water at time of sampling (DTW_3): 51.73

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 (DTB-DTW_1)
2	10	1.14 (DTB-DTW_1)
4	10	1.50 (DTB-DTW_1)
4	12	1.95 (DTB-DTW_1)
6	10	2.11 (DTB-DTW_1)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(51.47)-(51.73)}{(51.47)-(55.49)} = \frac{-.26}{4.02}$$

$$= 93\%$$

80% Recharge = 52.27

Tcs # EC51236

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 10
Project Number:	08CH.41834.05 / 0790	Date:	5/5/2005
SECOR Rep: J. Morell	Checked by: TOB	Sample Time:	1114
		Sample No:	MW- 10

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 8

Purging Equipment / Method: ___ Vac Truck ___ Submersible Pump X Bailer ___ Other R16

pH Temp/Conductivity Meter Type / ID: 3A

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 50.40

Total Well Depth (DTB) (ft): 63.73

Water Column: 13.33

Floating Product:

Thickness (in):

Borehole Volume (gal): 20.00

1.5 Borehole Volumes (gal): 30.00

PURGING INFORMATION

	Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
7S	1046	Started Purging					
9S	1053	51.35	20	6.91	24.1	780	Tan, odor Less, cloudy
10S	1056	51.12	30	6.93	24.2	788	"
	1114	50.45	Sample				

Maximum Drawdown (DTW_2) (ft) = 51.35

H^2O Removal Rate (GPM) = 3.0

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1114

Depth to Water at time of sampling (DTW_3): 50.45

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(50.40) - (50.45)}{(50.40) - (51.35)} = \frac{.05}{.95} = 95\ \%$$

80% Recharge = 50.59

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 11
Project Number:	08CH.41834.05 / 0790	Date:	5/5/2005
SECOR Rep: J. Morell	Checked by: TJB	Sample Time:	1222
		Sample No:	MW- 11

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 8

Purging Equipment / Method: ___ Vac Truck ___ Submersible Pump X Bailer ___ Other Rig

pH Temp/Conductivity Meter Type / ID: 3A

Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:

Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 51.58

Total Well Depth (DTB) (ft): 65.07

Water Column: 13.49

Floating Product:

Thickness (in):

Borehole Volume (gal): 20.24

1.5 Borehole Volumes (gal): 30.36

PURGING INFORMATION

	Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
9	1202	Started Purging					
29	1209	54.52	20.5	6.97	22.2	3.97	Tan, odorless, cloudy
39	1212	54.05	30.5	7.00	22.3	4.09	"
	1222	51.83	Sample				

Maximum Drawdown (DTW_2) (ft) = 54.52

H^2O Removal Rate (GPM) = 3.05

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1222

Depth to Water at time of sampling (DTW_3): 51.83

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 ($DTB-DTW_1$)
2	10	1.14 ($DTB-DTW_1$)
4	10	1.50 ($DTB-DTW_1$)
4	12	1.95 ($DTB-DTW_1$)
6	10	2.11 ($DTB-DTW_1$)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(51.58)-(51.83)}{(51.58)-(54.52)} = \frac{.25}{2.94} = 92\ \%$$

80% Recharge = 52.16

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 12
	Project Name: Chevron #9-1834		Date: 5/5/2005
	Project Number: 08CH.41834.05 / 0790		Sample Time: 1303
	SECOR Rep: J. Morell	Checked by: TDB	Sample No: MW- 12

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 8

Purging Equipment / Method: ___ Vac Truck ___ Bailer ___ Submersible Pump ___ Other Rig

pH Temp/Conductivity Meter Type / ID: 3A

Sampling Method: ____ Teflon Bailer X Disposable Bailer ____ Other: ____

Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:

WELL SPECIFICATIONS & MEASUREMENTS

Borehole Diameter (in): 8 (10) 12

Casing Diameter (in): 2 (4)

Depth to Water (DTW_1) (ft): 52.51

Total Well Depth (DTB) (ft): 63.62

Water Column: 11.11

Floating Product:

Thickness (in):

Borehole Volume (gal): 16.67

1.5 Borehole Volumes (gal): 25.00

PURGING INFORMATION

	Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
41	1253	Started Purging					
58	1258	53.24	17	6.78	21.9	7.52	Tan, odorless, cloudy
66	1301	53.27	25.5	6.79	21.9	7.47	"
	1303	52.60	Sample				

Maximum Drawdown (DTW_2) (ft) = 53.27

H^2O Removal Rate (GPM) = 3.18

X Fast Recharging Well

____ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1303

Depth to Water at time of sampling (DTW_3): 52.60

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260B)
			DIPE, TAME, ETBE, TBA (8260B)

BOREHOLE VOLUME CALCULATIONS

The calculation of one borehole volume is based on the formula in the SAM Manual.

Casing Diameter (in)	Borehole Diameter (in)	Calculated Borehole Volume (gal)
2	8	.77 (DTB-DTW_1)
2	10	1.14 (DTB-DTW_1)
4	10	1.50 (DTB-DTW_1)
4	12	1.95 (DTB-DTW_1)
6	10	2.11 (DTB-DTW_1)

Notes:

RECOVERY CALCULATIONS

$$\% \text{ of Recovery} = 1 - \frac{(DTW_1) - (DTW_3)}{(DTW_1) - (DTW_2)} \times 100$$

$$\% \text{ of Recovery} = 1 - \frac{(52.51) - (52.60)}{(52.51) - (53.27)} = \frac{.09}{.76} = 89\ \%$$

80% Recharge = 52.66

APPENDIX C
MONITORING WELL PURGING AND SAMPLING PROCEDURES

MONITORING WELL PURGING AND SAMPLING PROCEDURES

Monitoring well purging and sampling methods follow the procedures outlined by the County of San Diego, Environmental Health Services, Site Assessment and Mitigation (SAM) Manual.

Purging Procedures

A. Using a decontaminated instrument (i.e., tape measure, continuity meter, or interface probe) measure the depth to groundwater in reference to the measuring point at the top of the casing. Measure the total depth of the well to calculate the height and volume of water in the borehole.

B. Based on previously obtained data, if a monitoring well is suspected of containing LPH, lower a transparent bailer into the well to evaluate the presence of hydrocarbon sheen on the water table.

C. Decontaminate the purge pump and/or PVC bailers by scrubbing in Alconox detergent solution, followed by a tap water rinse and then a deionized water rinse.

D. Purge, by pumping, bailing, or using a vacuum truck with dedicated tubing, approximately one borehole volume of groundwater as calculated according to the thickness of the water column and the diameter of the borehole.

E. Conduct field measurements (i.e., pH and conductivity) after approximately one borehole volume has been purged, or if the water level in the well is so low as to prevent further purging (dry).

   1. If the well has not been purged dry, continue to bail and/or pump and conduct field measurements again following removal of each successive one-half borehole volume of water.

      a) If the first and second series of measurements vary by less than ten percent, the well has been adequately purged. Allow the well to recover to 80 percent of its static condition and begin the sampling procedure.

      b) If the measurements vary by ten percent or greater, repeat Step E1 above.

   2. If the well has been purged dry, measure the water level and allow the well to recharge to 80 percent, or for two hours, whichever occurs first. Calculate the percent recovery.

      a) If the well recovers to less than 80 percent within two hours, it is a slow recharging well. Repeat Step E1 above.

Sampling Procedures

A. Use a disposable bailer to collect the groundwater sample.

B. Fit the stopcock onto the base of the bailer and transfer the groundwater sample into the appropriate container(s). Where applicable, some containers are completely filled to achieve zero headspace. Label the samples according to location and date of collection.

C. Enter the samples into ChevronTexaco Chain-of-Custody protocol and preserve on ice until delivery to the analytical laboratory. Complete the Well Development or Purging/Sampling Log to be stored in the project file.