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DATE: February 16, 2005

CHEVRONTEXACO THIRD & FOURTH QUARTER 2004 GROUNDWATER MONITORING REPORT

Chevron Station No.:	9-1834
Address:	4175 Voltaire, San Diego, CA
ChevronTexaco 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 THIRD QUARTER 2004:

1. Completed the Third Quarter 2004 groundwater monitoring on August 11, 2004.

THIRD QUARTER 2004 SUMMARY TABLE:

Groundwater Monitoring Data	
Current Phase of Project:	Groundwater Monitoring
Frequency of Sampling and Monitoring:	Quarterly
Groundwater Sampling Date	August 11, 2004
Groundwater Sampling Sub-Contractor	Secor International
Groundwater Purge Method:	Submersible Pump, Bailer
Number of Wells Sampled this Quarter:	1
Number of Wells Existing at the Site	12
Depth to Groundwater Range (ft.):	49.94 ft. to 53.34 ft.
Groundwater Elevation Range [feet above mean sea level (MSL)]:	16.77 feet MSL to 18.31 feet MSL
Groundwater Gradient Flow Direction:	East - northeast
Third Quarter Groundwater Gradient:	0.004
Wells with Detectable Dissolved-Phase Hydrocarbon Concentrations:	MW-7
Highest dissolved-phase hydrocarbons were observed in wells:	MW-7
Total petroleum hydrocarbon as gasoline (TPH-g) concentrations range:	1400 micrograms per liter (µg/L)
Benzene concentrations range:	280
Toluene concentrations range:	8.6 µg/L
Ethylbenzene concentrations range:	53 µg/L
Total Xylenes concentrations range:	42 µg/L
Methyl tert-butyl ether (MTBE) concentrations range:	Not detected
Di-isopropyl ether (DIPE) concentrations range:	Not detected
Ethyl tert-butyl ether (ETBE) concentrations range:	Not detected

DATE: February 16, 2005

THIRD & FOURTH QUARTER 2004 GROUNDWATER MONITORING REPORT
CHEVRON STATION 9-1834
4175 Voltaire, San Diego, CA

Groundwater Monitoring Data	
Tert-amyl methyl ether (TAME) concentrations range:	Not detected
Tert-butanol (TBA) concentrations range:	Not detected
Remedial Activities	
Historic Remedial Activities:	SVE
Historical Mass Removal (pounds):	6,007
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:	9550129711

THIRD QUARTER 2004 DISCUSSION:

In general, the analytical data was consistent with historical trends. Depth to groundwater measurements on August 11, 2004, ranged between 49.94 and 53.34 feet below ground surface (bgs). Calculated groundwater elevations varied from 16.77 to 18.31 feet above mean sea level (MSL). The hydraulic gradient was calculated to be 0.004 feet per foot with groundwater flowing toward the northeast.

WORK PERFORMED DURING FOURTH QUARTER 2004:

2. Completed the Fourth Quarter 2004 groundwater monitoring on November 5, 2004.

FOURTH QUARTER 2004 SUMMARY TABLE:

Groundwater Monitoring Data	
Current Phase of Project:	Groundwater Monitoring
Frequency of Sampling and Monitoring:	Quarterly
Groundwater Sampling Date	November 5, 2004
Groundwater Sampling Sub-Contractor	SECOR International
Groundwater Purge Method:	Submersible Pump, Bailer

DATE: February 16, 2005

THIRD & FOURTH QUARTER 2004 GROUNDWATER MONITORING REPORT
CHEVRON STATION 9-1834
4175 Voltaire, San Diego, CA

Groundwater Monitoring Data	
Number of Wells Sampled this Quarter:	12
Number of Wells Existing at the Site	12
Depth to Groundwater Range (ft.):	49.92 ft. to 53.33 ft.
Groundwater Elevation Range [feet above mean sea level (MSL)]:	16.70 feet MSL to 18.36 feet MSL
Groundwater Gradient Flow Direction:	East - northeast
Fourth Quarter Groundwater Gradient:	0.008
Wells with Detectable Dissolved-Phase Hydrocarbon Concentrations:	MW-1 through MW-3, MW-5 through MW-9
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 62,000 µg/L
Benzene concentrations range:	<0.50 µg/L to 3,100 µg/L
Toluene concentrations range:	<0.50 µg/L to 10,000 µg/L
Ethylbenzene concentrations range:	<0.50 µg/L to 2,000 µg/L
Total Xylenes concentrations range:	<1.5 µg/L to 11,000 µg/L
Methyl tert-butyl ether (MTBE) concentrations range:	<1.0 µg/L to 210 µg/L
Di-isopropyl ether (DIPE) concentrations range:	Not detected
Ethyl tert-butyl ether (ETBE) concentrations range:	Not detected
Tert-amyl methyl ether (TAME) concentrations range:	Not detected
Tert-butanol (TBA) concentrations range:	<25 µg/L to 530 µg/L
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:	6124849021

FOURTH QUARTER 2004 DISCUSSION:

In general, the analytical data was consistent with historical trends. Depth to groundwater measurements on November 5, 2004, ranged between 49.92 and 53.33 feet below ground surface

DATE: February 16, 2005

THIRD & FOURTH QUARTER 2004 GROUNDWATER MONITORING REPORT
CHEVRON STATION 9-1834
4175 Voltaire, San Diego, CA

(bgs). Calculated groundwater elevations varied from 16.70 to 18.36 feet above mean sea level (MSL). The hydraulic gradient was calculated to be 0.008 feet per foot with groundwater flowing toward the northwest.

CONCLUSIONS AND RECOMMENDATIONS:

Based on these and previous analytical results, SECOR recommends that quarterly groundwater sampling be continued. SECOR plans to submit a Correction Action Plan (CAP) for this site the First Quarter of 2005.

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

Sincerely,

Kimberly N. Thompson
Project Manager

Dennis Rourke, R.G. #6974
Principal Geologist

REGISTERED GEOLOGIST
Dennis John Rourke
No. 6974
STATE OF CALIFORNIA

ATTACHED:

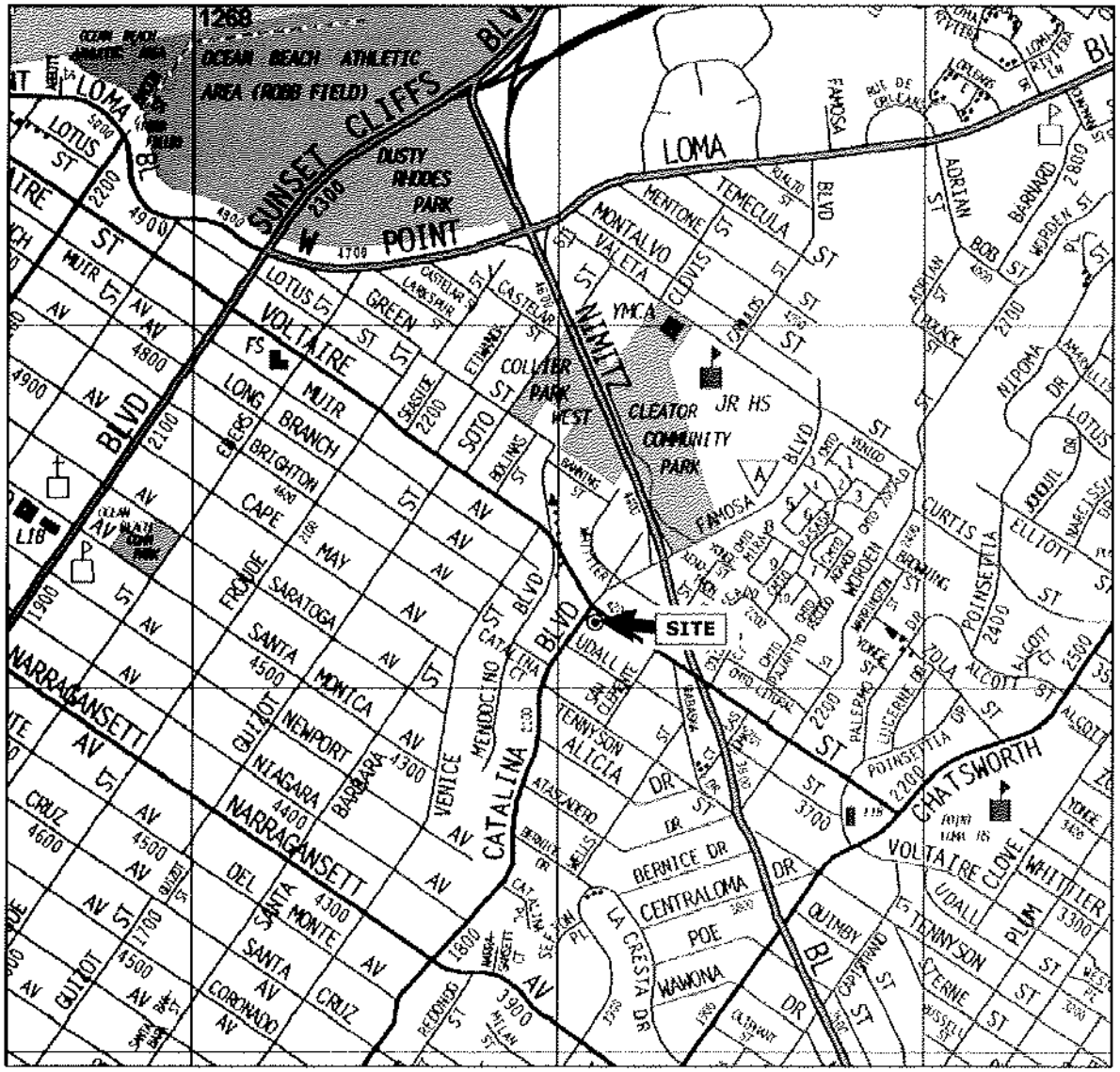
Figures
Figure 1 – Site Location Map
Figure 2 – Third Quarter 2004 Groundwater Gradient Map
Figure 3 – Third Quarter 2004 Hydrocarbon Constituents Map
Figure 4 – Fourth Quarter 2004 Groundwater Gradient Map
Figure 5 – Fourth Quarter 2004 Hydrocarbon Constituents Map

Tables
Table 1 – Summary of Third Quarter 2004 Groundwater Monitoring Data
Table 2 – Summary of Fourth Quarter 2004 Groundwater Monitoring Data
Table 3 – Historical Groundwater Monitoring Data

Hydrographs

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

FIGURES



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

NORTH

0 1320 2640

APPROXIMATE SCALE IN FEET

DRAWN BY: LGH CHECKED: APPROVED: DATE: 7/1/04 JOB No.: 08CH.41834.04 CAD FILE: 91834SLOC6-03	PREPARED BY: SECOR 2655 Camino del Rio North, Suite 302 San Diego, California	PREPARED FOR: FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	FIGURE 1 **SITE LOCATION MAP**

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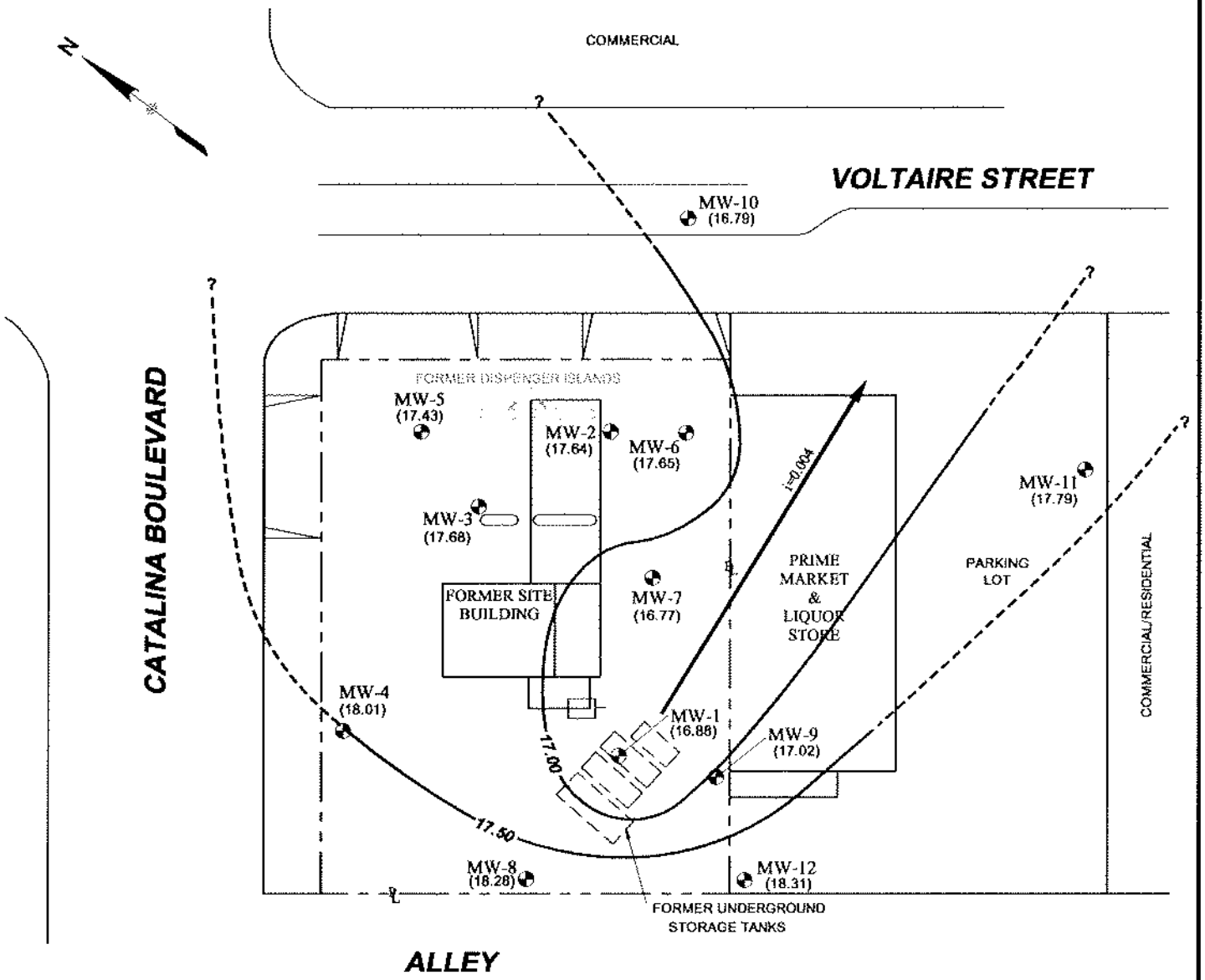

LEGEND:

MW-3	MONITORING WELL LOCATION AND IDENTIFICATION.
(17.43)	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (MSL)
? — — 17.50 —	ESTIMATED GROUNDWATER ELEVATION CONTOUR IN FEET ABOVE MSL. DASHED WHERE INFERRED. QUERIED WHERE UNKNOWN.
i=0.004	APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND HYDRAULIC GRADIENT (i)

0 40 80
APPROXIMATE SCALE IN FEET

DRAWN BY: PD CHECKED: APPROVED: DATE: 12/22/04 JOB No.: 08CH.41834.05 CAD FILE: 9-1834GW8-04	PREPARED BY: SECOR 2655 Camino del Rio North, Suite 302 San Diego, California	PREPARED FOR: FORMER CHEVRON FACILITY No. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	FIGURE: 2 **GROUNDWATER GRADIENT MAP** **AUGUST 11, 2004**

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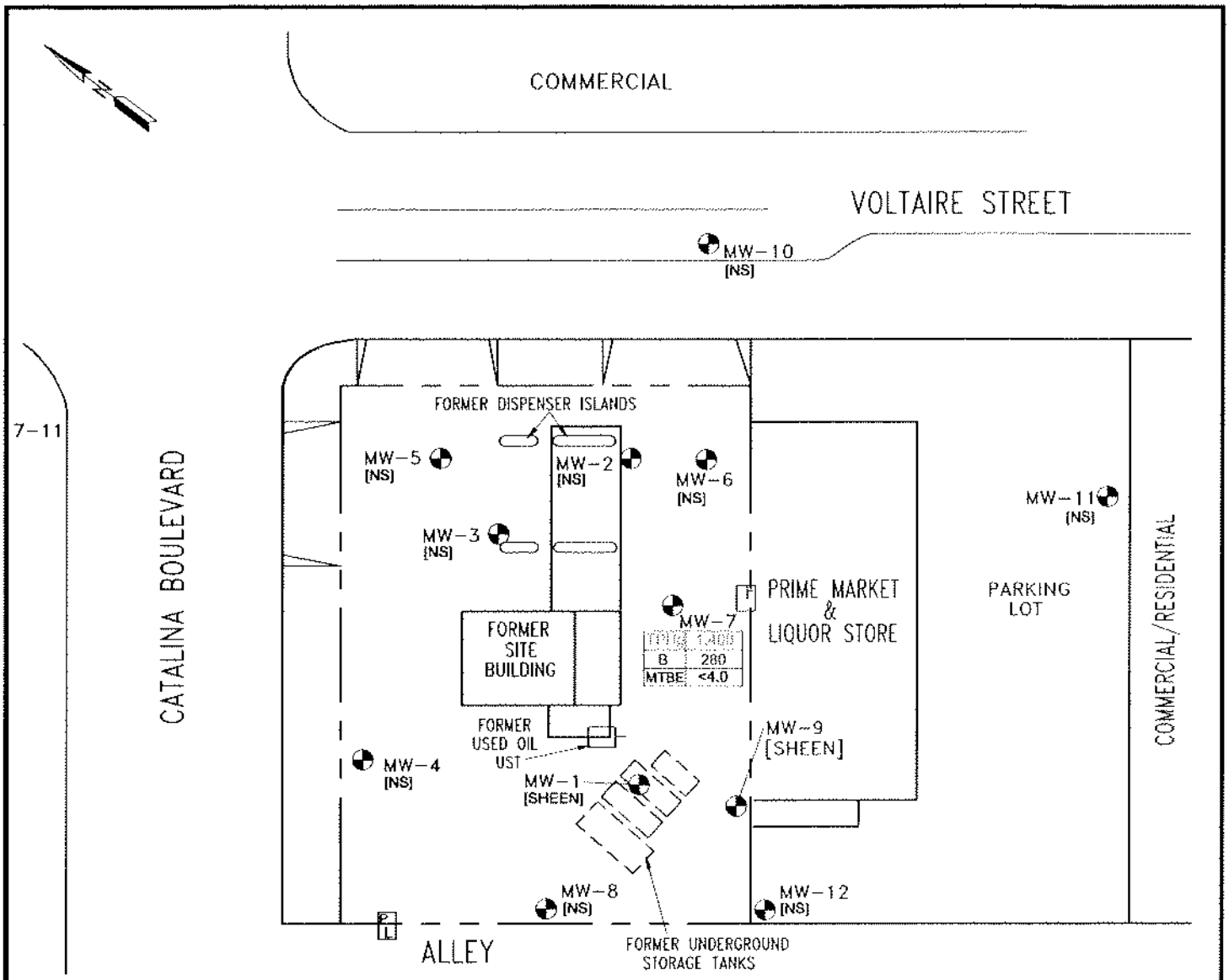

LEGEND:

MW-3 MONITORING WELL LOCATION AND IDENTIFICATION.

TPHg TOTAL PETROLEUM HYDROCARBONS CHARACTERIZED AS GASOLINE ($\mu g/L$)
B BENZENE ($\mu g/L$)
MTBE METHYL-TERT-BUTYL ETHER ($\mu g/L$)

[LPH] LIQUID-PHASE HYDROCARBONS, APPARENT THICKNESS IN FEET

[NS] NOT SAMPLED

SCALE
1 inch = 40 feet
0 20 40

DRAWN BY: PD CHECKED: APPROVED: DATE: 12/22/04 JOB No.: 08CH.41834.05 CAD FILE: 91834HCM8-04	PREPARED BY: SECOR 2655 Camino del Rio North, Suite 302 San Diego, California	PREPARED FOR: FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	FIGURE: 3 **HYDROCARBON CONSTITUENTS** **AUGUST 11, 2004**

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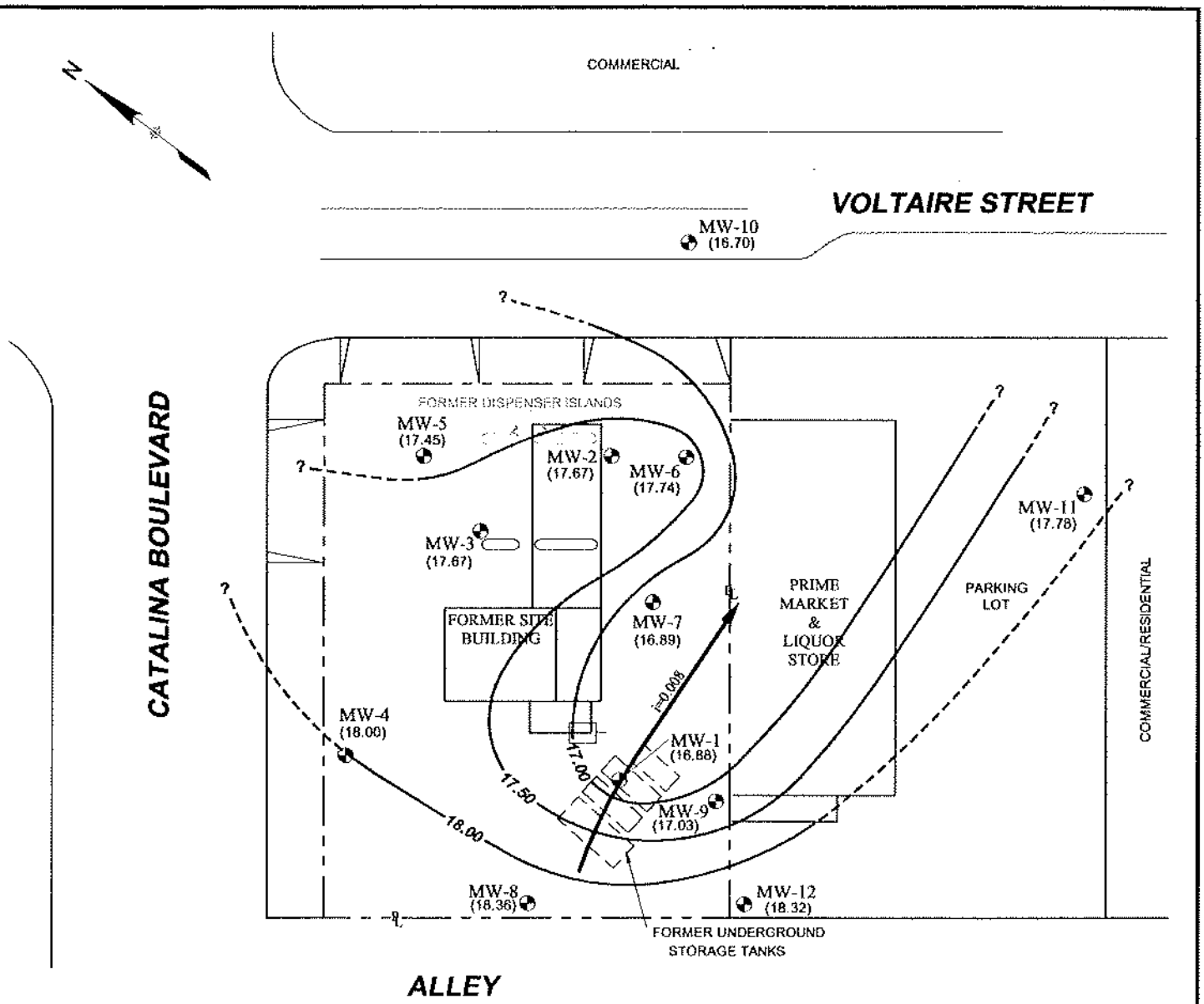

LEGEND:

MW-3 ⊕	MONITORING WELL LOCATION AND IDENTIFICATION.
(18.00)	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=0.008	APPROXIMATE DIRECTION OF GROUNDWATER FLOW AND HYDRAULIC GRADIENT (i)

0 40 80
APPROXIMATE SCALE IN FEET

DRAWN BY: PD CHECKED: APPROVED: DATE: 1/17/05 JOB No.: 08CH.41834.05 CAD FILE: 9-1834GW11-04	PREPARED BY: SECOR 2655 Camino del Rio North, Suite 302 San Diego, California	PREPARED FOR: FORMER CHEVRON FACILITY No. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	FIGURE: 4 **GROUNDWATER GRADIENT MAP** **NOVEMBER 5, 2004**

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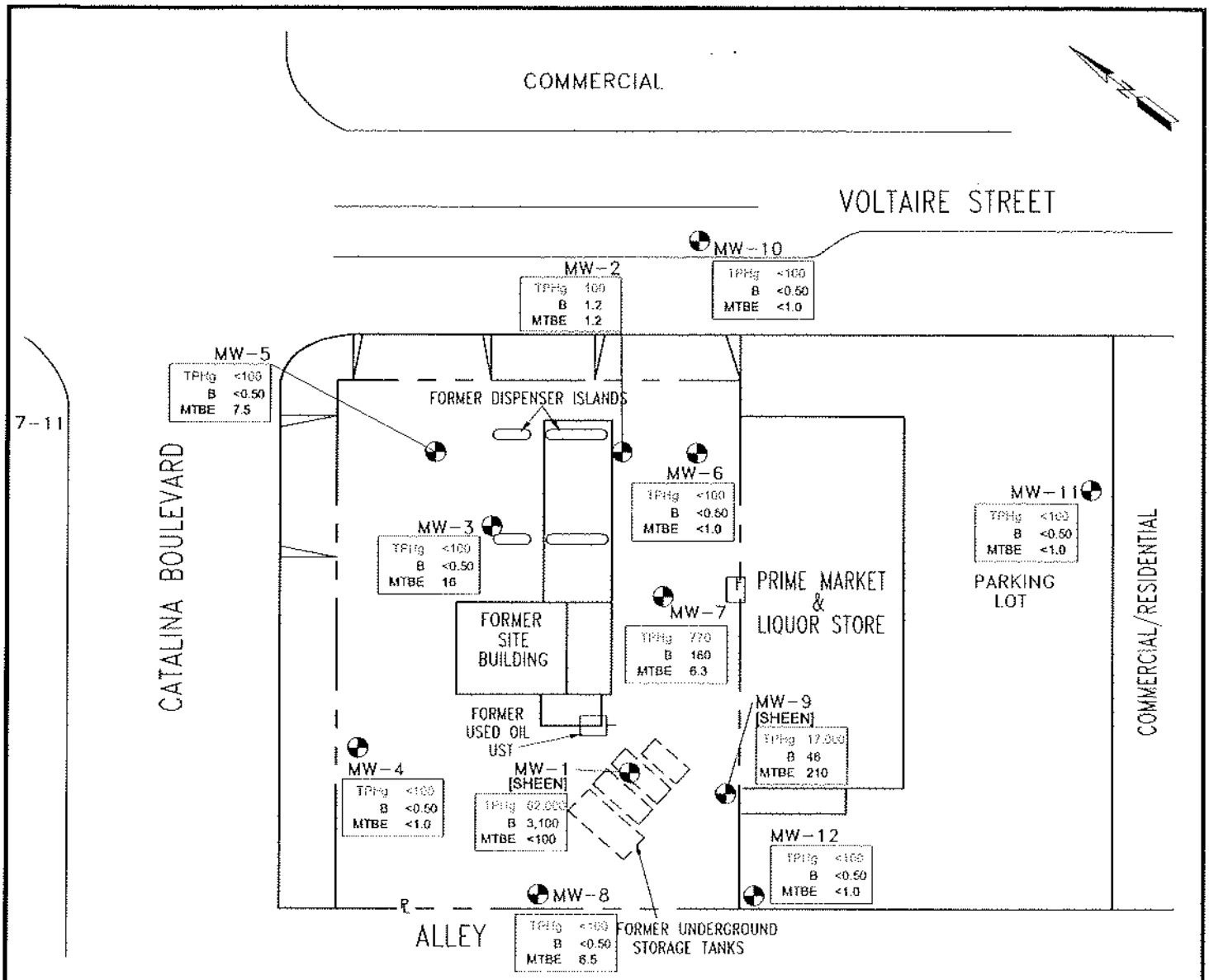

LEGEND:

MW-3 MONITORING WELL LOCATION AND IDENTIFICATION.

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

[SHEEN] DISCONTINOUS NON-MEASURABLE THICKNESS OF LPH DETECTED

0 20 40

APPROXIMATE SCALE IN FEET

DRAWN BY: PD CHECKED: APPROVED: DATE: 1/17/05 JOB No.: 08CH.41834.05 CAD FILE: 91834HCM11-04	PREPARED BY: SECOR 2655 Camino del Rio North, Suite 302 San Diego, California	PREPARED FOR: FORMER CHEVRON STATION NO. 9-1834 4175 VOLTAIRE STREET SAN DIEGO, CALIFORNIA	FIGURE: 5 **HYDROCARBON CONSTITUENTS** **NOVEMBER 5, 2004**

TABLES

Table 1
Summary of Third Quarter 2004 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	8/11/2004	52.71	16.88	Sheen	--	--	--	--	--	--	--	--	--	--
MW-2	8/11/2004	50.38	17.64	--	--	--	--	--	--	--	--	--	--	--
MW-3	8/11/2004	50.33	17.68	--	--	--	--	--	--	--	--	--	--	--
MW-4	8/11/2004	51.84	18.01	--	--	--	--	--	--	--	--	--	--	--
MW-5	8/11/2004	49.94	17.43	--	--	--	--	--	--	--	--	--	--	--
MW-6	8/11/2004	50.91	17.65	--	--	--	--	--	--	--	--	--	--	--
MW-7	8/11/2004	51.75	16.77	--	1400	280	8.6	53	42	<4.0	<20	<20	<20	<100
MW-8	8/11/2004	52.22	18.28	--	--	--	--	--	--	--	--	--	--	--
MW-9	8/11/2004	52.35	17.02	Sheen	--	--	--	--	--	--	--	--	--	--
MW-10	8/11/2004	51.28	16.79	--	--	--	--	--	--	--	--	--	--	--
MW-11	8/11/2004	52.41	17.79	--	--	--	--	--	--	--	--	--	--	--
MW-12	8/11/2004	53.34	18.31	--	--	--	--	--	--	--	--	--	--	--

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 Fourth Quarter 2004 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	11/5/2004	52.71	16.88	Sheen	62000	3100	10000	2000	11000	<100	<500	<500	<500	<2500
MW-2	11/5/2004	50.35	17.67	--	100	1.2	<0.50	<0.50	<1.5	1.2	<5.0	<5.0	<5.0	<25
MW-3	11/5/2004	50.34	17.67	--	<100	<0.50	<0.50	<0.50	<1.5	16	<5.0	<5.0	<5.0	<25
MW-4	11/5/2004	51.85	18.00	--	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<25
MW-5	11/5/2004	49.92	17.45	--	<100	<0.50	<0.50	<0.50	<1.5	7.5	<5.0	<5.0	<5.0	<25
MW-6	11/5/2004	50.82	17.74	--	<100	<0.50	0.54	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<25
MW-7	11/5/2004	51.63	16.89	--	770	160	3.9	32	19	6.3	<10	<10	<10	<50
MW-8	11/5/2004	52.14	18.36	--	<100	<0.50	<0.50	<0.50	<1.5	6.5	<5.0	<5.0	<5.0	<25
MW-9	11/5/2004	52.34	17.03	Sheen	17000	46	<10	1300	1800	210	<100	<100	<100	530
MW-10	11/5/2004	51.37	16.70	--	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<25
MW-11	11/5/2004	52.42	17.78	--	<100	<0.50	<0.50	<0.50	<1.5	<1.0	<5.0	<5.0	<5.0	<25
MW-12	11/5/2004	53.33	18.32	--	<100	<0.50	<0.50	<0.50	<1.5	<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
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
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
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
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
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
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
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
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	--	--	--	--	--

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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	48.40	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
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

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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
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
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	--	--	--	--	--

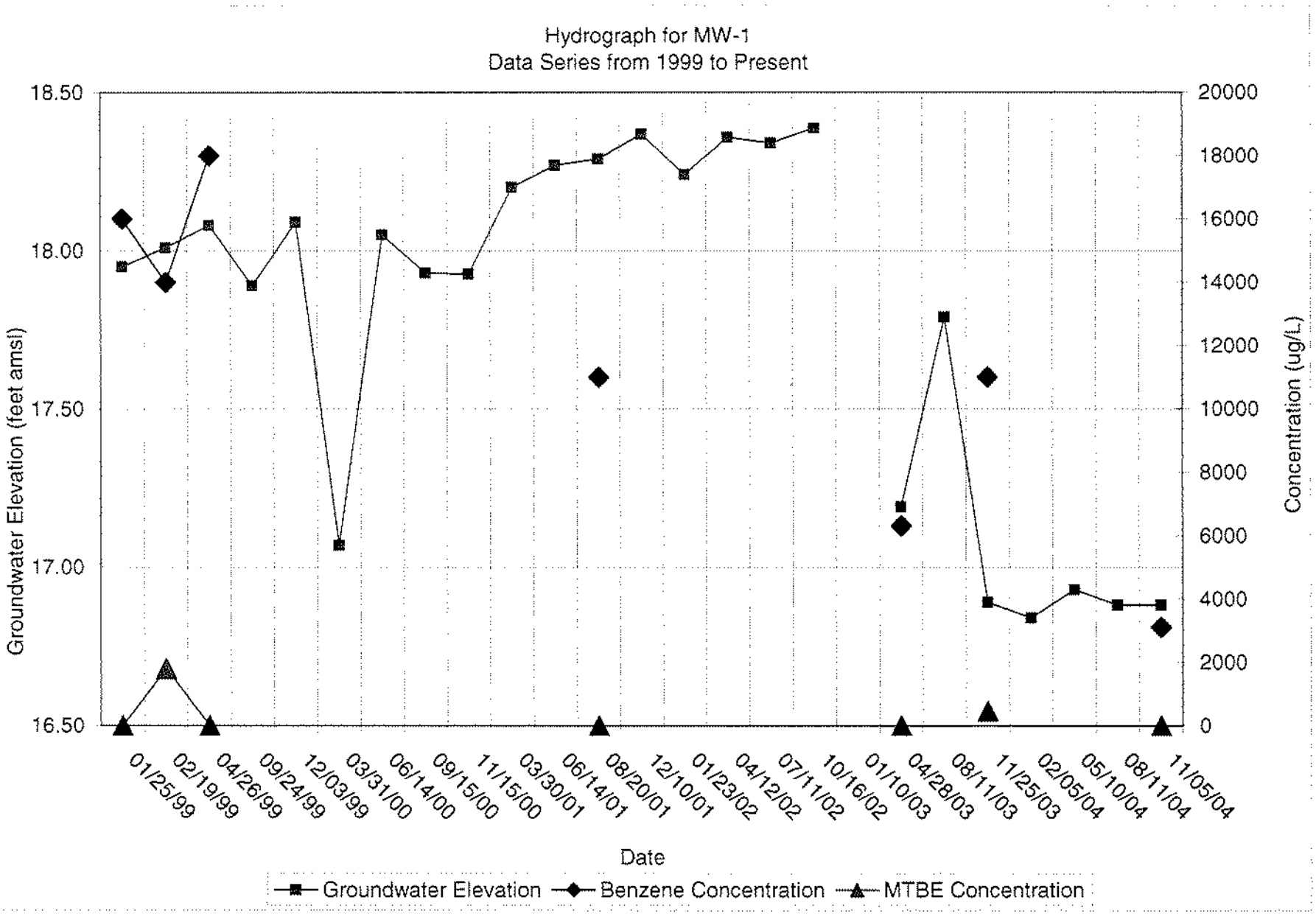
Table 3
Historic Groundwater Levels and Chemical Analysis Results
Former Chevron Station 9-1834, 4175 Voltaire Street, San Diego, California

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

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.

HYDROGRAPHS

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



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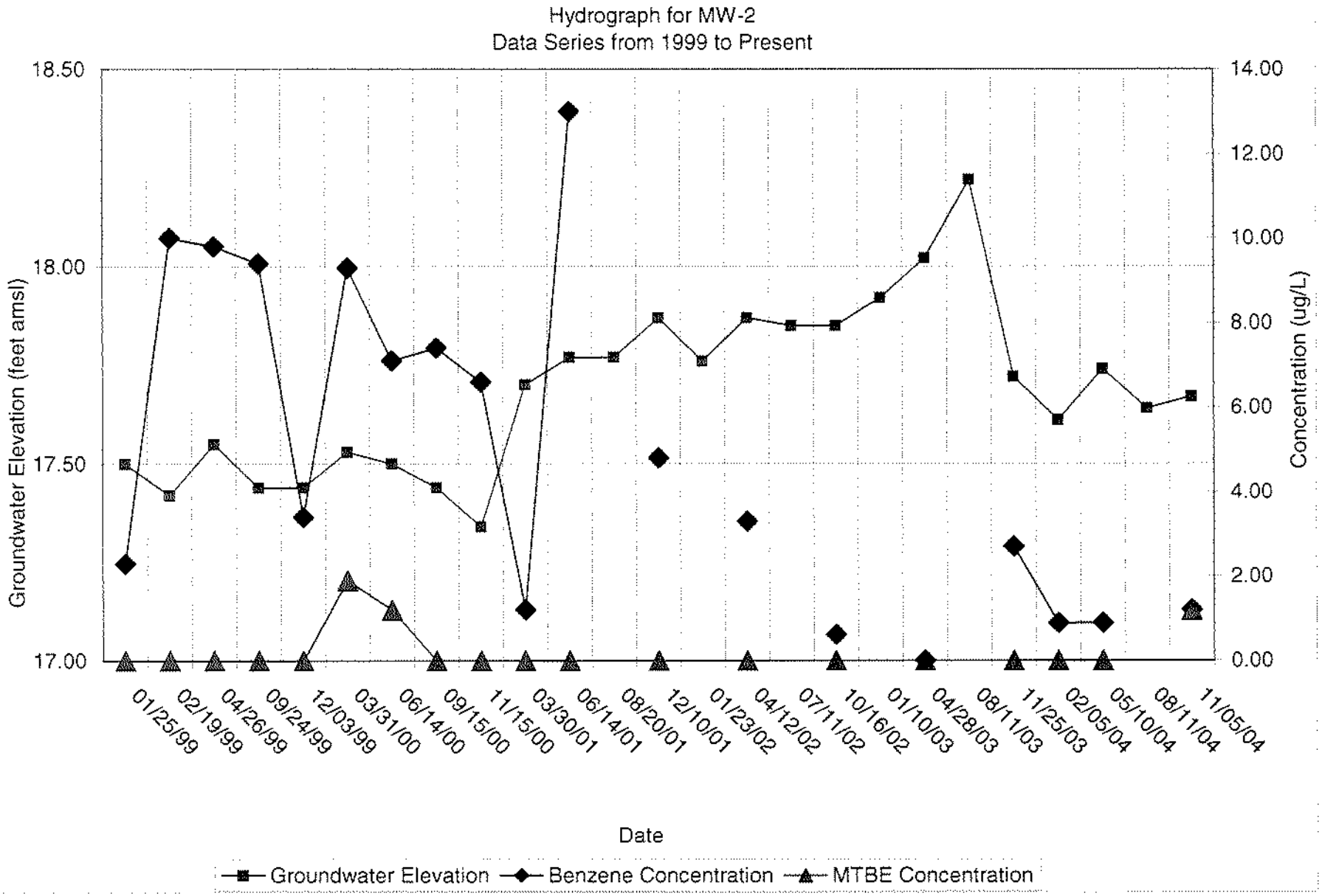

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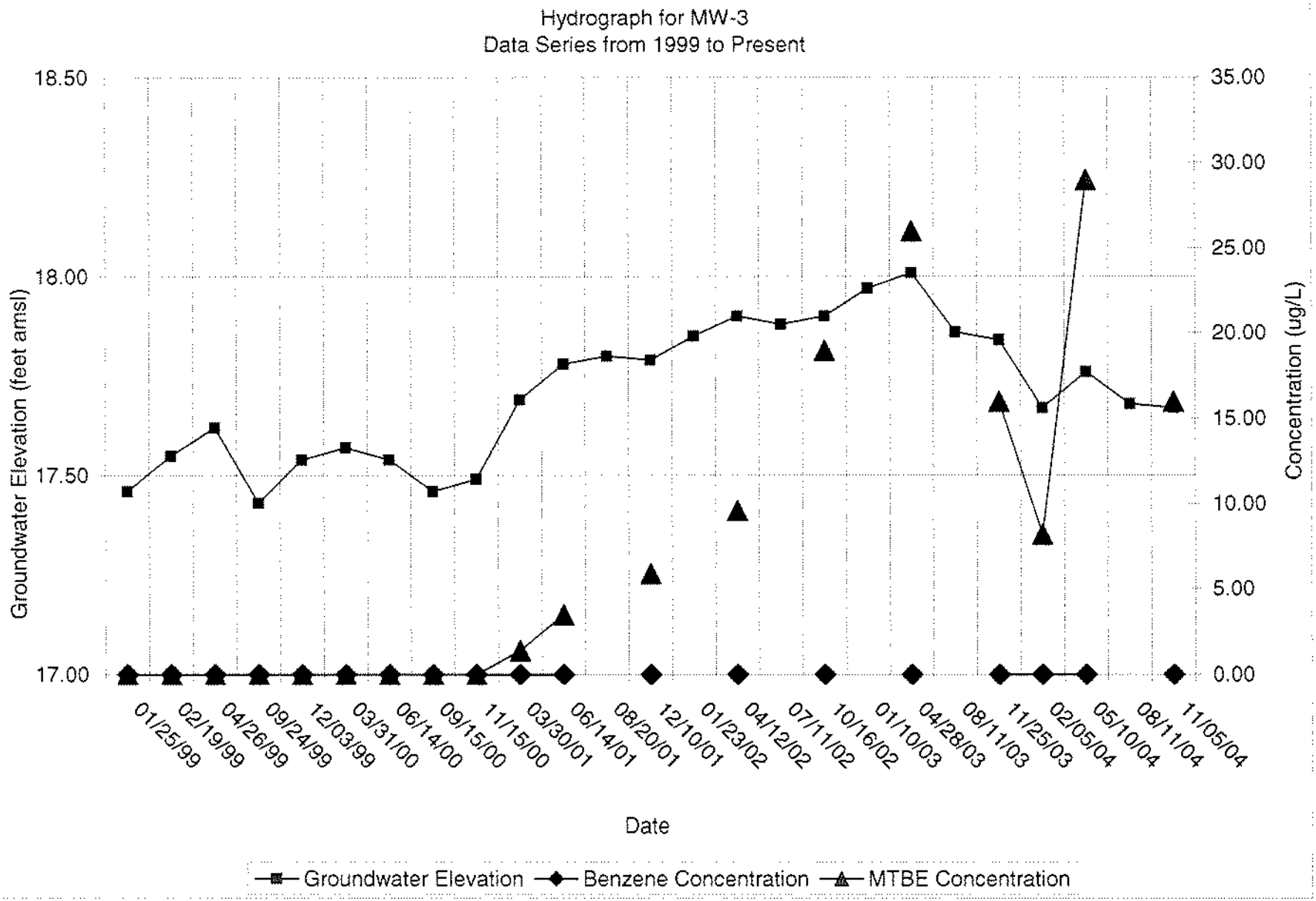

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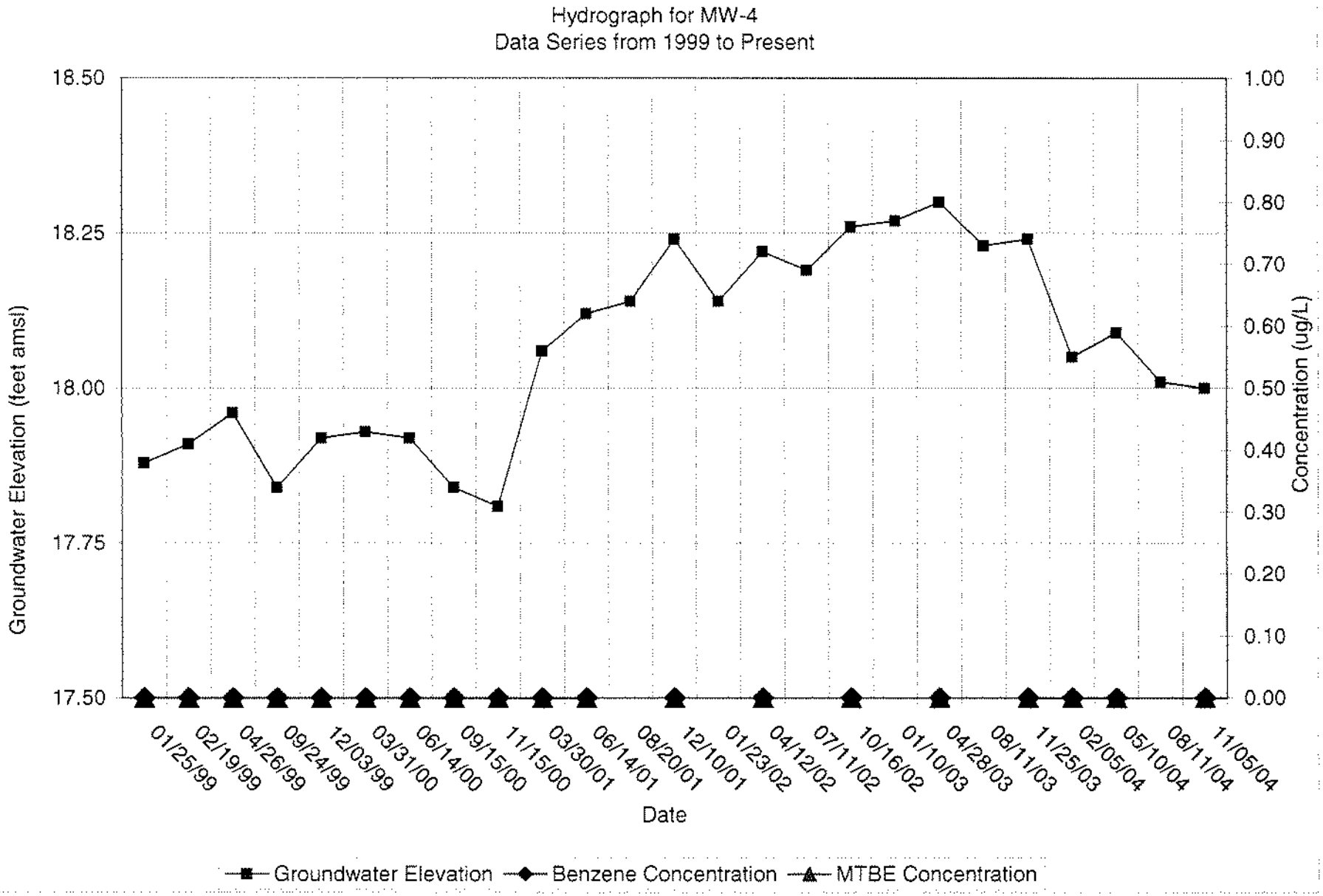

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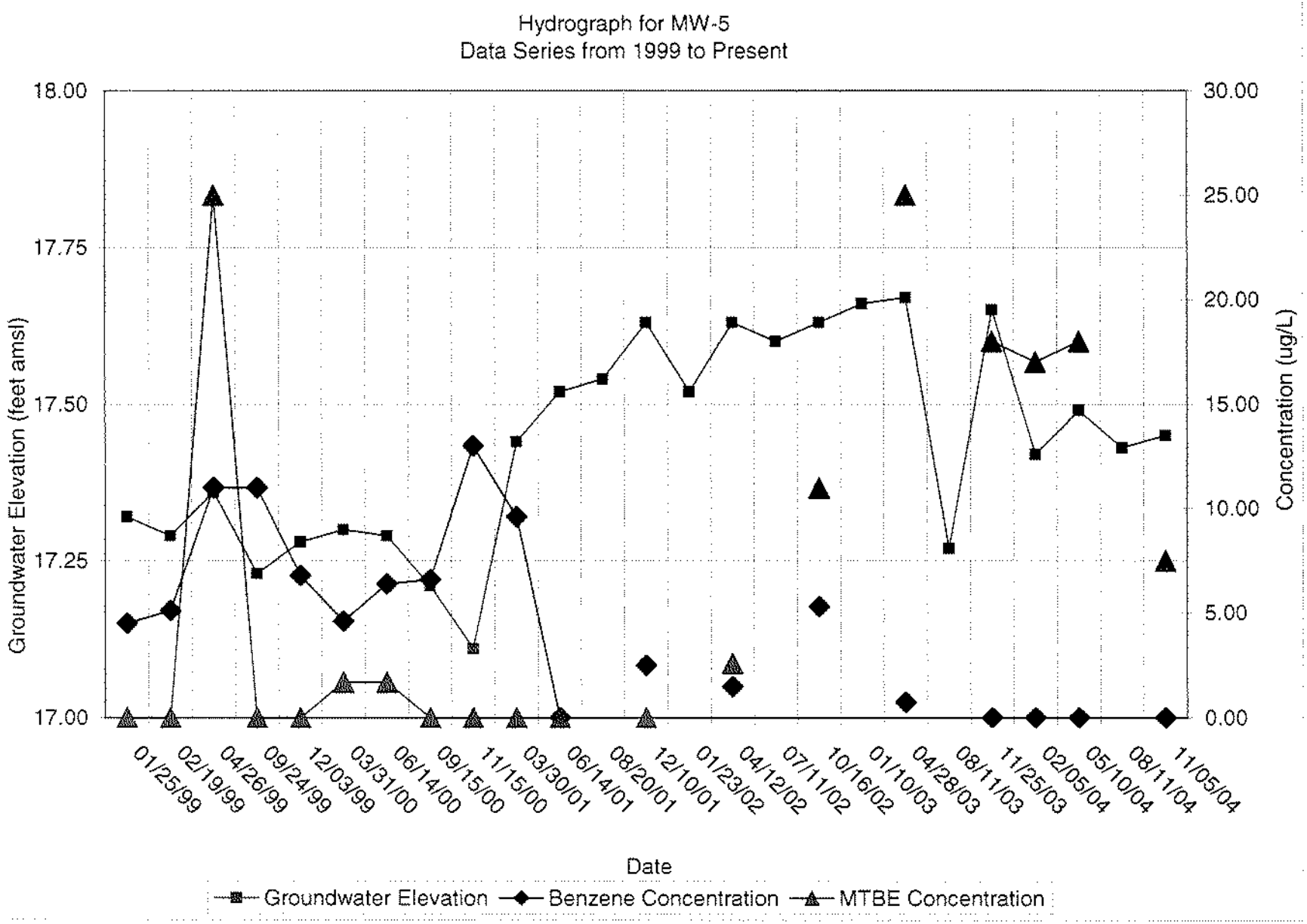

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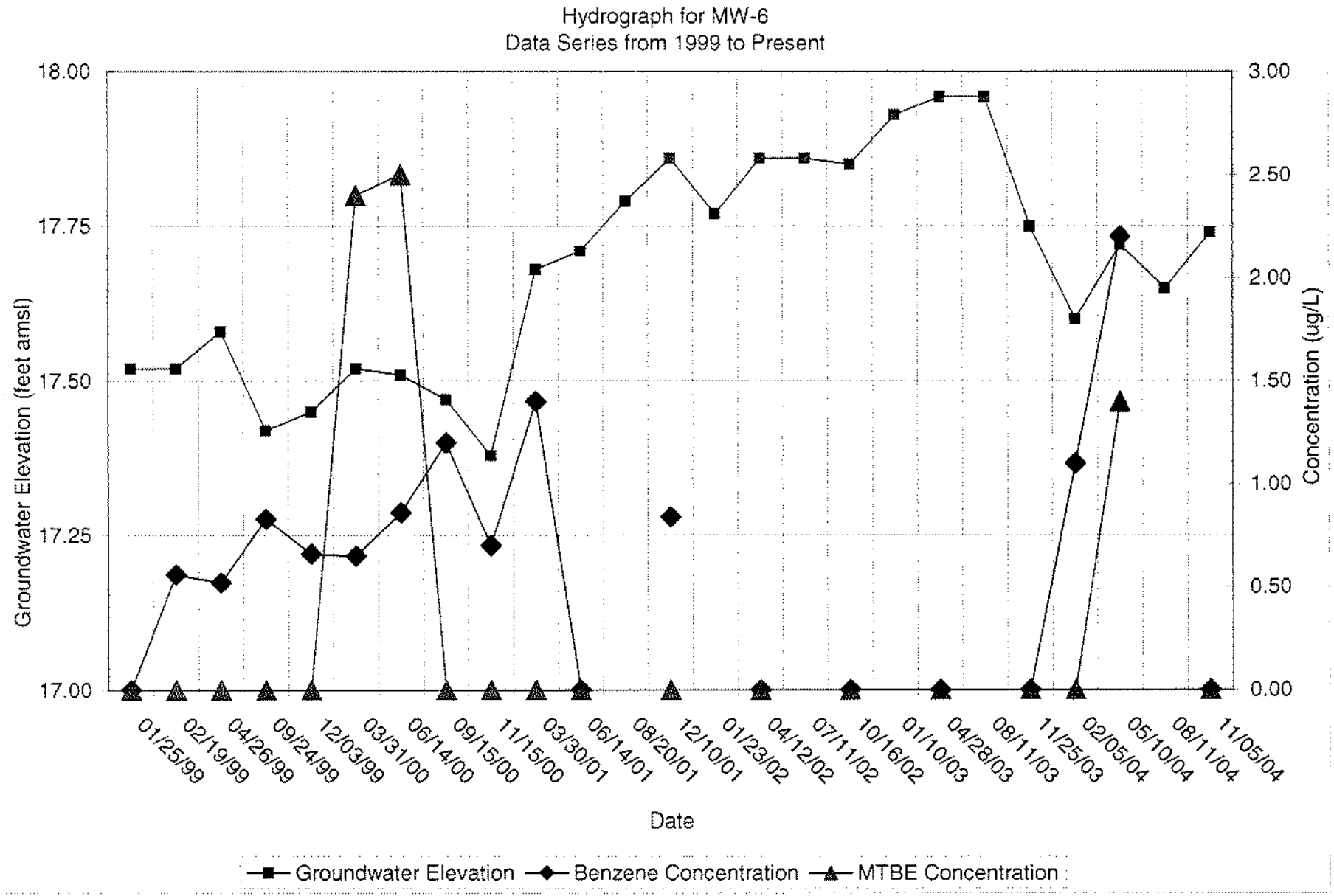

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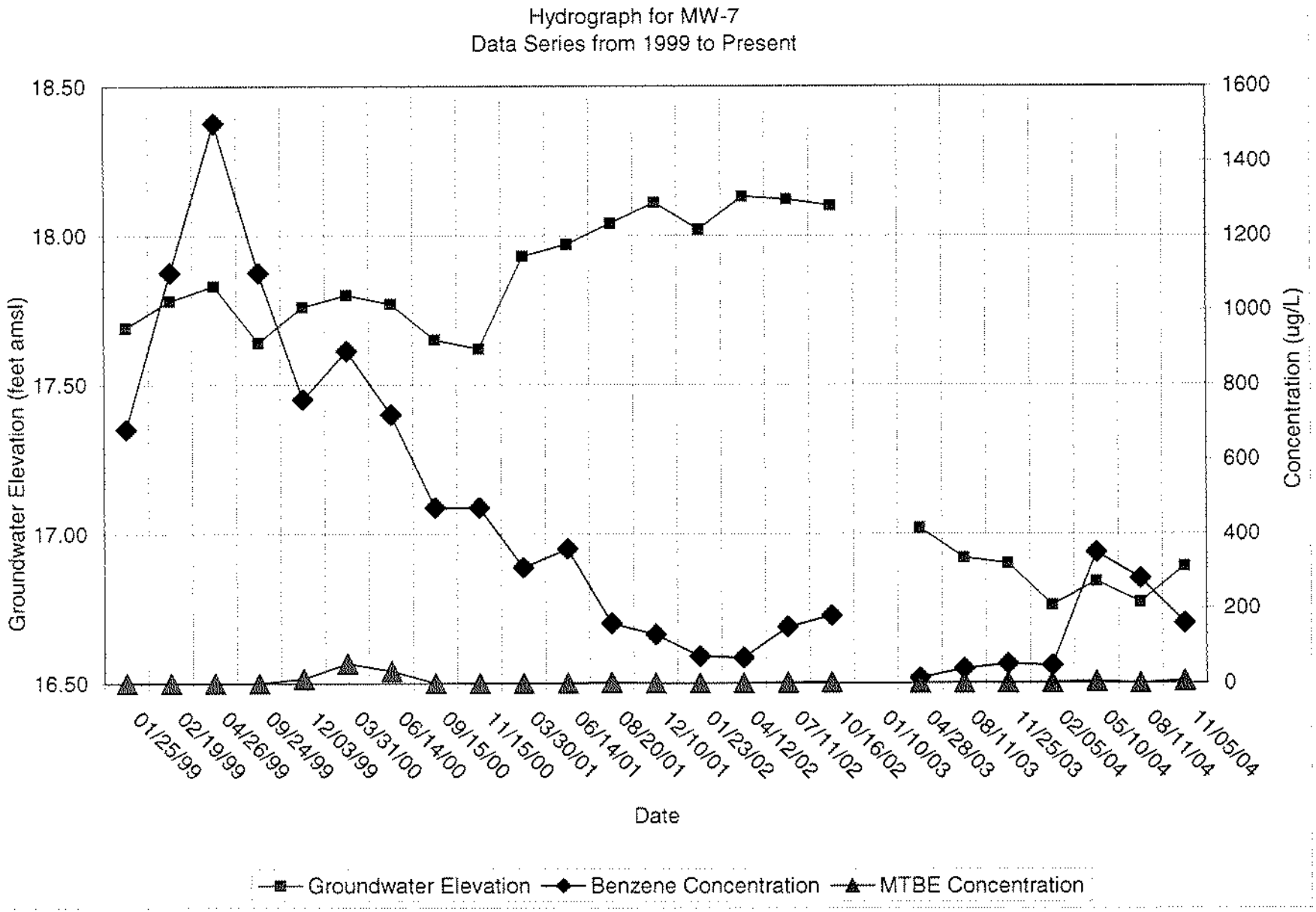

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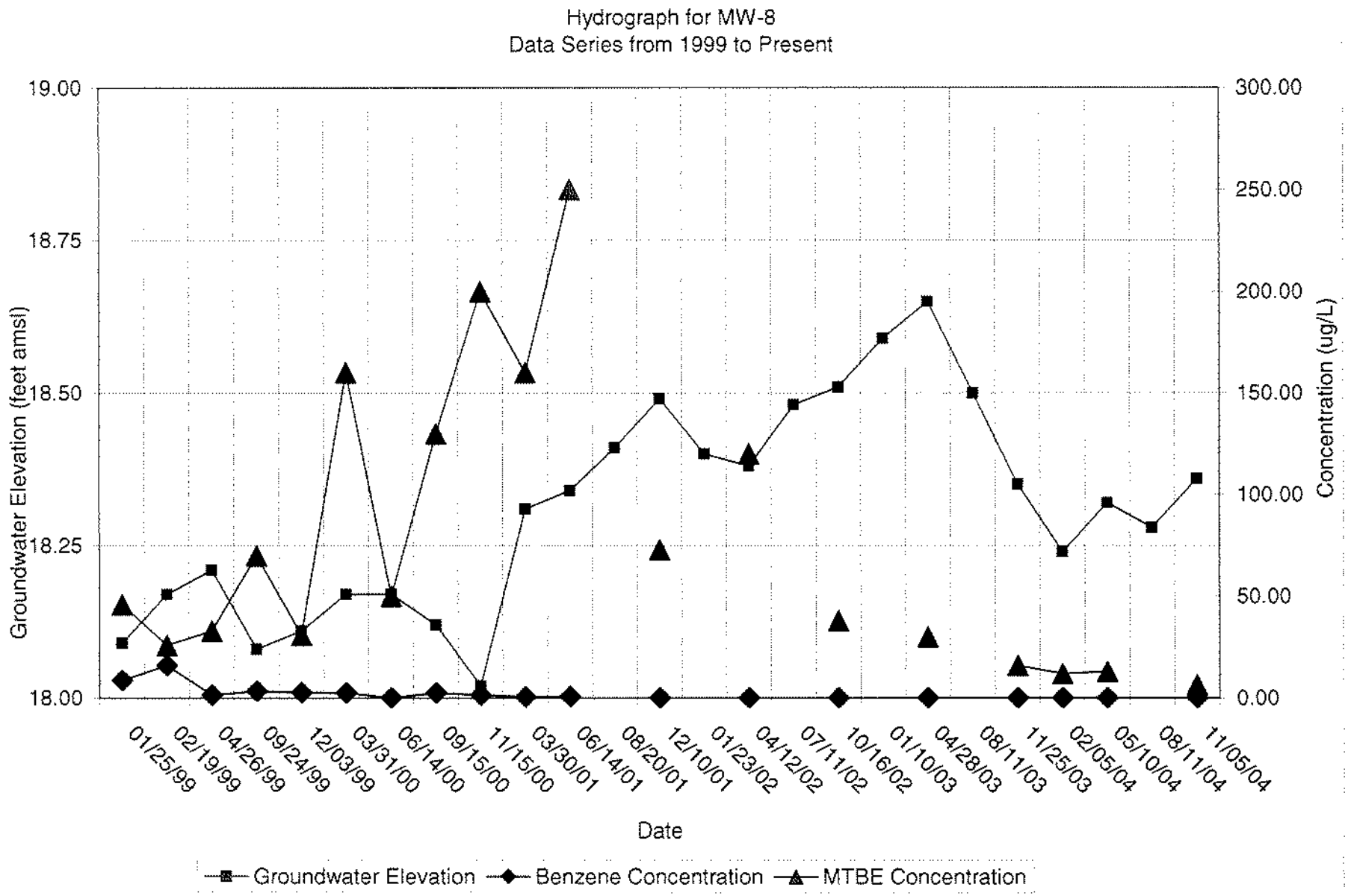

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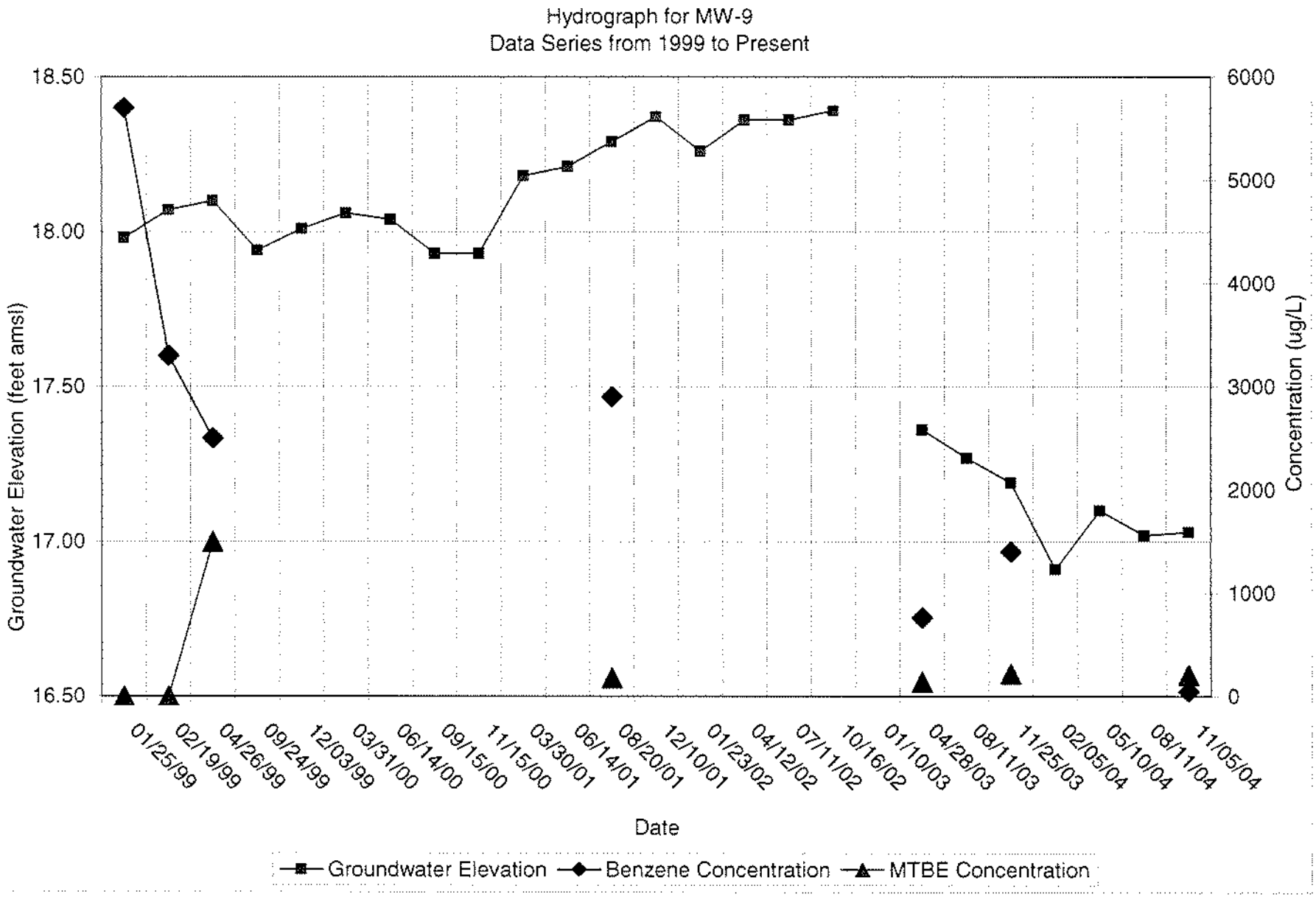

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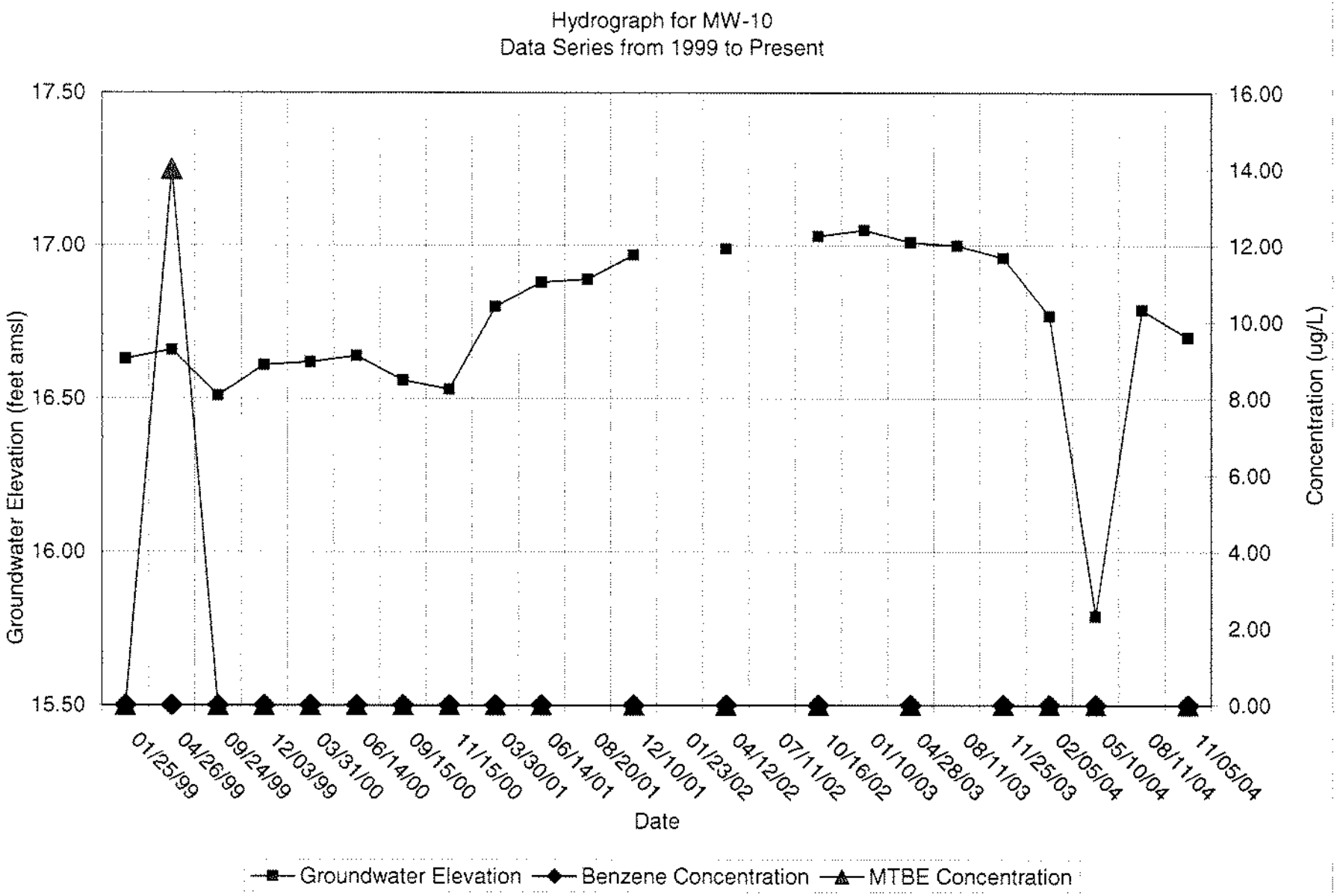

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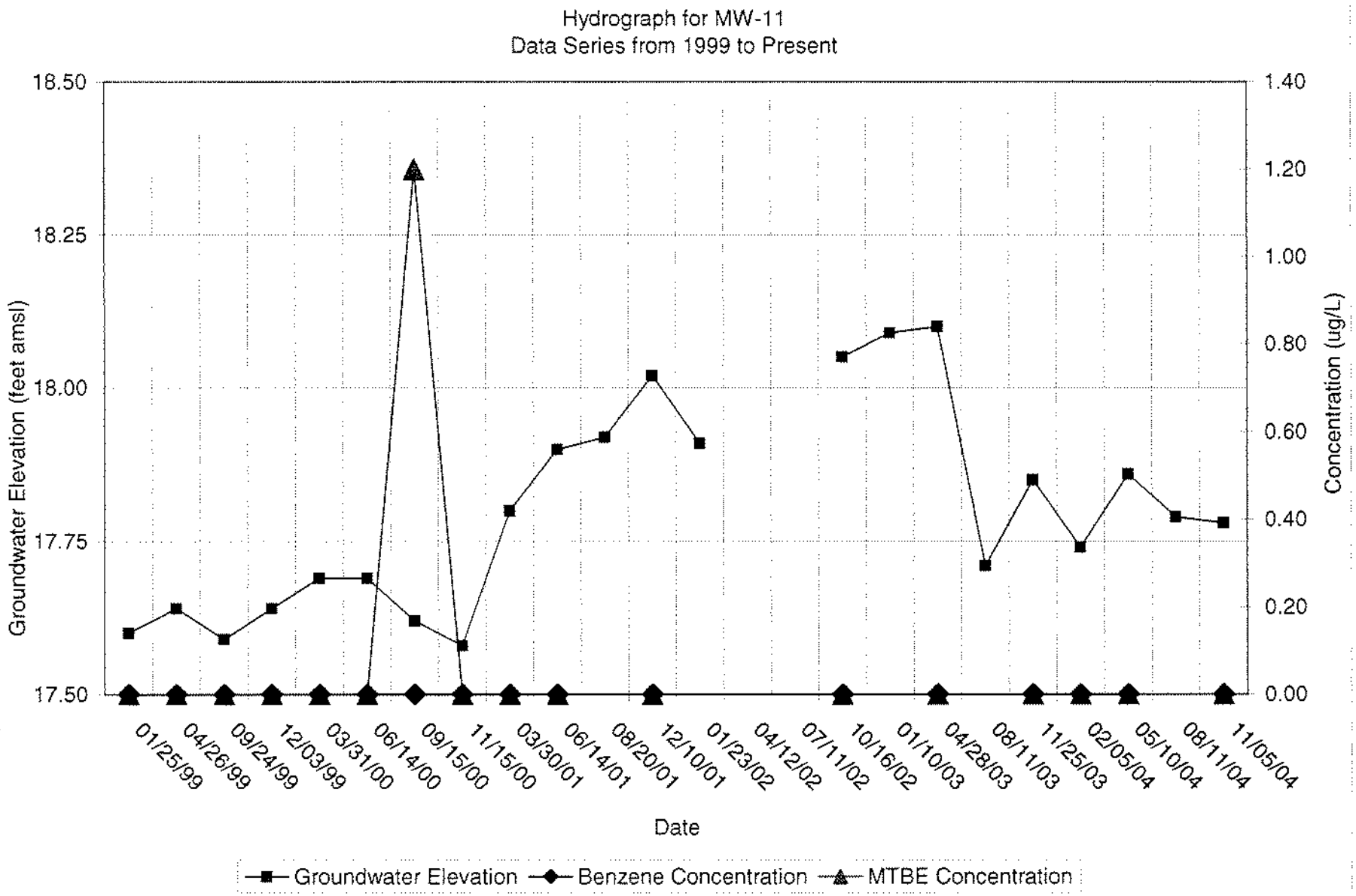

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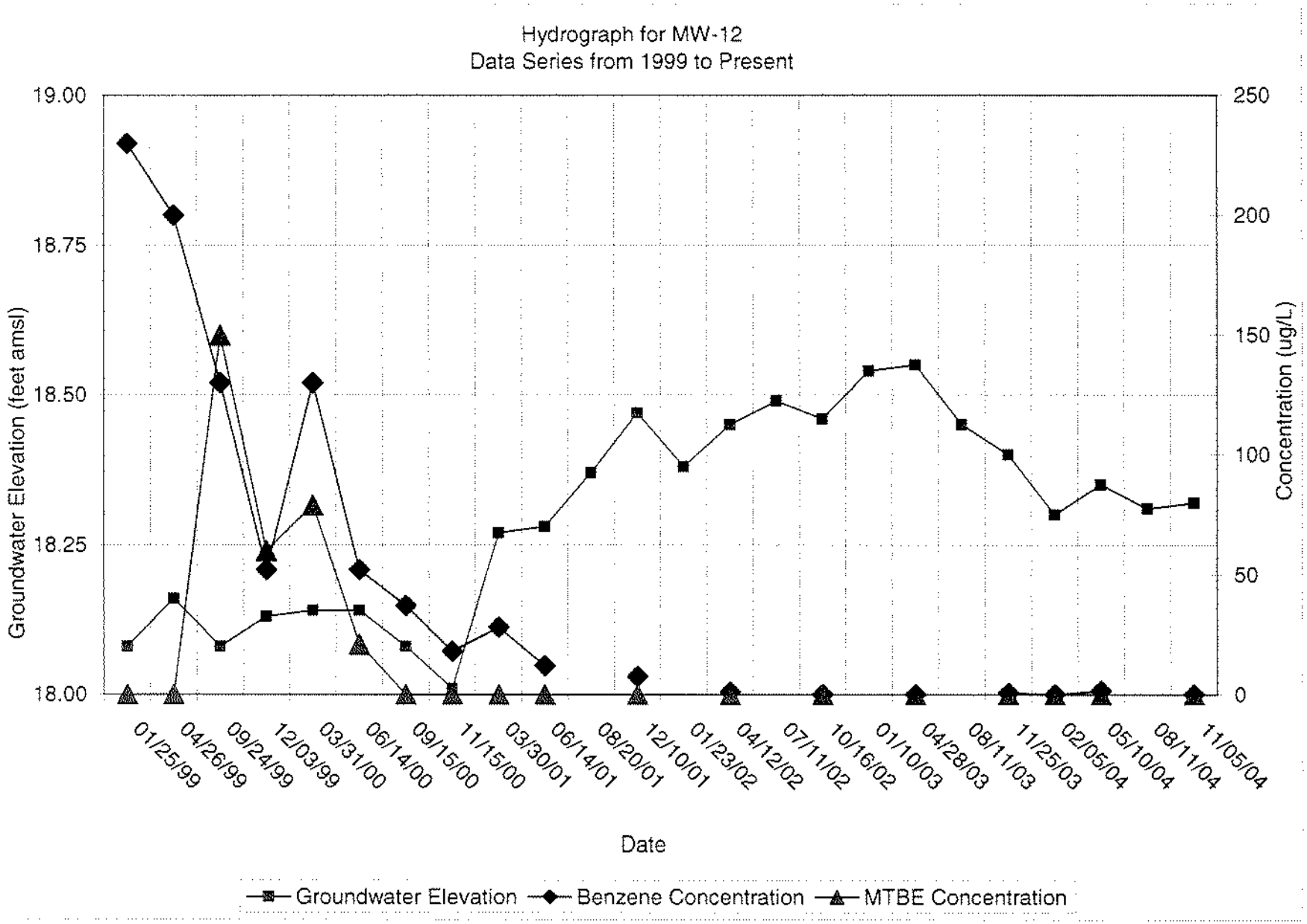

APPENDIX A
LABORATORY REPORT AND
CHAIN-OF-CUSTODY DOCUMENTATION

Del Mar Analytical

17461Derian Ave., Suite 100, Irvine, CA 92614 (949) 261-1022 FAX (949) 261-1228
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LABORATORY REPORT

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

Project: Chevron 9-1834

Sampled: 08/11/04
Received: 08/13/04
Issued: 08/29/04 08:54

NELAP #01108CA CA 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
INH0787-01	MW-7-W-040811	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: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INH0787

Sampled: 08/11/04
Received: 08/13/04

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INH0787-01 (MW-7-W-040811 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4H24014	400	**1400**	4	8/24/2004	8/24/2004	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*113 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				

Del Mar Analytical, Irvine
Kathleen A. Robb
Project Manager

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Del Mar Analytical

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

Project ID: Chevron 9-1834

Report Number: INH0787

Sampled: 08/11/04
Received: 08/13/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INH0787-01 (MW-7-W-040811 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4H24014	2.0	**280**	4	8/24/2004	8/24/2004	
Ethylbenzene	EPA 8260B	4H24014	2.0	**53**	4	8/24/2004	8/24/2004	
Toluene	EPA 8260B	4H24014	2.0	**8.6**	4	8/24/2004	8/24/2004	
o-Xylene	EPA 8260B	4H24014	2.0	**7.5**	4	8/24/2004	8/24/2004	
m,p-Xylenes	EPA 8260B	4H24014	4.0	**34**	4	8/24/2004	8/24/2004	
Xylenes, Total	EPA 8260B	4H24014	6.0	**42**	4	8/24/2004	8/24/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4H24014	20	ND	4	8/24/2004	8/24/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4H24014	20	ND	4	8/24/2004	8/24/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4H24014	20	ND	4	8/24/2004	8/24/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4H24014	4.0	ND	4	8/24/2004	8/24/2004	
tert-Butanol (TBA)	EPA 8260B	4H24014	100	ND	4	8/24/2004	8/24/2004	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*113 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*108 %*				

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: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INH0787

Sampled: 08/11/04
Received: 08/13/04

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: 4H24014 Extracted: 08/24/04										
Blank Analyzed: 08/24/04 (4H24014-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*28.1*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
LCS Analyzed: 08/24/04 (4H24014-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	566	100	ug/l	500		113	65-125			
Surrogate: Dibromofluoromethane	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*28.2*		*ug/l*	*25.0*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*28.1*		*ug/l*	*25.0*		*112*	*80-120*			
Matrix Spike Analyzed: 08/24/04 (4H24014-MS1)					**Source: INH0787-01**					
Volatile Fuel Hydrocarbons (C4-C12)	5230	400	ug/l	4480	1400	85	60-140			
Surrogate: Dibromofluoromethane	*106*		*ug/l*	*100*		*106*	*80-120*			
Surrogate: Toluene-d8	*112*		*ug/l*	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*110*		*ug/l*	*100*		*110*	*80-120*			
Matrix Spike Dup Analyzed: 08/24/04 (4H24014-MSD1)					**Source: INH0787-01**					
Volatile Fuel Hydrocarbons (C4-C12)	5260	400	ug/l	4480	1400	86	60-140	1	20	
Surrogate: Dibromofluoromethane	*107*		*ug/l*	*100*		*107*	*80-120*			
Surrogate: Toluene-d8	*113*		*ug/l*	*100*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*111*		*ug/l*	*100*		*111*	*80-120*			

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Kathleen A. Robb
Project Manager

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San Diego, CA 92108
Attention: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INH0787

Sampled: 08/11/04
Received: 08/13/04

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: 4H24014 Extracted: 08/24/04										
Blank Analyzed: 08/24/04 (4H24014-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	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*28.1*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
LCS Analyzed: 08/24/04 (4H24014-BS1)										
Benzene	27.3	0 50	ug/l	25.0		109	70-120			
Ethylbenzene	29.2	0.50	ug/l	25.0		117	80-120			
Toluene	28 5	0.50	ug/l	25 0		114	75-120			
o-Xylene	26.0	0.50	ug/l	25.0		104	75-125			
m,p-Xylenes	52 7	1.0	ug/l	50.0		105	75-120			
Xylenes, Total	78.7	1.5	ug/l	75.0		105	75-125			
Di-isopropyl Ether (DIPE)	27.2	5.0	ug/l	25 0		109	65-135			
Ethyl tert-Butyl Ether (ETBE)	27.7	5.0	ug/l	25.0		111	60-140			
tert-Amyl Methyl Ether (TAME)	34.4	5.0	ug/l	25 0		138	60-140			
Methyl-tert-butyl Ether (MTBE)	32.4	1.0	ug/l	25.0		130	55-145			
tert-Butanol (TBA)	140	25	ug/l	125		112	70-140			
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*28.2*		*ug/l*	*25 0*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			

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

Project ID: Chevron 9-1834

Report Number: INH0787

Sampled: 08/11/04
Received: 08/13/04

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: 4H24014 Extracted: 08/24/04										
Matrix Spike Analyzed: 08/24/04 (4H24014-MS1)					**Source: INH0787-01**					
Benzene	364	2.0	ug/l	100	280	84	70-120			
Ethylbenzene	160	2.0	ug/l	100	53	107	70-130			
Toluene	115	2.0	ug/l	100	8.6	106	70-120			
o-Xylene	107	2.0	ug/l	100	7.5	100	65-125			
m,p-Xylenes	231	4.0	ug/l	200	34	98	65-130			
Xylenes, Total	337	6.0	ug/l	300	42	98	65-135			
Di-isopropyl Ether (DIPE)	98.6	20	ug/l	100	1.6	97	65-140			
Ethyl tert-Butyl Ether (ETBE)	98.7	20	ug/l	100	ND	99	60-140			
tert-Amyl Methyl Ether (TAME)	120	20	ug/l	100	ND	120	55-145			
Methyl-tert-butyl Ether (MTBE)	109	4.0	ug/l	100	3.8	105	50-155			
tert-Butanol (TBA)	606	100	ug/l	500	ND	121	65-145			
Surrogate: Dibromofluoromethane	*106*		*ug/l*	*100*		*106*	*80-120*			
Surrogate: Toluene-d8	*112*		*ug/l*	*100*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*110*		*ug/l*	*100*		*110*	*80-120*			
Matrix Spike Dup Analyzed: 08/24/04 (4H24014-MSD1)					**Source: INH0787-01**					
Benzene	360	2.0	ug/l	100	280	80	70-120	1	20	
Ethylbenzene	155	2.0	ug/l	100	53	102	70-130	3	20	
Toluene	113	2.0	ug/l	100	8.6	104	70-120	2	20	
o-Xylene	103	2.0	ug/l	100	7.5	96	65-125	4	20	
m,p-Xylenes	223	4.0	ug/l	200	34	94	65-130	4	25	
Xylenes, Total	326	6.0	ug/l	300	42	95	65-135	3	20	
Di-isopropyl Ether (DIPE)	101	20	ug/l	100	1.6	99	65-140	2	25	
Ethyl tert-Butyl Ether (ETBE)	106	20	ug/l	100	ND	106	60-140	7	25	
tert-Amyl Methyl Ether (TAME)	137	20	ug/l	100	ND	137	55-145	13	30	
Methyl-tert-butyl Ether (MTBE)	129	4.0	ug/l	100	3.8	125	50-155	17	25	
tert-Butanol (TBA)	541	100	ug/l	500	ND	108	65-145	11	25	
Surrogate: Dibromofluoromethane	*107*		*ug/l*	*100*		*107*	*80-120*			
Surrogate: Toluene-d8	*113*		*ug/l*	*100*		*113*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*111*		*ug/l*	*100*		*111*	*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: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INH0787

Sampled: 08/11/04
Received: 08/13/04

DATA QUALIFIERS AND DEFINITIONS

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: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INH0787

Sampled: 08/11/04
Received: 08/13/04

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 8260B	Water	X	X
TPH by GC/MS	Water	X	X

NV 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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JNH0787

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC ___ of ___ 10641

Chevron Site Global ID: TX0073052116
Chevron Site Number: 9-1834
Chevron Site Address: 4175 Voltaire St
San Diego, CA
Chevron PM: Jerry Bogaczyk
Chevron PM Phone No.: 714-671-3213

Chevron Service Order No: 9323720
Chevron Line Item: 23

Chevron Service Code: ZZ02800
☐ Construction/Retail Job or
☒ Retail and Terminal Business Unit (RTBU) Job

NOTE:
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., Ste. 302, San Diego, CA 92108
Consultant Contact: Michele Boswell
Consultant Phone No. 619.296.6195
Consultant Project No 08CH.41834.04.070
Sampling Company: SECOR
Sampled By (Print): Imani Cummings
Sampler Signature: [signature]

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

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

EDF Required?
☒ Yes
☐ No

ANALYSES REQUIRED

Special Instructions: Use county of San Diego detection limits. Send PDF: EDF to mboswell@secor.com

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-7	W	51.76	040811	1211	VOA	6	HCl, ice			X									

Temp. Blank Check
Time ____ Temp. ____

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
[signature]	SECOR	8/12/04 1445	Tom Blevins	DMAI	8/12/04 1445
Tom Blevins		8/12/04 1750			
			[signature]		8/12/04 1750

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

Sample Integrity: (Check by lab on arrival)
Intact: X On Ice: X Temp: 4°

INITIAL

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LABORATORY REPORT

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

Project: Chevron 9-1834

Sampled: 11/05/04
Received: 11/08/04
Issued: 11/22/04 14:55

NELAP #01108CA CA 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
INK0569-01	MW-1-W-041105	Water
INK0569-02	MW-2-W-041105	Water
INK0569-03	MW-3-W-041105	Water
INK0569-04	MW-4-W-041105	Water
INK0569-05	MW-5-W-041105	Water
INK0569-06	MW-6-W-041105	Water
INK0569-07	MW-7-W-041105	Water
INK0569-08	MW-8-W-041105	Water
INK0569-09	MW-9-W-041105	Water
INK0569-10	MW-10-W-041105	Water
INK0569-11	MW-11-W-041105	Water
INK0569-12	MW-12-W-041105	Water

Reviewed By:

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 Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INK0569-01 (MW-1-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K17012	10000	**62000**	100	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*109 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: INK0569-02 (MW-2-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K16023	100	**100**	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: INK0569-03 (MW-3-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K16023	100	ND	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Sample ID: INK0569-04 (MW-4-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K16035	100	ND	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				
Sample ID: INK0569-05 (MW-5-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K16035	100	ND	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: INK0569-06 (MW-6-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K17022	100	ND	1	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

VOLATILE FUEL HYDROCARBONS BY GC/MS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INK0569-07 (MW-7-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K17010	200	**770**	2	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: INK0569-08 (MW-8-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K16035	100	ND	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				
Sample ID: INK0569-09 (MW-9-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K17010	2000	**17000**	20	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: INK0569-10 (MW-10-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K17010	100	ND	1	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: INK0569-11 (MW-11-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K16035	100	ND	1	11/16/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*92 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: INK0569-12 (MW-12-W-041105 - Water)								
Reporting Units: ug/l								
Volatile Fuel Hydrocarbons (C4-C12)	TPH by GC/MS	4K16035	100	ND	1	11/16/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*109 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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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 Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INK0569-01 (MW-1-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K17012	50	**3100**	100	11/17/2004	11/17/2004	
Ethylbenzene	EPA 8260B	4K17012	50	**2000**	100	11/17/2004	11/17/2004	
Toluene	EPA 8260B	4K17012	50	**10000**	100	11/17/2004	11/17/2004	
o-Xylene	EPA 8260B	4K17012	50	**4000**	100	11/17/2004	11/17/2004	
m,p-Xylenes	EPA 8260B	4K17012	100	**7200**	100	11/17/2004	11/17/2004	
Xylenes, Total	EPA 8260B	4K17012	150	**11000**	100	11/17/2004	11/17/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K17012	500	ND	100	11/17/2004	11/17/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K17012	500	ND	100	11/17/2004	11/17/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K17012	500	ND	100	11/17/2004	11/17/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K17012	100	ND	100	11/17/2004	11/17/2004	
tert-Butanol (TBA)	EPA 8260B	4K17012	2500	ND	100	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*109 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*102 %*				
Sample ID: INK0569-02 (MW-2-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K16023	0.50	**1.2**	1	11/16/2004	11/16/2004	
Ethylbenzene	EPA 8260B	4K16023	0.50	ND	1	11/16/2004	11/16/2004	
Toluene	EPA 8260B	4K16023	0.50	ND	1	11/16/2004	11/16/2004	
o-Xylene	EPA 8260B	4K16023	0.50	ND	1	11/16/2004	11/16/2004	
m,p-Xylenes	EPA 8260B	4K16023	1.0	ND	1	11/16/2004	11/16/2004	
Xylenes, Total	EPA 8260B	4K16023	1.5	ND	1	11/16/2004	11/16/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K16023	5.0	ND	1	11/16/2004	11/16/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K16023	5.0	ND	1	11/16/2004	11/16/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K16023	5.0	ND	1	11/16/2004	11/16/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K16023	1.0	**1.2**	1	11/16/2004	11/16/2004	
tert-Butanol (TBA)	EPA 8260B	4K16023	25	ND	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				

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Attention: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INK0569-03 (MW-3-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K16023	0.50	ND	1	11/16/2004	11/16/2004	
Ethylbenzene	EPA 8260B	4K16023	0.50	ND	1	11/16/2004	11/16/2004	
Toluene	EPA 8260B	4K16023	0.50	ND	1	11/16/2004	11/16/2004	
o-Xylene	EPA 8260B	4K16023	0.50	ND	1	11/16/2004	11/16/2004	
m,p-Xylenes	EPA 8260B	4K16023	1.0	ND	1	11/16/2004	11/16/2004	
Xylenes, Total	EPA 8260B	4K16023	1.5	ND	1	11/16/2004	11/16/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K16023	5.0	ND	1	11/16/2004	11/16/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K16023	5.0	ND	1	11/16/2004	11/16/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K16023	5.0	ND	1	11/16/2004	11/16/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K16023	1.0	**16**	1	11/16/2004	11/16/2004	
tert-Butanol (TBA)	EPA 8260B	4K16023	25	ND	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*92 %*				
Sample ID: INK0569-04 (MW-4-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
Ethylbenzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
Toluene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
o-Xylene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
m,p-Xylenes	EPA 8260B	4K16035	1.0	ND	1	11/16/2004	11/16/2004	
Xylenes, Total	EPA 8260B	4K16035	1.5	ND	1	11/16/2004	11/16/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/16/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/16/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/16/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K16035	1.0	ND	1	11/16/2004	11/16/2004	
tert-Butanol (TBA)	EPA 8260B	4K16035	25	ND	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INK0569-05 (MW-5-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
Ethylbenzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
Toluene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
o-Xylene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
m,p-Xylenes	EPA 8260B	4K16035	1.0	ND	1	11/16/2004	11/16/2004	
Xylenes, Total	EPA 8260B	4K16035	1.5	ND	1	11/16/2004	11/16/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/16/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/16/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/16/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K16035	1.0	**7.5**	1	11/16/2004	11/16/2004	
tert-Butanol (TBA)	EPA 8260B	4K16035	25	ND	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: INK0569-06 (MW-6-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K17022	0.50	ND	1	11/17/2004	11/17/2004	
Ethylbenzene	EPA 8260B	4K17022	0.50	ND	1	11/17/2004	11/17/2004	
Toluene	EPA 8260B	4K17022	0.50	**0.54**	1	11/17/2004	11/17/2004	
o-Xylene	EPA 8260B	4K17022	0.50	ND	1	11/17/2004	11/17/2004	
m,p-Xylenes	EPA 8260B	4K17022	1.0	ND	1	11/17/2004	11/17/2004	
Xylenes, Total	EPA 8260B	4K17022	1.5	ND	1	11/17/2004	11/17/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K17022	5.0	ND	1	11/17/2004	11/17/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K17022	5.0	ND	1	11/17/2004	11/17/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K17022	5.0	ND	1	11/17/2004	11/17/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K17022	1.0	ND	1	11/17/2004	11/17/2004	
tert-Butanol (TBA)	EPA 8260B	4K17022	25	ND	1	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INK0569-07 (MW-7-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K17010	1.0	**160**	2	11/17/2004	11/17/2004	
Ethylbenzene	EPA 8260B	4K17010	1.0	**32**	2	11/17/2004	11/17/2004	
Toluene	EPA 8260B	4K17010	1.0	**3.9**	2	11/17/2004	11/17/2004	
o-Xylene	EPA 8260B	4K17010	1.0	**2.0**	2	11/17/2004	11/17/2004	
m,p-Xylenes	EPA 8260B	4K17010	2.0	**18**	2	11/17/2004	11/17/2004	
Xylenes, Total	EPA 8260B	4K17010	3.0	**19**	2	11/17/2004	11/17/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K17010	10	ND	2	11/17/2004	11/17/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K17010	10	ND	2	11/17/2004	11/17/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K17010	10	ND	2	11/17/2004	11/17/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K17010	2.0	**6.3**	2	11/17/2004	11/17/2004	
tert-Butanol (TBA)	EPA 8260B	4K17010	50	ND	2	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: INK0569-08 (MW-8-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
Ethylbenzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
Toluene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
o-Xylene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/16/2004	
m,p-Xylenes	EPA 8260B	4K16035	1.0	ND	1	11/16/2004	11/16/2004	
Xylenes, Total	EPA 8260B	4K16035	1.5	ND	1	11/16/2004	11/16/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/16/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/16/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/16/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K16035	1.0	**6.5**	1	11/16/2004	11/16/2004	
tert-Butanol (TBA)	EPA 8260B	4K16035	25	ND	1	11/16/2004	11/16/2004	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				

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Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INK0569-09 (MW-9-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K17010	10	**46**	20	11/17/2004	11/17/2004	
Ethylbenzene	EPA 8260B	4K17010	10	**1300**	20	11/17/2004	11/17/2004	
Toluene	EPA 8260B	4K17010	10	ND	20	11/17/2004	11/17/2004	
o-Xylene	EPA 8260B	4K17010	10	**80**	20	11/17/2004	11/17/2004	
m,p-Xylenes	EPA 8260B	4K17010	20	**1700**	20	11/17/2004	11/17/2004	
Xylenes, Total	EPA 8260B	4K17010	30	**1800**	20	11/17/2004	11/17/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K17010	100	ND	20	11/17/2004	11/17/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K17010	100	ND	20	11/17/2004	11/17/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K17010	100	ND	20	11/17/2004	11/17/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K17010	20	**210**	20	11/17/2004	11/17/2004	
tert-Butanol (TBA)	EPA 8260B	4K17010	500	**530**	20	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*96 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*96 %*				
Sample ID: INK0569-10 (MW-10-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K17010	0.50	ND	1	11/17/2004	11/17/2004	
Ethylbenzene	EPA 8260B	4K17010	0.50	ND	1	11/17/2004	11/17/2004	
Toluene	EPA 8260B	4K17010	0.50	ND	1	11/17/2004	11/17/2004	
o-Xylene	EPA 8260B	4K17010	0.50	ND	1	11/17/2004	11/17/2004	
m,p-Xylenes	EPA 8260B	4K17010	1.0	ND	1	11/17/2004	11/17/2004	
Xylenes, Total	EPA 8260B	4K17010	1.5	ND	1	11/17/2004	11/17/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K17010	5.0	ND	1	11/17/2004	11/17/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K17010	5.0	ND	1	11/17/2004	11/17/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K17010	5.0	ND	1	11/17/2004	11/17/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K17010	1.0	ND	1	11/17/2004	11/17/2004	
tert-Butanol (TBA)	EPA 8260B	4K17010	25	ND	1	11/17/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				

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SECOR-San Diego/ChevronTexaco
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San Diego, CA 92108
Attention: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: INK0569-11 (MW-11-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/17/2004	
Ethylbenzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/17/2004	
Toluene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/17/2004	
o-Xylene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/17/2004	
m,p-Xylenes	EPA 8260B	4K16035	1.0	ND	1	11/16/2004	11/17/2004	
Xylenes, Total	EPA 8260B	4K16035	1.5	ND	1	11/16/2004	11/17/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/17/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/17/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/17/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K16035	1.0	ND	1	11/16/2004	11/17/2004	
tert-Butanol (TBA)	EPA 8260B	4K16035	25	ND	1	11/16/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*92 %*				
Surrogate: Toluene-d8 (80-120%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*94 %*				
Sample ID: INK0569-12 (MW-12-W-041105 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/17/2004	
Ethylbenzene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/17/2004	
Toluene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/17/2004	
o-Xylene	EPA 8260B	4K16035	0.50	ND	1	11/16/2004	11/17/2004	
m,p-Xylenes	EPA 8260B	4K16035	1.0	ND	1	11/16/2004	11/17/2004	
Xylenes, Total	EPA 8260B	4K16035	1.5	ND	1	11/16/2004	11/17/2004	
Di-isopropyl Ether (DIPE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/17/2004	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/17/2004	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4K16035	5.0	ND	1	11/16/2004	11/17/2004	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4K16035	1.0	ND	1	11/16/2004	11/17/2004	
tert-Butanol (TBA)	EPA 8260B	4K16035	25	ND	1	11/16/2004	11/17/2004	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*109 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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SECOR-San Diego/ChevronTexaco
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Attention: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K16023 Extracted: 11/16/04										
Blank Analyzed: 11/16/04 (4K16023-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
LCS Analyzed: 11/16/04 (4K16023-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	369	100	ug/l	500		74	65-125			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Matrix Spike Analyzed: 11/16/04 (4K16023-MS1)					**Source: INK0569-02**					
Volatile Fuel Hydrocarbons (C4-C12)	1440	100	ug/l	1120	100	120	60-140			
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Matrix Spike Dup Analyzed: 11/16/04 (4K16023-MSD1)					**Source: INK0569-02**					
Volatile Fuel Hydrocarbons (C4-C12)	1430	100	ug/l	1120	100	119	60-140	1	20	
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Batch: 4K16035 Extracted: 11/16/04										
Blank Analyzed: 11/16/04 (4K16035-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			

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Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K16035 Extracted: 11/16/04										
LCS Analyzed: 11/16/04 (4K16035-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	358	100	ug/l	500		72	65-125			
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Matrix Spike Analyzed: 11/16/04 (4K16035-MS1)					**Source: INK0569-04**					
Volatile Fuel Hydrocarbons (C4-C12)	974	100	ug/l	1120	ND	87	60-140			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*27.5*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 11/16/04 (4K16035-MSD1)					**Source: INK0569-04**					
Volatile Fuel Hydrocarbons (C4-C12)	954	100	ug/l	1120	ND	85	60-140	2	20	
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*27.4*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Batch: 4K17010 Extracted: 11/17/04										
Blank Analyzed: 11/17/04 (4K17010-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.3*		*ug/l*	*25.0*		*93*	*80-120*			
LCS Analyzed: 11/17/04 (4K17010-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	405	100	ug/l	500		81	65-125			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			

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Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K17010 Extracted: 11/17/04										
Matrix Spike Analyzed: 11/17/04 (4K17010-MS1)					**Source: INK0569-10**					
Volatile Fuel Hydrocarbons (C4-C12)	1370	100	ug/l	1120	94	114	60-140			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Matrix Spike Dup Analyzed: 11/17/04 (4K17010-MSD1)					**Source: INK0569-10**					
Volatile Fuel Hydrocarbons (C4-C12)	1330	100	ug/l	1120	94	110	60-140	3	20	
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Batch: 4K17012 Extracted: 11/17/04										
Blank Analyzed: 11/17/04 (4K17012-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
LCS Analyzed: 11/17/04 (4K17012-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	349	100	ug/l	500		70	65-125			*M-3*
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Batch: 4K17022 Extracted: 11/17/04										
Blank Analyzed: 11/17/04 (4K17022-BLK1)										
Volatile Fuel Hydrocarbons (C4-C12)	ND	100	ug/l							
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/l*	*25.0*		*92*	*80-120*			

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Sampled: 11/05/04
Received: 11/08/04

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: 4K17022 Extracted: 11/17/04										
LCS Analyzed: 11/17/04 (4K17022-BS2)										
Volatile Fuel Hydrocarbons (C4-C12)	560	100	ug/l	500		112	65-125			
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.7*		*ug/l*	*25.0*		*95*	*80-120*			
Matrix Spike Analyzed: 11/17/04 (4K17022-MS1)					**Source: INK0569-06**					
Volatile Fuel Hydrocarbons (C4-C12)	1420	100	ug/l	1120	ND	127	60-140			
Surrogate: Dibromofluoromethane	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 11/17/04 (4K17022-MSD1)					**Source: INK0569-06**					
Volatile Fuel Hydrocarbons (C4-C12)	1370	100	ug/l	1120	ND	122	60-140	4	20	
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			

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Project ID: Chevron 9-1834

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Sampled: 11/05/04
Received: 11/08/04

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: 4K16023 Extracted: 11/16/04										
Blank Analyzed: 11/16/04 (4K16023-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	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*80-120*			
LCS Analyzed: 11/16/04 (4K16023-BS1)										
Benzene	23.7	0.50	ug/l	25.0		95	70-120			
Ethylbenzene	25.0	0.50	ug/l	25.0		100	80-120			
Toluene	24.3	0.50	ug/l	25.0		97	75-120			
o-Xylene	24.6	0.50	ug/l	25.0		98	75-125			
m,p-Xylenes	48.9	1.0	ug/l	50.0		98	75-120			
Xylenes, Total	73.5	1.5	ug/l	75.0		98	75-125			
Di-isopropyl Ether (DIPE)	25.5	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)	26.2	5.0	ug/l	25.0		105	60-140			
Methyl-tert-butyl Ether (MTBE)	26.1	1.0	ug/l	25.0		104	55-145			
tert-Butanol (TBA)	127	25	ug/l	125		102	70-140			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			

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

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K16023 Extracted: 11/16/04										
Matrix Spike Analyzed: 11/16/04 (4K16023-MS1)					**Source: INK0569-02**					
Benzene	25.7	0.50	ug/l	25.0	1.2	98	70-120			
Ethylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130			
Toluene	25.0	0.50	ug/l	25.0	ND	100	70-120			
o-Xylene	24.6	0.50	ug/l	25.0	ND	98	65-125			
m,p-Xylenes	50.0	1.0	ug/l	50.0	ND	100	65-130			
Xylenes, Total	74.6	1.5	ug/l	75.0	ND	99	65-135			
Di-isopropyl Ether (DIPE)	25.7	5.0	ug/l	25.0	0.38	101	65-140			
Ethyl tert-Butyl Ether (ETBE)	25.5	5.0	ug/l	25.0	ND	102	60-140			
tert-Amyl Methyl Ether (TAME)	27.3	5.0	ug/l	25.0	ND	109	55-145			
Methyl-tert-butyl Ether (MTBE)	27.7	1.0	ug/l	25.0	1.2	106	50-155			
tert-Butanol (TBA)	135	25	ug/l	125	7.2	102	65-145			
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Matrix Spike Dup Analyzed: 11/16/04 (4K16023-MSD1)					**Source: INK0569-02**					
Benzene	26.0	0.50	ug/l	25.0	1.2	99	70-120	1	20	
Ethylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130	1	20	
Toluene	25.2	0.50	ug/l	25.0	ND	101	70-120	1	20	
o-Xylene	25.2	0.50	ug/l	25.0	ND	101	65-125	2	20	
m,p-Xylenes	50.8	1.0	ug/l	50.0	ND	102	65-130	2	25	
Xylenes, Total	76.0	1.5	ug/l	75.0	ND	101	65-135	2	20	
Di-isopropyl Ether (DIPE)	25.6	5.0	ug/l	25.0	0.38	101	65-140	0	25	
Ethyl tert-Butyl Ether (ETBE)	25.0	5.0	ug/l	25.0	ND	100	60-140	2	25	
tert-Amyl Methyl Ether (TAME)	27.0	5.0	ug/l	25.0	ND	108	55-145	1	30	
Methyl-tert-butyl Ether (MTBE)	27.4	1.0	ug/l	25.0	1.2	105	50-155	1	25	
tert-Butanol (TBA)	147	25	ug/l	125	7.2	112	65-145	9	25	
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			

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SECOR-San Diego/ChevronTexaco
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Attention. Michele Boswell

Project ID. Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received. 11/08/04

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: 4K16035 Extracted: 11/16/04										
Blank Analyzed: 11/16/04 (4K16035-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	*26.5*		*ug/l*	*25 0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24 3*		*ug/l*	*25 0*		*97*	*80-120*			
LCS Analyzed: 11/16/04 (4K16035-BS1)										
Benzene	25 3	0.50	ug/l	25.0		101	70-120			
Ethylbenzene	28.2	0.50	ug/l	25.0		113	80-120			
Toluene	28.2	0.50	ug/l	25.0		113	75-120			
o-Xylene	27 2	0 50	ug/l	25 0		109	75-125			
m,p-Xylenes	56.0	1 0	ug/l	50.0		112	75-120			
Xylenes, Total	83 3	1 5	ug/l	75.0		111	75-125			
Di-isopropyl Ether (DIPE)	27 5	5 0	ug/l	25 0		110	65-135			
Ethyl tert-Butyl Ether (ETBE)	28.7	5 0	ug/l	25.0		115	60-140			
tert-Amyl Methyl Ether (TAME)	29 9	5 0	ug/l	25 0		120	60-140			
Methyl-tert-butyl Ether (MTBE)	29.2	1 0	ug/l	25 0		117	55-145			
tert-Butanol (TBA)	143	25	ug/l	125		114	70-140			
Surrogate Dibromofluoromethane	*25.7*		*ug/l*	*25 0*		*103*	*80-120*			
Surrogate: Toluene-d8	*27.4*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate 4-Bromofluorobenzene	*25 7*		*ug/l*	*25.0*		*103*	*80-120*			

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SECOR-San Diego/ChevronTexaco
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Attention: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K16035 Extracted: 11/16/04										
Matrix Spike Analyzed: 11/16/04 (4K16035-MS1)					**Source: INK0569-04**					
Benzene	21.9	0.50	ug/l	25.0	ND	88	70-120			
Ethylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-130			
Toluene	24.8	0.50	ug/l	25.0	ND	99	70-120			
o-Xylene	23.9	0.50	ug/l	25.0	ND	96	65-125			
m,p-Xylenes	49.5	1.0	ug/l	50.0	ND	99	65-130			
Xylenes, Total	73.4	1.5	ug/l	75.0	ND	98	65-135			
Di-isopropyl Ether (DIPE)	22.1	5.0	ug/l	25.0	ND	88	65-140			
Ethyl tert-Butyl Ether (ETBE)	21.0	5.0	ug/l	25.0	ND	84	60-140			
tert-Amyl Methyl Ether (TAME)	21.4	5.0	ug/l	25.0	ND	86	55-145			
Methyl-tert-butyl Ether (MTBE)	20.5	1.0	ug/l	25.0	ND	82	50-155			
tert-Butanol (TBA)	135	25	ug/l	125	6.4	103	65-145			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*27.5*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 11/16/04 (4K16035-MSD1)					**Source: INK0569-04**					
Benzene	21.1	0.50	ug/l	25.0	ND	84	70-120	4	20	
Ethylbenzene	23.8	0.50	ug/l	25.0	ND	95	70-130	7	20	
Toluene	23.3	0.50	ug/l	25.0	ND	93	70-120	6	20	
o-Xylene	22.5	0.50	ug/l	25.0	ND	90	65-125	6	20	
m,p-Xylenes	45.8	1.0	ug/l	50.0	ND	92	65-130	8	25	
Xylenes, Total	68.3	1.5	ug/l	75.0	ND	91	65-135	7	20	
Di-isopropyl Ether (DIPE)	22.3	5.0	ug/l	25.0	ND	89	65-140	1	25	
Ethyl tert-Butyl Ether (ETBE)	22.5	5.0	ug/l	25.0	ND	90	60-140	7	25	
tert-Amyl Methyl Ether (TAME)	22.7	5.0	ug/l	25.0	ND	91	55-145	6	30	
Methyl-tert-butyl Ether (MTBE)	22.6	1.0	ug/l	25.0	ND	90	50-155	10	25	
tert-Butanol (TBA)	127	25	ug/l	125	6.4	96	65-145	6	25	
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*27.4*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			

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Attention: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K17010 Extracted: 11/17/04										
Blank Analyzed: 11/17/04 (4K17010-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	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.3*		*ug/l*	*25.0*		*93*	*80-120*			
LCS Analyzed: 11/17/04 (4K17010-BS1)										
Benzene	20.7	0.50	ug/l	25.0		83	70-120			
Ethylbenzene	21.7	0.50	ug/l	25.0		87	80-120			
Toluene	21.2	0.50	ug/l	25.0		85	75-120			
o-Xylene	21.2	0.50	ug/l	25.0		85	75-125			
m,p-Xylenes	43.0	1.0	ug/l	50.0		86	75-120			
Xylenes, Total	64.3	1.5	ug/l	75.0		86	75-125			
Di-isopropyl Ether (DIPE)	20.7	5.0	ug/l	25.0		83	65-135			
Ethyl tert-Butyl Ether (ETBE)	20.7	5.0	ug/l	25.0		83	60-140			
tert-Amyl Methyl Ether (TAME)	21.7	5.0	ug/l	25.0		87	60-140			
Methyl-tert-butyl Ether (MTBE)	21.1	1.0	ug/l	25.0		84	55-145			
tert-Butanol (TBA)	108	25	ug/l	125		86	70-140			
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			

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Attention: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K17010 Extracted: 11/17/04										
Matrix Spike Analyzed: 11/17/04 (4K17010-MS1)					**Source: INK0569-10**					
Benzene	25.8	0.50	ug/l	25.0	ND	103	70-120			
Ethylbenzene	26.3	0.50	ug/l	25.0	ND	105	70-130			
Toluene	26.1	0.50	ug/l	25.0	ND	104	70-120			
o-Xylene	25.2	0.50	ug/l	25.0	ND	101	65-125			
m,p-Xylenes	51.4	1.0	ug/l	50.0	ND	103	65-130			
Xylenes, Total	76.6	1.5	ug/l	75.0	ND	102	65-135			
Di-isopropyl Ether (DIPE)	26.6	5.0	ug/l	25.0	ND	106	65-140			
Ethyl tert-Butyl Ether (ETBE)	26.7	5.0	ug/l	25.0	ND	107	60-140			
tert-Amyl Methyl Ether (TAME)	28.6	5.0	ug/l	25.0	ND	114	55-145			
Methyl-tert-butyl Ether (MTBE)	28.3	1.0	ug/l	25.0	ND	113	50-155			
tert-Butanol (TBA)	130	25	ug/l	125	ND	104	65-145			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
Matrix Spike Dup Analyzed: 11/17/04 (4K17010-MSD1)					**Source: INK0569-10**					
Benzene	25.8	0.50	ug/l	25.0	ND	103	70-120	0	20	
Ethylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	1	20	
Toluene	26.0	0.50	ug/l	25.0	ND	104	70-120	0	20	
o-Xylene	25.6	0.50	ug/l	25.0	ND	102	65-125	2	20	
m,p-Xylenes	51.9	1.0	ug/l	50.0	ND	104	65-130	1	25	
Xylenes, Total	77.5	1.5	ug/l	75.0	ND	103	65-135	1	20	
Di-isopropyl Ether (DIPE)	26.6	5.0	ug/l	25.0	ND	106	65-140	0	25	
Ethyl tert-Butyl Ether (ETBE)	26.6	5.0	ug/l	25.0	ND	106	60-140	0	25	
tert-Amyl Methyl Ether (TAME)	28.2	5.0	ug/l	25.0	ND	113	55-145	1	30	
Methyl-tert-butyl Ether (MTBE)	27.1	1.0	ug/l	25.0	ND	108	50-155	4	25	
tert-Butanol (TBA)	139	25	ug/l	125	ND	111	65-145	7	25	
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			

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Project ID: Chevron 9-1834

Report Number: INK0569

Sampled 11/05/04
Received: 11/08/04

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: 4K17012 Extracted: 11/17/04										
Blank Analyzed: 11/17/04 (4K17012-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	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
LCS Analyzed: 11/17/04 (4K17012-BS1)										
Benzene	25.4	0.50	ug/l	25.0		102	70-120			
Ethylbenzene	27.6	0.50	ug/l	25.0		110	80-120			
Toluene	27.4	0.50	ug/l	25.0		110	75-120			
o-Xylene	26.3	0.50	ug/l	25.0		105	75-125			
m,p-Xylenes	53.8	1.0	ug/l	50.0		108	75-120			
Xylenes, Total	80.0	1.5	ug/l	75.0		107	75-125			
Di-isopropyl Ether (DIPE)	27.5	5.0	ug/l	25.0		110	65-135			
Ethyl tert-Butyl Ether (ETBE)	29.4	5.0	ug/l	25.0		118	60-140			
tert-Amyl Methyl Ether (TAME)	31.0	5.0	ug/l	25.0		124	60-140			
Methyl-tert-butyl Ether (MTBE)	31.8	1.0	ug/l	25.0		127	55-145			
tert-Butanol (TBA)	130	25	ug/l	125		104	70-140			
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*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: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K17012 Extracted: 11/17/04										
Matrix Spike Analyzed: 11/17/04 (4K17012-MS1)					**Source: INK0571-02**					
Benzene	45.4	0.50	ug/l	25.0	21	98	70-120			
Ethylbenzene	57.4	0.50	ug/l	25.0	34	94	70-130			
Toluene	130	0.50	ug/l	25.0	110	80	70-120			*M-HA*
o-Xylene	77.2	0.50	ug/l	25.0	55	89	65-125			
m,p-Xylenes	181	1.0	ug/l	50.0	150	62	65-130			*M2*
Xylenes, Total	259	1.5	ug/l	75.0	200	79	65-135			
Di-isopropyl Ether (DIPE)	29.4	5.0	ug/l	25.0	ND	118	65-140			
Ethyl tert-Butyl Ether (ETBE)	31.7	5.0	ug/l	25.0	ND	127	60-140			
tert-Amyl Methyl Ether (TAME)	34.6	5.0	ug/l	25.0	ND	138	55-145			
Methyl-tert-butyl Ether (MTBE)	35.6	1.0	ug/l	25.0	ND	142	50-155			
tert-Butanol (TBA)	134	25	ug/l	125	5.6	103	65-145			
Surrogate: Dibromofluoromethane	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Matrix Spike Dup Analyzed: 11/17/04 (4K17012-MSD1)					**Source: INK0571-02**					
Benzene	47.2	0.50	ug/l	25.0	21	105	70-120	4	20	
Ethylbenzene	60.6	0.50	ug/l	25.0	34	106	70-130	5	20	
Toluene	134	0.50	ug/l	25.0	110	96	70-120	3	20	*M-HA*
o-Xylene	79.3	0.50	ug/l	25.0	55	97	65-125	3	20	
m,p-Xylenes	192	1.0	ug/l	50.0	150	84	65-130	6	25	
Xylenes, Total	272	1.5	ug/l	75.0	200	96	65-135	5	20	
Di-isopropyl Ether (DIPE)	28.5	5.0	ug/l	25.0	ND	114	65-140	3	25	
Ethyl tert-Butyl Ether (ETBE)	29.8	5.0	ug/l	25.0	ND	119	60-140	6	25	
tert-Amyl Methyl Ether (TAME)	31.2	5.0	ug/l	25.0	ND	125	55-145	10	30	
Methyl-tert-butyl Ether (MTBE)	30.6	1.0	ug/l	25.0	ND	122	50-155	15	25	
tert-Butanol (TBA)	135	25	ug/l	125	5.6	104	65-145	1	25	
Surrogate: Dibromofluoromethane	*26.0*		*ug/l*	*25.0*		*104*	*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*			

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: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K17022 Extracted: 11/17/04										
Blank Analyzed: 11/17/04 (4K17022-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	*23.9*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/l*	*25.0*		*92*	*80-120*			
LCS Analyzed: 11/17/04 (4K17022-BS1)										
Benzene	25.6	0.50	ug/l	25.0		102	70-120			
Ethylbenzene	26.0	0.50	ug/l	25.0		104	80-120			
Toluene	25.7	0.50	ug/l	25.0		103	75-120			
o-Xylene	25.2	0.50	ug/l	25.0		101	75-125			
m,p-Xylenes	51.3	1.0	ug/l	50.0		103	75-120			
Xylenes, Total	76.4	1.5	ug/l	75.0		102	75-125			
Di-isopropyl Ether (DIPE)	26.7	5.0	ug/l	25.0		107	65-135			
Ethyl tert-Butyl Ether (ETBE)	26.2	5.0	ug/l	25.0		105	60-140			
tert-Amyl Methyl Ether (TAME)	27.2	5.0	ug/l	25.0		109	60-140			
Methyl-tert-butyl Ether (MTBE)	26.8	1.0	ug/l	25.0		107	55-145			
tert-Butanol (TBA)	123	25	ug/l	125		98	70-140			
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			

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Project Manager

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

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

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: 4K17022 Extracted: 11/17/04										
Matrix Spike Analyzed: 11/17/04 (4K17022-MS1)					**Source: INK0569-06**					
Benzene	26.0	0.50	ug/l	25.0	ND	104	70-120			
Ethylbenzene	26.9	0.50	ug/l	25.0	ND	108	70-130			
Toluene	26.6	0.50	ug/l	25.0	0.54	104	70-120			
o-Xylene	25.8	0.50	ug/l	25.0	ND	103	65-125			
m,p-Xylenes	52.2	1.0	ug/l	50.0	ND	104	65-130			
Xylenes, Total	78.0	1.5	ug/l	75.0	ND	104	65-135			
Di-isopropyl Ether (DIPE)	27.7	5.0	ug/l	25.0	ND	111	65-140			
Ethyl tert-Butyl Ether (ETBE)	27.3	5.0	ug/l	25.0	ND	109	60-140			
tert-Amyl Methyl Ether (TAME)	27.8	5.0	ug/l	25.0	ND	111	55-145			
Methyl-tert-butyl Ether (MTBE)	27.8	1.0	ug/l	25.0	ND	111	50-155			
tert-Butanol (TBA)	129	25	ug/l	125	8.5	96	65-145			
Surrogate: Dibromofluoromethane	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 11/17/04 (4K17022-MSD1)					**Source: INK0569-06**					
Benzene	25.8	0.50	ug/l	25.0	ND	103	70-120	1	20	
Ethylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	3	20	
Toluene	26.2	0.50	ug/l	25.0	0.54	103	70-120	2	20	
o-Xylene	25.2	0.50	ug/l	25.0	ND	101	65-125	2	20	
m,p-Xylenes	51.6	1.0	ug/l	50.0	ND	103	65-130	1	25	
Xylenes, Total	76.8	1.5	ug/l	75.0	ND	102	65-135	2	20	
Di-isopropyl Ether (DIPE)	26.9	5.0	ug/l	25.0	ND	108	65-140	3	25	
Ethyl tert-Butyl Ether (ETBE)	26.5	5.0	ug/l	25.0	ND	106	60-140	3	25	
tert-Amyl Methyl Ether (TAME)	27.1	5.0	ug/l	25.0	ND	108	55-145	3	30	
Methyl-tert-butyl Ether (MTBE)	26.8	1.0	ug/l	25.0	ND	107	50-155	4	25	
tert-Butanol (TBA)	161	25	ug/l	125	8.5	122	65-145	22	25	
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*100*	*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: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

DATA QUALIFIERS AND DEFINITIONS

M2	The MS and/or MSD were below 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).
M-HA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. 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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Project Manager

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Attention: Michele Boswell

Project ID: Chevron 9-1834

Report Number: INK0569

Sampled: 11/05/04
Received: 11/08/04

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 8260B	Water	X	X
TPH by GC/MS	Water	X	X

NV 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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iNK0569

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 1 of 2 10668

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 Service Order No: 9323720
Chevron Line Item: 23

Chevron Service Code: ZZ02800
☐ Construction/Retail Job or
☒ Retail and Terminal Business Unit (RTBU) Job

NOTE:
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., Ste. 302, San Diego, CA 92108
Consultant Contact: M. Barnell
Consultant Phone No. 619-296-6195
Consultant Project No. 08CH.41834.04
Sampling Company: SECOR
Sampled By (Print): T. Barrett
Sampler Signature:

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

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

EDF Required?
☒ Yes
☐ No

ANALYSES REQUIRED

Special Instructions: Please use Cancy of SD detection limits. Send EDF + PDF to mbarnell@secor.com

Temp. Blank Check: Time ___ Temp. ___

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	Container Type	# of Containers	Preservation	EPA 8015B GRO ☐ DRO ☐ ORO ☐ TPHO ☐ 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	—	041105	1148	VOA	6	HCl + ICE			X						
MW-2	↓	—	↓	1422	↓	↓	↓			↓						
MW-3	↓	—	↓	1212	↓	↓	↓			↓						
MW-4	↓	—	↓	1358	↓	↓	↓			↓						
MW-5	↓	—	↓	1620	↓	↓	↓			↓						
MW-6	↓	—	↓	1450	↓	↓	↓			↓						
MW-7	↓	—	↓	1509	↓	↓	↓			↓						
MW-8	↓	—	↓	1454	↓	↓	↓			↓						
MW-9	↓	—	↓	1615	↓	↓	↓			↓						
MW-10	↓	—	↓	1225	↓	↓	↓			↓						

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
[signature]	SECOR	11/8/04 1350	[signature]	DMAI	11/8/04 1350
[signature]	SECOR	11/8/04 1730	[signature]		11/8/04 1732
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

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

Sample Integrity: (Check by lab on arrival) Intact: ✓ On Ice: ✓ Temp: 4°C

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 145 S. State College Boulevard ■ Brea, CA 92822-2292 COC 2 of 2 10669

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 Service Order No: 9323720
Chevron Line Item: 23

Chevron Service Code: ZZ02800
☐ Construction/Retail Job or
☒ Retail and Terminal Business Unit (RTBU) Job

NOTE:
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., Ste. 302, San Diego, CA 92108
Consultant Contact: M. Boswell
Consultant Phone No. 619-296-6195
Consultant Project No. 08CH.4.1834.04
Sampling Company: SECOR
Sampled By (Print): T. Barrett
Sampler Signature:

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

EDF Required?
☒ Yes
☐ No

ANALYSES REQUIRED

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

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 310.1 ALKALINITY ☐	EPA 150.1 PH ☐	SM 2510B SPECIFIC CONDUCTIVITY ☐	EPA 413.1 OIL/GREASES ☐	EPA 418.1 TRPH ☐			
MW-11	W	—	041105	1547	VOA	6	HCl + ICE			X										
MW-12	W	—	041105	1622	VOA	6	HCl + ICE			X										

Temp. Blank Check

Time	Temp.

Notes/Comments

Relinquished By	Company	Date/Time:	Relinquished To	Company
[signature]	SECOR	11/8/04 1350	11/8/04 1350	DMAI
[signature]	SECOR	11/8/04 1730	11/8/04 1730	[signature]
Relinquished By	Company	Date/Time:	Relinquished To	Company

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

Sample Integrity: (Check by lab on arrival)
Intact: ☐ On Ice: ☐ Temp: 4°C

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

SECOR International Incorporated

Depth to Water Gauging Log

Project and Job Number: 08CH.41834.04 / 0790

Chevron 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)	Water Level Elevation [2] (feet)	Remarks
LPH MW-1	8/11/2004	1042	IP#1	IC	69.59	52.71	16.88	no sock - visible sheen no measurable LPH
MW-2	8/11/2004	1111	S#3	JM	68.02	50.38	17.64	
MW-3	8/11/2004	1103	S#3	JM	68.01	50.33	17.68	
MW-4	8/11/2004	1041	S#3	JM	69.85	51.84	18.01	
MW-5	8/11/2004	1056	S#3	JM	67.37	49.94	17.43	
MW-6	8/11/2004	1120	S#3	JM	68.56	50.91	17.65	
MW-7	8/11/2004	1130	S#3	JM	68.52	51.75	16.77	
MW-8	8/11/2004	1048	S#3	JM	~~70.52~~ 70.50	52.22	~~18.33~~	18.28
LPH MW-9	8/11/2004	1051	IP#1	IC	69.37	52.35	17.02	no sock - visible sheen no measurable LPH
MW-10	8/11/2004	1010	S#1	IC	68.07	51.28	16.79	
MW-11	8/11/2004	1126	S#1	IC	70.20	52.41	17.79	
MW-12	8/11/2004	1115	S#1	IC	71.65	53.34	18.31	

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

EC84045

SECOR

International Incorporated

Monitoring Well Inspection Report

Site No. & Name: Chevron #9-1834

Date: 8/11/2004

Project Number: 08CH.41834.04 / 0790

Field Personnel: JC | JM

	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)	Monument	E	E	E	E	E	Monument	E
INTERIOR	Type of Well Seal (Dirt, Concrete, etc.)		C	D	D	D	D	D	C	D
	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	NA	G	G	G	G	G	G	G
	Lock on Well	Y-Yes N-No	NA	Y	Y	n	Y	Y	Y	Y
	Liquid Present in Well Vault	Y-Yes N-No	NA	n	n	Y	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	G	G	G				
	Properly Secured	Y-Yes N-No	Y	Y	N bots stripped	Y				
	Type of Well Vault	(E=EMCO Wheaton M=Morrison V=Vault)	Monument	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	P				
	Rubber Seal Condition	G-Good P-Poor	NA	G	G	G				
	Lock on Well	Y-Yes N-No	NA	Y	Y	Y				
	Liquid Present in Well Vault	Y-Yes N-No	NA	n	N	N				

Comments:

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 1
	Project Name: Chevron #9-1834		Date: 8/11/2004
	Project Number: 08CH.41834.04 / 0790		Sample Time: no sample
	SECOR Rep:	Checked by:	Sample No: MW- 1

PURGING & SAMPLING EQUIPMENT / METHOD	WELL SPECIFICATIONS & MEASUREMENTS	
Water Level Meter Type & ID: Solinist #	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):	
Sampling Method: _____Teflon Bailer _____Disposable Bailer _____Other:_____	Total Well Depth (DTB) (ft): 69.00	Water Column:
	Floating Product:	Thickness (in):
Decontamination Method: ___Steam / High Pressure Wash ___3 Stage (Alconox, Tap & DI rinse) ___Other:	Borehole Volume (gal):	1.5 Borehole Volumes (gal):

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
	Started Purging					

SHEEN

Maximum Drawdown (DTW_2) (ft) =	____Fast Recharging Well
H^2O Removal Rate (GPM) =	____Slow Recharging Well

SAMPLING INFORMATION

Time Sampled:	Depth to Water at time of sampling (DTW_3):

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

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

$$\%\ of\ Recovery = 1 - \frac{(\quad)-(\quad)}{(\quad)-(\quad)} = ____$$

$$= ____\ \%$$

80% Recharge = _____

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 7
Project Number:	08CH.41834.04 / 0790	Date:	8/11/2004
SECOR Rep:	J Morell	Sample Time:	1211
Checked by:	JOB	Sample No:	MW- 7

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 3

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

pH Temp/Conductivity Meter Type / ID: 4

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): 51.75

Total Well Depth (DTB) (ft): 69.10

Water Column: 17.35

Floating Product: —

Thickness (in): —

Borehole Volume (gal): 26.03

1.5 Borehole Volumes (gal): 39.04

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1136	Started Purging					
1153	52.03	26.5	7.15	21.3	4.99m	Brown, odorless, cloudy
1205	52.04	39.5	7.05	21.2	5.27	"
1211	51.76	Sample				

Maximum Drawdown (DTW_2) (ft) = 52.04

H^2O Removal Rate (GPM) = 1.36

✓ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1211

Depth to Water at time of sampling (DTW_3): 51.76

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

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

$$\% \text{ of Recovery} = 1 - \frac{(51.75)-(51.76)}{(51.75)-(52.04)} = \frac{-0.01}{-0.29} = 97\%$$

80% Recharge = 51.81

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 9
	Project Name: Chevron #9-1834		Date: 8/11/2004
	Project Number: 08CH.41834.04 / 0790		Sample Time: no sample
	SECOR Rep:	Checked by:	Sample No: MW- 9

PURGING & SAMPLING EQUIPMENT / METHOD	WELL SPECIFICATIONS & MEASUREMENTS	
Water Level Meter Type & ID: Solinist #	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):	
Sampling Method: ____Teflon Bailer ____Disposable Bailer ____Other:	Total Well Depth (DTB) (ft): 66.90	Water Column:
Decontamination Method: ___Steam / High Pressure Wash ___3 Stage (Alconox, Tap & DI rinse) ___Other:	Floating Product:	Thickness (in):
	Borehole Volume (gal):	1.5 Borehole Volumes (gal):

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
	Started Purging					

SHEEN

Maximum Drawdown (DTW_2) (ft) =	____Fast Recharging Well
H^2O Removal Rate (GPM) =	____Slow Recharging Well

SAMPLING INFORMATION

Time Sampled:	Depth to Water at time of sampling (DTW_3):

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

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

$$\%\ of\ Recovery = 1 - \frac{(\quad)-(\quad)}{(\quad)-(\quad)} = ____$$

$$= ____\ \%$$

80% Recharge =

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

SECOR Rep(s): EC/JM

Project Number: 08CH.41834.04 / 0790

Sample Date(s): 8/11/2004

Chain-of Custody Number:

				Temperature Taken By:		
Date	Time	Sample Location/Container	Temperature*	Name	Company	Initials
08/11/04	1140	cooler	4°C	E. Cummings	Secor	K
	1245		4°C			
	1332		4°C			
	1407		4°C			

* 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: 8/11/2004

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-7	—	40 gal	W	

The laboratory analyses are attached.

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

Total # of Drums w/ Water 1 Volume 40 gal

Consultants Name: Secor

Project Manager's Name: Kim Thompson

SECOR International Incorporated

DAILY FIELD LOG:

SAMPLER(s): I. Cummings J. Morell

STATION NO.: Chevron #9-1834

Job Number: 08CH.41834.04 / 0790

Arrived on Site: 0915

Departed Site: 1230

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	4 x 40ml VOA	NA	n/a	8/11/2004	NA		SHEEN
MW-2	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	NA	n/a	8/11/2004	NA		no sample this 1/4
MW-3	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	NA	n/a	8/11/2004	NA		
MW-4	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	NA	n/a	8/11/2004	NA		
MW-5	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	NA	n/a	8/11/2004	NA		
MW-6	-n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	NA	n/a	8/11/2004	NA		
* MW-7	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	51.76	n/a	8/11/2004	1211		
MW-8	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	NA	n/a	8/11/2004	NA		no sample
* MW-9	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	NA	n/a	8/11/2004	NA		SHEEN
MW-10	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	NA	n/a	8/11/2004	NA		no sample

QC Sample Checklist:

Source Water #: NA

Trip Blank #: NA

Atmospheric Blank #: NA

Temp. Blank: Y

Field Dup. #: NA

Rinsate #: NA

DATA RECORDED BY IC / JM DATE 8/11/2004 CHECKED & REVIEWED BY TDS DATE

Field Calibration Buffers		Actual Readings
pH	4.00	
pH	7.00	
pH	10.00	
Conductivity	1413	

COMMENTS: 0915 - arrive onsite HASP setup work station 0935 - setup TC for MW-10 guage 1030 complete TC: guage, begin ~~purge~~ guage onsite well 1130 complete guage, begin purge MW-7 MW-1, MW-9 have sheen and not sampled per R. Thompson request 1210 - complete sample and cleanup 1230 depart site

TC cont # BC84045

SECOR International Incorporated

SAMPLER(s): TC/JM

DAILY FIELD LOGBOOK:

STATION NO.: Chevron #9-1834

Job Number 08CH.40896.03 / 0480

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	4 x 40ml VOA	NA	n/a	8/11/2004	NA		no sample this 1/4
MW-12	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	4 x 40ml VOA	NA	n/a	8/11/2004	NA		↓

QC Sample Checklist:

Source Water #:

Trip Blank #:

Atmospheric Blank #:

Temp. Blank:

Field Dup. #:

Rinsate #:

DATA RECORDED BY

DATE 8/11/2004

CHECKED & REVIEWED BY

DATE

Field Calibration Buffers		Actual Readings
pH	4.00	
pH	7.00	
pH	10.00	
Conductivity	1413	

COMMENTS:

SECOR International Incorporated

Depth to Water Gauging Log

Project and Job Number: 08CH.41834.04 / 0790

Station No: Chevron #9-1834

Site: 4175 Voltaire Street, San Diego, CA

Checked By: TDS

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	11/05/04	1036	IP 3	IC	69.59	52.71	—	16.88	SHEEN / SOCK
MW-2	11/05/04	1020	S3	IC	68.02	50.35	—	17.67	
MW-3	11/05/04	1012	8	TB	68.01	50.34	—	17.67	
MW-4	11/05/04	1010	S8	TB	69.85	51.85	—	18.00	
MW-5	11/05/04	1015	S83	IC	67.37	49.92	—	17.45	
MW-6	11/05/04	1022	S3	IC	68.56	50.82	—	17.74	
MW-7	11/05/04	1026	S3	IC	68.52	51.63	—	16.89	
MW-8	11/05/04	1010	S 3	IC	70.50	52.14	—	18.36	
MW-9	11/05/04	1039	IP 3	IC	69.37	52.34	—	17.03	SHEEN / SOCK
MW-10	11/05/04	1038	S8	TB	68.07	51.37	—	16.70	
MW-11	11/05/04	1024	8	TB	70.20	52.42	—	17.78	
MW-12	11/05/04	1028	8	TB	71.65	53.33	—	18.32	

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

DAILY FIELD NOTES

Page: 1 of 1
Date: 11/5/2004

Client: CHEVRON	Site No: 9-1834	Project No: 08CH.41834.04 / 0790

Scope of Work: 4th 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	
pH	7.00	
pH	10.00	
Conductivity	1413	

Field Notes:

- 1000 Arrive onsite (staff meeting in office), H+S, setup
- 1010 Begin gauging, set up TC
- 1110 Begin purging wells, sample when ready
- 1250 TC broken down, called off
- 1630 All wells sampled, clean up site - empty Unit tank
- 1700 Depart site

Mob / Demob Time:
Travel Time:

Arrived on site: 1000
Departed site: 1700

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:
—

TC Calloff Confirmation Number: EC85100 @ 1255

Important Changes in Scope of Work:
—

Weather Conditions: overcast to sunny

Subcontractors On Site: **TCS Other:**

SECOR Personnel On Site: JC, TB, MW, JM

Signed: [signature]

Date: 11-5-04

SECOR

International Incorporated

Monitoring Well Inspection Report

Site No. & Name: Chevron #9-1834 Date: 11/5/2004

Project Number: 08CH.41834.04 / 0790 Field Personnel: J. Cummings, T. Barrett

	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	E	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)	N/A	G	G	G	G	G	G	G
	Rubber Seal Condition (G-Good P-Poor)	N/A	G	G	G	G	G	G	G
	Lock on Well (Y-Yes N-No)	N/A	Y	Y	Y	Y	Y	Y	Y
	Liquid Present in Well Vault (Y-Yes N-No)	N/A	N	N	Y	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	G	G	G				
	Properly Secured (Y-Yes N-No)	Y	N	Y	Y				
	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	C				
	Well Casing Type (i.e. 2" or 4")	4	4	4	4				
	Locking Cap Condition (G-Good P-Poor)	N/A	G	G	G				
	Rubber Seal Condition (G-Good P-Poor)	N/A	G	G	G				
	Lock on Well (Y-Yes N-No)	N/A	Y	Y	Y				
	Liquid Present in Well Vault (Y-Yes N-No)	N/A	N	N	N				

Comments:

SECOR International Incorporated

DAILY FIELD LOG:

Job Number 08CH.41834.04 / 0790

SAMPLER(s): IC, TB, WW, JM

Arrived on Site: 1000

STATION NO.: Chevron #9-1834

Departed Site: 1700

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	52.80	n/a	11/5/2004	1618		SHEEN
MW-2	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	50.73	n/a	11/5/2004	1422		
MW-3	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	50.35	n/a	11/5/2004	1212		
MW-4	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	52.12	n/a	11/5/2004	1358		
MW-5	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	50.54	n/a	11/5/2004	1620		
MW-6	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	50.92	n/a	11/5/2004	1450		
MW-7	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	51.84	n/a	11/5/2004	1509		
MW-8	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	52.22	n/a	11/5/2004	1454		
MW-9	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	52.34	n/a	11/5/2004	1615		SHEEN
MW-10	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	51.37	n/a	11/5/2004	1225		

QC Sample Checklist:

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

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

DATA RECORDED BY _____ DATE 11/5/2004 CHECKED & REVIEWED BY _____ DATE _____

COMMENTS:

SECOR International Incorporated

SAMPLER(s): _____

DAILY FIELD LOGBOOK: _____

STATION NO.: Chevron #9-1834

Job Number 08CH.41834.04 / 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	52.91	n/a	11/5/2004	1547		
MW-12	n/a	9-1834	n/a	H2O	See C.O.C.	HCL	6 x 40ml VOA	53.33	n/a	11/5/2004	1622		

QC Sample Checklist:

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

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

DATA RECORDED BY _____ DATE 11/5/2004 CHECKED & REVIEWED BY _____ 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: 11/5/2004

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-3,10	–	55	W	
2	MW-4,8,2	–	↓	↓	
3	MW-7,6	–			
4	MW-5,	–			
5	MW-11,9,1	–	↓		
6	MW-12,9	–	40	↓	

The laboratory analyses are attached.

Summary: Total # of Drums w/ Soil — Volume

Total # of Drums w/ Water 6 Volume ~ 310

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

SECOR Rep(s):

Project Number: 08CH.41834.04 / 0790

Sample Date(s): 11/5/2004

Chain-of Custody Number:

				Temperature Taken By:		
Date	Time	Sample Location/Container	Temperature*	Name	Company	Initials
11-5-04	1200	Cooler w/ice	4	T. Burnett	SECOR	TDB
	1300		5			TDB
	1400		4			TDB
	1500		4			TDB
	1600		4			TDB
	1700		4			TDB
						TDB

* 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.41834.04 / 0790	Date:	11/5/2004
SECOR Rep: T.Burnett	Checked by: TDB	Sample Time:	1618
		Sample No:	MW- 1

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: 34

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): 52.71

Total Well Depth (DTB) (ft): 69.00

Water Column: 16.29

Floating Product:

Thickness (in):

Borehole Volume (gal): 24.4

1.5 Borehole Volumes (gal): 36.7

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1543	Started Purging					
1559	53.34	25	7.36	23.2	3890	black, cloudy, strong HC odor, sheen
1610	53.48	37	7.37	23.2	4000	" " " "
1618	52.80	Sample				

Maximum Drawdown (DTW_2) (ft) = 53.48

H^2O Removal Rate (GPM) = 1.37

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1618

Depth to Water at time of sampling (DTW_3): 52.80

Container Types & Volumes	Filtered (Y/N)	Sample Preservatives	Analytical Parameters
6 x 40ml VOAs	N	(HCL & ICE) or NONE	TPHg, BTEX, MTBE, (8015, 8260)
			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:
Sampled per request of K. Thompson

RECOVERY CALCULATIONS

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

$$\% \text{ of Recovery} = 1 - \frac{(52.71) - (52.80)}{(52.71) - (53.48)} = \frac{0.09}{.77}$$

$$= 88 \%$$

80% Recharge = 52.86

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 2
Project Number:	08CH.41834.04 / 0790	Date:	11/5/2004
SECOR Rep: T. Burrett	Checked by: TDB	Sample Time:	1422
		Sample No:	MW- 2

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 8

Purging Equipment / Method: ___ Vac Truck ___ Submersible Pump X Bailer ___ 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): 50.35

Total Well Depth (DTB) (ft): 68.40

Water Column: 18.05

Floating Product: –

Thickness (in): –

Borehole Volume (gal): 27.1

1.5 Borehole Volumes (gal): 40.6

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1341	Started Purging					
1358	52.58	28	7.32	22.7	4070	light brown, slight cloudy, slight odor
1413	52.64	41	7.35	22.8	4130	" " "
1422	50.73	Sample				

Maximum Drawdown (DTW_2) (ft) = 52.64

H^2O Removal Rate (GPM) = 1.28

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1422

Depth to Water at time of sampling (DTW_3): 50.73

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

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

$$\% \text{ of Recovery} = 1 - \frac{(50.35) - (50.73)}{(50.35) - (52.64)} = \frac{-0.38}{-2.29}$$

$$= 83\ \%$$

80% Recharge = 50.81

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 3
	Project Name: Chevron #9-1834		Date: 11/5/2004
	Project Number: 08CH.41834.04 / 0790		Sample Time: 1212
	SECOR Rep: J. Cummings	Checked by: JDS	Sample No: MW- 3

PURGING & SAMPLING EQUIPMENT / METHOD	WELL SPECIFICATIONS & MEASUREMENTS	
Water Level Meter Type & ID: Solinist # 3	Borehole Diameter (in): 8 (10) 12	
Purging Equipment / Method: ___Vac Truck ___Bailer X Submersible Pump ___Other	Casing Diameter (in): 2 (4)	
pH Temp/Conductivity Meter Type / ID:	Depth to Water (DTW_1) (ft): 50.34	
Sampling Method: ___Teflon Bailer X Disposable Bailer ___Other:	Total Well Depth (DTB) (ft): 65.10	Water Column: 14.76
Decontamination Method: ___Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___Other:	Floating Product: –	Thickness (in): –
	Borehole Volume (gal): 22.1	1.5 Borehole Volumes (gal): 33.2

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1119	Started Purging					
1145	52.76	22.5	7.47	23.5	3.76	clear, colorless, no odor
1158	53.02	33.5	7.42	23.6	3.89	" " "
1212	50.85	sample				

Maximum Drawdown (DTW_2) (ft) = 53.02

H^2O Removal Rate (GPM) = 0.86

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1212

Depth to Water at time of sampling (DTW_3): 50.85

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

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

$$\% \text{ of Recovery} = 1 - \frac{(50.34) - (50.85)}{(50.34) - (53.02)} = \frac{-0.51}{-2.68}$$

$$= 81\ \%$$

80% Recharge = 50.88

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 4
Project Number:	08CH.41834.04 / 0790	Date:	11/5/2004
SECOR Rep:	I. Cummings	Sample Time:	1358
Checked by:	TDB	Sample No:	MW- 4

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 3

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

pH Temp/Conductivity Meter Type / ID: 3A

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): 51.85

Total Well Depth (DTB) (ft): 66.00

Water Column: 14.15

Floating Product:

Thickness (in):

Borehole Volume (gal): 21.[illegible]

1.5 Borehole Volumes (gal): 31.8

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1316	Started Purging					
1341	53.15	21.5	7.45	22.8	4.13	clear, colorless, no odor
1353	53.20	32.0	7.43	22.7	4.18	" " "
1358	52.12	Sample				

Maximum Drawdown (DTW_2) (ft) = 53.24

H^2O Removal Rate (GPM) = 0.86

✓ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1358

Depth to Water at time of sampling (DTW_3): 52.12

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

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

$$\% \text{ of Recovery} = 1 - \frac{(51.85)-(52.12)}{(51.85)-(53.20)} = \frac{-0.27}{-1.35} = 80\%$$

80% Recharge = 52.12

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name	Chevron #9-1834	Well No:	MW- 5
Project Number:	08CH.41834.04 / 0790	Date:	11/5/2004
SECOR Rep: J. Morell	Checked by: TDS	Sample Time:	1620
		Sample No:	MW- 5

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 2

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 ___ 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): 49.92

Total Well Depth (DTB) (ft): 63.40

Water Column: 13.48

Floating Product:

Thickness (in):

Borehole Volume (gal): 20.2

1.5 Borehole Volumes (gal): 30.3

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1430	Started Purging					
1453	Dry	20.5	7.74	22.6	3.23	Brown, odorless, cloudy
1522	Dry	30.5	7.70	22.5	3.25	"
1620	50.54	Sample				

Maximum Drawdown (DTW_2) (ft) = 63.40

H^2O Removal Rate (GPM) = ~~0.585~~ 0.59

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1620

Depth to Water at time of sampling (DTW_3):

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

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

$$\% \text{ of Recovery} = 1 - \frac{(49.92)-(50.54)}{(49.92)-(63.40)} = \frac{.62}{13.48} = \frac{\cancel{96}\ \%}{95\%}$$

80% Recharge = ~~52.67~~ 52.62

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 6
	Project Name: Chevron #9-1834		Date: 11/5/2004
	Project Number: 08CH.41834.04 / 0790		Sample Time: 14:50
	SECOR Rep: T. Barrett	Checked by: TOB	Sample No: MW- 6

PURGING & SAMPLING EQUIPMENT / METHOD	WELL SPECIFICATIONS & MEASUREMENTS	
Water Level Meter Type & ID: Solinist # 8	Borehole Diameter (in): 8 (10) 12	
Purging Equipment / Method: ___ Vac Truck ___ Bailer X Submersible Pump ___ Other	Casing Diameter (in): 2 (4)	
pH Temp/Conductivity Meter Type / ID: 3A	Depth to Water (DTW_1) (ft): 50.82	
Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:	Total Well Depth (DTB) (ft): 65.70	Water Column: 14.88
	Floating Product:	Thickness (in):
Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other	Borehole Volume (gal): 22.3	1.5 Borehole Volumes (gal): 33.5

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1334	Started Purging					
~~1420~~ 1401	51.70	23	7.55	22.4	3900	light brown, clear, odorless
1420	51.86	34	7.53	22.1	3870	" " "
1450	50.92	Sample				

Maximum Drawdown (DTW_2) (ft) = 51.86	X Fast Recharging Well
H^2O Removal Rate (GPM) = 0.74	___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 14:50	Depth to Water at time of sampling (DTW_3): 50.92

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

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

$$\% \text{ of Recovery} = 1 - \frac{(50.82) - (50.92)}{(50.82) - (51.86)} = \frac{-0.10}{-1.04}$$

$$= 90\ \%$$

80% Recharge = 51.03

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 7
Project Number:	08CH.41834.04 / 0790	Date:	11/5/2004
SECOR Rep:	W Wong	Sample Time:	1509
Checked by:	TDS	Sample No:	MW- 7

PURGING & SAMPLING EQUIPMENT/ METHOD

Water Level Meter Type & ID: Solinist # 1

Purging Equipment / Method: ___ Vac Truck ✓ Submersible Pump ___ Bailer ___ 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): 51.63

Total Well Depth (DTB) (ft): 69.10

Water Column: 17.47

Floating Product:

Thickness (in):

Borehole Volume (gal): 26.2

1.5 Borehole Volumes (gal): 39.3

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1457 ~~1444~~	Started Purging					
1502	52.68	26.5	7.53	23.4	4050	tan, low silt, low odor
1506	52.63	39.5	7.55	23.6	4120	"
1509	51.84	sample				

Maximum Drawdown (DTW_2) (ft) = 52.68

H^2O Removal Rate (GPM) = 2.63

✓ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1509

Depth to Water at time of sampling (DTW_3): 51.84

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

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

$$\% \text{ of Recovery} = 1 - \frac{(51.63) - (51.84)}{(51.63) - (\cancel{52.} \; 52.68)} = \frac{-.21}{-1.05}$$

$$= 80 \%$$

80% Recharge = 51.84

~~1445~~ 11

SECOR

INTERNATIONAL, INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name	Chevron #9-1834	Well No:	MW- 8
Project Number:	08CH.41834.04 / 0790	Date:	11/5/2004
SECOR Rep:	I. Cummins	Sample Time:	1454
Checked by:	TDS	Sample No:	MW- 8

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 3

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

pH Temp/Conductivity Meter Type / ID: 3A

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): 52.14

Total Well Depth (DTB) (ft): 62.30

Water Column: 10.16

Floating Product:

Thickness (in):

Borehole Volume (gal): 15.2

1.5 Borehole Volumes (gal): 22.9

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1423	Started Purging					
1441	52.68	15.5	7.51	22.6	4.21	clear, colorless, moderate
1451	52.60	23.0	7.42	22.5	4.20	" " "
1454	52.22	sample				

Maximum Drawdown (DTW_2) (ft) = 52.68

H^2O Removal Rate (GPM) = 0.82

✓ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1454

Depth to Water at time of sampling (DTW_3): 52.22

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

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

$$\%\ of\ Recovery = 1 - \frac{(52.14)-(52.22)}{(52.14)-(\cancel{52.60})\ 52.68} = \frac{\cancel{0.08}}{\cancel{0.46}\ 0.54}$$

$$= \frac{\cancel{83}\ \%}{85\%}$$

80% Recharge = ~~52.23~~ 52.25

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 9
	Project Name: Chevron #9-1834		Date: 11/5/2004
	Project Number: 08CH.41834.04 / 0790		Sample Time: 1615
	SECOR Rep:	Checked by:	Sample No: MW- 9

PURGING & SAMPLING EQUIPMENT / METHOD	WELL SPECIFICATIONS & MEASUREMENTS	
Water Level Meter Type & ID: Solinist # 3	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: 3A	Depth to Water (DTW_1) (ft): 52.34	
Sampling Method: ___Teflon Bailer ✓ Disposable Bailer ___Other:	Total Well Depth (DTB) (ft): 66.90	Water Column: 14.56
Decontamination Method: ___Steam / High Pressure Wash ✓ 3 Stage (Alconox, Tap & DI rinse) ___Other	Floating Product:	Thickness (in):
	Borehole Volume (gal): 21.8	1.5 Borehole Volumes (gal): 32.8

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1538	Started Purging					
1559	53.98	22.	7.90	21.9	3.22	grey, cloudy, strong odor
1605	54.76	23	7.86	22.0	3.44	" " "
1615	52.34	Sample				

Maximum Drawdown (DTW_2) (ft) = 54.76

H^2O Removal Rate (GPM) = 1.22

✓ Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1615

Depth to Water at time of sampling (DTW_3): 52.34

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

RECOVERY CALCULATIONS

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

$$\% \text{ of Recovery} = 1 - \frac{(52.34)-(52.34)}{(52.34)-(54.76)} = \frac{0}{-2.42}$$

$$= 100\ \%$$

80% Recharge = 52.82

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 10
	Project Name: Chevron #9-1834		Date: 11/5/2004
	Project Number: 08CH.41834.04 / 0790		Sample Time: 12:25
	SECOR Rep: T. Barnett	Checked by: TOB	Sample No: MW- 10

PURGING & SAMPLING EQUIPMENT / METHOD	WELL SPECIFICATIONS & MEASUREMENTS	
Water Level Meter Type & ID: Solinist # 8	Borehole Diameter (in): 8 (10) 12	
Purging Equipment / Method: ___ Vac Truck ___ Bailer X Submersible Pump ___ Other	Casing Diameter (in): 2 (4)	
pH Temp/Conductivity Meter Type / ID:	Depth to Water (DTW_1) (ft): 51.37	
Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:	Total Well Depth (DTB) (ft): 65.00	Water Column: 13.63
Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:	Floating Product:	Thickness (in):
	Borehole Volume (gal): 20.4	1.5 Borehole Volumes (gal): 30.7

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (μ mhos)	Water Description (odor, turbidity, color)
1133	Started Purging					
1154	51.51	21	7.34	22.4	4020	clear, colorless, odorless
1218	51.50	31	7.33	22.9	4100	" " "
1225	51.37	Sample				

Maximum Drawdown (DTW_2) (ft) = 51.51

H^2O Removal Rate (GPM) = 0.69

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 12:25

Depth to Water at time of sampling (DTW_3): 51.37

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

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

$$\% \text{ of Recovery} = 1 - \frac{(51.37) - (51.37)}{(51.37) - (51.51)} = \frac{0}{-0.14}$$

$$= 100\ \%$$

80% Recharge = 51.40

SECOR INTERNATIONAL INCORPORATED	WELL PURGING / SAMPLING LOG		Well No: MW- 11
	Project Name: Chevron #9-1834		Date: 11/5/2004
	Project Number: 08CH.41834.04 / 0790		Sample Time: 1547
	SECOR Rep: W Wong	Checked by: TDB	Sample No: MW- 11

PURGING & SAMPLING EQUIPMENT / METHOD	WELL SPECIFICATIONS & MEASUREMENTS	
Water Level Meter Type & ID: Solinist # 1	Borehole Diameter (in): 8 (10) 12	
Purging Equipment / Method: U ___ Vac Truck X Submersible Pump ___ Other; X Bailer	Casing Diameter (in): 2 (4)	
pH Temp/Conductivity Meter Type / ID:	Depth to Water (DTW_1) (ft): 52.42	
Sampling Method: ___ Teflon Bailer X Disposable Bailer ___ Other:	Total Well Depth (DTB) (ft): 64.90	Water Column: 12.48
Decontamination Method: ___ Steam / High Pressure Wash X 3 Stage (Alconox, Tap & DI rinse) ___ Other:	Floating Product:	Thickness (in):
	Borehole Volume (gal): 18.7	1.5 Borehole Volumes (gal): 28.1

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (µ mhos)	Water Description (odor, turbidity, color)
1536	Started Purging					
1541	54.28	19	7.50	22.2	3940	tan, low silt, low odor
1543	54.86	28.5	7.48	22.3	390	"
1547	52.91	sample				

Maximum Drawdown (DTW_2) (ft) = 54.88

H^2O Removal Rate (GPM) = 4.07

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1547

Depth to Water at time of sampling (DTW_3): 52.91

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

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

$$\% \text{ of Recovery} = 1 - \frac{(52.42) - (52.91)}{(52.42) - (54.88)} = \frac{-.49}{2.46}$$

$$= 80\ \%$$

80% Recharge = 52.91

SECOR

INTERNATIONAL INCORPORATED

WELL PURGING / SAMPLING LOG

Project Name:	Chevron #9-1834	Well No:	MW- 12
Project Number:	08CH.41834.04 / 0790	Date:	11/5/2004
SECOR Rep:	J. Morell	Sample Time:	1622
Checked by:	TAB	Sample No:	MW- 12

PURGING & SAMPLING EQUIPMENT / METHOD

Water Level Meter Type & ID: Solinist # 2

Purging Equipment / Method: ___ Vac Truck ___ Submersible Pump X Bailer ___ 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): 53.33

Total Well Depth (DTB) (ft): 64.90

Water Column: 11.57

Floating Product:

Thickness (in):

Borehole Volume (gal): 17.4

1.5 Borehole Volumes (gal): 26.03

PURGING INFORMATION

Time	DTW (ft)	Water Volume Purged (gal)	pH	Temp (°C)	Elect. Cond. (µ mhos)	Water Description (odor, turbidity, color)
1533	Started Purging					
1547	53.45	17.5	7.55	21.9	3.99	Brown, odorless, cloudy
1556	53.50	26.5	7.51	22.0	3.91	"
~~1620~~	53.33	Sample				
1622						

Maximum Drawdown (DTW_2) (ft) = 53.50

H^2O Removal Rate (GPM) = ~~1.26~~ 1.15

X Fast Recharging Well

___ Slow Recharging Well

SAMPLING INFORMATION

Time Sampled: 1622

Depth to Water at time of sampling (DTW_3): 53.33

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

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

$$\% \text{ of Recovery} = 1 - \frac{(53.33)-(53.33)}{(53.33)-(53.50)} = \frac{.00}{-.17} = 100\%$$

80% Recharge = 53.36

APPENDIX C
MONITORING WELL PURGING AND SAMPLING PROCEDURES

DATE: January 31, 2005

THIRD & FOURTH QUARTER 2004 GROUNDWATER MONITORING REPORT
CHEVRON STATION 9-1834
4175 Voltaire, San Diego, CA

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.

DATE: January 31, 2005

THIRD & FOURTH QUARTER 2004 GROUNDWATER MONITORING REPORT
CHEVRON STATION 9-1834
4175 Voltaire, San Diego, CA

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.