APPENDIX B

Quarterly Status and Monitoring Report dated October 15, 2005

SECOR

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ATLANTIC RICHFIELD COMPANY QUARTERLY REPORT
Quarter 2, 2005 (July 15, 2005)

Station No.: 1289 Address: 4861 E. Firestone Boulevard, South Gate, California
Atlantic Richfield Company Environmental Engineer/Phone No.: Ray Vose / (818) 957-1755
Consulting Co./Contact Person/Phone No.: SECOR/Ken Degreene/ (805) 230-1266 Ext 239
SECOR Project No.: 37BP.01298.02.
Primary Agency/Regulatory ID No.: RWQCB-Los Angeles Region / Nhan Bao / File No. I-12054
Other Agencies to Receive Copies: None

WORK PERFORMED THIS QUARTER [Second - 2005]:
1. Completed quarterly groundwater sampling and prepared SCMU to include Quarterly Status Report.
2. Conducted operation of the Soil Vapor Extraction (SVE) System.

WORK PROPOSED FOR NEXT QUARTER [Third - 2005]:
1. Conduct quarterly groundwater sampling and prepare SCMU to include Quarterly Status Report.
2. Conduct routine remediation system operation and maintenance.
3. Begin start up of AS/SVE system.

Current Phase of Project:	Remediation	(Assmnt, Remed. etc)
Frequency of Sampling:	SVE Monthly/GW Quarterly	(Quarterly, etc.)
Frequency of Monitoring:	SVE Weekly/GW Quarterly	(Monthly, etc.)
Separate Phase Hydrocarbon Present On-Site	No	(Yes/No)
Cumulative SPH Recovered to Date:	N/A	(gallons)
SPH Recovered This Quarter:	N/A	(gallons)
Bulk Soil Removed to Date:	418	(cubic yards)
Bulk Soil Removed This Quarter:	0	(cubic yards)
Water Wells or Surface Waters (4000-ft) radius Radius & Their Respective Directions:	02S/12W-31M02S, 499' E 02S/13W-36H01S, 1,673' NW 03S/12W-06D04S, 2,284' S 03S/12W-06D02S, 2,480' S	(Distance and Direction)
Current Remediation Techniques:	SVE	(SVES, SPH Removal)
Permits for Discharge:	SCAQMD PTO No. 64766	(NPDES, POTW, etc.)
Approximate Depth to Groundwater:	Range: 44.07 to 46.10	(Measured Feet)
Groundwater Gradient:	Northeast	(Direction)
	0.012 feet/foot	(Magnitude)

REGISTERED GEOLOGIST
ANDREW JAMES MODUGNO
No. 7036
Exp 8/31/07
STATE OF CALIFORNIA

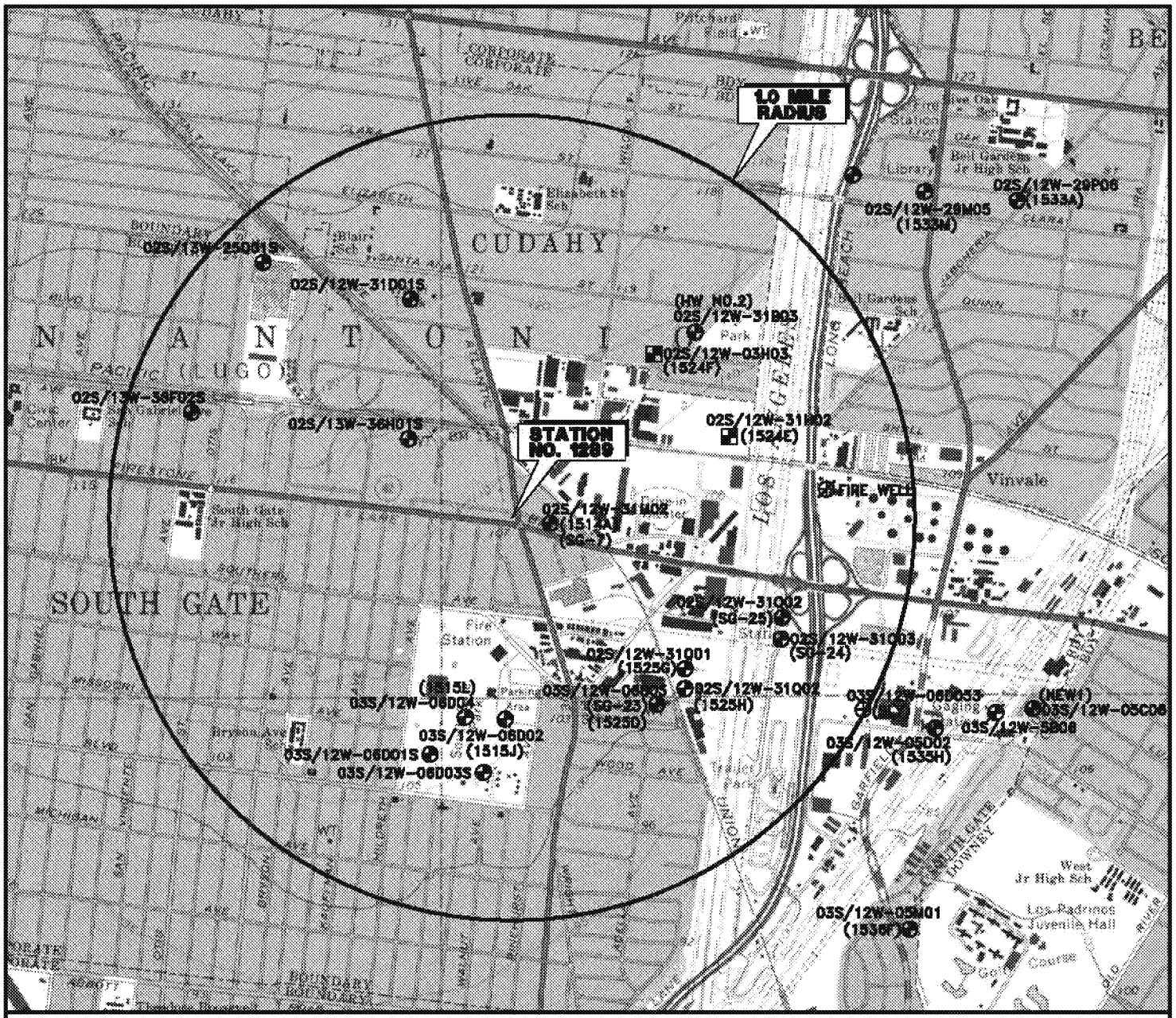
Agency Directive Requirement: 1) Implementation of Final Draft Guidelines for Investigation and Clean-up of MTBE & other Oxygenates (agency letter dated March dated March 14, 2001).

ATTACHED:

Figure 1 - Site Location Map Showing Municipal Wells Within A One-Mile Radius
Figure 2 - Groundwater Contour and Hydrocarbon Concentration Map
Figure 3 - Site Vicinity Map
Figure 4 - Dissolved GRO Isoconcentration Map
Figure 5 - Dissolved Benzene Isoconcentration Map
Figure 6 - Dissolved MTBE Isoconcentration Map
Figure 7 - Dissolved TBA Isoconcentration Map
Figure 8 - GRO Benzene Vapor Concentrations vs. Time
Figure 9 - Cumulative Pounds of Hydrocarbons Removed
Table 1 - VES Operation Report
Table 2 - Summary of VES Operation Data
Table 3 - SVE System Operational Summary
Table 4 - Individual Well Field Monitoring Data
Table 5 - Individual Air Sparge Well Monitoring Data
Table 6 - Summary of Process Vapor Sampling Results
Table 7 - Summary of Groundwater Analytical and Elevation Results
Appendix A - Groundwater, GRO, Benzene, MTBE, and TBA Concentration vs. Time Plots
Appendix B - Laboratory Reports and Chains-of-Custody
Appendix C - Groundwater Sampling Data Sheets, Bi-Weekly Purging Data Sheets & Weekly O&M Data Sheets
Appendix D - Waste Disposal Documents

cc: Mr. Dan Allen, Signalized Intersection West, 15644 Pomeredo, Suite 203, Poway, CA 92064 – October 15, 2005

Figures



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, SOUTH GATE QUADRANGLE, 1964
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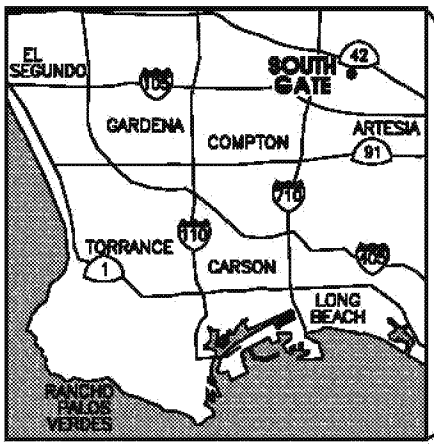

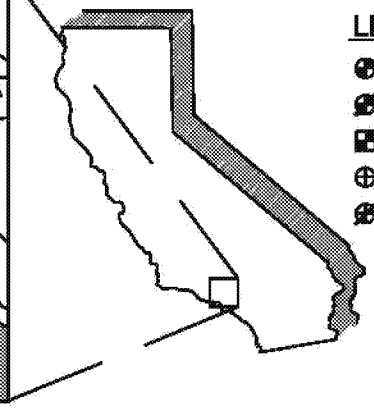

LEGEND

- PUBLIC SUPPLY WELL
- PUBLIC SUPPLY WELL (ABANDONED)
- OBSERVATION WELL
- WELL
- WELL (ABANDONED)

N

0 2000 4000

APPROXIMATE SCALE (FEET)

SECOR

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(805) 230-1266/230-1277 (Fax)

FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 1289
4861 East Firestone Boulevard
South Gate, California

SITE LOCATION MAP SHOWING MUNICIPAL WELLS WITHIN A ONE-MILE RADIUS

FIGURE: 1

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.01289.02.0336	RLE	L. Moreno	K. DeGreene	10/16/06

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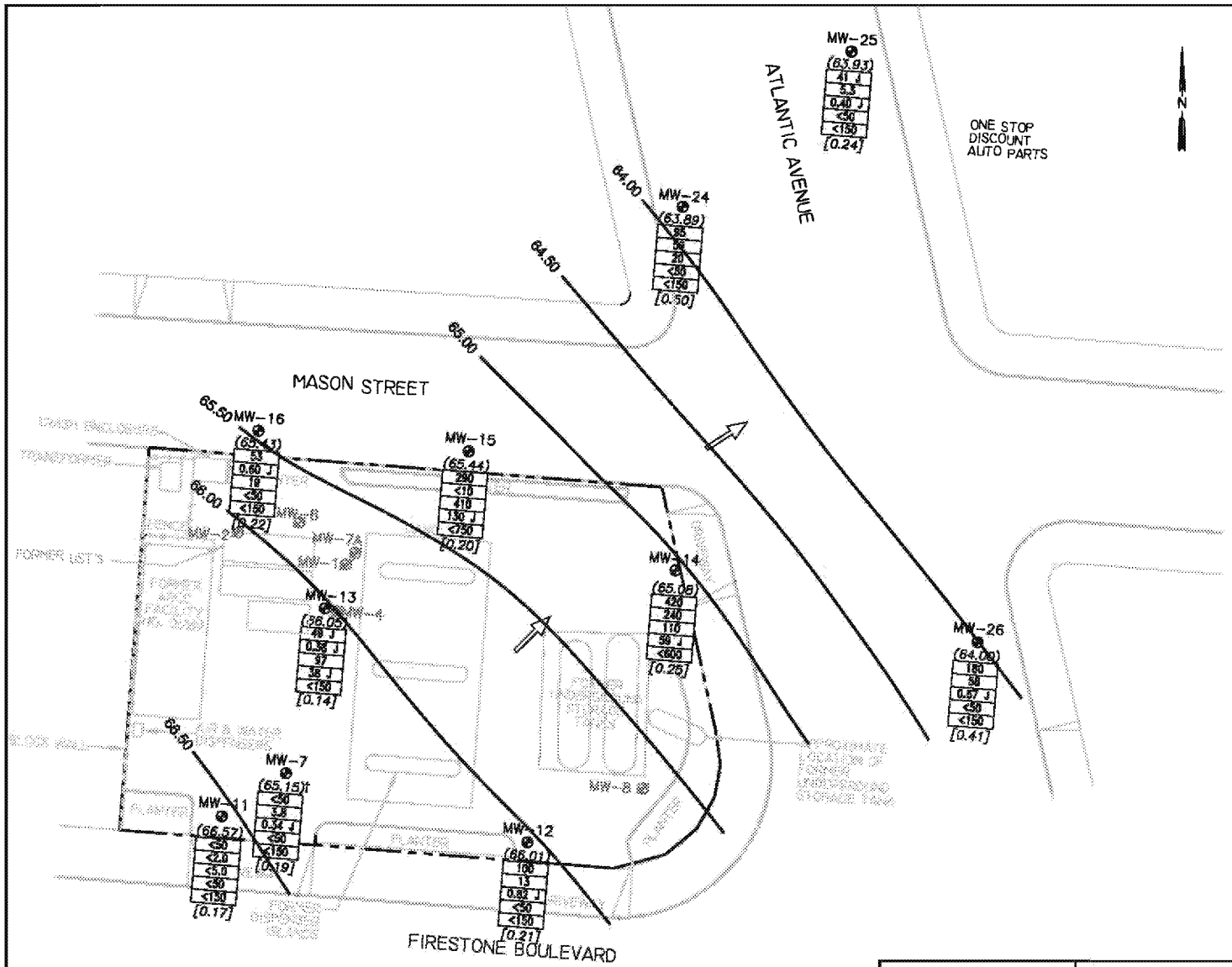

LEGEND:

MW-13	GROUNDWATER MONITORING WELL LOCATION
MW-3	DESTROYED WELL LOCATION
(66.05)	GROUNDWATER ELEVATION (Feet above mean sea level)
GRO / BENZ / MTBE / TBA / ETHANOL	GASOLINE RANGE ORGANICS (C4–C12), BENZENE, MTBE, TERTIARY BUTANOL, AND ETHANOL CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
[0.14]	DISSOLVED-OXYGEN CONCENTRATIONS IN GROUNDWATER
⇨	GROUNDWATER FLOW DIRECTION
~	GROUNDWATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)
(J)	ESTIMATED VALUE; BELOW THE REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT (MDL)
†	ANOMALOUS GROUNDWATER DATA; NOT USED FOR CONTOURING

NOTES:

1. SOURCE OF MAP: SECOR MAP DATED JUNE 2003 AND LOS ANGELES COUNTY ASSESSORS MAP DATED MARCH 8,1958.
2. GROUNDWATER MONITORING WELLS SURVEYED DECEMBER 9, 2004 BY W. M. HOLDINGS. SITE FEATURES ARE APROXIMATE.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED AUGUST 1, 2005.

0 30 60

APPROXIMATE SCALE (FEET)

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FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 1288
4861 EAST FIRESTONE BOULEVARD
SOUTH GATE CALIFORNIA

GROUNDWATER CONTOUR AND HYDROCARBON CONCENTRATIONS MAP

FIGURE: **2**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
378P.01288.02[illegible]36	SLE	L. Morana	N. Degrassa	10/15/05

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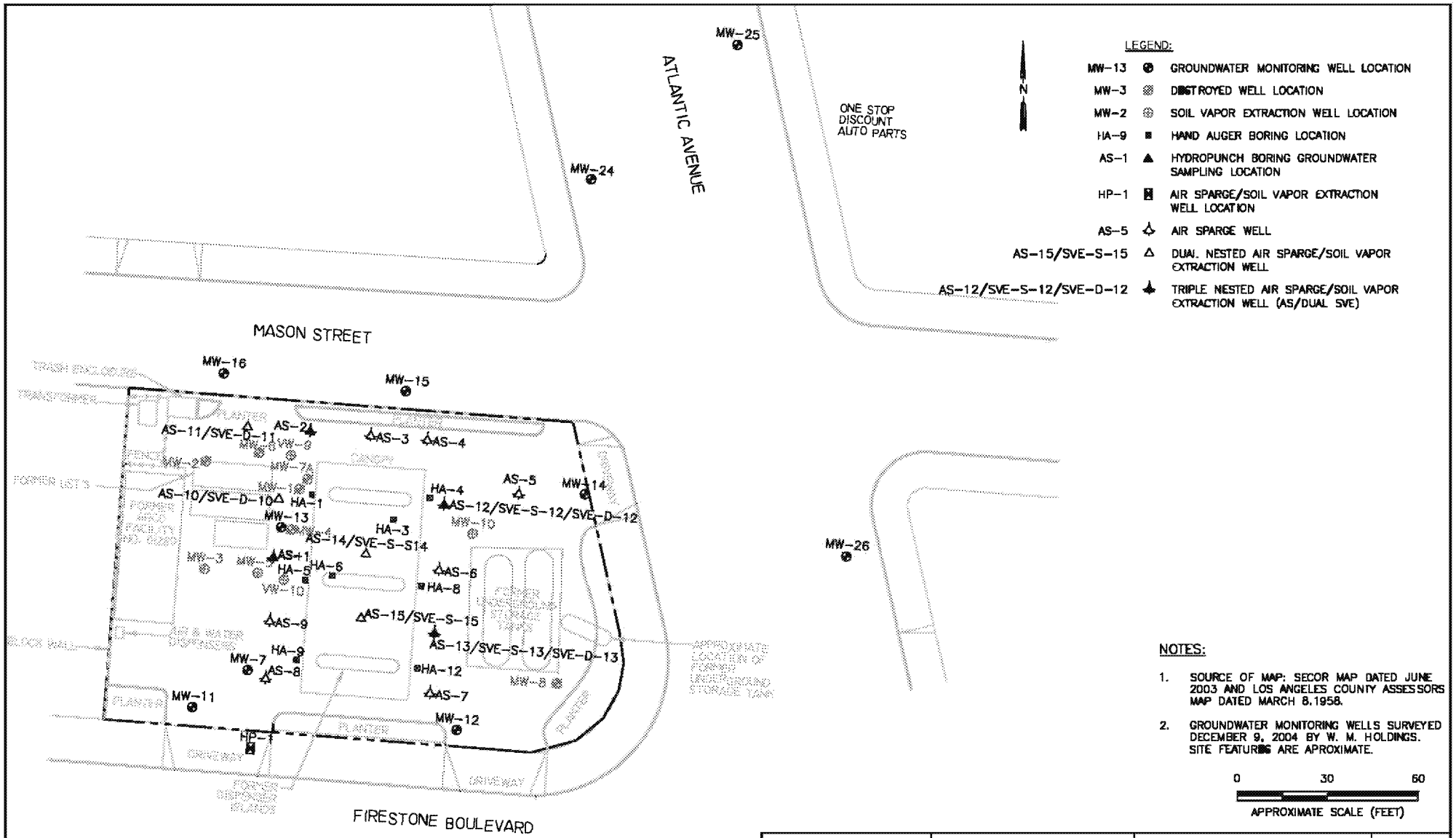

NOTES:

1. SOURCE OF MAP: SECOR MAP DATED JUNE 2003 AND LOS ANGELES COUNTY ASSESSORS MAP DATED MARCH 8,1958.
2. GROUNDWATER MONITORING WELLS SURVEYED DECEMBER 9, 2004 BY W. M. HOLDINGS. SITE FEATURES ARE APROXIMATE.

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FOR:
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STATION NO. 1288
4861 EAST FIRESTONE BOULEVARD
SOUTH GATE CALIFORNIA

SITE VICINITY MAP

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
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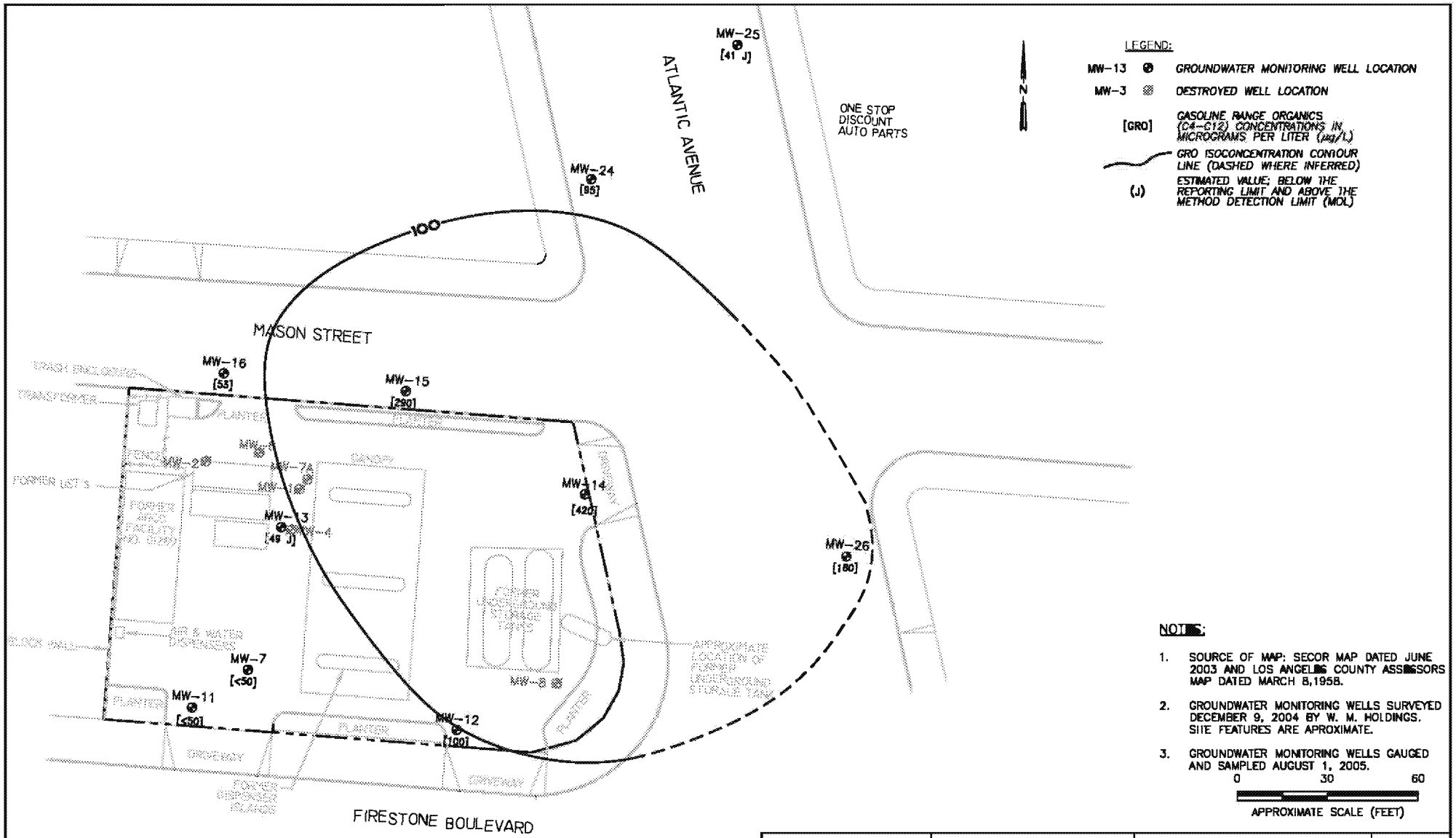
LEGEND:
MW-13 GROUNDWATER MONITORING WELL LOCATION
MW-3 DESTROYED WELL LOCATION
[GRO] GASOLINE RANGE ORGANICS (C4-C12) CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
GRO ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)
(J) ESTIMATED VALUE; BELOW THE REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT (MDL)
N
ONE STOP DISCOUNT AUTO PARTS
ATLANTIC AVENUE
MASON STREET
FIRESTONE BOULEVARD
MW-25 [41 J]
MW-24 [95]
MW-16 [55]
MW-15 [290]
MW-14 [420]
MW-26 [180]
MW-13 [49 J]
MW-7 [<50]
MW-11 [<50]
MW-12 [100]
100
APPROXIMATE LOCATION OF FORMER UNDERGROUND STORAGE TANK
NOTES:
1. SOURCE OF MAP: SECOR MAP DATED JUNE 2003 AND LOS ANGELES COUNTY ASSESSORS MAP DATED MARCH 8,1958.
2. GROUNDWATER MONITORING WELLS SURVEYED DECEMBER 9, 2004 BY W. M. HOLDINGS. SITE FEATURES ARE APROXIMATE.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED AUGUST 1, 2005.
0 30 60
APPROXIMATE SCALE (FEET)
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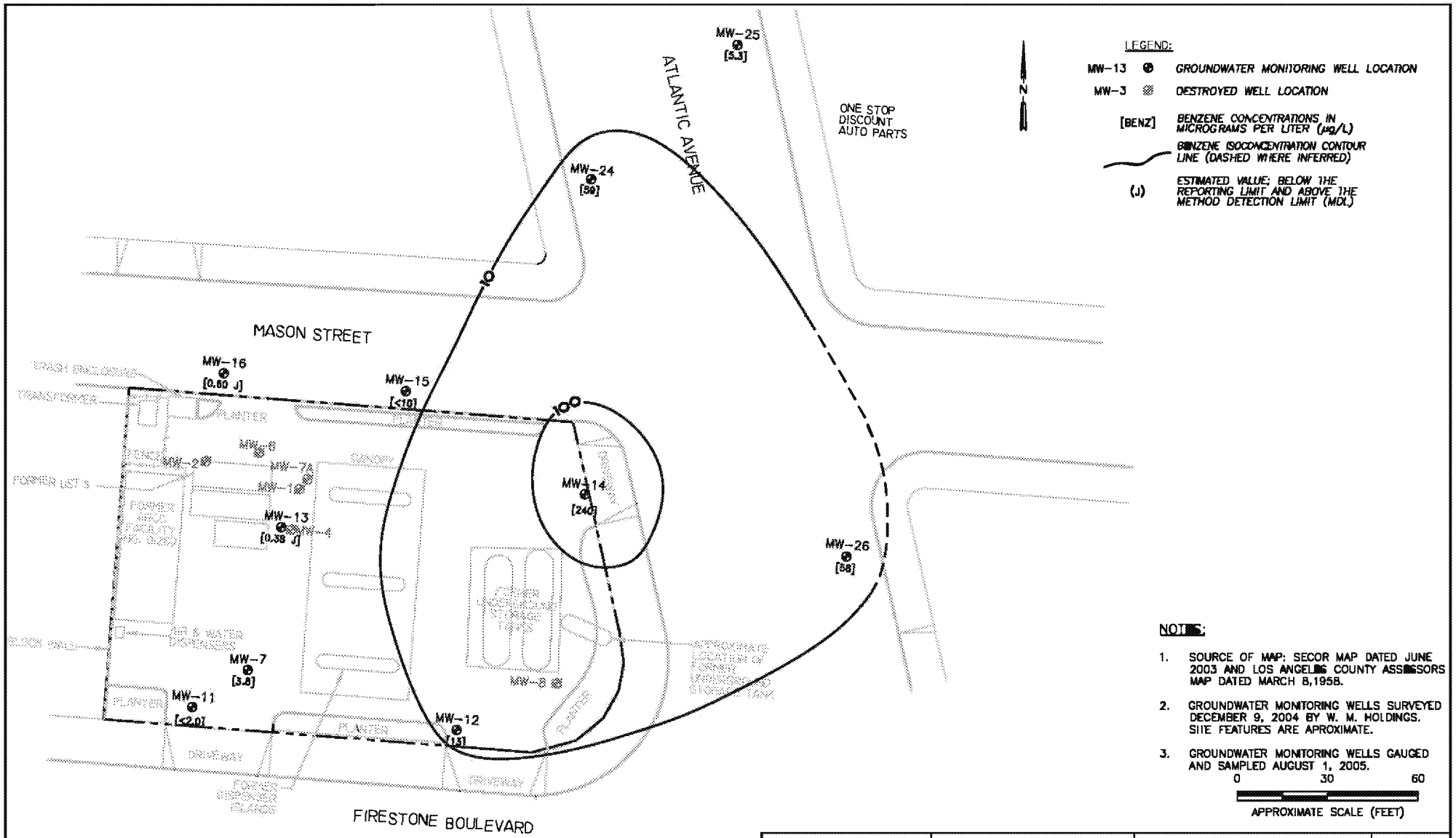
FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 1288
4861 EAST FIRESTONE BOULEVARD
SOUTH GATE CALIFORNIA
DISSOLVED GRO
ISOCONCENTRATION MAP
FIGURE:
4
JOB NUMBER:
DRAWN BY:
CHECKED BY:
L. Moreno
APPROVED BY:
N. Degrassia
DATE:
10/15/05



LEGEND:

MW-13	GROUNDWATER MONITORING WELL LOCATION
MW-3	DESTROYED WELL LOCATION
[BENZ]	BENZENE CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
	BENZENE ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)
(J)	ESTIMATED VALUE; BELOW THE REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT (MDL)

NOTES:

1. SOURCE OF MAP: SECOR MAP DATED JUNE 2003 AND LOS ANGELES COUNTY ASSESSORS MAP DATED MARCH 8,1958.
2. GROUNDWATER MONITORING WELLS SURVEYED DECEMBER 9, 2004 BY W. M. HOLDINGS. SITE FEATURES ARE APROXIMATE.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED AUGUST 1, 2005.

0 30 60

APPROXIMATE SCALE (FEET)

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FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 1288
4861 EAST FIRESTONE BOULEVARD
SOUTH GATE CALIFORNIA

DISSOLVED BENZENE
ISOCONCENTRATION MAP

FIGURE: 5

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
378P.01288.02[illegible]	SLE	L. Morona	N. Degrasse	10/15/05

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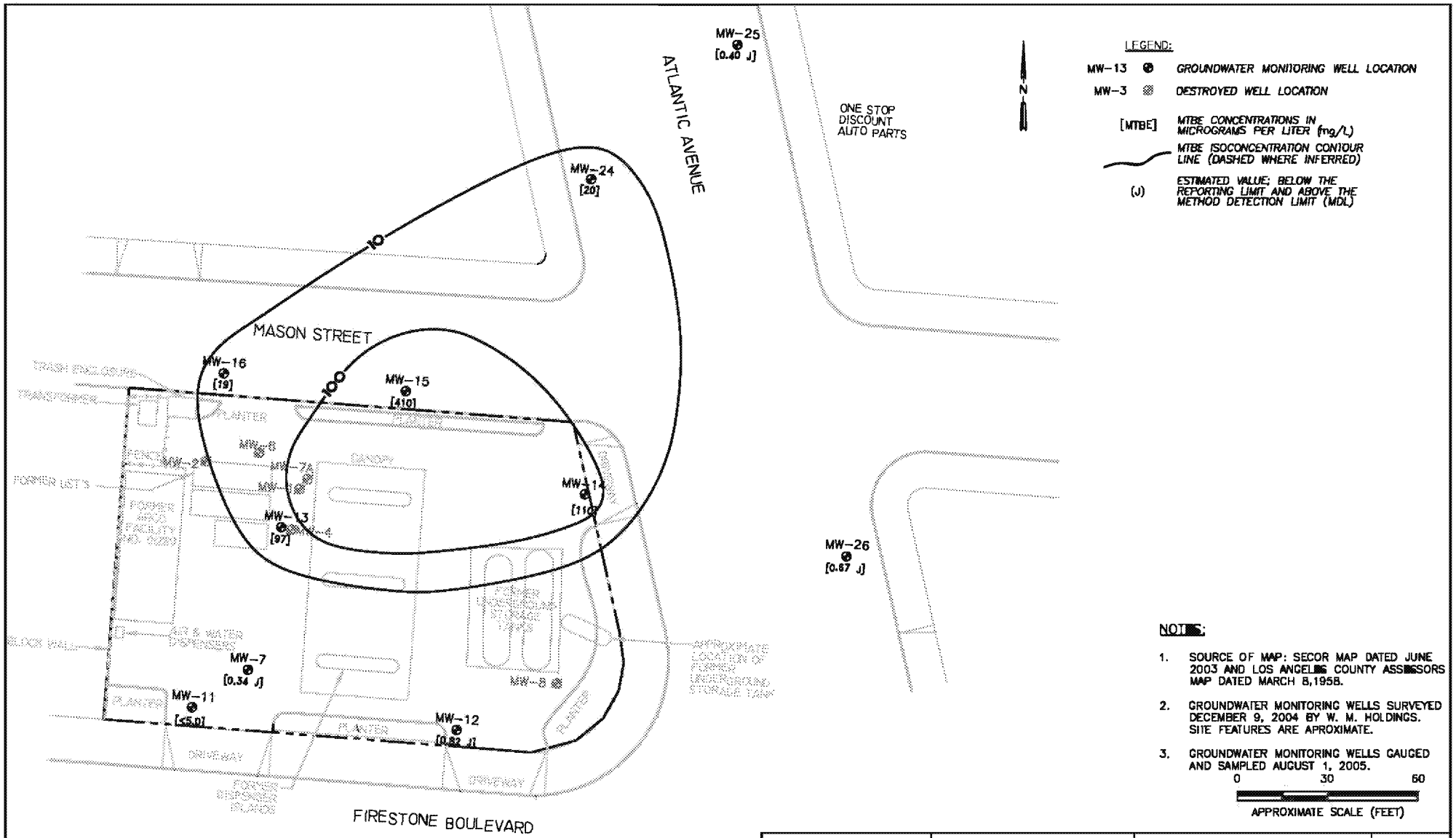

NOTES:

1. SOURCE OF MAP: SECOR MAP DATED JUNE 2003 AND LOS ANGELES COUNTY ASSESSORS MAP DATED MARCH 8,1958.
2. GROUNDWATER MONITORING WELLS SURVEYED DECEMBER 9, 2004 BY W. M. HOLDINGS. SITE FEATURES ARE APROXIMATE.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED AUGUST 1, 2005.

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APPROXIMATE SCALE (FEET)

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FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 1288
4861 EAST FIRESTONE BOULEVARD
SOUTH GATE CALIFORNIA

DISSOLVED MTBE
ISOCONCENTRATION MAP

FIGURE: 6

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
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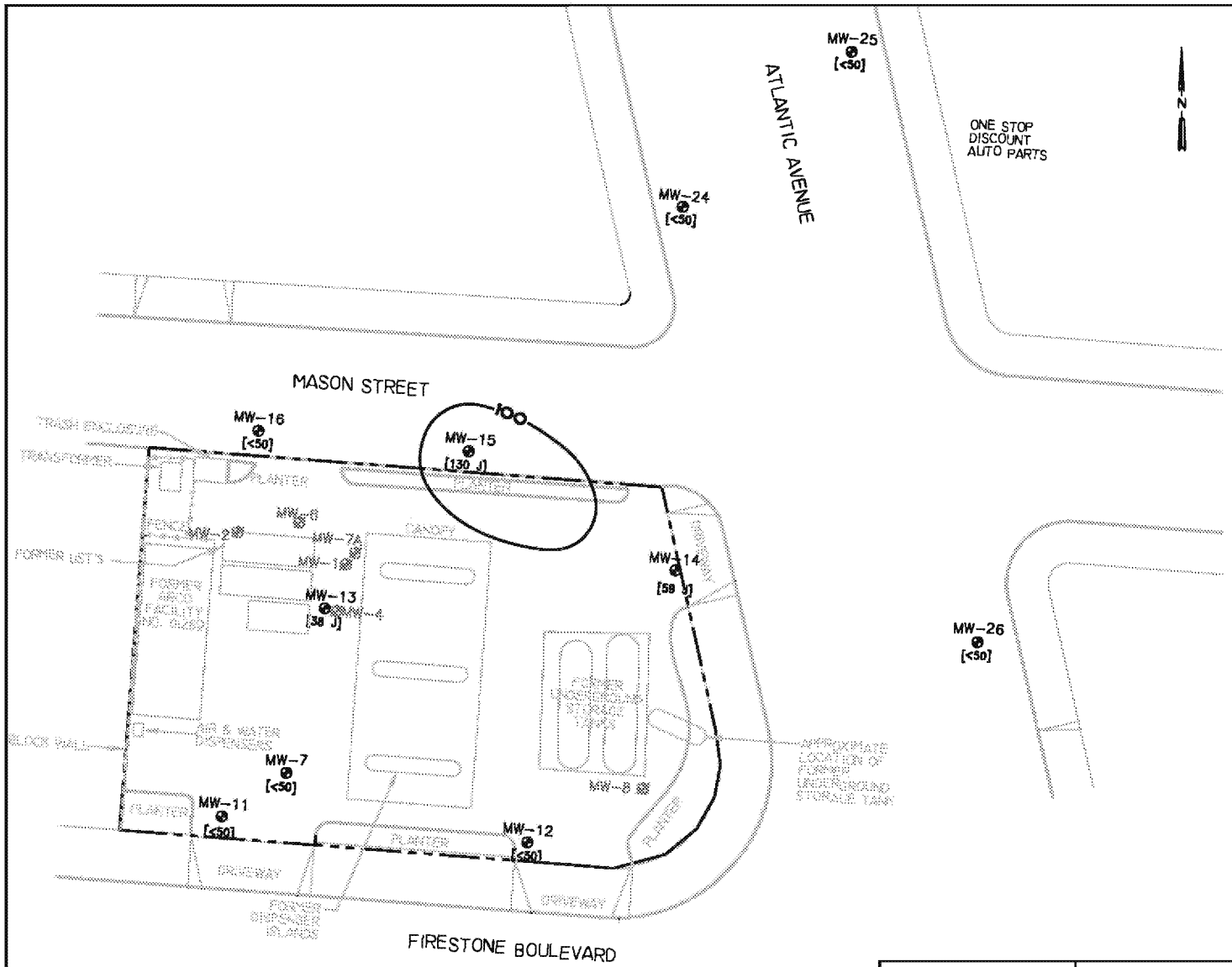

LEGEND:

MW-13	GROUNDWATER MONITORING WELL LOCATION
MW-3	DESTROYED WELL LOCATION
[TBA]	TBA CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
	TBA ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)
(J)	ESTIMATED VALUE; BELOW THE REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT (MDL)

NOTES:

1. SOURCE OF MAP: SECOR MAP DATED JUNE 2003 AND LOS ANGELES COUNTY ASSESSORS MAP DATED MARCH 8,1958.
2. GROUNDWATER MONITORING WELLS SURVEYED DECEMBER 9, 2004 BY W. M. HOLDINGS. SITE FEATURES ARE APROXIMATE.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED AUGUST 1, 2005.

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APPROXIMATE SCALE (FEET)

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FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 1288
4861 EAST FIRESTONE BOULEVARD
SOUTH GATE CALIFORNIA

DISSOLVED TBA
ISOCONCENTRATION MAP

FIGURE: 7

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
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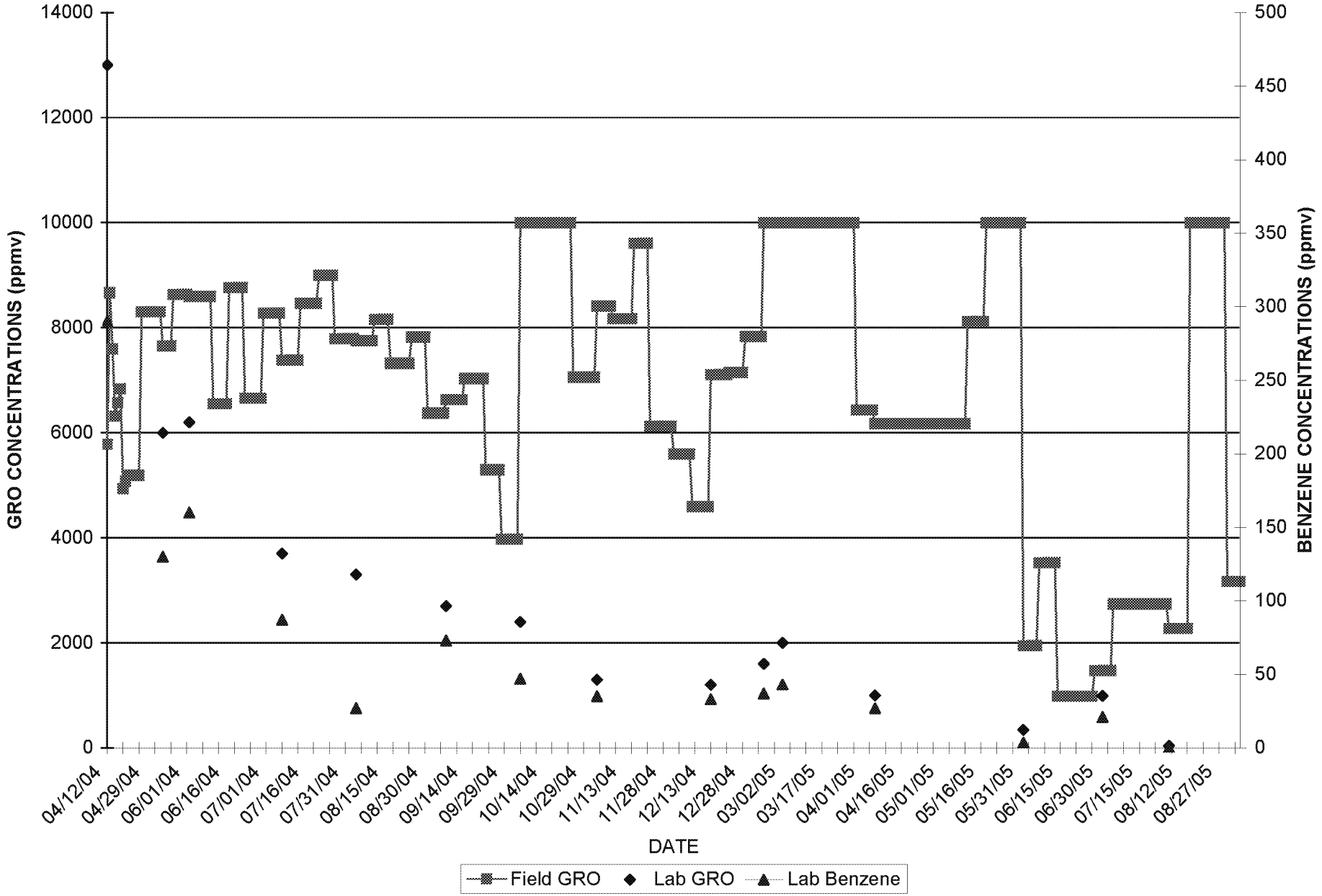
FIGURE 8
FORMER ARCO STATION NO. 1289
GRO, BENZENE VAPOR CONCENTRATIONS VS. TIME



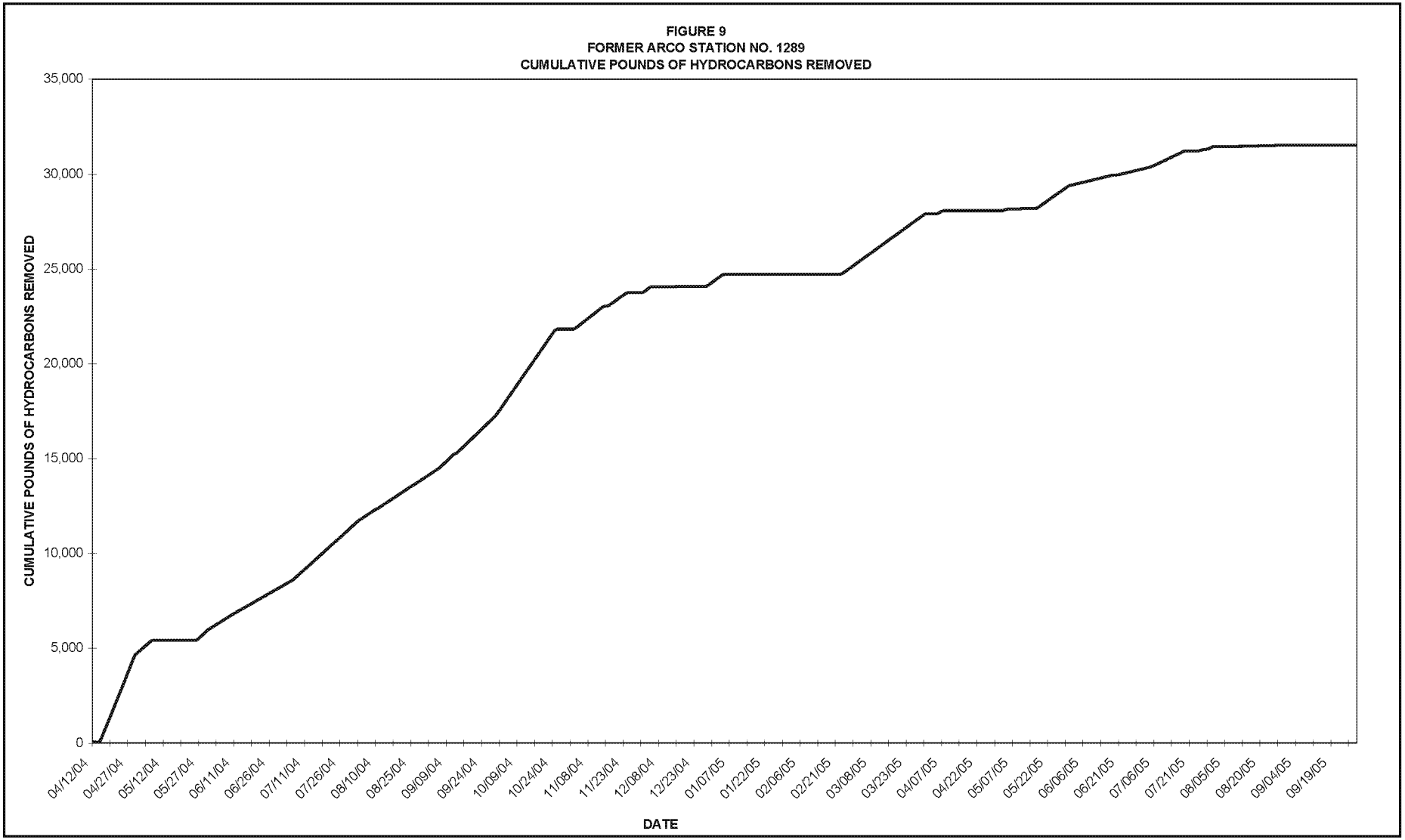


FIGURE 9
FORMER ARCO STATION NO. 1289
CUMULATIVE POUNDS OF HYDROCARBONS REMOVED
CUMULATIVE POUNDS OF HYDROCARBONS REMOVED
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
04/12/04
04/27/04
05/12/04
05/27/04
06/11/04
06/26/04
07/11/04
07/26/04
08/10/04
08/25/04
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05/22/05
06/06/05
06/21/05
07/06/05
07/21/05
08/05/05
08/20/05
09/04/05
09/19/05
DATE

Tables

TABLE 1 - VES OPERATION REPORT

FORMER ARCO STATION NO. 1289
4861 EAST FIRESTONE BOULEVARD, SOUTH GATE, CA
VES SUMMARY OF THE OPERATING PERIOD
Third Quarter, 2005

Atlantic Richfield Company Engineer:	Ray Vose
Consultant:	SECOR International Incorporated
Lead Agency:	RWQCB
Reporting Period:	July 1, 2005 through September 30, 2005
Equipment Inventory:	ThermTech VAC-25 (Serial No. 7631294CA) Skid Mount Sound Package (1) 10 hp Sutorbilt 1 phase blower 7 Point Air Sparge Panel 1 -7.5 hp Air Compressor
Operating Mode:	Thermal Oxidation
SCAQMD Permit #:	SCAQMD Permit-to-Operate No. F64766
GRO Concentration at system start up: Field observed concentration: Laboratory reported concentration: Benzene Concentration at system start up: Field observed concentration: Laboratory reported concentration:	System startup 04/12/04. 5,780 ppmv 13,000 ppmv System startup 04/12/04. not measured 290 ppmv
GRO Concentration at end of period: Field observed concentration: Laboratory reported concentration: Benzene Concentration at end of period: Field observed concentration: Laboratory reported concentration:	 3,164 ppmv (08/30/05) 41 ppmv (08/02/05) not measured <1.2 ppmv (08/02/05)
Flow Rate at end of period:	232 scfm (08/30/05)
HC destroyed this period:	1,290 lb*
Utility usage: Electricity: Natural Gas:	 6,927 kWh 2,954 Therms
Pounds (LB) of HC destroyed per dollar of Utilities:	0.51 *
Percent up time during this period:	49% (Vapor Extraction)
Number of auto shut downs during this period:	1 (Vapor Extraction)

Notes:
* - Hydrocarbon destruction by groundwater vacuum extraction and bioremediation not estimated.
GRO - Gasoline Range Organics (C_4 - C_{12})

TABLE 2 - SUMMARY OF VES OPERATION DATA

FORMER ARCO STATION NO. 1289
4861 EAST FIRESTONE BOULEVARD, SOUTH GATE, CA
VES OPERATING REPORT
Third Quarter, 2005

CURRENT SOURCE			
Current Well Source:	SVE-1, SVE-2, SVE-10 through SVE-15		
GRO Concentration at end of period:	41	ppmv	(08/02/05)
GRO Concentration at end of last period:	340	ppmv	(06/01/05)
Initial GRO Concentration:	13,000	ppmv	(initial startup 04/12/04)
Benzene Concentration at end of period:	<1.2	ppmv	(08/02/05)
Benzene Concentration at end of last period:	43	ppmv	(06/01/05)
Initial Benzene Concentration:	290	ppmv	(initial startup 04/12/04)
CURRENT PROCESS - INFLUENT SUMMARY			
GRO Concentration at end of period:	NA		
GRO Concentration at end of last period:	340	ppmv	(06/01/05)
Benzene Concentration at end of period:	NA		
Benzene Concentration at end of last period:	3.6	ppmv	(06/01/05)
Initial Benzene Concentration:	68	ppmv	(initial startup 04/12/04)
CURRENT PROCESS - EFFLUENT SUMMARY			
GRO Concentration at end of period:	2.7	ppmv	(08/02/05)
GRO Permit Requirement Concentration:	50	ppmv	(as Hexane)
Percent (%) TPH Conversion:	93.4	%	
Benzene Concentration at end of period:	<1.2	ppmv	(08/02/05)
Benzene Permit Requirement Concentration:	1.5	ppmv	
Percent Benzene Conversion:	NA	%	
Cumulative HC Removed:	31,525	lb	
Avg. Stack Temperature (Combusion):*	1666	deg. F	
(Effluent):*	1539	deg. F	
Avg. Source Flow:*	NA	scfm	
Avg. Process Flow:*	233	scfm	
Avg. Source Vacuum:*	38	in. H_2O	

Notes: Average values do not include down time.
* - Denotes averages during run time only.
NA - Not Applicable
GRO - Gasoline Range Organics (C_4 - C_{12})

TABLE 3

SVE System Operational Summary
Former ARCO Station No. 1289
4861 East Firestone Boulevard
South Gate, California
SCAQMD Permit-to-Operate No. F64766

Date	Field Influent Concentration Source (PPMV)	Field Influent Concentration Process (PPMV)	Field Effluent Concentration (PPMV)	GRO Destruction Efficiency (%)	Source Flow (SCFM)	Process Flow (SCFM)	Manifold Vacuum (Inches H20)	Combustion Temperature (Degrees F)	Effluent Temperature (Degrees F)	Cumulative Hydrocarbons Removed * (LB)	Daily Hours On-Line	Cumulative Operating Hours
SVE system started under Site-Specific South Coast AQMD Permit-to-Operate No. F64766												
04/12/04	**5,780**	**5,706**	**16**	**99.7**	**NM**	**244**	**9**	**1,662**	**1,538**	**48**	**3**	**3**
04/13/04	**8,664**	**7,831**	**37**	**99.5**	**NM**	**224**	**9**	**1,684**	**1,571**	**62**	**1**	**4**
04/14/04	System Off-line pending installation of new pitot tube									62	0	4
04/15/04										62	0	4
04/16/04	**7,592**	**5,258**	**5**	**99.9**	**NM**	**217**	**7**	**1,685**	**1,568**	**316**	**18**	**22**
04/17/04	**6,316**	**3,809**	**11**	**99.7**	**NM**	**197**	**16**	**1,667**	**1,548**	**622**	**24**	**46**
04/18/04	**6,571**	**3,716**	**9**	**99.7**	**NM**	**197**	**16**	**1,676**	**1,558**	**929**	**24**	**70**
04/19/04	**6,834**	**4,167**	**10**	**99.8**	**NM**	**197**	**16**	**1,686**	**1,549**	**1,236**	**24**	**94**
04/20/04	**4,932**	**3,240**	**22**	**99.3**	**NM**	**197**	**16**	**1,667**	**1,550**	**1,543**	**24**	**118**
04/21/04	**5,075**	**3,276**	**26**	**99.2**	**NM**	**197**	**16**	**1,662**	**1,546**	**1,850**	**24**	**142**
04/22/04	**5,189**	**3,045**	**20**	**99.3**	**NM**	**197**	**16**	**1,680**	**1,570**	**2,157**	**24**	**166**
04/23/04	5,189	3,045	20	99.3	NM	197	16	1,680	1,570	2,464	24	190
04/24/04	5,189	3,045	20	99.3	NM	197	16	1,680	1,570	2,771	24	214
04/25/04	5,189	3,045	20	99.3	NM	197	16	1,680	1,570	3,078	24	238
04/26/04	5,189	3,045	20	99.3	NM	197	16	1,680	1,570	3,384	24	262
04/27/04	**8,302**	**4,076**	**2**	**100.0**	**NM**	**203**	**14**	**1,632**	**1,519**	**3,701**	**24**	**286**
04/28/04	8,302	4,076	2	100.0	NM	203	14	1,632	1,519	4,017	24	310
04/29/04	8,302	4,076	2	100.0	NM	203	14	1,632	1,519	4,333	24	334
04/30/04	8,302	4,076	2	100.0	NM	203	14	1,632	1,519	4,649	24	358
05/01/04	8,302	4,076	2	100.0	NM	203	14	1,632	1,519	4,757	24	382
05/02/04	8,302	4,076	2	100.0	NM	203	14	1,632	1,519	4,865	24	406
05/03/04	8,302	4,076	2	100.0	NM	203	14	1,632	1,519	4,973	24	430
05/04/04	8,302	4,076	2	100.0	NM	203	14	1,632	1,519	5,081	24	454
05/05/04	**7,652**	**4,158**	**5**	**99.9**	**NM**	**197**	**18**	**1,650**	**1,535**	**5,186**	**24**	**478**
05/06/04	7,652	4,158	5	99.9	NM	197	18	1,650	1,535	5,291	24	502
05/07/04	7,652	4,158	5	99.9	NM	197	18	1,650	1,535	5,396	24	526
05/08/04	7,652	4,158	5	99.9	NM	197	18	1,650	1,535	5,426	7	533
05/09/04	System automatic shutdown due to blower motor failure									5,426	0	533
05/10/04										5,426	0	533
05/11/04										5,426	0	533
05/12/04										5,426	0	533
05/13/04										5,426	0	533
05/14/04										5,426	0	533
05/15/04										5,426	0	533
05/16/04										5,426	0	533
05/17/04										5,426	0	533
05/18/04										5,426	0	533
05/19/04										5,426	0	533
05/20/04										5,426	0	533
05/21/04										5,426	0	533
05/22/04										5,426	0	533
05/23/04										5,426	0	533
05/24/04										5,426	0	533
05/25/04										5,426	0	533
05/26/04	Replace blower motor. Restarted system.									5,426	0	533
05/27/04	**8,632**	**5,093**	**15**	**99.7**	**NM**	**216**	**20**	**1,638**	**1,514**	**5,512**	**18**	**551**
05/28/04	8,632	5,093	15	99.7	NM	216	20	1,638	1,514	5,627	24	575
05/29/04	8,632	5,093	15	99.7	NM	216	20	1,638	1,514	5,742	24	599
05/30/04	8,632	5,093	15	99.7	NM	216	20	1,638	1,514	5,857	24	623
05/31/04	8,632	5,093	15	99.7	NM	216	20	1,638	1,514	5,972	24	647

TABLE 3

SVE System Operational Summary
Former ARCO Station No. 1289
4861 East Firestone Boulevard
South Gate, California
SCAQMD Permit-to-Operate No. F64766

Date	Field Influent Concentration Source (PPMV)	Field Influent Concentration Process (PPMV)	Field Effluent Concentration (PPMV)	GRO Destruction Efficiency (%)	Source Flow (SCFM)	Process Flow (SCFM)	Manifold Vacuum (Inches H20)	Combustion Temperature (Degrees F)	Effluent Temperature (Degrees F)	Cumulative Hydrocarbons Removed * (LB)	Daily Hours On-Line	Cumulative Operating Hours
06/01/04	8,632	5,093	15	99.7	NM	216	20	1,638	1,514	6,050	24	671
06/02/04	**8,594**	**3,187**	**13**	**99.6**	**NM**	**217**	**22**	**1,634**	**1,515**	**6,128**	**24**	**695**
06/03/04	8,594	3,187	13	99.6	NM	217	22	1,634	1,515	6,207	24	719
06/04/04	8,594	3,187	13	99.6	NM	217	22	1,634	1,515	6,285	24	743
06/05/04	8,594	3,187	13	99.6	NM	217	22	1,634	1,515	6,363	24	767
06/06/04	8,594	3,187	13	99.6	NM	217	22	1,634	1,515	6,442	24	791
06/07/04	8,594	3,187	13	99.6	NM	217	22	1,634	1,515	6,520	24	815
06/08/04	8,594	3,187	13	99.6	NM	217	22	1,634	1,515	6,598	24	839
06/09/04	8,594	3,187	13	99.6	NM	217	22	1,634	1,515	6,677	24	863
06/10/04	8,594	3,187	13	99.6	NM	217	22	1,634	1,515	6,755	24	887
06/11/04	**6,550**	**4,535**	**8**	**99.8**	**NM**	**197**	**32**	**1,654**	**1,532**	**6,826**	**24**	**911**
06/12/04	6,550	4,535	8	99.8	NM	197	32	1,654	1,532	6,897	24	935
06/13/04	6,550	4,535	8	99.8	NM	197	32	1,654	1,532	6,968	24	959
06/14/04	6,550	4,535	8	99.8	NM	197	32	1,654	1,532	7,039	24	983
06/15/04	6,550	4,535	8	99.8	NM	197	32	1,654	1,532	7,110	24	1,007
06/16/04	6,550	4,535	8	99.8	NM	197	32	1,654	1,532	7,181	24	1,031
06/17/04	**8,763**	**5,348**	**11**	**99.8**	**NM**	**197**	**33**	**1,708**	**1,582**	**7,253**	**24**	**1,055**
06/18/04	8,763	5,348	11	99.8	NM	197	33	1,708	1,582	7,324	24	1,079
06/19/04	8,763	5,348	11	99.8	NM	197	33	1,708	1,582	7,395	24	1,103
06/20/04	8,763	5,348	11	99.8	NM	197	33	1,708	1,582	7,466	24	1,127
06/21/04	8,763	5,348	11	99.8	NM	197	33	1,708	1,582	7,537	24	1,151
06/22/04	8,763	5,348	11	99.8	NM	197	33	1,708	1,582	7,608	24	1,175
06/23/04	**6,655**	**3,870**	**8**	**99.8**	**NM**	**197**	**33**	**1,691**	**1,566**	**7,679**	**24**	**1,199**
06/24/04	6,655	3,870	8	99.8	NM	197	33	1,691	1,566	7,750	24	1,223
06/25/04	6,655	3,870	8	99.8	NM	197	33	1,691	1,566	7,821	24	1,247
06/26/04	6,655	3,870	8	99.8	NM	197	33	1,691	1,566	7,893	24	1,271
06/27/04	6,655	3,870	8	99.8	NM	197	33	1,691	1,566	7,964	24	1,295
06/28/04	6,655	3,870	8	99.8	NM	197	33	1,691	1,566	8,035	24	1,319
06/29/04	6,655	3,870	8	99.8	NM	197	33	1,691	1,566	8,106	24	1,343
06/30/04	**8,274**	**4,441**	**1**	**100.0**	**NM**	**197**	**33**	**1,695**	**1,571**	**8,177**	**24**	**1,367**
07/01/04	8,274	4,441	1	100.0	NM	197	33	1,695	1,571	8,248	24	1,391
07/02/04	8,274	4,441	1	100.0	NM	197	33	1,695	1,571	8,319	24	1,415
07/03/04	8,274	4,441	1	100.0	NM	197	33	1,695	1,571	8,390	24	1,439
07/04/04	8,274	4,441	1	100.0	NM	197	33	1,695	1,571	8,461	24	1,463
07/05/04	8,274	4,441	1	100.0	NM	197	33	1,695	1,571	8,533	24	1,487
07/06/04	8,274	4,441	1	100.0	NM	197	33	1,695	1,571	8,604	24	1,511
07/07/04	**7,381**	**3,708**	**10**	**99.7**	**NM**	**197**	**32**	**1,642**	**1,522**	**8,716**	**24**	**1,535**
07/08/04	7,381	3,708	10	99.7	NM	197	32	1,642	1,522	8,828	24	1,559
07/09/04	7,381	3,708	10	99.7	NM	197	32	1,642	1,522	8,940	24	1,583
07/10/04	7,381	3,708	10	99.7	NM	197	32	1,642	1,522	9,053	24	1,607
07/11/04	7,381	3,708	10	99.7	NM	197	32	1,642	1,522	9,165	24	1,631
07/12/04	7,381	3,708	10	99.7	NM	197	32	1,642	1,522	9,277	24	1,655
07/13/04	7,381	3,708	10	99.7	NM	197	32	1,642	1,522	9,390	24	1,679
07/14/04	**8,463**	**3,189**	**12**	**99.6**	**NM**	**197**	**33**	**1,680**	**1,531**	**9,502**	**24**	**1,703**
07/15/04	8,463	3,189	12	99.6	NM	197	33	1,680	1,531	9,614	24	1,727
07/16/04	8,463	3,189	12	99.6	NM	197	33	1,680	1,531	9,726	24	1,751
07/17/04	8,463	3,189	12	99.6	NM	197	33	1,680	1,531	9,839	24	1,775
07/18/04	8,463	3,189	12	99.6	NM	197	33	1,680	1,531	9,951	24	1,799
07/19/04	8,463	3,189	12	99.6	NM	197	33	1,680	1,531	10,063	24	1,823
07/20/04	8,463	3,189	12	99.6	NM	197	33	1,680	1,531	10,175	24	1,847
07/21/04	**8,997**	**3,379**	**14**	**99.6**	**NM**	**197**	**33**	**1,663**	**1,540**	**10,288**	**24**	**1,871**
07/22/04	8,997	3,379	14	99.6	NM	197	33	1,663	1,540	10,400	24	1,895
07/23/04	8,997	3,379	14	99.6	NM	197	33	1,663	1,540	10,512	24	1,919
07/24/04	8,997	3,379	14	99.6	NM	197	33	1,663	1,540	10,625	24	1,943
07/25/04	8,997	3,379	14	99.6	NM	197	33	1,663	1,540	10,737	24	1,967
07/26/04	8,997	3,379	14	99.6	NM	197	33	1,663	1,540	10,849	24	1,991
07/27/04	**7,793**	**2,986**	**10**	**99.7**	**NM**	**197**	**32**	**1,661**	**1,538**	**10,961**	**24**	**2,015**
07/28/04	7,793	2,986	10	99.7	NM	197	32	1,661	1,538	11,074	24	2,039
07/29/04	7,793	2,986	10	99.7	NM	197	32	1,661	1,538	11,186	24	2,063
07/30/04	7,793	2,986	10	99.7	NM	197	32	1,661	1,538	11,298	24	2,087
07/31/04	7,793	2,986	10	99.7	NM	197	32	1,661	1,538	11,410	24	2,111

TABLE 3

SVE System Operational Summary
Former ARCO Station No. 1289
4861 East Firestone Boulevard
South Gate, California
SCAQMD Permit-to-Operate No. F64766

Date	Field Influent Concentration Source (PPMV)	Field Influent Concentration Process (PPMV)	Field Effluent Concentration (PPMV)	GRO Destruction Efficiency (%)	Source Flow (SCFM)	Process Flow (SCFM)	Manifold Vacuum (Inches H20)	Combustion Temperature (Degrees F)	Effluent Temperature (Degrees F)	Cumulative Hydrocarbons Removed * (LB)	Daily Hours On-Line	Cumulative Operating Hours
08/01/04	7,793	2,986	10	99.7	NM	197	32	1,661	1,538	11,523	24	2,135
08/02/04	7,793	2,986	10	99.7	NM	197	32	1,661	1,538	11,635	24	2,159
08/03/04	7,793	2,986	10	99.7	NM	197	32	1,661	1,538	11,747	24	2,183
08/04/04	**7,751**	**2,814**	**12**	**99.6**	**NM**	**197**	**33**	**1,639**	**1,517**	**11,830**	**24**	**2,207**
08/05/04	7,751	2,814	12	99.6	NM	197	33	1,639	1,517	11,912	24	2,231
08/06/04	7,751	2,814	12	99.6	NM	197	33	1,639	1,517	11,994	24	2,255
08/07/04	7,751	2,814	12	99.6	NM	197	33	1,639	1,517	12,077	24	2,279
08/08/04	7,751	2,814	12	99.6	NM	197	33	1,639	1,517	12,159	24	2,303
08/09/04	7,751	2,814	12	99.6	NM	197	33	1,639	1,517	12,241	24	2,327
08/10/04	7,751	2,814	12	99.6	NM	197	33	1,639	1,517	12,314	21	2,348
08/11/04	**8,159**	**3,007**	**11**	**99.6**	**NM**	**197**	**33**	**1,631**	**1,515**	**12,372**	**17**	**2,365**
08/12/04	8,159	3,007	11	99.6	NM	197	33	1,631	1,515	12,455	24	2,389
08/13/04	8,159	3,007	11	99.6	NM	197	33	1,631	1,515	12,537	24	2,413
08/14/04	8,159	3,007	11	99.6	NM	197	33	1,631	1,515	12,619	24	2,437
08/15/04	8,159	3,007	11	99.6	NM	197	33	1,631	1,515	12,702	24	2,461
08/16/04	8,159	3,007	11	99.6	NM	197	33	1,631	1,515	12,784	24	2,485
08/17/04	**7,324**	**3,858**	**6**	**99.8**	**NM**	**197**	**32**	**1,697**	**1,571**	**12,866**	**24**	**2,509**
08/18/04	7,324	3,858	6	99.8	NM	197	32	1,697	1,571	12,949	24	2,533
08/19/04	7,324	3,858	6	99.8	NM	197	32	1,697	1,571	13,031	24	2,557
08/20/04	7,324	3,858	6	99.8	NM	197	32	1,697	1,571	13,113	24	2,581
08/21/04	7,324	3,858	6	99.8	NM	197	32	1,697	1,571	13,196	24	2,605
08/22/04	7,324	3,858	6	99.8	NM	197	32	1,697	1,571	13,278	24	2,629
08/23/04	7,324	3,858	6	99.8	NM	197	32	1,697	1,571	13,360	24	2,653
08/24/04	7,324	3,858	6	99.8	NM	197	32	1,697	1,571	13,443	24	2,677
08/25/04	**7,821**	**4,989**	**11**	**99.8**	**NM**	**191**	**37**	**1,723**	**1,589**	**13,522**	**24**	**2,701**
08/26/04	7,821	4,989	11	99.8	NM	191	37	1,723	1,589	13,602	24	2,725
08/27/04	7,821	4,989	11	99.8	NM	191	37	1,723	1,589	13,682	24	2,749
08/28/04	7,821	4,989	11	99.8	NM	191	37	1,723	1,589	13,761	24	2,773
08/29/04	7,821	4,989	11	99.8	NM	191	37	1,723	1,589	13,841	24	2,797
08/30/04	7,821	4,989	11	99.8	NM	191	37	1,723	1,589	13,921	24	2,821
08/31/04	**6,373**	**3,646**	**10**	**99.7**	**NM**	**197**	**33**	**1,719**	**1,591**	**14,003**	**24**	**2,845**
09/01/04	6,373	3,646	10	99.7	NM	197	33	1,719	1,591	14,086	24	2,869
09/02/04	6,373	3,646	10	99.7	NM	197	33	1,719	1,591	14,168	24	2,893
09/03/04	6,373	3,646	10	99.7	NM	197	33	1,719	1,591	14,250	24	2,917
09/04/04	6,373	3,646	10	99.7	NM	197	33	1,719	1,591	14,333	24	2,941
09/05/04	6,373	3,646	10	99.7	NM	197	33	1,719	1,591	14,415	24	2,965
09/06/04	6,373	3,646	10	99.7	NM	197	33	1,719	1,591	14,497	24	2,989
09/07/04	**6,631**	**4,923**	**14**	**99.7**	**NM**	**197**	**38**	**1,706**	**1,576**	**14,614**	**23**	**3,012**
09/08/04	6,631	4,923	14	99.7	NM	197	38	1,706	1,576	14,734	24	3,036
09/09/04	6,631	4,923	14	99.7	NM	197	38	1,706	1,576	14,854	24	3,060
09/10/04	6,631	4,923	14	99.7	NM	197	38	1,706	1,576	14,974	24	3,084
09/11/04	6,631	4,923	14	99.7	NM	197	38	1,706	1,576	15,093	24	3,108
09/12/04	6,631	4,923	14	99.7	NM	197	38	1,706	1,576	15,213	24	3,132
09/13/04	6,631	4,923	14	99.7	NM	197	38	1,706	1,576	15,265	10	3,143
09/14/04	**7,031**	**5,144**	**19**	**99.6**	**NM**	**197**	**39**	**1,647**	**1,503**	**15,355**	**18**	**3,161**
09/15/04	7,031	5,144	19	99.6	NM	197	39	1,647	1,503	15,475	24	3,185
09/16/04	7,031	5,144	19	99.6	NM	197	39	1,647	1,503	15,594	24	3,209
09/17/04	7,031	5,144	19	99.6	NM	197	39	1,647	1,503	15,714	24	3,233
09/18/04	7,031	5,144	19	99.6	NM	197	39	1,647	1,503	15,834	24	3,257
09/19/04	7,031	5,144	19	99.6	NM	197	39	1,647	1,503	15,954	24	3,281
09/20/04	7,031	5,144	19	99.6	NM	197	39	1,647	1,503	16,074	24	3,305
09/21/04	7,031	5,144	19	99.6	NM	197	39	1,647	1,503	16,193	24	3,329
09/22/04	**5,294**	**4,074**	**8**	**99.8**	**NM**	**197**	**40**	**1,728**	**1,599**	**16,311**	**24**	**3,353**
09/23/04	5,294	4,074	8	99.8	NM	197	40	1,728	1,599	16,431	24	3,377
09/24/04	5,294	4,074	8	99.8	NM	197	40	1,728	1,599	16,551	24	3,401
09/25/04	5,294	4,074	8	99.8	NM	197	40	1,728	1,599	16,671	24	3,425
09/26/04	5,294	4,074	8	99.8	NM	197	40	1,728	1,599	16,790	24	3,449
09/27/04	5,294	4,074	8	99.8	NM	197	40	1,728	1,599	16,910	24	3,473
09/28/04	**3,971**	**2,869**	**7**	**99.8**	**NM**	**197**	**38**	**1,711**	**1,580**	**17,030**	**24**	**3,497**
09/29/04	3,971	2,869	7	99.8	NM	197	38	1,711	1,580	17,150	24	3,521
09/30/04	3,971	2,869	7	99.8	NM	197	38	1,711	1,580	17,269	24	3,545

TABLE 3

SVE System Operational Summary
Former ARCO Station No. 1289
4861 East Firestone Boulevard
South Gate, California
SCAQMD Permit-to-Operate No. F64766

Date	Field Influent Concentration Source (PPMV)	Field Influent Concentration Process (PPMV)	Field Effluent Concentration (PPMV)	GRO Destruction Efficiency (%)	Source Flow (SCFM)	Process Flow (SCFM)	Manifold Vacuum (Inches H20)	Combustion Temperature (Degrees F)	Effluent Temperature (Degrees F)	Cumulative Hydrocarbons Removed * (LB)	Daily Hours On-Line	Cumulative Operating Hours
10/01/04	3,971	2,869	7	99.8	NM	197	38	1,711	1,580	17,449	24	3,569
10/02/04	3,971	2,869	7	99.8	NM	197	38	1,711	1,580	17,629	24	3,593
10/03/04	3,971	2,869	7	99.8	NM	197	38	1,711	1,580	17,808	24	3,617
10/04/04	3,971	2,869	7	99.8	NM	197	38	1,711	1,580	17,988	24	3,641
10/05/04	**>9,999**	**8,621**	**14**	**99.8**	**NM**	**197**	**36**	**1,726**	**1,594**	**18,168**	**24**	**3,665**
10/06/04	>9,999	8,621	14	99.8	NM	197	36	1,726	1,594	18,347	24	3,689
10/07/04	>9,999	8,621	14	99.8	NM	197	36	1,726	1,594	18,527	24	3,713
10/08/04	>9,999	8,621	14	99.8	NM	197	36	1,726	1,594	18,706	24	3,737
10/09/04	>9,999	8,621	14	99.8	NM	197	36	1,726	1,594	18,886	24	3,761
10/10/04	>9,999	8,621	14	99.8	NM	197	36	1,726	1,594	19,066	24	3,785
10/11/04	>9,999	8,621	14	99.8	NM	197	36	1,726	1,594	19,245	24	3,809
10/12/04	**>9,999**	**6,688**	**12**	**99.8**	**NM**	**197**	**37**	**1,707**	**1,528**	**19,425**	**24**	**3,833**
10/13/04	>9,999	6,688	12	99.8	NM	197	37	1,707	1,528	19,605	24	3,857
10/14/04	>9,999	6,688	12	99.8	NM	197	37	1,707	1,528	19,784	24	3,881
10/15/04	>9,999	6,688	12	99.8	NM	197	37	1,707	1,528	19,964	24	3,905
10/16/04	>9,999	6,688	12	99.8	NM	197	37	1,707	1,528	20,144	24	3,929
10/17/04	>9,999	6,688	12	99.8	NM	197	37	1,707	1,528	20,323	24	3,953
10/18/04	>9,999	6,688	12	99.8	NM	197	37	1,707	1,528	20,503	24	3,977
10/19/04	**>9,999**	**7,183**	**11**	**99.9**	**NM**	**197**	**38**	**1,690**	**1,562**	**20,683**	**24**	**4,001**
10/20/04	>9,999	7,183	11	99.9	NM	197	38	1,690	1,562	20,862	24	4,025
10/21/04	>9,999	7,183	11	99.9	NM	197	38	1,690	1,562	21,042	24	4,049
10/22/04	>9,999	7,183	11	99.9	NM	197	38	1,690	1,562	21,221	24	4,073
10/23/04	>9,999	7,183	11	99.9	NM	197	38	1,690	1,562	21,401	24	4,097
10/24/04	>9,999	7,183	11	99.9	NM	197	38	1,690	1,562	21,581	24	4,121
10/25/04	**7,057**	**4,262**	**20**	**99.5**	**NM**	**197**	**38**	**1,714**	**1,584**	**21,760**	**24**	**4,144**
10/26/04	7,057	4,262	20	99.5	NM	197	38	1,714	1,584	21,821	8	4,153
10/27/04	7,057	4,262	20	99.5	NM	197	38	1,714	1,584	21,821	0	4,153
10/28/04	7,057	4,262	20	99.5	NM	197	38	1,714	1,584	21,821	0	4,153
10/29/04	7,057	4,262	20	99.5	NM	197	38	1,714	1,584	21,821	0	4,153
10/30/04	7,057	4,262	20	99.5	NM	197	38	1,714	1,584	21,821	0	4,153
10/31/04	7,057	4,262	20	99.5	NM	197	38	1,714	1,584	21,821	0	4,153
11/01/04	7,057	4,262	20	99.5	NM	197	38	1,714	1,584	21,821	0	4,153
11/02/04	7,057	4,262	20	99.5	NM	197	38	1,714	1,584	21,821	0	4,153
11/03/04	**8,411**	**4,627**	**23**	**99.5**	**NM**	**197**	**40**	**1,688**	**1,514**	**21,894**	**18**	**4,171**
11/04/04	8,411	4,627	23	99.5	NM	197	40	1,688	1,514	21,991	24	4,195
11/05/04	8,411	4,627	23	99.5	NM	197	40	1,688	1,514	22,089	24	4,219
11/06/04	8,411	4,627	23	99.5	NM	197	40	1,688	1,514	22,186	24	4,243
11/07/04	8,411	4,627	23	99.5	NM	197	40	1,688	1,514	22,283	24	4,267
11/08/04	8,411	4,627	23	99.5	NM	197	40	1,688	1,514	22,381	24	4,291
11/09/04	**8,169**	**4,387**	**13**	**99.7**	**NM**	**197**	**40**	**1,719**	**1,588**	**22,478**	**24**	**4,315**
11/10/04	8,169	4,387	13	99.7	NM	197	40	1,719	1,588	22,575	24	4,339
11/11/04	8,169	4,387	13	99.7	NM	197	40	1,719	1,588	22,673	24	4,363
11/12/04	8,169	4,387	13	99.7	NM	197	40	1,719	1,588	22,770	24	4,387
11/13/04	8,169	4,387	13	99.7	NM	197	40	1,719	1,588	22,867	24	4,411
11/14/04	8,169	4,387	13	99.7	NM	197	40	1,719	1,588	22,964	24	4,435
11/15/04	8,169	4,387	13	99.7	NM	197	40	1,719	1,588	23,022	14	4,449
11/16/04	8,169	4,387	13	99.7	NM	197	40	1,719	1,588	23,022	0	4,449
11/17/04	**9,605**	**4,178**	**16**	**99.6**	**NM**	**185**	**40**	**1,705**	**1,561**	**23,076**	**14**	**4,463**
11/18/04	9,605	4,178	16	99.6	NM	185	40	1,705	1,561	23,167	24	4,487
11/19/04	9,605	4,178	16	99.6	NM	185	40	1,705	1,561	23,258	24	4,511
11/20/04	9,605	4,178	16	99.6	NM	185	40	1,705	1,561	23,350	24	4,535
11/21/04	9,605	4,178	16	99.6	NM	185	40	1,705	1,561	23,441	24	4,559
11/22/04	9,605	4,178	16	99.6	NM	185	40	1,705	1,561	23,533	24	4,583
11/23/04	**6,121**	**4,781**	**4**	**99.9**	**NM**	**197**	**40**	**1,707**	**1,574**	**23,604**	**18**	**4,601**
11/24/04	6,121	4,781	4	99.9	NM	197	40	1,707	1,574	23,702	24	4,625
11/25/04	6,121	4,781	4	99.9	NM	197	40	1,707	1,574	23,746	11	4,636
11/26/04	6,121	4,781	4	99.9	NM	197	40	1,707	1,574	23,746	0	4,636
11/27/04	6,121	4,781	4	99.9	NM	197	40	1,707	1,574	23,746	0	4,636
11/28/04	6,121	4,781	4	99.9	NM	197	40	1,707	1,574	23,746	0	4,636
11/29/04	6,121	4,781	4	99.9	NM	197	40	1,707	1,574	23,746	0	4,636
11/30/04	6,121	4,781	4	99.9	NM	197	40	1,707	1,574	23,746	0	4,636

TABLE 3

SVE System Operational Summary
Former ARCO Station No. 1289
4861 East Firestone Boulevard
South Gate, California
SCAQMD Permit-to-Operate No. F64766

Date	Field Influent Concentration Source (PPMV)	Field Influent Concentration Process (PPMV)	Field Effluent Concentration (PPMV)	GRO Destruction Efficiency (%)	Source Flow (SCFM)	Process Flow (SCFM)	Manifold Vacuum (Inches H20)	Combustion Temperature (Degrees F)	Effluent Temperature (Degrees F)	Cumulative Hydrocarbons Removed * (LB)	Daily Hours On-Line	Cumulative Operating Hours
12/01/04	6,121	4,781	4	99.9	NM	197	40	1,707	1,574	23,746	0	4,636
12/02/04	**5,592**	**3,802**	**19**	**99.5**	**NM**	**197**	**42**	**1,638**	**1,505**	**23,811**	**16**	**4,652**
12/03/04	5,592	3,802	19	99.5	NM	197	42	1,638	1,505	23,908	24	4,676
12/04/04	5,592	3,802	19	99.5	NM	197	42	1,638	1,505	24,006	24	4,700
12/05/04	5,592	3,802	19	99.5	NM	197	42	1,638	1,505	24,061	14	4,713
12/06/04	5,592	3,802	19	99.5	NM	197	42	1,638	1,505	24,061	0	4,713
12/07/04	5,592	3,802	19	99.5	NM	197	42	1,638	1,505	24,061	0	4,713
12/08/04	5,592	3,802	19	99.5	NM	197	42	1,638	1,505	24,061	0	4,713
12/09/04	**4,589**	**3,033**	**16**	**99.5**	**NM**	**197**	**39**	**1,652**	**1,514**	**24,064**	**1**	**4,714**
12/10/04	4,589	3,033	16	99.5	NM	197	39	1,652	1,514	24,064	0	4,714
12/11/04	4,589	3,033	16	99.5	NM	197	39	1,652	1,514	24,064	0	4,714
12/12/04	4,589	3,033	16	99.5	NM	197	39	1,652	1,514	24,064	0	4,714
12/13/04	4,589	3,033	16	99.5	NM	197	39	1,652	1,514	24,064	0	4,714
12/14/04	4,589	3,033	16	99.5	NM	197	39	1,652	1,514	24,064	0	4,714
12/15/04	4,589	3,033	16	99.5	NM	197	39	1,652	1,514	24,064	0	4,714
12/16/04	**7,109**	**3,709**	**16**	**99.6**	**NM**	**197**	**41**	**1,638**	**1,506**	**24,073**	**3**	**4,717**
12/17/04	7,109	3,709	16	99.6	NM	197	41	1,638	1,506	24,073	0	4,717
12/18/04	7,109	3,709	16	99.6	NM	197	41	1,638	1,506	24,073	0	4,717
12/19/04	7,109	3,709	16	99.6	NM	197	41	1,638	1,506	24,073	0	4,717
12/20/04	7,109	3,709	16	99.6	NM	197	41	1,638	1,506	24,073	0	4,717
12/21/04	7,109	3,709	16	99.6	NM	197	41	1,638	1,506	24,073	0	4,717
12/22/04	7,109	3,709	16	99.6	NM	197	41	1,638	1,506	24,073	0	4,717
12/23/04	**7,148**	**4,006**	**6**	**99.8**	**NM**	**197**	**40**	**1,682**	**1,548**	**24,073**	**0**	**4,717**
12/24/04	7,148	4,006	6	99.8	NM	197	40	1,682	1,548	24,073	0	4,717
12/25/04	7,148	4,006	6	99.8	NM	197	40	1,682	1,548	24,073	0	4,717
12/26/04	7,148	4,006	6	99.8	NM	197	40	1,682	1,548	24,073	0	4,717
12/27/04	7,148	4,006	6	99.8	NM	197	40	1,682	1,548	24,073	0	4,717
12/28/04	7,148	4,006	6	99.8	NM	197	40	1,682	1,548	24,073	0	4,717
12/29/04	**7,832**	**4,028**	**8**	**99.8**	**NM**	**197**	**40**	**1,648**	**1,501**	**24,141**	**18**	**4,735**
12/30/04	7,832	4,028	8	99.8	NM	197	40	1,648	1,501	24,231	24	4,759
12/31/04	7,832	4,028	8	99.8	NM	197	40	1,648	1,501	24,320	24	4,783
01/01/05	7,832	4,028	8	99.8	NM	197	40	1,648	1,501	24,410	24	4,807
01/02/05	7,832	4,028	8	99.8	NM	197	40	1,648	1,501	24,500	24	4,831
01/03/05	7,832	4,028	8	99.8	NM	197	40	1,648	1,501	24,590	24	4,855
01/04/05	7,832	4,028	8	99.8	NM	197	40	1,648	1,501	24,680	24	4,879
01/05/05	**>9,999**	**3,648**	**23**	**99.4**	**NM**	**197**	**40**	**1,639**	**1,510**	**24,713**	**9**	**4,887**
01/06/05	System automatic shutdown due to control fault and high/low gas pressure alarms.									24,713	0	4,887
01/07/05										24,713	0	4,887
01/08/05										24,713	0	4,887
01/09/05										24,713	0	4,887
01/10/05										24,713	0	4,887
01/11/05										24,713	0	4,887
01/12/05										24,713	0	4,887
01/13/05										24,713	0	4,887
01/14/05										24,713	0	4,887
01/15/05										24,713	0	4,887
01/16/05										24,713	0	4,887
01/17/05										24,713	0	4,887
01/18/05										24,713	0	4,887
01/19/05										24,713	0	4,887
01/20/05										24,713	0	4,887
01/21/05										24,713	0	4,887
01/22/05										24,713	0	4,887
01/23/05										24,713	0	4,887
01/24/05										24,713	0	4,887
01/25/05										24,713	0	4,887
01/26/05										24,713	0	4,887
01/27/05										24,713	0	4,887
01/28/05										24,713	0	4,887
01/29/05										24,713	0	4,887
01/30/05										24,713	0	4,887
01/31/05										24,713	0	4,887

TABLE 3

SVE System Operational Summary
Former ARCO Station No. 1289
4861 East Firestone Boulevard
South Gate, California
SCAQMD Permit-to-Operate No. F64766

Date	Field Influent Concentration Source (PPMV)	Field Influent Concentration Process (PPMV)	Field Effluent Concentration (PPMV)	GRO Destruction Efficiency (%)	Source Flow (SCFM)	Process Flow (SCFM)	Manifold Vacuum (Inches H20)	Combustion Temperature (Degrees F)	Effluent Temperature (Degrees F)	Cumulative Hydrocarbons Removed * (LB)	Daily Hours On-Line	Cumulative Operating Hours
02/01/05	System off-line due to control fault and high/low gas pressure alarms.									24,713	0	4,887
02/02/05										24,713	0	4,887
02/03/05										24,713	0	4,887
02/04/05										24,713	0	4,887
02/05/05										24,713	0	4,887
02/06/05										24,713	0	4,887
02/07/05										24,713	0	4,887
02/08/05										24,713	0	4,887
02/09/05										24,713	0	4,887
02/10/05										24,713	0	4,887
02/11/05										24,713	0	4,887
02/12/05										24,713	0	4,887
02/13/05										24,713	0	4,887
02/14/05										24,713	0	4,887
02/15/05										24,713	0	4,887
02/16/05										24,713	0	4,887
02/17/05										24,713	0	4,887
02/18/05										24,713	0	4,887
02/19/05										24,713	0	4,887
02/20/05										24,713	0	4,887
02/21/05										24,713	0	4,887
02/22/05										24,713	0	4,887
02/23/05	Retuned gas train. Restarted system.									24,713	0	4,887
02/24/05	**>9,999**	**3,648**	**23**	**99.4**	**NM**	**197**	**40**	**1,639**	**1,510**	**24,762**	**13**	**4,901**
02/25/05	>9,999	3,648	23	99.4	NM	197	40	1,639	1,510	24,852	24	4,925
02/26/05	>9,999	3,648	23	99.4	NM	197	40	1,639	1,510	24,942	24	4,949
02/27/05	>9,999	3,648	23	99.4	NM	197	40	1,639	1,510	25,031	24	4,973
02/28/05	>9,999	3,648	23	99.4	NM	197	40	1,639	1,510	25,121	24	4,997
03/01/05	>9,999	3,648	23	99.4	NM	197	40	1,639	1,510	25,211	24	5,021
03/02/05	**>9,999**	**>9,999**	**21**	**99.8**	**NM**	**197**	**58**	**1,537**	**1,515**	**25,301**	**24**	**5,045**
03/03/05	>9,999	>9,999	21	99.8	NM	197	58	1,537	1,515	25,391	24	5,069
03/04/05	>9,999	>9,999	21	99.8	NM	197	58	1,537	1,515	25,480	24	5,093
03/05/05	>9,999	>9,999	21	99.8	NM	197	58	1,537	1,515	25,570	24	5,117
03/06/05	>9,999	>9,999	21	99.8	NM	197	58	1,537	1,515	25,660	24	5,141
03/07/05	>9,999	>9,999	21	99.8	NM	197	58	1,537	1,515	25,750	24	5,165
03/08/05	>9,999	>9,999	21	99.8	NM	197	58	1,537	1,515	25,840	24	5,189
03/09/05	**>9,999**	**>9,999**	**20**	**99.8**	**NM**	**197**	**50**	**1,682**	**1,639**	**25,930**	**24**	**5,213**
03/10/05	>9,999	>9,999	20	99.8	NM	197	50	1,682	1,639	26,019	24	5,237
03/11/05	>9,999	>9,999	20	99.8	NM	197	50	1,682	1,639	26,109	24	5,261
03/12/05	>9,999	>9,999	20	99.8	NM	197	50	1,682	1,639	26,199	24	5,285
03/13/05	>9,999	>9,999	20	99.8	NM	197	50	1,682	1,639	26,289	24	5,309
03/14/05	>9,999	>9,999	20	99.8	NM	197	50	1,682	1,639	26,379	24	5,333
03/15/05	>9,999	>9,999	20	99.8	NM	197	50	1,682	1,639	26,468	24	5,357
03/16/05	**>9,999**	**>9,999**	**29**	**99.7**	**NM**	**197**	**48**	**1,621**	**1,615**	**26,558**	**24**	**5,380**
03/17/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	26,648	24	5,404
03/18/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	26,738	24	5,428
03/19/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	26,828	24	5,452
03/20/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	26,917	24	5,476
03/21/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	27,007	24	5,500
03/22/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	27,097	24	5,524
03/23/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	27,187	24	5,548
03/24/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	27,277	24	5,572
03/25/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	27,366	24	5,596
03/26/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	27,456	24	5,620
03/27/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	27,546	24	5,644
03/28/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	27,636	24	5,668
03/29/05	>9,999	>9,999	29	99.7	NM	197	48	1,621	1,615	27,726	24	5,692
03/30/05	**6,429**	**6,429**	**18**	99.7	**NM**	**197**	**49**	**1,622**	**1,691**	**27,816**	**24**	**5,716**
03/31/05	6,429	6,429	18	99.7	NM	197	49	1,622	1,691	27,903	23	5,740

TABLE 3

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SCAQMD Permit-to-Operate No. F64766

Date	Field Influent Concentration Source (PPMV)	Field Influent Concentration Process (PPMV)	Field Effluent Concentration (PPMV)	GRO Destruction Efficiency (%)	Source Flow (SCFM)	Process Flow (SCFM)	Manifold Vacuum (Inches H20)	Combustion Temperature (Degrees F)	Effluent Temperature (Degrees F)	Cumulative Hydrocarbons Removed * (LB)	Daily Hours On-Line	Cumulative Operating Hours
04/01/05	System off due to control fault.									27,903	0	5,740
04/02/05										27,903	0	5,740
04/03/05										27,903	0	5,740
04/04/05										27,903	0	5,740
04/05/05	Restarted system.									27,903	0	5,740
04/06/05	**6,170**	**6,170**	**18**	**99.7**	**NM**	**197**	**47**	**1,638**	**1,608**	**27,962**	**19**	**5,759**
04/07/05	6,170	6,170	18	99.7	NM	197	47	1,638	1,608	28,037	24	5,783
04/08/05	6,170	6,170	18	99.7	NM	197	47	1,638	1,608	28,065	9	5,792
04/09/05	System off due to control fault. Also need to replace blower motor and fuses.									28,065	0	5,792
04/10/05										28,065	0	5,792
04/11/05										28,065	0	5,792
04/12/05										28,065	0	5,792
04/13/05										28,065	0	5,792
04/14/05										28,065	0	5,792
04/15/05										28,065	0	5,792
04/16/05										28,065	0	5,792
04/17/05										28,065	0	5,792
04/18/05										28,065	0	5,792
04/19/05										28,065	0	5,792
04/20/05										28,065	0	5,792
04/21/05										28,065	0	5,792
04/22/05										28,065	0	5,792
04/23/05										28,065	0	5,792
04/24/05										28,065	0	5,792
04/25/05										28,065	0	5,792
04/26/05										28,065	0	5,792
04/27/05										28,065	0	5,792
04/28/05										28,065	0	5,792
04/29/05										28,065	0	5,792
04/30/05										28,065	0	5,792
05/01/05										28,065	0	5,792
05/02/05										28,065	0	5,792
05/03/05	Restarted system.									28,065	0	5,792
05/04/05	6,170	6,170	18	99.7	NM	197	47	1,638	1,608	28,124	19	5,811
05/05/05	6,170	6,170	18	99.7	NM	197	47	1,638	1,608	28,152	9	5,820
05/06/05	System off due to power interruption.									28,152	0	5,820
05/07/05										28,152	0	5,820
05/08/05										28,152	0	5,820
05/09/05										28,152	0	5,820
05/10/05	Restarted system.									28,152	0	5,820
05/11/05	**8,116**	**8,116**	**12**	**99.9**	**NM**	**197**	**45**	**1,702**	**1,574**	**28,184**	**10**	**5,830**
05/12/05	System off due to high temperature fault.									28,184	0	5,830
05/13/05										28,184	0	5,830
05/14/05										28,184	0	5,830
05/15/05										28,184	0	5,830
05/16/05										28,184	0	5,830
05/17/05	Restarted system.									28,184	0	5,830
05/18/05	**>9,999**	**>9,999**	**39**	**99.6**	**NM**	**237**	**89**	**1,649**	**1,538**	**28,248**	**17**	**5,847**
05/19/05	>9,999	>9,999	39	99.6	NM	237	89	1,649	1,538	28,338	24	5,871
05/20/05	>9,999	>9,999	39	99.6	NM	237	89	1,649	1,538	28,428	24	5,895
05/21/05	>9,999	>9,999	39	99.6	NM	237	89	1,649	1,538	28,518	24	5,919
05/22/05	>9,999	>9,999	39	99.6	NM	237	89	1,649	1,538	28,608	24	5,943
05/23/05	>9,999	>9,999	39	99.6	NM	237	89	1,649	1,538	28,698	24	5,967
05/24/05	>9,999	>9,999	39	99.6	NM	237	89	1,649	1,538	28,788	24	5,991
05/25/05	**>9,999**	**>9,999**	**11**	**99.9**	**NM**	**228**	**41**	**1,676**	**1,558**	**28,869**	**23**	**6,013**
05/26/05	>9,999	>9,999	11	99.9	NM	228	41	1,676	1,558	28,956	24	6,037
05/27/05	>9,999	>9,999	11	99.9	NM	228	41	1,676	1,558	29,043	24	6,061
05/28/05	>9,999	>9,999	11	99.9	NM	228	41	1,676	1,558	29,129	24	6,085
05/29/05	>9,999	>9,999	11	99.9	NM	228	41	1,676	1,558	29,216	24	6,109
05/30/05	>9,999	>9,999	11	99.9	NM	228	41	1,676	1,558	29,303	24	6,133
05/31/05	>9,999	>9,999	11	99.9	NM	228	41	1,676	1,558	29,389	24	6,157

TABLE 3

SVE System Operational Summary
Former ARCO Station No. 1289
4861 East Firestone Boulevard
South Gate, California
SCAQMD Permit-to-Operate No. F64766

Date	Field Influent Concentration Source (PPMV)	Field Influent Concentration Process (PPMV)	Field Effluent Concentration (PPMV)	GRO Destruction Efficiency (%)	Source Flow (SCFM)	Process Flow (SCFM)	Manifold Vacuum (Inches H20)	Combustion Temperature (Degrees F)	Effluent Temperature (Degrees F)	Cumulative Hydrocarbons Removed * (LB)	Daily Hours On-Line	Cumulative Operating Hours
06/01/05	**1,947**	**226**	**14**	**94.0**	**NM**	**223**	**41**	**1,673**	**1,554**	**29,418**	**24**	**6,181**
06/02/05	1,947	226	14	94.0	NM	223	41	1,673	1,554	29,447	24	6,205
06/03/05	1,947	226	14	94.0	NM	223	41	1,673	1,554	29,476	24	6,229
06/04/05	1,947	226	14	94.0	NM	223	41	1,673	1,554	29,504	24	6,253
06/05/05	1,947	226	14	94.0	NM	223	41	1,673	1,554	29,533	24	6,277
06/06/05	1,947	226	14	94.0	NM	223	41	1,673	1,554	29,562	24	6,301
06/07/05	**3,526**	**673**	**4**	**99.5**	**NM**	**238**	**35**	**1,673**	**1,554**	**29,593**	**24**	**6,325**
06/08/05	3,526	673	4	99.5	NM	238	35	1,673	1,554	29,624	24	6,349
06/09/05	3,526	673	4	99.5	NM	238	35	1,673	1,554	29,654	24	6,373
06/10/05	3,526	673	4	99.5	NM	238	35	1,673	1,554	29,685	24	6,397
06/11/05	3,526	673	4	99.5	NM	238	35	1,673	1,554	29,716	24	6,421
06/12/05	3,526	673	4	99.5	NM	238	35	1,673	1,554	29,746	24	6,445
06/13/05	3,526	673	4	99.5	NM	238	35	1,673	1,554	29,777	24	6,469
06/14/05	**977**	**493**	**3**	**99.5**	**NM**	**234**	**35**	**1,607**	**1,487**	**29,807**	**24**	**6,493**
06/15/05	977	493	3	99.5	NM	234	35	1,607	1,487	29,838	24	6,517
06/16/05	977	493	3	99.5	NM	234	35	1,607	1,487	29,868	24	6,541
06/17/05	977	493	3	99.5	NM	234	35	1,607	1,487	29,898	24	6,565
06/18/05	977	493	3	99.5	NM	234	35	1,607	1,487	29,928	24	6,589
06/19/05	977	493	3	99.5	NM	234	35	1,607	1,487	29,948	16	6,605
06/20/05	Reason for automatic shutdown unknown. Restarted system.									29,948	0	6,605
06/21/05	**977**	**493**	**3**	**99.5**	**NM**	**228**	**45**	**1,688**	**1,560**	**29,967**	**16**	**6,621**
06/22/05	977	493	3	99.5	NM	228	45	1,688	1,560	29,996	24	6,645
06/23/05	977	493	3	99.5	NM	228	45	1,688	1,560	30,026	24	6,669
06/24/05	977	493	3	99.5	NM	228	45	1,688	1,560	30,055	24	6,693
06/25/05	977	493	3	99.5	NM	228	45	1,688	1,560	30,085	24	6,717
06/26/05	977	493	3	99.5	NM	228	45	1,688	1,560	30,114	24	6,741
06/27/05	977	493	3	99.5	NM	228	45	1,688	1,560	30,144	24	6,765
06/28/05	**1,472**	**744**	**17**	**97.8**	**NM**	**234**	**40**	**1,704**	**1,574**	**30,174**	**24**	**6,789**
06/29/05	1,472	744	17	97.8	NM	234	40	1,704	1,574	30,204	24	6,813
06/30/05	1,472	744	17	97.8	NM	234	40	1,704	1,574	30,234	24	6,837
07/01/05	1,472	744	17	97.8	NM	234	40	1,704	1,574	30,265	24	6,861
07/02/05	1,472	744	17	97.8	NM	234	40	1,704	1,574	30,295	24	6,885
07/03/05	1,472	744	17	97.8	NM	234	40	1,704	1,574	30,325	24	6,909
07/04/05	1,472	744	17	97.8	NM	234	40	1,704	1,574	30,355	24	6,933
07/05/05	**2,742**	**1,189**	**8**	**99.3**	**NM**	**228**	**40**	**1,705**	**1,576**	**30,398**	**18**	**6,950**
07/06/05	2,742	1,189	8	99.3	NM	228	40	1,705	1,576	30,455	24	6,974
07/07/05	2,742	1,189	8	99.3	NM	228	40	1,705	1,576	30,512	24	6,998
07/08/05	2,742	1,189	8	99.3	NM	228	40	1,705	1,576	30,569	24	7,022
07/09/05	2,742	1,189	8	99.3	NM	228	40	1,705	1,576	30,626	24	7,046
07/10/05	2,742	1,189	8	99.3	NM	228	40	1,705	1,576	30,684	24	7,070
07/11/05	2,742	1,189	8	99.3	NM	228	40	1,705	1,576	30,741	24	7,094
07/12/05	**2,742**	**1,189**	**13**	**98.9**	**NM**	**242**	**45**	**1,680**	**1,555**	**30,801**	**24**	**7,118**
07/13/05	2,742	1,189	13	98.9	NM	242	45	1,680	1,555	30,862	24	7,142
07/14/05	2,742	1,189	13	98.9	NM	242	45	1,680	1,555	30,923	24	7,166
07/15/05	2,742	1,189	13	98.9	NM	242	45	1,680	1,555	30,984	24	7,190
07/16/05	2,742	1,189	13	98.9	NM	242	45	1,680	1,555	31,044	24	7,214
07/17/05	2,742	1,189	13	98.9	NM	242	45	1,680	1,555	31,105	24	7,238
07/18/05	2,742	1,189	13	98.9	NM	242	45	1,680	1,555	31,166	24	7,262
07/19/05	**2,742**	**1,189**	**19**	**98.4**	**NM**	**232**	**35**	**1,647**	**1,524**	**31,224**	**24**	**7,286**
07/20/05	2,742	1,189	19	98.4	NM	232	35	1,647	1,524	31,228	2	7,288
07/21/05	System down due to manual shutdown by unknown person.									31,228	0	7,288
07/22/05										31,228	0	7,288
07/23/05										31,228	0	7,288
07/24/05										31,228	0	7,288
07/25/05	Restarted system.									31,228	0	7,288
07/26/05	**2,742**	**1,189**	**19**	**98.4**	**NM**	**237**	**35**	**1,632**	**1,509**	**31,261**	**14**	**7,302**
07/27/05	**2,742**	**1,189**	**19**	**98.4**	**NM**	**237**	**35**	**1,632**	**1,509**	**31,301**	**16**	**7,318**
07/28/05	System down due to manual shutdown by unknown person. Restarted system.									31,301	0	7,318
07/29/05	**2,742**	**1,189**	**19**	**98.4**	**NM**	**237**	**35**	**1,632**	**1,509**	**31,326**	**10**	**7,328**
07/30/05	2,742	1,189	19	98.4	NM	237	35	1,632	1,509	31,385	24	7,352
07/31/05	2,742	1,189	19	98.4	NM	237	35	1,632	1,509	31,445	24	7,376

TABLE 3

SVE System Operational Summary
Former ARCO Station No. 1289
4861 East Firestone Boulevard
South Gate, California
SCAQMD Permit-to-Operate No. F64766

Date	Field Influent Concentration Source (PPMV)	Field Influent Concentration Process (PPMV)	Field Effluent Concentration (PPMV)	GRO Destruction Efficiency (%)	Source Flow (SCFM)	Process Flow (SCFM)	Manifold Vacuum (Inches H20)	Combustion Temperature (Degrees F)	Effluent Temperature (Degrees F)	Cumulative Hydrocarbons Removed * (LB)	Daily Hours On-Line	Cumulative Operating Hours
08/01/05	System down due to manual shutdown by unknown person. Restarted system.									31,445	0	7,376
08/02/05	**2,273**	**2,273**	**5**	**99.8**	**NM**	**221**	**35**	**1,643**	**1,526**	**31,445**	**1**	**7,376**
08/03/05	System down due to manual shutdown by unknown person.									31,445	0	7,376
08/04/05										31,445	0	7,376
08/05/05										31,445	0	7,376
08/06/05										31,445	0	7,376
08/07/05										31,445	0	7,376
08/08/05	Restarted system.									31,445	0	7,376
08/09/05	**2,273**	**2,273**	**5**	**99.8**	**NM**	**232**	**35**	**1,601**	**1,485**	**31,446**	**12**	**7,388**
08/10/05	2,273	2,273	5	99.8	NM	232	35	1,601	1,485	31,450	24	7,412
08/11/05	2,273	2,273	5	99.8	NM	232	35	1,601	1,485	31,454	24	7,436
08/12/05	2,273	2,273	5	99.8	NM	232	35	1,601	1,485	31,457	24	7,460
08/13/05	2,273	2,273	5	99.8	NM	232	35	1,601	1,485	31,461	24	7,484
08/14/05	2,273	2,273	5	99.8	NM	232	35	1,601	1,485	31,465	24	7,508
08/15/05	2,273	2,273	5	99.8	NM	232	35	1,601	1,485	31,468	24	7,532
08/16/05	**>9,999**	**7,132**	**21**	**99.7**	**NM**	**232**	**35**	**1,678**	**1,553**	**31,472**	**24**	**7,556**
08/17/05	>9,999	7,132	21	99.7	NM	232	35	1,678	1,553	31,475	24	7,580
08/18/05	>9,999	7,132	21	99.7	NM	232	35	1,678	1,553	31,479	24	7,604
08/19/05	>9,999	7,132	21	99.7	NM	232	35	1,678	1,553	31,483	24	7,628
08/20/05	>9,999	7,132	21	99.7	NM	232	35	1,678	1,553	31,486	24	7,652
08/21/05	>9,999	7,132	21	99.7	NM	232	35	1,678	1,553	31,490	24	7,676
08/22/05	>9,999	7,132	21	99.7	NM	232	35	1,678	1,553	31,493	24	7,700
08/23/05	**>9,999**	**8,224**	**19**	**99.8**	**NM**	**232**	**35**	**1,683**	**1,537**	**31,497**	**24**	**7,724**
08/24/05	>9,999	8,224	19	99.8	NM	232	35	1,683	1,537	31,501	24	7,748
08/25/05	>9,999	8,224	19	99.8	NM	232	35	1,683	1,537	31,504	24	7,772
08/26/05	>9,999	8,224	19	99.8	NM	232	35	1,683	1,537	31,508	24	7,796
08/27/05	>9,999	8,224	19	99.8	NM	232	35	1,683	1,537	31,511	24	7,820
08/28/05	>9,999	8,224	19	99.8	NM	232	35	1,683	1,537	31,515	24	7,844
08/29/05	>9,999	8,224	19	99.8	NM	232	35	1,683	1,537	31,519	24	7,868
08/30/05	**3,164**	**1,563**	**21**	**98.6**	**NM**	**232**	**35**	**1,647**	**1,525**	**31,522**	**24**	**7,892**
08/31/05	3,164	1,563	21	98.6	NM	232	35	1,647	1,525	31,525	15	7,908
09/01/05	System down due to unknown electrical problem. Panel circuit breakers tripped.									31,525	0	7,908
09/02/05										31,525	0	7,908
09/03/05										31,525	0	7,908
09/04/05										31,525	0	7,908
09/05/05										31,525	0	7,908
09/06/05										31,525	0	7,908
09/07/05										31,525	0	7,908
09/08/05										31,525	0	7,908
09/09/05										31,525	0	7,908
09/10/05										31,525	0	7,908
09/11/05										31,525	0	7,908
09/12/05										31,525	0	7,908
09/13/05										31,525	0	7,908
09/14/05										31,525	0	7,908
09/15/05										31,525	0	7,908
09/16/05										31,525	0	7,908
09/17/05										31,525	0	7,908
09/18/05										31,525	0	7,908
09/19/05										31,525	0	7,908
09/20/05										31,525	0	7,908
09/21/05										31,525	0	7,908
09/22/05										31,525	0	7,908
09/23/05										31,525	0	7,908
09/24/05										31,525	0	7,908
09/25/05										31,525	0	7,908
09/26/05										31,525	0	7,908
09/27/05										31,525	0	7,908
09/28/05										31,525	0	7,908
09/29/05										31,525	0	7,908
09/30/05	System down for repairs.									31,525	0	7,908

NOTES
* Mass removal determined using laboratory analytical data (See Table 5)
BOLD - Indicates technician-monitored event.
Current Venting Source Wells: SVE-1, SVE-2, and SVE-10 through SVE-15

TABLE 4

Individual Well Field Monitoring Data
Former ARCO Station No. 1289
4861 East Firestone Boulevard
South Gate, CA

Monitoring Date	SVE Well (ppm)											
	SVE-1S (NA)	SVE-1D (NA)	SVE-2S (NA)	SVE-2D (NA)	SVE-10 (17 TO 25)	SVE-11 (17 TO 25)	SVE-12S (10 TO 20)	SVE-12D (20 TO 30)	SVE-13S (10 TO 20)	SVE-13D (20 TO 30)	SVE-14 (10 TO 20)	SVE-15 (10 TO 20)
04/12/04*	32,000	21,000	50,000	4,100	20,000	1,100	6,500	7,400	1,200	8,300	19,000	7,700
05/05/04	8,683	--	7,851	--	8,239	430	3,350	--	1,255	--	>9,999	7,788
06/02/04	6,533	--	7,409	--	5,215	388	4,711	--	1,420	--	8,541	6,348
07/07/04	8,551	--	3,565	--	>9,999	239	3,011	--	709	--	7,650	4,105
08/04/04	>9,999	--	>9,999	--	>9,999	369	2,618	--	1,103	--	5,283	4,245
09/07/04	9,701	--	6,067	--	>9,999	328	1,922	--	663	--	6,083	2,582
10/05/04	>9,999	--	>9,999	--	>9,999	374	1,736	--	1,186	--	>9,999	2,081
11/03/04	>9,999	--	4,037	--	>9,999	116	866	--	77	--	>9,999	1,623
12/16/04	>9,999	--	5,287	--	1,303	51	823	--	168	--	>9,999	1,291
01/05/05	>9,999	--	828	--	>9,999	27	30	--	74	--	>9,999	1,743
03/02/05	>9,999	--	1,427	--	>9,999	163	184	--	255	--	>9,999	3,301
04/06/05	>9,999	--	215	--	1,921	13	9	--	34	--	5,908	104
05/11/05	>9,999	--	577	--	4,615	68	19	--	102	--	7,177	311
06/01/05	--	--	>9,999	--	--	1,567	1,614	--	341	--	>9,999	1,036
07/05/05	>9,999	>9,999	1,750	889	>9,999	52	480	961	79	1,354	3,217	370
08/02/05	>9,999	>9,999	4,126	--	>9,999	2,264	3,943	--	--	--	3,118	316

* Data from laboratory submitted samples (GRO C4-C12 - EPA Method 8015M)
-- Not measured
ppm = parts per million as measured by PID
(17 to 25) - Vapor Extraction Well Screen Interval

TABLE 5
Individual Air Sparge Well Monitoring Data*
Former ARCO Station No. 1289
4861 East Firestone Boulevard, South Gate, CA
Initial Start-Up Date 4/12/2004

Well Number	Monitoring Date (Monthly Check)	Injection Flow Rate (scfm)	Injection Pressure (psi)
AS-1	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-2	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-3	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-4	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-5	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-6	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-7	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-8	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-9	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-10	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-11	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-12	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-13	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-14	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line
AS-15	off-line	off-line	off-line
	off-line	off-line	off-line
	off-line	off-line	off-line

* - Air sparge system off-line pending reduction in SVE system influent concentrations

-- Not measured.

TABLE 6
Summary of Process Vapor Sampling Results
Former ARCO Station No. 1289
4861 East Firestone Boulevard, South Gate, CA

Sample Date	Sample ID	GRO (ppmv)		Benzene (ppmv)		Toluene (ppmv)		Ethylbenzene (ppmv)		Total Xylenes (ppmv)		MTBE (ppmv)		DIPE (ppmv)		ETBE (ppmv)		TAME (ppmv)		TBA (ppmv)		Ethanol (ppmv)		CO_2 (%)	O_2 (%)
	EPA Method	8015M	TO-3	8260B	TO-14	8260B	TO-14	8260B	TO-14	8260B	TO-14	8260B	TO-14	8260B	TO-14	8260B	TO-14	8260B	TO-14	8260B	TO-14	8260B	TO-14	ASTM D1946-90	
04/12/04	Influent Undi	13,000		290		340		42		210		46		<12		<13		<12		<160				12	7.1
	Influent Dil	4,100		68		85		14		75		12		<2.4		<2.7		<2.4		<33				3.2	18
	Effluent	<2.4		<1.2		<1.1		<0.92		<1.8		<2.8		<2.4		<2.7		<2.4		<33				5.9	15
05/05/04	Influent Undi	6,000		130		180		37		90		46		<2.4		<2.7		<2.4		<33					
	Influent Dil	1,400		33		55		8.9		40		10		<2.4		<2.7		<2.4		<33					
	Effluent	<2.4		<1.6		<1.3		<1.2		<2.4		<1.4		<1.2		<1.3		<1.2		<17					
06/02/04	Influent Undi	6,200		160		220		40		170		39		<3.0		<3.2		<3.0		<42					
	Influent Dil	950		29		43		7.7		38		7.3		<1.2		<1.3		<1.2		<17					
	Effluent	4.1		<1.6		<1.3		1.4		<2.4		<1.4		<1.2		<1.3		<1.2		<17					
07/07/04	Influent Undi	3,700		87		140		20		94		17		<3.0		<3.2		<3.0		<42					
	Influent Dil	1,500		39		68		10		53		8.8		<2.4		<2.7		<2.4		<33					
	Effluent	<2.4		<1.2		<1.1		<0.92		<1.8		<2.8		<2.4		<2.7		<2.4		<33					
08/03/04	Influent Undi	3,300		24		43		6.6		34		5.0		<1.2		<1.3		<1.2		<17				1.3	20
	Influent Dil	1,100		7.6		12		<1.2		5.7		<1.4		<1.2		<1.3		<1.2		<17					
	Effluent	<2.4		<1.6		<1.3		<1.2		<2.4		<1.4		<1.2		<1.3		<1.2		<17					
09/07/04	Influent Undi	2,700		73		140		19		120		13		<6.0		<6.6		<6.0		<82				1.4	20
	Influent Dil	1,600		40		77		12		72		6.4		<1.2		<1.3		<1.2		<17				0.83	21
	Effluent	<2.4		<1.6		<1.3		<1.2		<2.4		<1.4		<1.2		<1.3		<1.2		<17				4.6	15
10/05/04	Influent Undi	2,400		47		91		17		100		8.5		<2.4		<2.7		<2.4		<33		<160		1.2	20
	Influent Dil	1,500		30		62		11		68		4.8		<2.4		<2.7		<2.4		<33		<160		0.82	21
	Effluent	<2.4		<1.2		<1.1		<0.92		<1.8		<2.8		<2.4		<2.7		<2.4		<33		<160		4.5	15
11/03/04	Influent Undi	1,300		35		62		8.1		39		7.4		<2.4		<2.7		<2.4		<33		<160		0.44	20
	Influent Dil	950		28		52		6.8		33		7.4		<2.4		<2.7		<2.4		<33		<160		0.38	20
	Effluent	<2.4		<1.2		2.1		<0.92		<1.8		<2.8		<2.4		<2.7		<2.4		<33		<160		0.51	21
12/16/04	Influent Undi		1,200		33		57		5.4		29		5.0		<1.0		<1.0		<1.0		<5.0			0.58	20
	Influent Dil		920		23		44		5.1		30		3.9		<1.0		<1.0		<1.0		<5.0			0.44	20
	Effluent		1.9		0.010		0.014		0.012		0.10		<0.0020		<0.0020		<0.0020		<0.0020		<0.010			4.5	14
01/05/05	Influent Undi		1,600		37		75		9.8		45		7.5		<0.50		<0.50		<0.50		<2.5			0.66	21
	Effluent		1.0		0.021		0.054		0.014		0.089		<0.0020		<0.0020		<0.0020		<0.0020		0.0035[J]			3.3	16
03/02/05	Influent Undi		2,000		43		96		11		61		7.3		<0.50		<0.50		<0.50		<2.5			0.92	20
	Effluent		0.95[J]		0.040		0.025		0.006		0.044		<0.0020		<0.0020		<0.0020		<0.0020		0.0018[J]			2.0	18
04/06/05	Influent Undi		1,000		27		56		6.1		34		5.8		<0.25		<0.25		<0.25		0.22[J]			0.48	20
	Effluent		0.98[J]		0.032		0.0077		0.00085[J]		0.059		<0.0020		<0.0020		<0.0020		<0.0020		0.0032[J]			3.5	15
06/01/05	Influent Undi		340		3.6		6.9		0.75		3.5		1.2		<0.10		<0.10		<0.10		<0.50			0.38	22
	Effluent		0.54[J]		0.0013[J]		0.0032[J]		0.00063[J]		0.0038		<0.0020		<0.0020		<0.0020		<0.0020		<0.010			0.87	21
07/05/05	Influent Undi	990		21		40		5.8		33		4.1		<2.4		<2.7		<2.4		<33		<160		0.52	21
	Influent Dil	660		14		28		3.9		23		2.8		<2.4		<2.7		<2.4		<33		<160		0.34	21
	Effluent	21		<1.2		1.4		<0.92		1.9		<2.8		<2.4		<2.7		<2.4		<33		<160		3.3	16
08/02/05	Influent Undi	41		<1.2		1.7		<0.92		3.0		<2.8		<2.4		<2.7		<2.4		<33				0.40	21
	Effluent	2.7		<1.2		<1.1		<0.92		<1.8		<2.8		<2.4		<2.7		<2.4		<33				2.1	19

Notes:
GRO = Gasoline Range Organics (C_4 - C_{12})
MTBE = Methyl Tertiary Butyl Ether
DIPE = Di-Isopropyl Ether
ETBE = Ethyl-Tertiary-Butyl Ether
TAME = Tertiary-Amyl-Methyl Ether
TBA = Tertiary-Butanol
ppmv = Parts per million on a volume basis
Influent Undil = System Influent Undiluted
Influent Dil = System Influent Diluted

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 1289
4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-1	08/28/92		109.62	55.92	0.00	53.70	150	3.1	1.3	0.60	1.4	-	-	-	-	-	-	MW-1	
	12/10/92			55.60	0.00	54.02	1,500	20	10	6.4	52	-	-	-	-	-	-	MW-1	
	03/24/93			55.00	0.00	54.62	200	11	0.91	0.74	4.6	-	-	-	-	-	-	MW-1	
	06/22/93			54.45	0.00	55.17	<50	6.6	2.4	<0.30	1.2	-	-	-	-	-	-	MW-1	
	09/13/93			53.77	0.00	55.85	65	12	1.2	<0.30	<0.6	-	-	-	-	-	-	MW-1	
	12/06/93	NS		52.64	0.00	56.98	-	-	-	-	-	-	-	-	-	-	-	-	
	03/22/94			51.78	0.00	57.84	39	3.3	1.4	<0.40	0.92	-	-	-	-	-	-	MW-1	
	04/19/94			51.56	0.00	58.06	<50	11	6.6	0.40	2.4	-	-	-	-	-	-	MW-1	
	07/19/94			51.24	0.00	58.38	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-1	
	11/08/94			51.36	0.00	58.26	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-1	
	02/13/95			50.34	0.00	59.28	53	18	5.5	0.53	2.7	-	-	-	-	-	-	MW-1	
	04/17/95			50.00	0.00	59.62	<50	2.5	0.32	<0.30	<0.60	-	-	-	-	-	-	MW-1	
	07/31/95			49.46	0.00	60.16	<50	21	2.5	0.36	1.5	-	-	-	-	-	-	MW-1	
	10/30/95			49.21	0.00	60.41	<50	13	1.3	0.34	1.3	-	-	-	-	-	-	MW-1	
	01/22/96			47.78	0.00	61.84	59	36	8.8	0.88	2.6	-	-	-	-	-	-	MW-1	
	04/08/96			48.35	0.00	61.27	<50	4.4	0.56	0.54	5.2	-	-	-	-	-	-	MW-1	
	07/16/96			48.16	0.00	61.46	<50	25	4.6	0.85	2.6	<10	-	-	-	-	-	MW-1	
	10/14/96			48.30	0.00	61.32	<50	<0.30	1.8	<0.30	0.79	-	-	-	-	-	-	MW-1	
	02/28/97			43.80	0.00	65.82	160	57	24	5.2	21	13	-	-	-	-	-	MW-1	
	05/14/97	NS		43.79	0.00	65.83	-	-	-	-	-	-	-	-	-	-	-	-	
	07/10/97			44.06	0.00	65.56	170	85	14	4.3	11	29	-	-	-	-	-	MW-1	
	10/06/97	NS		42.80	0.00	66.82	-	-	-	-	-	-	-	-	-	-	-	-	
	03/11/98			44.34	0.00	65.28	380	140	52	5.2	14	66	-	-	-	-	-	MW-1	
	06/03/98			47.83	0.00	61.79	500	180	59	13	36	89	-	-	-	-	-	MW-1	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 1289
4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-7	08/28/92		109.01	55.45	0.00	53.56	290	5.0	1.0	<0.30	0.80	-	-	-	-	-	-	MW-7	
	12/10/92			55.15	0.00	53.86	1,800	85	18	2.3	15	-	-	-	-	-	-	MW-7	
	03/24/93			54.56	0.00	54.45	640	54	14	0.89	3.1	-	-	-	-	-	-	MW-7	
	06/22/93			53.99	0.00	55.02	<50	1.1	0.82	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	09/13/93			53.30	0.00	55.71	<50	14	1.2	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	12/06/93	NS		52.27	0.00	56.74	-	-	-	-	-	-	-	-	-	-	-	-	
	03/22/94			51.46	0.00	57.55	44	3.8	0.49	<0.40	0.59	-	-	-	-	-	-	MW-7	
	04/19/94			51.23	0.00	57.78	<50	2.5	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	07/19/94			50.90	0.00	58.11	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	11/08/94			50.75	0.00	58.26	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	02/13/95			49.98	0.00	59.03	<50	22	0.43	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	04/17/95			49.70	0.00	59.31	72	29	0.38	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	07/31/95			49.12	0.00	59.89	80	51	0.67	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	10/30/95			48.89	0.00	60.12	140	66	0.76	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	01/22/96			48.50	0.00	60.51	250	130	1.3	<1.2	<2.4	-	-	-	-	-	-	MW-7	
	04/08/96			48.10	0.00	60.91	220	120	0.97	0.87	<1.2	-	-	-	-	-	-	MW-7	
	07/16/96			48.06	0.00	60.95	220	120	1.4	1.1	<2.0	<10	-	-	-	-	-	MW-7	
	10/14/96			47.90	0.00	61.11	110	57	0.91	<0.30	<0.60	-	-	-	-	-	-	MW-7	
	02/28/97			46.70	0.00	62.31	410	190	2.6	<1.5	<3.0	12	-	-	-	-	-	MW-7	
	05/14/97	NS		46.65	0.00	62.36	-	-	-	-	-	-	-	-	-	-	-	-	
	07/10/97			46.93	0.00	62.08	240	150	1.1	3.4	<2.0	23	-	-	-	-	-	MW-7	
	10/06/97	NS		46.93	0.00	62.08	-	-	-	-	-	-	-	-	-	-	-	-	
	03/11/98			46.25	0.00	62.76	290	130	<1.5	8.1	<3.0	<50	-	-	-	-	-	MW-7	
	06/03/98			45.68	0.00	63.33	360	160	<1.5	12	<3.0	<50	-	-	-	-	-	MW-7	
	10/21/98			45.61	0.00	63.40	<500	270	<3.0	9.4	<6.0	<100	-	-	-	-	-	MW-7	
	12/16/98			44.50	0.00	64.51	<50	7.3	<0.30	0.36	<0.60	<10	-	-	-	-	-	MW-7	
	03/17/99			44.97	0.00	64.04	1,000	710	<6.0	45	<12	<200	-	-	-	-	-	MW-7	
	06/14/99			43.68	0.00	65.33	930	470	<4.3	32	<8.6	<140	-	-	-	-	-	MW-7	
	08/28/99			43.63	0.00	65.38	1,300	480	7.0	35	12	25	-	-	-	-	-	MW-7	
	11/22/99			44.39	0.00	64.62	370	150	<1.5	9.0	3.4	<50	-	-	-	-	-	MW-7	
	03/16/00			44.06	0.00	64.95	530	180	0.38	7.3	<1.7	11	<48	<2.0	<2.8	<3.2	-	MW-7	
	05/08/00			44.14	0.00	64.87	300	190	0.60 J	7.4	4.6 J	17	<10	<1.0	<1.1	<1.4	-	MW-7	
	08/16/00			44.02	0.00	64.99	290	130	0.22 J	4.8	<0.82	6.7	6.3 J	<0.50	<0.57	<0.68	-	MW-7	
	11/01/00		110.94	44.65	0.00	66.29	190	100	0.11 J	2.4	<0.82	5.2	10 J	<0.50	<0.57	<0.68	-	MW-7	
	02/15/01			44.11	0.00	66.83	160	84	<1.0	2.5 J	<1.0	3.8 J	<10	<2.0	<2.0	<2.0	-	MW-7	
	05/16/01		110.91	44.35	0.00	66.56	170	71	<1.0	8.9	<1.0	3.1 J	17 J	<2.0	<2.0	<2.0	-	MW-7	
	07/30/01			44.71	0.00	66.20	130	73	<1.0	3.4 J	<1.0	2.5 J	<10	<2.0	<2.0	<2.0	-	MW-7	
	10/29/01			45.23	0.00	65.68	110	83	<1.0	2.8 J	<1.0	2.3 J	<10	<2.0	<2.0	<2.0	-	MW-7	
	01/30/02			44.98	0.00	65.93	98 J	14	<1.0	3.1 J	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-7	
	04/30/02			45.20	0.00	65.71	62 J	2.4 J	<1.0	1.1 J	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-7	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 1289
4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-7	08/27/02		110.91	45.63	0.00	65.28	170	68	0.23 J	0.46 J	0.24 J	2.2 J	<50	<5.0	<5.0	<5.0	-	MW-7	
	12/26/02			46.48	0.00	64.43	140	89	<2.0	0.28 J	<4.0	3.1 J	<50	<5.0	<5.0	<5.0	-	MW-7	
	02/24/03			46.49	0.00	64.42	20 J	0.93 J	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-7	
	04/21/03			46.50	0.00	64.41	28 J	0.88 J	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-7	
	07/22/03			46.90	0.00	64.01	79	14	<2.0	<2.0	<4.0	0.45 J	<50	<5.0	<5.0	<5.0	<150	MW-7	
	10/31/03			47.16	0.00	63.75	100	68	<2.0	0.29 J	<4.0	2.2 J	<50	0.35 J	<5.0	<5.0	<150	MW-7	
	03/16/04			46.98	0.00	63.93	45 J	23	<2.0	<2.0	<4.0	0.66 J	<50	0.27 J	<5.0	<5.0	<150	MW-7	
	06/22/04			47.28	0.00	63.63	52	21	<2.0	<2.0	<4.0	1.1 J	<50	0.34 J	<5.0	<5.0	<150	MW-7	
	09/13/04	NS		46.37	0.00	64.54	-	-	-	-	-	-	-	-	-	-	-	-	
	09/14/04			-	-	-	<50	4.8	<2.0	<2.0	<4.0	0.66 J	<5.0	<5.0	<5.0	<50	<150	MW-7	
	12/09/04		110.93	46.50	0.00	64.43	38 J	9.0	<2.0	<2.0	<4.0	0.63 J	1.3 J	0.23 J	0.080 J	<5.0	<150	MW-7	
	02/07/05		110.91	46.44	0.00	64.47	47 J	8.7	<2.0	<2.0	<4.0	0.52 J	<50	<5.0	<5.0	<5.0	<150	MW-7	
	05/02/05			46.06	0.00	64.85	36 J	6.7	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-7	
	08/01/05			45.76	0.00	65.15	<50	3.8	<2.0	<2.0	<4.0	0.34 J	<50	<5.0	<5.0	<5.0	<150	MW-7	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 1289
4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-8	08/28/92		108.68	55.01	0.00	53.67	<100	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	12/10/92			54.75	0.00	53.93	200	2.9	2.4	1.2	8.9	-	-	-	-	-	-	MW-8	
	03/24/93			54.13	0.00	54.55	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	06/22/93			53.57	0.00	55.11	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	09/13/93			52.98	0.00	55.70	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	12/06/93	NS		51.46	0.00	57.22	-	-	-	-	-	-	-	-	-	-	-	-	
	03/22/94			50.61	0.00	58.07	53	1.8	<0.40	<0.40	0.54	-	-	-	-	-	-	MW-8	
	04/19/94			50.38	0.00	58.30	<50	0.82	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	07/19/94			50.00	0.00	58.68	<50	0.91	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	11/08/94			51.40	0.00	57.28	<50	0.80	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	02/13/95			49.20	0.00	59.48	52	1.5	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	04/17/95			48.80	0.00	59.88	<50	1.0	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	07/31/95			48.26	0.00	60.42	59	8.5	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	10/30/95			48.10	0.00	60.58	61	2.2	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	01/22/96			47.75	0.00	60.93	60	2.9	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	04/08/96			47.20	0.00	61.48	72	4.9	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	07/16/96			47.06	0.00	61.62	60	5.1	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	10/14/96			47.18	0.00	61.50	70	5.0	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	02/28/97			45.93	0.00	62.75	83	11	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	05/14/97	NS		45.86	0.00	62.82	-	-	-	-	-	-	-	-	-	-	-	-	
	07/10/97			46.16	0.00	62.52	120	28	<0.30	<0.30	<0.60	19	-	-	-	-	-	MW-8	
	10/06/97	NS		46.00	0.00	62.68	-	-	-	-	-	-	-	-	-	-	-	-	
	03/11/98			45.43	0.00	63.25	210	71	<0.60	<0.60	<1.2	22	-	-	-	-	-	MW-8	
	06/03/98			44.81	0.00	63.87	320	110	<1.0	<1.0	<2.0	<33	-	-	-	-	-	MW-8	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 1289
4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-11	11/22/99		110.63	40.43	0.00	70.20	170	41	0.31	<0.30	<0.60	<10	-	-	-	-	-	MW-11	
	03/16/00			40.29	0.00	70.34	180	7.0	<0.093	0.29	<0.83	-	<24	<1.0	<1.4	<1.6	-	MW-11	
	05/08/00			40.35	0.00	70.28	300	78	<0.093	0.39 J	<0.82	-	<5.0	<0.50	<0.57	<0.68	-	MW-11	
	08/16/00			40.41	0.00	70.22	120	49	0.13 J	0.22 J	<0.82	-	<5.0	<0.50	<0.57	<0.68	-	MW-11	
	11/01/00		110.66	40.84	0.00	69.82	26 J	4.6	<0.093	<0.18	<0.82	-	<5.0	<0.50	<0.57	<0.68	-	MW-11	
	02/15/01			40.75	0.00	69.91	61 J	18	<1.0	<1.0	<1.0	-	<10	<2.0	<2.0	<2.0	-	MW-11	
	05/16/01		110.84	40.74	0.00	70.10	70 J	12	<1.0	<1.0	<1.0	-	<10	<2.0	<2.0	<2.0	-	MW-11	
	07/30/01			40.72	0.00	70.12	<50	3.5 J	<1.0	<1.0	<1.0	-	<10	<2.0	<2.0	<2.0	-	MW-11	
	10/29/01			40.95	0.00	69.89	<50	1.4 J	<1.0	<1.0	<1.0	-	<10	<2.0	<2.0	<2.0	-	MW-11	
	01/30/02			40.86	0.00	69.98	64 J	8.5	<1.0	<1.0	<1.0	-	<10	<2.0	<2.0	<2.0	-	MW-11	
	04/30/02			41.09	0.00	69.75	73 J	8.9	<1.0	1.1 J	<1.0	-	<10	<2.0	<2.0	<2.0	-	MW-11	
	08/27/02		110.64	41.29	0.00	69.35	46 J	0.33 J	<2.0	<2.0	<4.0	-	<50	<5.0	<5.0	<5.0	-	MW-11	
	12/26/02			42.41	0.00	68.23	51	1.4 J	<2.0	<2.0	<4.0	-	<50	<5.0	<5.0	<5.0	-	MW-11	
	02/24/03			53.51	0.00	57.13	67	3.3	<2.0	1.1 J	0.82 J	-	<50	<5.0	<5.0	<5.0	<150	MW-11	
	04/21/03			42.88	0.00	67.76	82	1.7 J	<2.0	0.31 J	<4.0	-	<50	<5.0	<5.0	<5.0	<150	MW-11	
	07/22/03			43.36	0.00	67.28	38 J	3.0	<2.0	<2.0	<4.0	-	<50	<5.0	<5.0	<5.0	<150	MW-11	
	10/31/03			43.72	0.00	66.92	<50	0.30 J	<2.0	<2.0	<4.0	-	<50	<5.0	<5.0	<5.0	<150	MW-11	
	03/16/04			44.02	0.00	66.62	<50	<2.0	<2.0	<2.0	<4.0	-	<50	<5.0	<5.0	<5.0	<150	MW-11	
	06/22/04			44.21	0.00	66.43	31 J	0.59 J	<2.0	<2.0	<4.0	-	<50	<5.0	<5.0	<5.0	<150	MW-11	
	09/13/04	NS		44.51	0.00	66.13	-	-	-	-	-	-	-	-	-	-	-	MW-11	
	09/14/04			-	-	-	57	6.3	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-11	
	12/09/04		110.66	44.78	0.00	65.88	27 J	4.5	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	0.36 J	<150	MW-11	
	02/07/05		110.64	44.67	0.00	65.97	23 J	1.1 J	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-11	
	05/02/05			44.44	0.00	66.20	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	MW-11	
	08/01/05			44.07	0.00	66.57	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-11	

TABLE 7
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4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-12	11/22/99		110.40	40.95	0.00	69.45	2,800	1,200	14	54	50	7.6	-	-	-	-	-	MW-12	
	11/22/99	A		-	-	-	-	-	-	-	-	290	-	-	-	-	-	MW-12	Method 8260
	03/16/00			40.75	0.00	69.65	1,100	860	7.0	24	17	7.0	<240	<10	<14	<16	-	MW-12	
	05/08/00			40.80	0.00	69.60	2,000	<0.11	11	38	22	7.6	8.4 J	10	<0.57	<0.68	-	MW-12	
	08/16/00			40.91	0.00	69.49	2,500	1,200	11 J	65	41	8.5 J	<130	<13	<14	<17	-	MW-12	
	11/01/00		110.45	41.34	0.00	69.11	2,400	1,300	4.9 J	81	12	6.1 J	<50	7.0 J	<5.7	<6.8	-	MW-12	
	02/15/01			41.25	0.00	69.20	2,500	1,400	<10	90	42	<20	<100	<20	<20	<20	-	MW-12	
	05/16/01		110.41	41.22	0.00	69.19	3,100	1,400	49 J	170	120	<40	<200	<40	<40	<40	-	MW-12	
	07/30/01			41.34	0.00	69.07	1,300	510	<5.0	49	9.0	<10	<50	<10	<10	<10	-	MW-12	
	10/29/01			41.58	0.00	68.83	1,400	780	<10	120	<10	<20	<100	<20	<20	<20	-	MW-12	
	01/30/02			41.44	0.00	68.97	1,300	610	<10	97	<10	<20	<100	<20	<20	<20	-	MW-12	
	04/30/02			41.62	0.00	68.79	860	460	<5.0	91	20 J	<10	<50	<10	<10	<10	-	MW-12	
	08/27/02			41.80	0.00	68.61	800	330	2.2 J	41	7.2 J	5.5 J	<200	5.2 J	<20	<20	-	MW-12	
	12/26/02			42.85	0.00	67.56	530	270	<8.0	1.6 J	<16	4.6 J	<200	7.6 J	<20	<20	-	MW-12	
	02/24/03			42.81	0.00	67.60	670	250	2.4 J	29	26	9.2 J	<200	4.7 J	<20	<20	<600	MW-12	
	04/21/03			42.96	0.00	67.45	610	180	2.0 J	11	4.6 J	10 J	<120	4.6 J	<12	<12	<380	MW-12	
	07/22/03			43.42	0.00	66.99	450	250	3.2 J	12	2.4 J	4.4 J	<200	7.9 J	<20	<20	<600	MW-12	
	10/31/03			43.82	0.00	66.59	98	41	<2.0	0.45 J	<4.0	0.69 J	<50	27	<5.0	<5.0	<150	MW-12	
	03/16/04			43.91	0.00	66.50	220	110	0.94 J	2.1 J	<8.0	<10	<100	17	<10	<10	<300	MW-12	
	06/22/04			44.26	0.00	66.15	230	75	0.57 J	0.55 J	<4.0	0.41 J	<50	19	<5.0	<5.0	<150	MW-12	
	06/22/04	DUP		-	-	-	230	79	0.58 J	0.40 J	<4.0	0.46 J	<50	22	<5.0	<5.0	<150	DUP-1289-20040622	
	09/13/04			44.59	0.00	65.82	230	87	0.57 J	1.1 J	<4.0	0.77 J	<50	23	<5.0	<5.0	<150	MW-12	
	09/13/04	DUP		-	-	-	170	78	0.48 J	0.42 J	<4.0	0.59 J	<50	19	<5.0	<5.0	<150	DUP-1289-20040913	
	12/09/04		110.44	44.93	0.00	65.51	200	72	0.49 J	0.62 J	0.34 J	0.52 J	2.5 J	18	0.52 J	<5.0	<150	MW-12	
	12/09/04	DUP		-	-	-	210	64	0.44 J	0.76 J	<8.0	0.56 J	<100	16	0.40 J	<10	<300	DUP-1289-20041209	
	02/07/05		110.41	44.85	0.00	65.56	180	52	<2.0	<2.0	<4.0	0.40 J	<50	20	<5.0	<5.0	<150	MW-12	
	02/07/05	DUP		-	-	-	150	51	<2.0	<2.0	<4.0	0.40 J	<50	21	<5.0	<5.0	<150	DUP-1289-20050207	
	05/02/05			44.67	0.00	65.74	77	12	<2.0	<2.0	<4.0	<5.0	<50	24	<5.0	<5.0	<150	MW-12	
	05/02/05	DUP		-	-	-	98	14	<2.0	<2.0	<4.0	<5.0	<50	30	<5.0	<5.0	<150	DUP-1289-20050502	
	08/01/05			44.40	0.00	66.01	91	13	<2.0	<2.0	<4.0	0.80 J	<50	18	<5.0	<5.0	<150	MW-12	
	08/01/05	DUP		-	-	-	100	13	<2.0	<2.0	<4.0	0.82 J	<50	18	<5.0	<5.0	<150	DUP-1289-20050801	

TABLE 7
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4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-13	11/22/99		111.42	41.86	0.00	69.56	12,000	2,300	2,300	240	2,200	<1,000	-	-	-	-	-	MW-13	
	03/16/00			41.59	0.00	69.83	1,600	660	1.2	26	16	190	<120	<5.0	<7.0	<8.0	-	MW-13	
	05/08/00			41.66	0.00	69.76	1,600	820	25 J	31 J	48 J	210	<100	<10	<11	<14	-	MW-13	
	08/16/00			41.78	0.00	69.64	1,500	750	17 J	42	11 J	180	<50	<5.0	<5.7	<6.8	-	MW-13	
	11/01/00		111.48	42.35	0.00	69.13	650	310	24	8.2	67	200	40 J	<2.0	<2.3	<2.7	-	MW-13	
	02/15/01			42.23	0.00	69.25	10,000	2,200	2,200	240	2,700	580	<400	<80	<80	<80	-	MW-13	
	05/16/01		111.46	42.13	0.00	69.33	1,800	620	100	50	160	160	<100	<20	<20	<20	-	MW-13	
	07/30/01			42.23	0.00	69.23	920	290	15 J	25	22	190	73 J	<8.0	<8.0	<8.0	-	MW-13	
	10/29/01			42.35	0.00	69.11	1,100	840	24 J	88	11 J	220	<100	<20	<20	<20	-	MW-13	
	01/30/02			42.20	0.00	69.26	1,200	470	41 J	72	29 J	240	<100	<20	<20	<20	-	MW-13	
	04/30/02			42.34	0.00	69.12	1,500	500	97	70	110	200	100 J	<10	<10	<10	-	MW-13	
	08/27/02		111.45	42.36	0.00	69.09	1,500	310	110	79	120	300	120 J	<25	<25	<25	-	MW-13	
	12/26/02			43.92	0.00	67.53	14,000	3,000	3,500	450	2,600	810	420 J	<200	<200	<200	-	MW-13	
	02/24/03			44.06	0.00	67.39	3,400	860	550	31 J	570	410	110 J	<100	<100	<100	<3,000	MW-13	
	04/21/03			44.24	0.00	67.21	1,700	330	240	17	280	310	80 J	<25	<25	<25	<750	MW-13	
	07/22/03			44.66	0.00	66.79	680	190	37	25	39	220	100 J	<12	<12	<12	<380	MW-13	
	10/31/03			45.23	0.00	66.22	1,100	510	2.6 J	36	2.3 J	310	100 J	<12	<12	<12	<380	MW-13	
	03/16/04			45.15	0.00	66.30	420	240	2.2 J	2.5 J	6.8 J	160	97 J	<25	<25	<25	<750	MW-13	
	06/22/04			45.61	0.00	65.84	150	17	<2.0	<2.0	<4.0	110	88	0.32 J	<5.0	<5.0	<150	MW-13	
	09/13/04			45.77	0.00	65.68	230	87	0.57 J	1.1 J	<4.0	0.77 J	<50	23	<5.0	<5.0	<150	MW-13	
	09/13/04	DUP		-	-	-	170	78	0.48 J	0.42 J	<4.0	0.59 J	<50	19	<5.0	<5.0	<150	DUP-1289-20040913	
	12/09/04		111.48	46.44	0.00	65.04	150	2.4 J	2.0 J	0.60 J	6.9 J	110	140 J	0.40 J	<25	<25	<750	MW-13	
	02/07/05	INA	111.45	45.50	0.00	65.95	-	-	-	-	-	-	-	-	-	-	-	-	
	05/02/05			45.80	0.00	65.65	100	0.71 J	0.98 J	<2.0	2.7 J	110	46 J	<5.0	<5.0	<5.0	<150	MW-13	
	08/01/05			45.40	0.00	66.05	49 J	0.38 J	<2.0	<2.0	<4.0	97	38	0.26 J	<5.0	<5.0	<150	MW-13	

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ARCO Station No. 1289
4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-14	11/01/00		110.26	42.30	0.00	67.96	290	110	0.24 J	<0.18	1.3 J	140	42 J	<0.50	<0.57	<0.68	-	MW-14	
	02/15/01			42.17	0.00	68.09	630	280	<1.0	<1.0	5.8	140	31	<2.0	<2.0	<2.0	-	MW-14	
	05/16/01		110.22	42.11	0.00	68.11	450	210	<4.0	<4.0	<4.0	150	<40	<8.0	<8.0	<8.0	-	MW-14	
	07/30/01			42.15	0.00	68.07	140	36	<1.0	<1.0	8.2	42	27	<2.0	<2.0	<2.0	-	MW-14	
	10/29/01			42.38	0.00	67.84	130	75	<1.0	<1.0	2.4 J	57	37	<2.0	<2.0	<2.0	-	MW-14	
	01/30/02			42.38	0.00	67.84	560	400	12 J	<4.0	13 J	180	47 J	<8.0	<8.0	<8.0	-	MW-14	
	04/30/02			42.59	0.00	67.63	680	360	<5.0	<5.0	<5.0	230	120	<10	<10	<10	-	MW-14	
	08/27/02			42.78	0.00	67.44	360	160	<4.0	<4.0	0.52 J	45	36 J	<10	<10	<10	-	MW-14	
	12/26/02			43.36	0.00	66.86	330	170	<8.0	<8.0	<16	58	41 J	<20	<20	<20	-	MW-14	
	02/24/03			43.44	0.00	66.78	850	470	<8.0	<8.0	<16	150	150 J	<20	<20	<20	<600	MW-14	
	04/21/03			43.45	0.00	66.77	1,000	560	<8.0	<8.0	<16	200	77 J	<20	<20	<20	<600	MW-14	
	07/22/03			43.80	0.00	66.42	1,100	740	<8.0	<8.0	2.1 J	210	87 J	<20	<20	<20	<600	MW-14	
	10/31/03			44.09	0.00	66.13	240	160	<2.0	<2.0	<4.0	78	47 J	0.72 J	<5.0	<5.0	<150	MW-14	
	03/16/04			44.18	0.00	66.04	450	380	<8.0	<8.0	<16	150	88 J	1.0 J	<20	<20	<600	MW-14	
	06/22/04			44.56	0.00	65.66	710	450	<8.0	<8.0	<16	64	42 J	1.3 J	<20	<20	<600	MW-14	
	09/13/04			44.99	0.00	65.23	850	530	<8.0	<8.0	<16	130	51 J	2.2 J	<20	<20	<600	MW-14	
	12/09/04		110.25	45.45	0.00	64.80	970	570	<20	1.2 J	<40	83	120 J	1.6 J	0.60 J	<50	<1,500	MW-14	
	02/07/05		110.22	45.43	0.00	64.79	1,000	700	<20	<20	<40	110	<500	<50	<50	<50	<1,500	MW-14	
	05/02/05			45.31	0.00	64.91	320	490	<20	<20	<40	110	<500	<50	<50	<50	<1,500	MW-14	
	08/01/05			45.14	0.00	65.08	420	240	<8.0	<8.0	<16	110	59 J	1.7 J	<20	<20	<600	MW-14	
MW-15	11/01/00		110.23	42.29	0.00	67.94	2,500	110	2.4	1.2 J	8.8	43	9.7 J	<0.50	<0.57	<0.68	-	MW-15	
	02/15/01			42.14	0.00	68.09	3,800 J	2,200	120 J	33 J	170	680	<250	<50	<50	<50	-	MW-15	
	05/16/01		110.22	41.89	0.00	68.33	2,700	1,500	<25	76 J	52 J	480	<250	<50	<50	<50	-	MW-15	
	07/30/01			42.21	0.00	68.01	1,600	1,100	<20	48 J	21 J	280	<200	<40	<40	<40	-	MW-15	
	10/29/01			42.40	0.00	67.82	750	770	<10	29 J	<10	190	<100	<20	<20	<20	-	MW-15	
	01/30/02			42.19	0.00	68.03	4,600	3,200	48 J	350	150	980	<250	<50	<50	<50	-	MW-15	
	04/30/02			42.20	0.00	68.02	3,900	1,900	<20	150	<20	900	340 J	<40	<40	<40	-	MW-15	
	08/27/02		110.21	42.35	0.00	67.86	2,000	700	<20	200	<40	740	260 J	<50	<50	<50	-	MW-15	
	12/26/02			43.20	0.00	67.01	1,400	590	<20	170	12 J	610	280 J	<50	<50	<50	-	MW-15	
	02/24/03			43.35	0.00	66.86	2,900	1,600	<20	77	18 J	590	610	<50	<50	<50	<1,500	MW-15	
	04/21/03			43.22	0.00	66.99	1,900	1,200	<20	76	11 J	530	200 J	<50	<50	<50	<1,500	MW-15	
	07/22/03			43.78	0.00	66.43	2,500	1,900	<20	150	12 J	680	290 J	<50	<50	<50	<1,500	MW-15	
	10/31/03			44.04	0.00	66.17	270	64	<10	<10	<20	420	150 J	<25	<25	<25	<750	MW-15	
	03/16/04			44.32	0.00	65.89	260	51	<5.0	3.6 J	<10	300	100 J	<12	<12	<12	<380	MW-15	
	06/22/04			44.51	0.00	65.70	240	20	<8.0	<8.0	<16	300	<200	<20	<20	<20	<600	MW-15	
	09/13/04			44.75	0.00	65.46	430	120	<10	12	<20	360	160 J	<25	<25	<25	<750	MW-15	
	12/09/04		110.23	45.09	0.00	65.14	330	11 J	<20	<20	<40	480	440 J	<50	<50	3.8 J	<1,500	MW-15	
	02/07/05		110.21	45.00	0.00	65.21	210	11	<8.0	<8.0	<16	480	110 J	<20	<20	<20	<600	MW-15	
	05/02/05			44.90	0.00	65.31	190	<20	<20	<20	<40	470	120 J	<50	<50	<50	<1,500	MW-15	
	08/01/05			44.77	0.00	65.44	290	<10	<10	<10	<20	410	130 J	<25	<25	<25	<750	MW-15	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 1289
4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-16	11/01/00		109.96	41.71	0.00	68.25	330	230	2.0 J	0.76 J	<3.3	13 J	<20	<2.0	<2.3	<2.7	-	MW-16	
	02/15/01			42.25	0.00	67.71	520 J	400	<4.0	<4.0	<4.0	31	<40	<8.0	<8.0	<8.0	-	MW-16	
	05/16/01		109.79	41.49	0.00	68.30	1,200	740	<5.0	13 J	14 J	61	<50	<10	<10	<10	-	MW-16	
	07/30/01			41.95	0.00	67.84	240	120	<2.0	<2.0	<2.0	31	<20	<4.0	<4.0	<4.0	-	MW-16	
	10/29/01			42.18	0.00	67.61	150	66	<1.0	1.6 J	<1.0	22	<10	<2.0	<2.0	<2.0	-	MW-16	
	01/30/02			41.60	0.00	68.19	720	610	<5.0	16 J	15 J	35	<50	<10	<10	<10	-	MW-16	
	04/30/02			41.62	0.00	68.17	650	400	<5.0	10 J	<5.0	34	<50	<10	<10	<10	-	MW-16	
	08/27/02		109.77	42.15	0.00	67.62	140	67	0.18 J	0.77 J	<4.0	10	8.7 J	<5.0	<5.0	<5.0	-	MW-16	
	12/26/02			42.74	0.00	67.03	140	99	<2.0	1.1 J	<4.0	12	<50	<5.0	<5.0	<5.0	-	MW-16	
	02/24/03	NS		42.73	0.00	67.04	-	-	-	-	-	-	-	-	-	-	-	-	
	04/21/03			42.83	0.00	66.94	320	240	<2.0	2.4	<4.0	8.0	<50	<5.0	<5.0	<5.0	<150	MW-16	
	07/22/03			43.21	0.00	66.56	350	290	<10	2.6 J	<20	8.2 J	<250	<25	<25	<25	<750	MW-16	
	10/31/03			43.72	0.00	66.05	48 J	11	<2.0	0.26 J	<4.0	51	21 J	<5.0	<5.0	<5.0	<150	MW-16	
	03/16/04			44.10	0.00	65.67	48	3.1	<2.0	<2.0	<4.0	48	<50	<5.0	<5.0	<5.0	<150	MW-16	
	06/22/04			44.27	0.00	65.50	150	69	<2.0	1.9 J	<4.0	18	<50	<5.0	<5.0	<5.0	<150	MW-16	
	09/13/04			44.73	0.00	65.04	83	35	<2.0	0.99 J	<4.0	25	<50	<5.0	<5.0	<5.0	<150	MW-16	
	12/09/04		109.80	44.99	0.00	64.81	45 J	2.0	<2.0	<2.0	<4.0	36	40 J	0.16 J	<5.0	<5.0	<150	MW-16	
	02/07/05		109.77	44.93	0.00	64.84	44 J	1.2 J	<2.0	<2.0	<4.0	34	20 J	<5.0	<5.0	<5.0	<150	MW-16	
	05/02/05			44.51	0.00	65.26	130	56	<2.0	3.5	2.6 J	9.8	<50	<5.0	<5.0	<5.0	<150	MW-16	
	08/01/05			44.34	0.00	65.43	53	0.60 J	<2.0	<2.0	<4.0	19	<50	<5.0	<5.0	<5.0	<150	MW-16	
MW-24	03/25/02		-	43.48	0.00	-	<50	9.4	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-24	Not surveyed
	04/30/02			43.64	0.00	-	<50	18	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-24	
	08/27/02		109.99	43.81	0.00	66.18	55	31	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-24	
	12/26/02			44.61	0.00	65.38	34 J	24	<2.0	<2.0	<4.0	0.48 J	<50	<5.0	<5.0	<5.0	-	MW-24	
	02/24/03			44.50	0.00	65.49	74	59	<2.0	<2.0	<4.0	0.55 J	<50	<5.0	<5.0	<5.0	<150	MW-24	
	04/21/03			44.56	0.00	65.43	250	160	<4.0	<4.0	<8.0	1.2 J	<100	<10	<10	<10	<300	MW-24	
	07/22/03			45.82	0.00	64.17	280	190	<2.0	<2.0	<4.0	1.6 J	<50	<5.0	<5.0	<5.0	<150	MW-24	
	10/31/03			45.10	0.00	64.89	200	190	0.83 J	<2.0	0.62 J	2.9 J	<50	<5.0	<5.0	<5.0	<150	MW-24	
	03/16/04			45.31	0.00	64.68	130	130	<4.0	<4.0	<8.0	4.1 J	<100	<10	<10	<10	<300	MW-24	
	06/22/04			45.41	0.00	64.58	110	59	<2.0	<2.0	<4.0	6.2	<50	<5.0	<5.0	<5.0	<150	MW-24	
	09/13/04	NS		46.03	0.00	63.96	-	-	-	-	-	-	-	-	-	-	-	-	
	09/14/04			-	-	-	61	57	<2.0	<2.0	<4.0	7.3	<50	<5.0	<5.0	<5.0	<150	MW-24	
	12/09/04		110.03	46.36	0.00	63.67	83	49	<2.0	<2.0	<4.0	8.7	11 J	<5.0	<5.0	<5.0	<150	MW-24	
	02/07/05		109.99	46.48	0.00	63.51	150	90	<2.0	<2.0	<4.0	14	9.4 J	<5.0	<5.0	<5.0	<150	MW-24	
	05/02/05			46.31	0.00	63.68	170	210	<4.0	<4.0	<8.0	19	<100	<10	<10	<10	<300	MW-24	
	08/01/05			46.10	0.00	63.89	95	59	<2.0	<2.0	<4.0	20	<50	<5.0	<5.0	<5.0	<150	MW-24	

TABLE 7
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4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
MW-25	03/25/02		-	43.01	0.00	-	<50	4.3 J	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-25	Not surveyed
	04/30/02			43.14	0.00	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-25	
	08/27/02		109.74	43.42	0.00	66.32	67	2.3	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-25	
	12/26/02			43.98	0.00	65.76	9.5 J	1.3 J	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-25	
	02/24/03			44.89	0.00	64.85	22 J	6.7	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-25	
	04/21/03			43.95	0.00	65.79	48 J	16	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-25	
	07/22/03			44.21	0.00	65.53	<50	5.8	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-25	
	10/31/03			44.55	0.00	65.19	32 J	10	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-25	
	03/16/04			44.87	0.00	64.87	<50	1.9 J	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-25	
	06/22/04			45.66	0.00	64.08	24 J	0.96 J	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-25	
	09/13/04	NS		45.68	0.00	64.06	-	-	-	-	-	-	-	-	-	-	-	-	
	09/14/04			-	-	-	<50	2.6	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-25	
	12/09/04		109.77	46.18	0.00	63.59	110	5.9	<4.0	<4.0	<8.0	<10	<100	<10	<10	<10	<300	MW-25	
	02/07/05		109.74	46.18	0.00	63.56	25 J	1.9 J	<2.0	<2.0	<4.0	<5.0	6.2 J	<5.0	<5.0	<5.0	<150	MW-25	
	05/02/05			45.99	0.00	63.75	33 J	5.8	<2.0	<2.0	<4.0	<5.0	5.4 J	<5.0	<5.0	<5.0	<150	MW-25	
	08/01/05			45.81	0.00	63.93	41 J	5.3	<2.0	<2.0	<4.0	0.40 J	<50	<5.0	<5.0	<5.0	<150	MW-25	
MW-26	03/25/02		-	42.81	0.00	-	170	13	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-26	Not surveyed
	04/30/02			43.00	0.00	-	<50	12	<1.0	<1.0	<1.0	<2.0	<10	2.7 J	<2.0	<2.0	-	MW-26	
	08/27/02		109.66	43.24	0.00	66.42	170	10	<2.0	<2.0	<4.0	<5.0	<50	2.8 J	<5.0	<5.0	-	MW-26	
	12/26/02			43.91	0.00	65.75	150	12	<2.0	<2.0	<4.0	<5.0	<50	3.7 J	<5.0	<5.0	-	MW-26	
	02/24/03			43.85	0.00	65.81	130	20	<2.0	<2.0	<4.0	<5.0	<50	5.7	<5.0	<5.0	<150	MW-26	
	04/21/03			43.96	0.00	65.70	310	130	<2.0	<2.0	<4.0	<5.0	<50	14	<5.0	<5.0	<150	MW-26	
	07/22/03			44.29	0.00	65.37	54	17	<2.0	<2.0	<4.0	<5.0	<50	5.9	<5.0	<5.0	<150	MW-26	
	10/31/03			44.52	0.00	65.14	63	17	<2.0	<2.0	<4.0	<5.0	<50	8.1	<5.0	<5.0	<150	MW-26	
	03/16/04			44.82	0.00	64.84	92	29	<2.0	<2.0	<4.0	<5.0	<50	9.3	<5.0	<5.0	<150	MW-26	
	06/22/04			45.35	0.00	64.31	110	34	<2.0	<2.0	<4.0	<5.0	<50	12	<5.0	<5.0	<150	MW-26	
	09/13/04			45.59	0.00	64.07	110	58	<2.0	<2.0	<4.0	<5.0	<50	16	<5.0	<5.0	<150	MW-26	
	12/09/04		109.69	46.04	0.00	63.65	170	56	<4.0	<4.0	<8.0	0.20 J	6.6 J	11	0.58 J	0.78 J	<300	MW-26	
	02/07/05		109.66	46.00	0.00	63.66	230	42	<2.0	<2.0	<4.0	<5.0	<50	15	<5.0	<5.0	<150	MW-26	
	05/02/05			45.85	0.00	63.81	210	72	0.39 J	<2.0	<4.0	<5.0	<50	21	<5.0	<5.0	<150	MW-26	
	08/01/05			45.66	0.00	64.00	180	58	<2.0	0.37 J	<4.0	0.67 J	<50	19	<5.0	<5.0	<150	MW-26	

TABLE 7
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ARCO Station No. 1289
4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
Trip Blank	01/22/96		-	-	-	-	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	Trip Blank	
	04/08/96			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	Trip Blank	
	07/16/96			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	10/14/96			-	-	-	<50	<0.30	0.88	<0.30	<0.60	-	-	-	-	-	-	Trip Blank	
	02/28/97			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	03/11/98			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	06/03/98			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	12/16/98			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	03/17/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	06/14/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	08/28/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<5.0	-	-	-	-	-	Trip Blank	
	11/22/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	03/16/00			-	-	-	<9.3	<0.11	<0.093	<0.18	<0.83	<0.28	<24	<1.0	<1.4	<1.6	-	Trip Blank	
	05/08/00			-	-	-	7.4 J	<0.11	<0.093	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	Trip Blank	
	08/16/00			-	-	-	<7.0	<0.11	<0.093	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	Trip Blank	
	11/01/00			-	-	-	<6.6	<0.11	<0.093	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	Trip Blank	
	02/15/01			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	05/16/01			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	07/30/01			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	10/29/01			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	01/30/02			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	03/25/02			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	04/30/02			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	08/27/02			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	Trip Blank	
	12/26/02			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	Trip Blank	
	02/24/03			-	-	-	10 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	Trip Blank	
	04/21/03			-	-	-	30 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	Trip Blank	
	07/22/03			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	Trip Blank	
	10/31/03			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	Trip Blank	
	03/16/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB	
	06/22/04			-	-	-	75	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-1289-20040622	
	09/13/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-1289-20040913	
	12/09/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-1289-20041209	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 1289
4861 E. Firestone Blvd., South gate, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured Product Thickness (feet)	GW Elev. (ft-MSL)	GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	Ethanol (µg/L)	Sample ID	Comments
Trip Blank	02/07/05		-	-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-1289-20050207	
	05/02/05			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-1289-20050502	
	08/01/05			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-1289-20050801	

Notes:

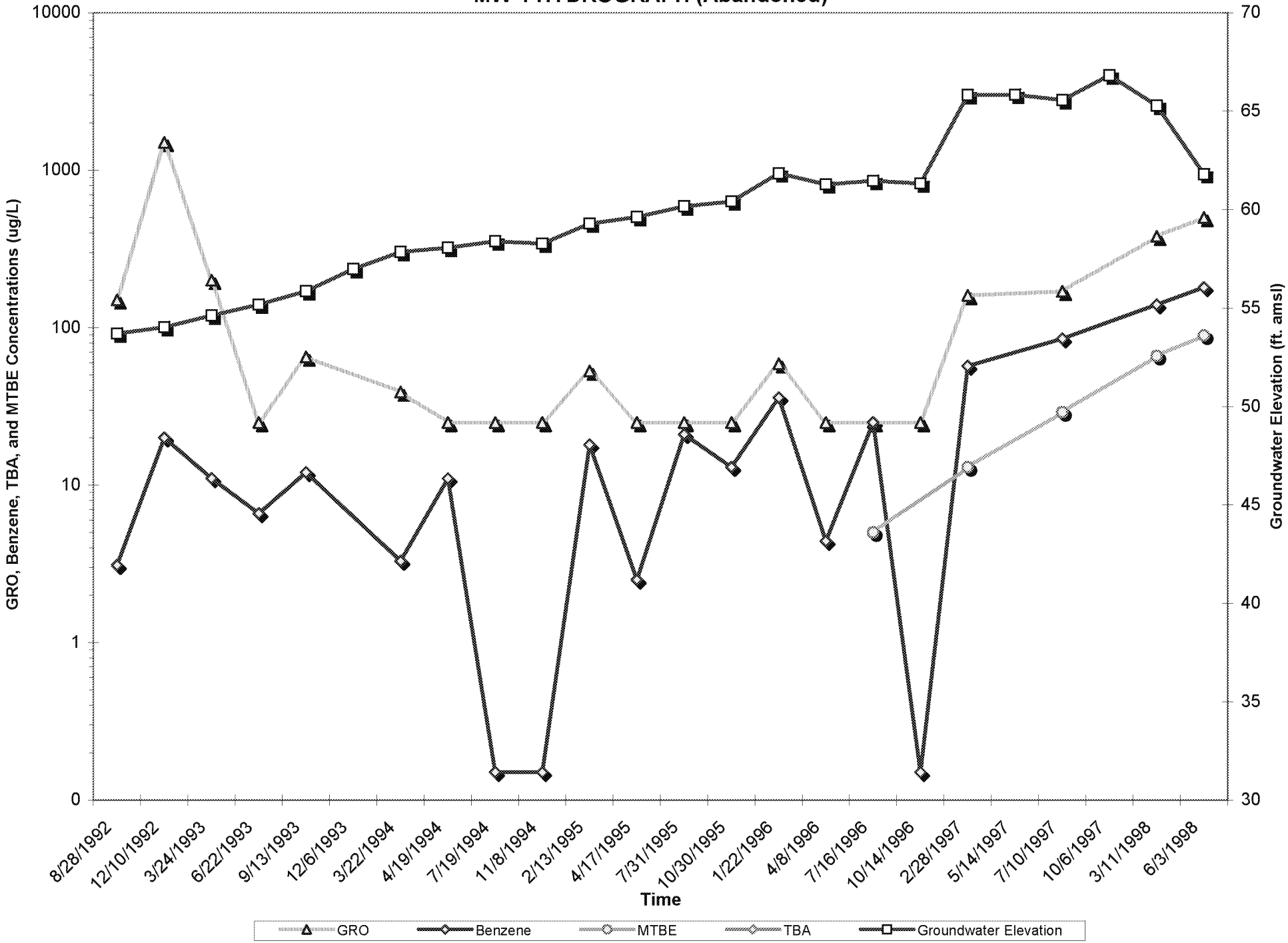
GRO = Gasoline range organics
B = Benzene
T = Toluene
E = Ethylbenzene
X = Total xylenes
MTBE = Methyl tert-butyl ether
TBA = Tert-butyl alcohol
DIPE = Di-isopropyl ether
ETBE = Ethyl tert-butyl ether
TAME = Tert-amyl methyl ether
SPH = Separate phase hydrocarbons
TOC = Top of casing (surveyed)
Calc. GW Elev. = Calculated groundwater elevation = TOC - Depth to Water + (
ft-MSL = feet above mean sea level
µg/L = Micrograms per liter
< = Analyte was not detected above the specified method reporting limit
- = Not measured or analyzed
J = Estimated value (less than the method reporting limit and greater than or equal to the method detection limit)
Refer to the reports in which data was first presented for more information on historical data.

GRO analyzed by EPA Method 8015 Modified. The carbon chain range used for analysis since 2000 Quarter 1 is C4-C12.
BTEX and oxygenates analyzed by EPA Method 8260B since 2000 Quarter 1.
A = Alternate analytical method results (used for method comparison studies)
DUP = Duplicate sample
NS = Well not sampled
INA = Well inaccessible; not sampled

Appendix A
Well Hydrographs and Hydrocarbon Concentrations

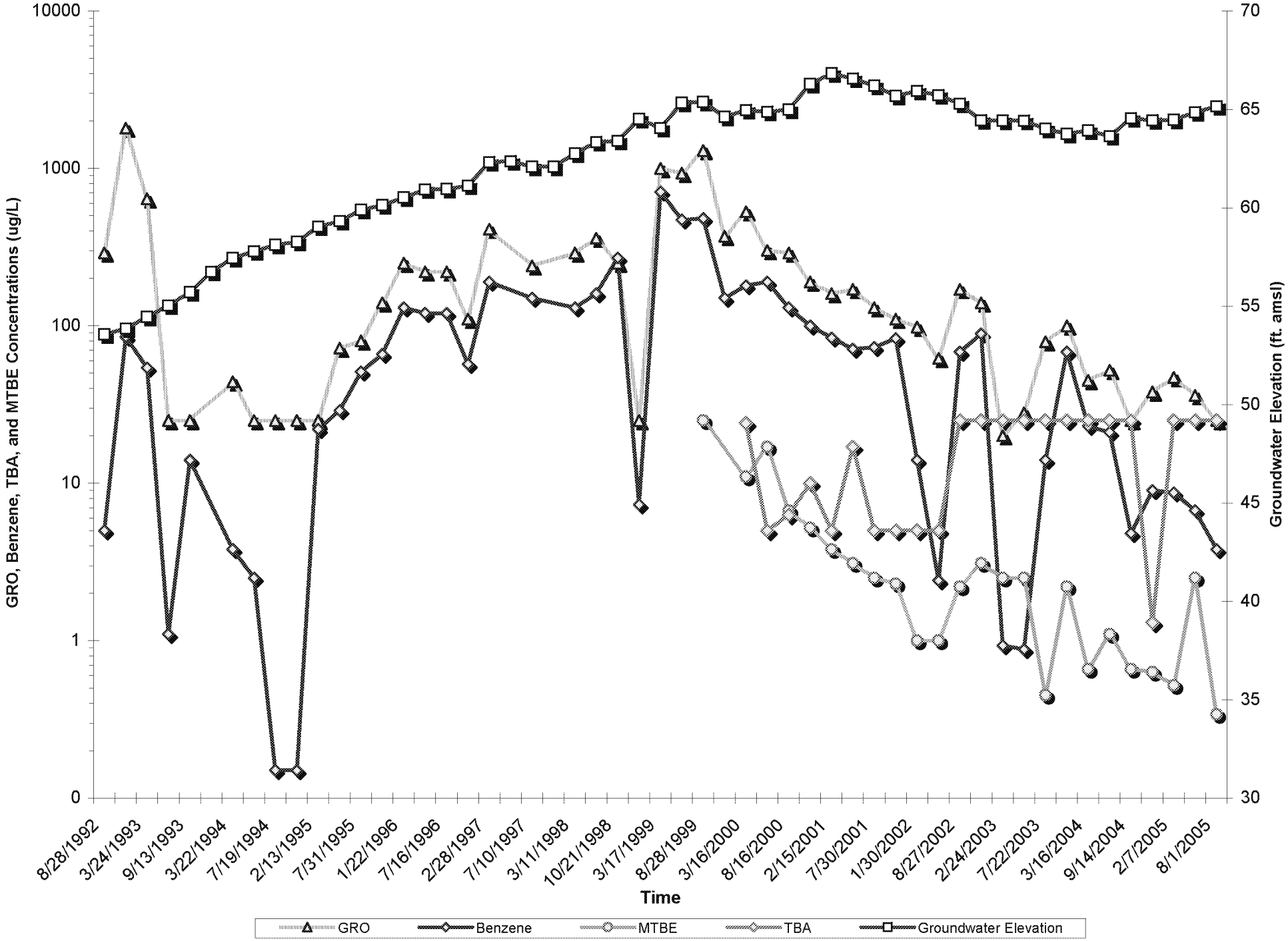
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-1 HYDROGRAPH (Abandoned)



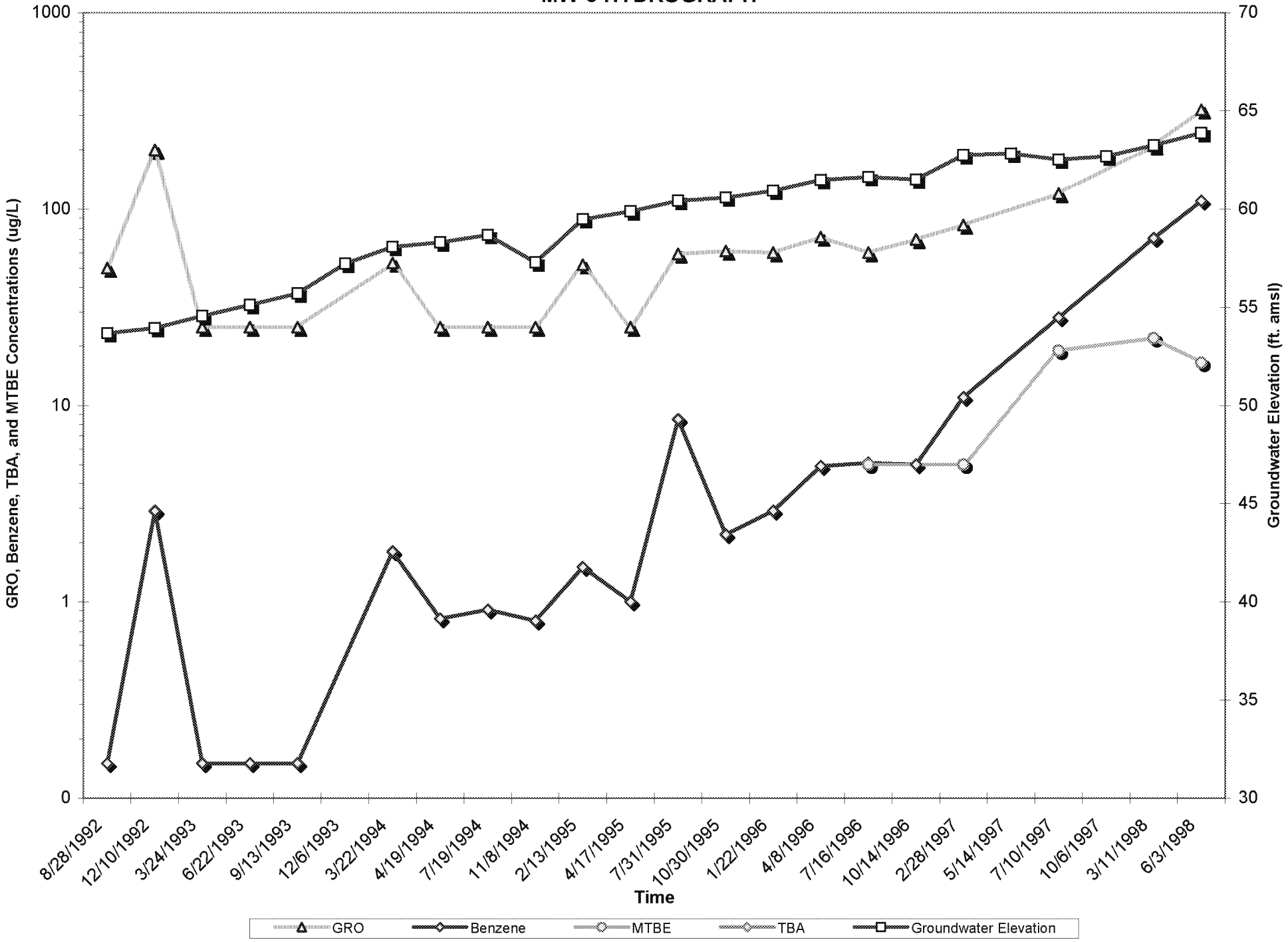
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-7 HYDROGRAPH



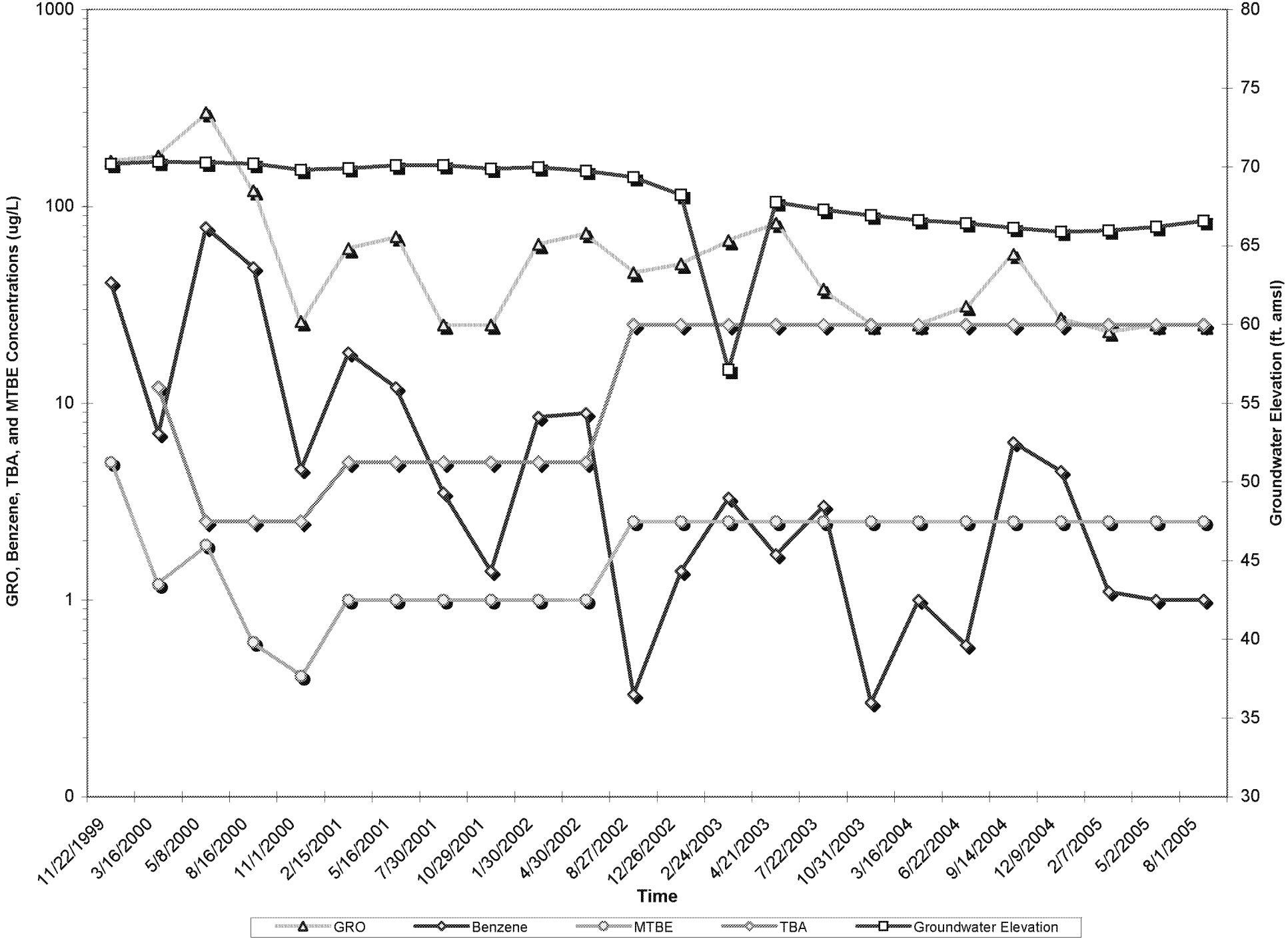
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-8 HYDROGRAPH



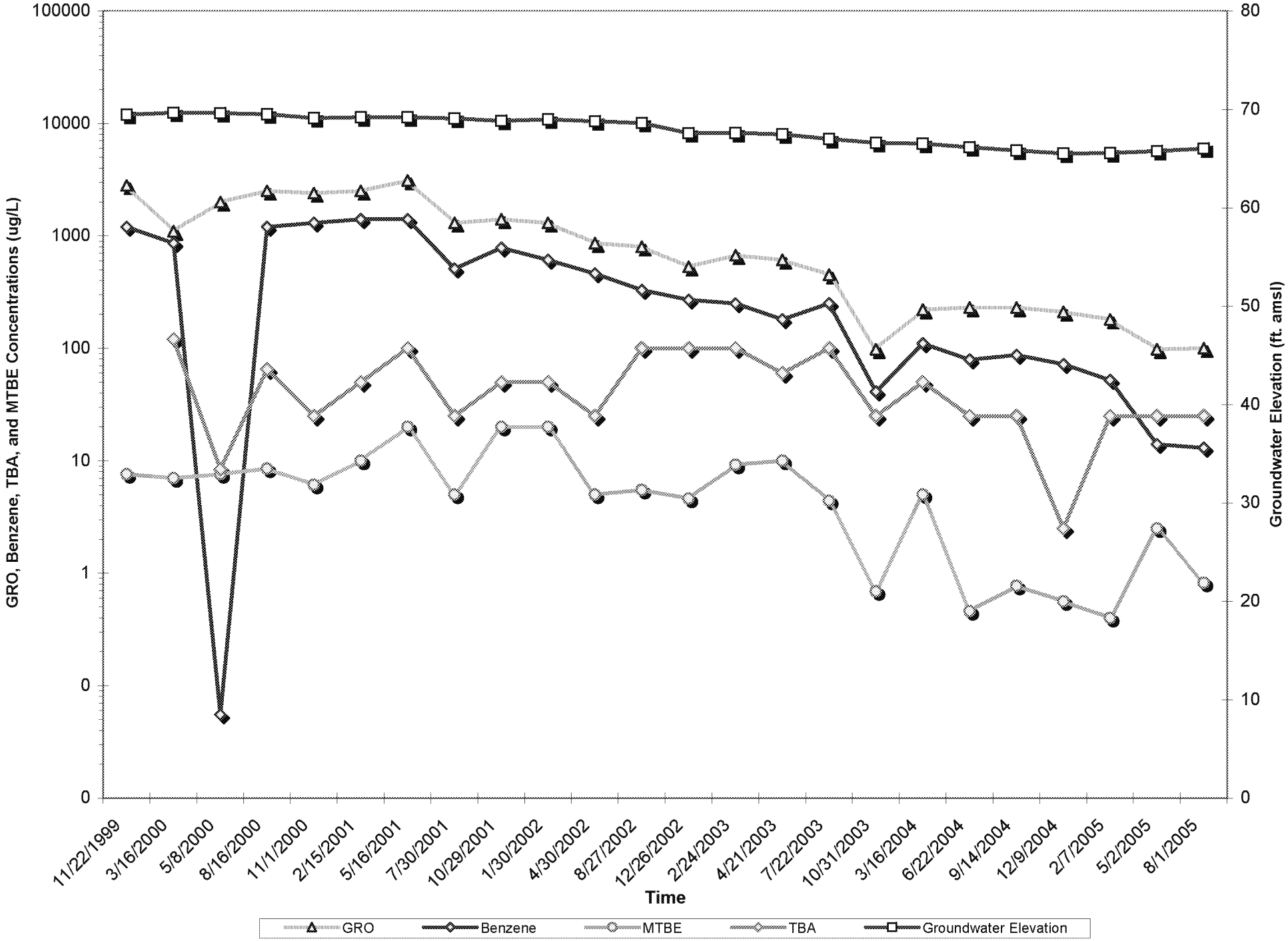
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-11 HYDROGRAPH



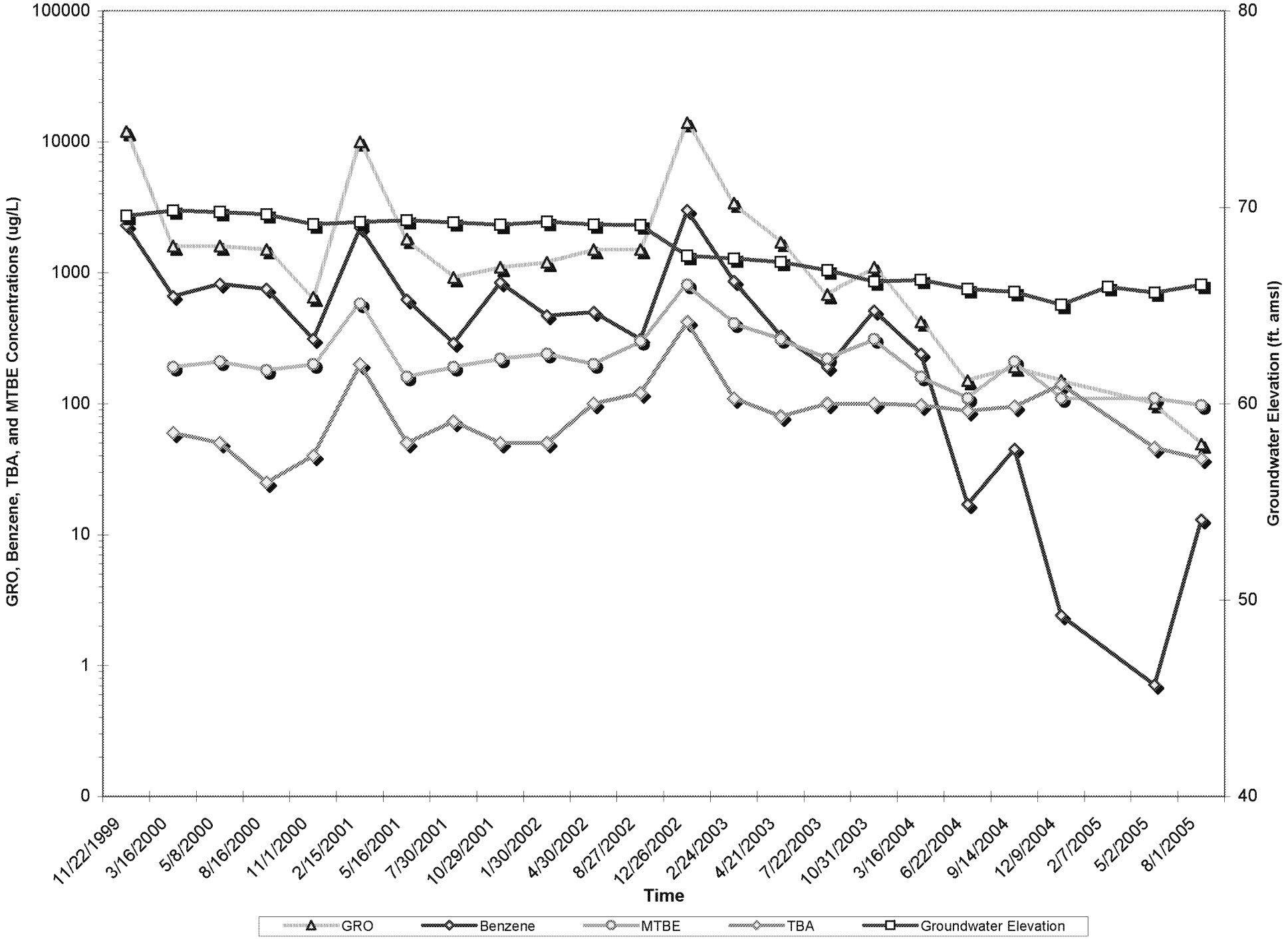
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-12 HYDROGRAPH



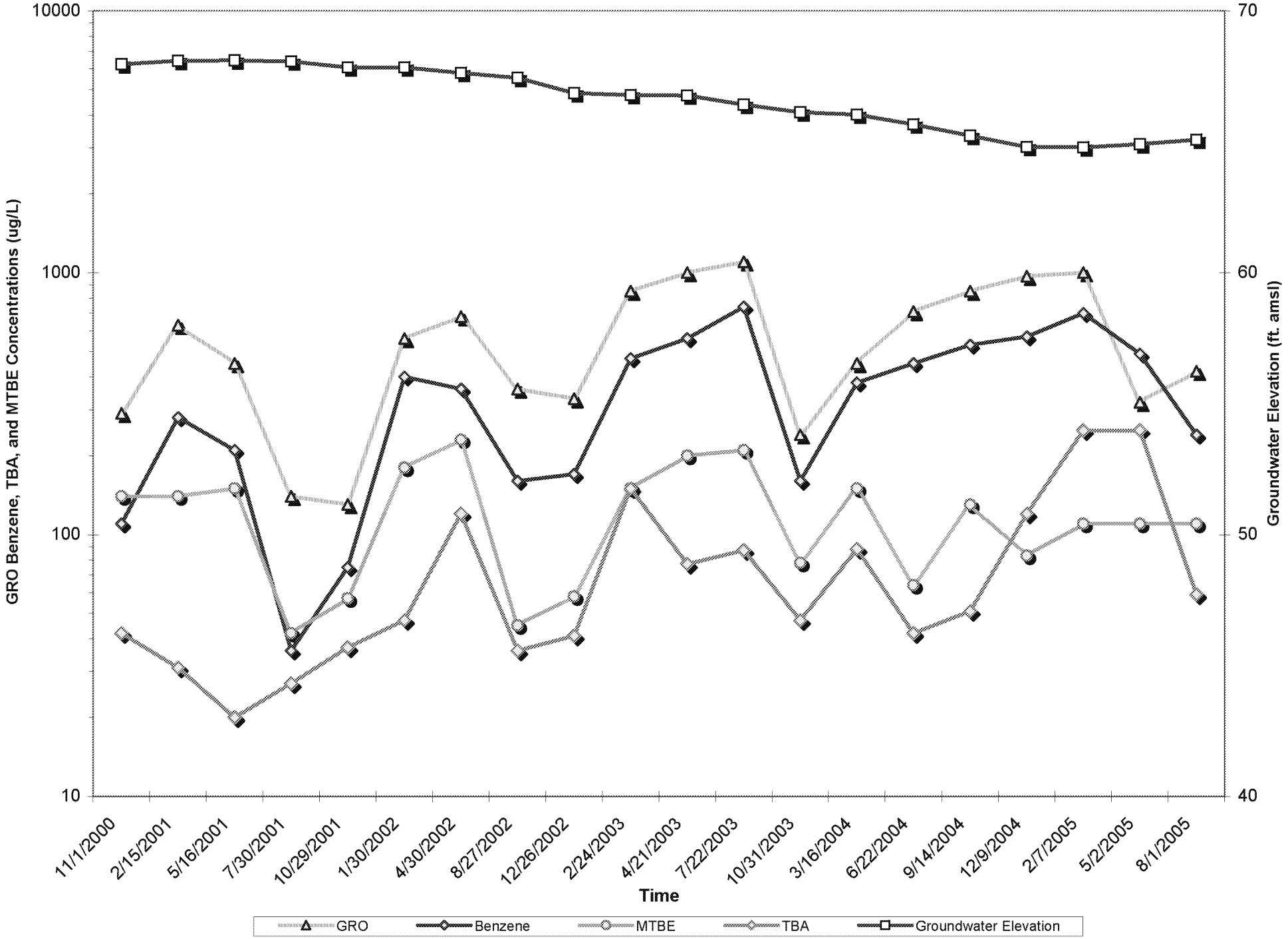
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-13 HYDROGRAPH



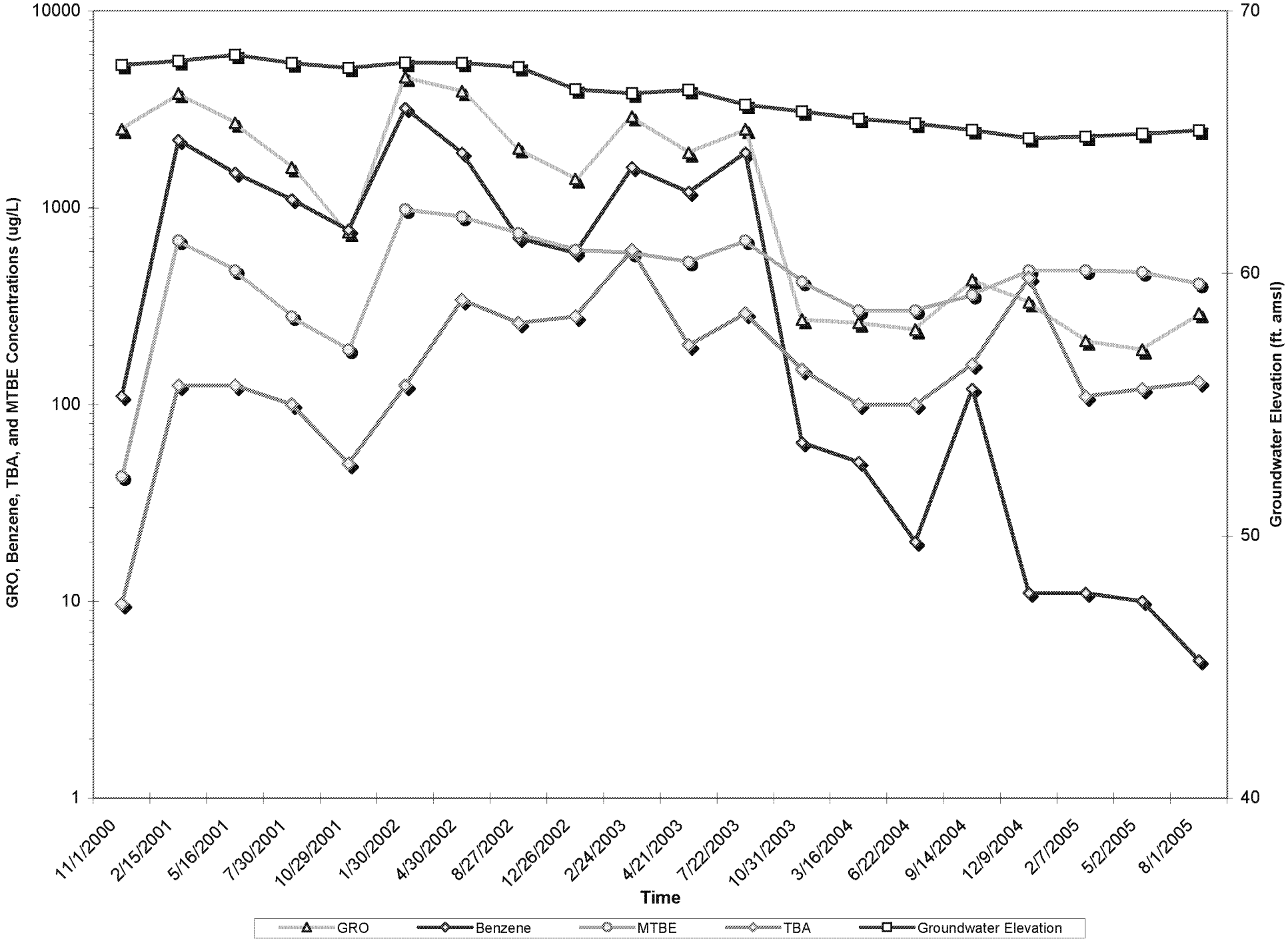
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-14 HYDROGRAPH



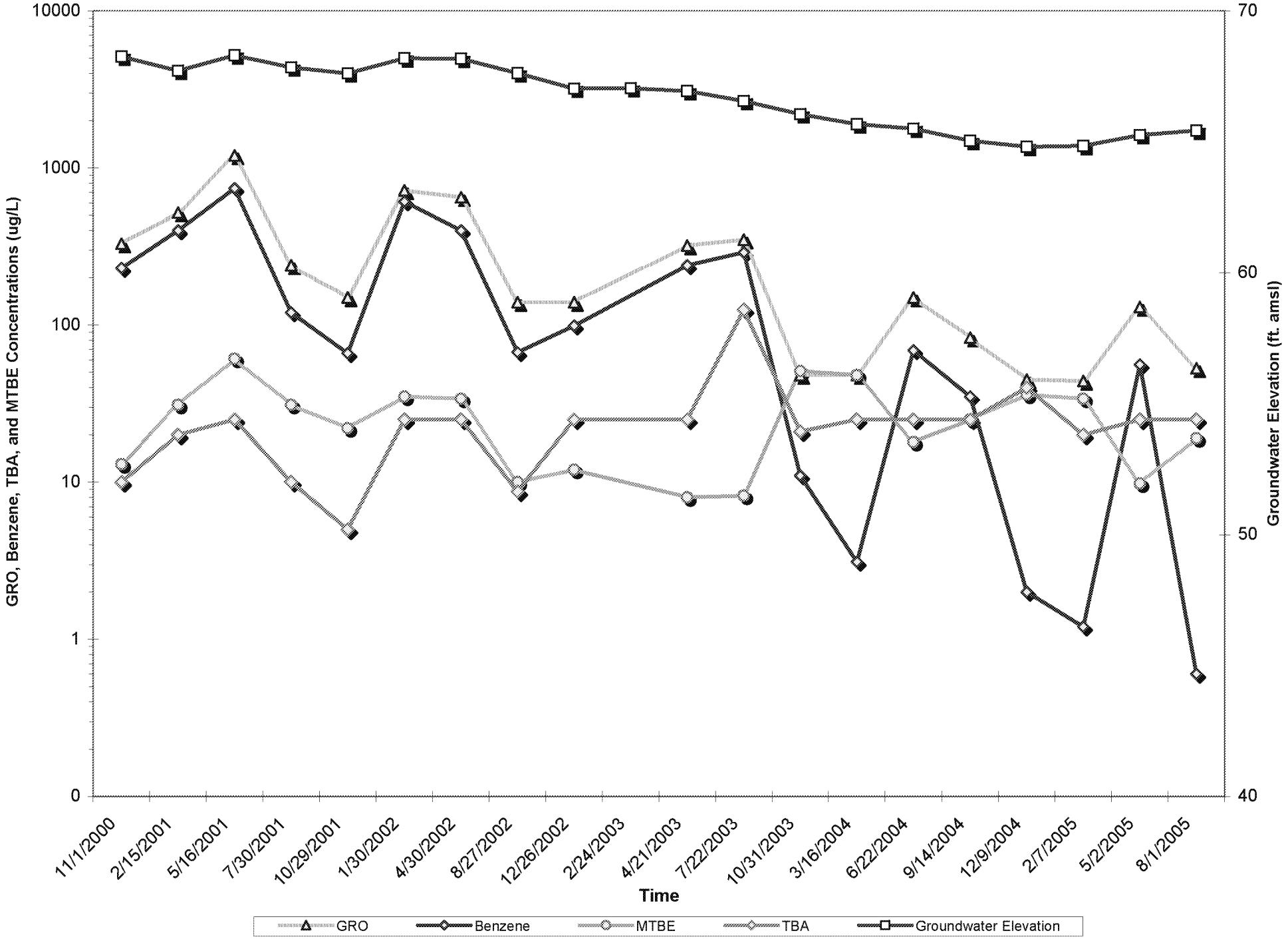
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-15 HYDROGRAPH



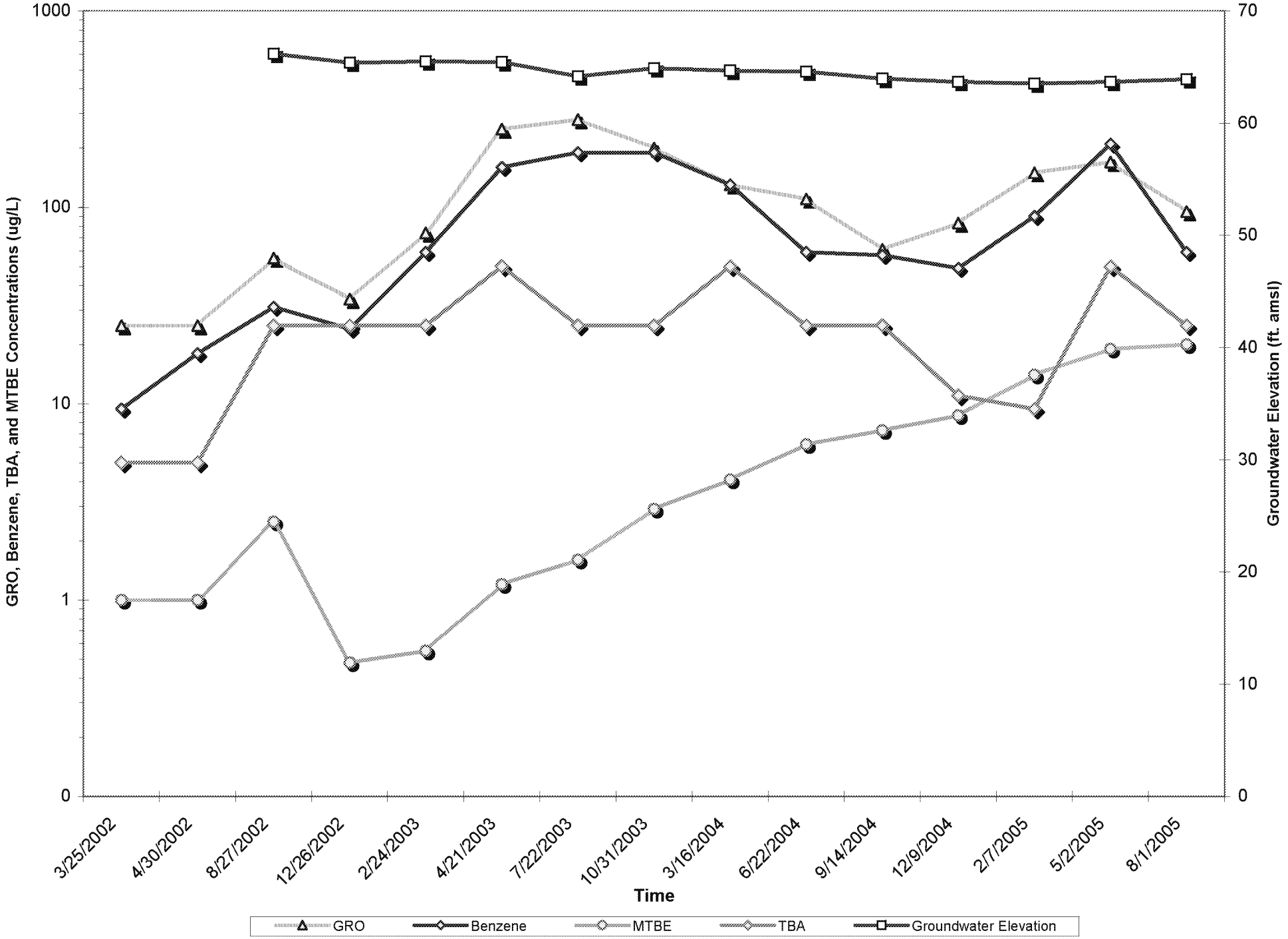
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-16 HYDROGRAPH



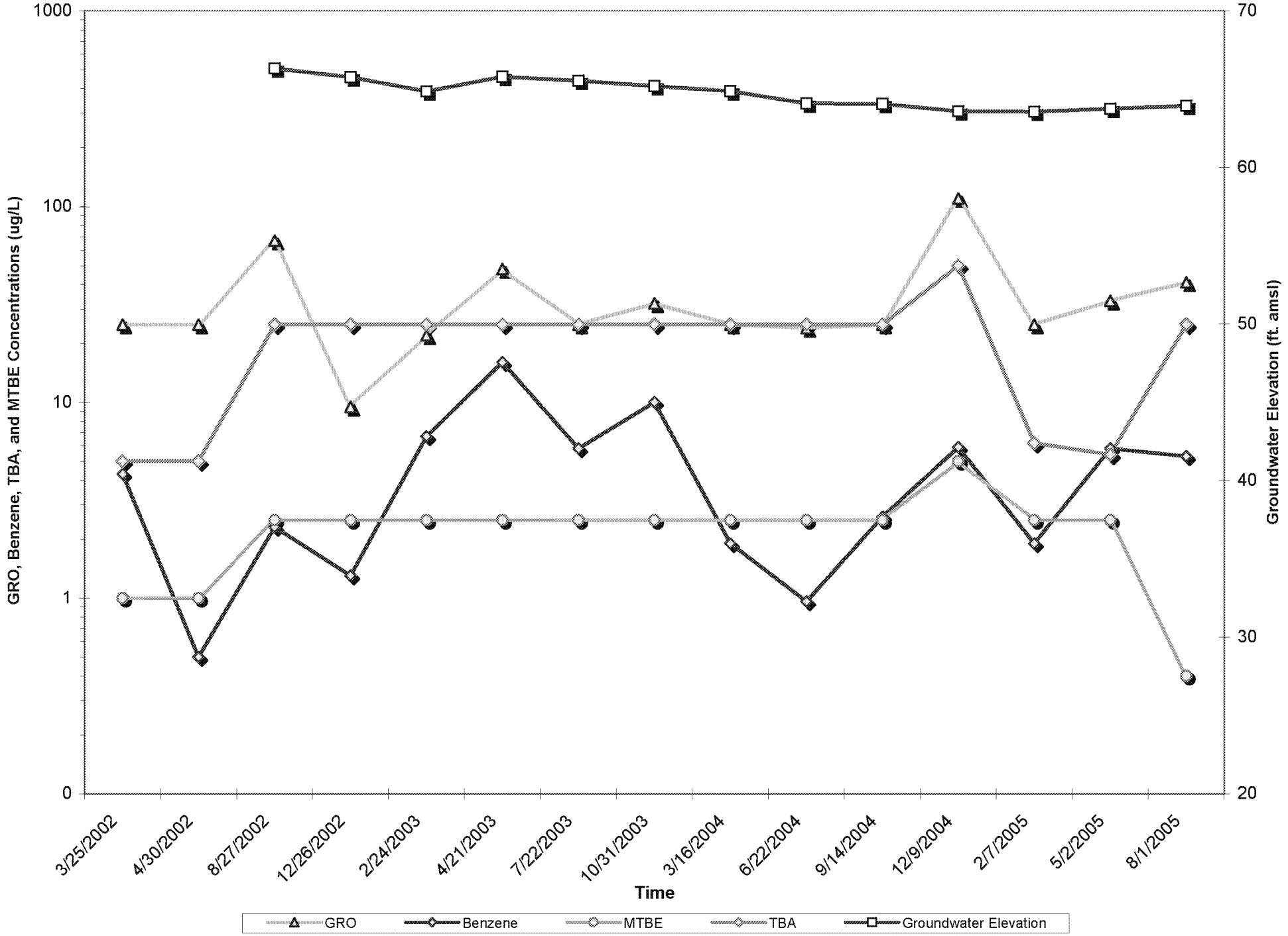
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-24 HYDROGRAPH



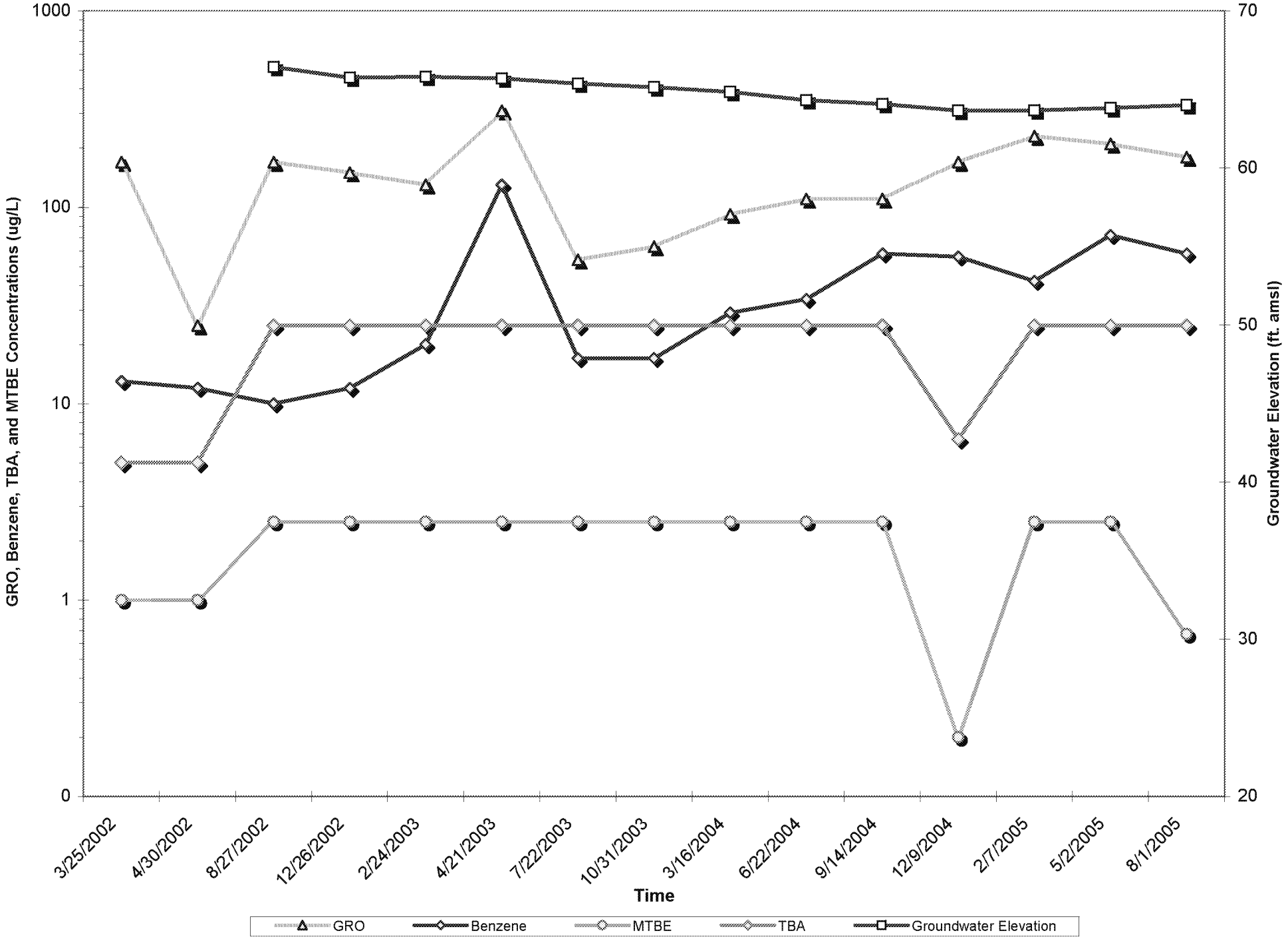
Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-25 HYDROGRAPH



Note: Non-detect (ND) graphed at one-half detection limits per US-EPA protocols. Refer to Table 7 for source data.

FORMER ARCO STATION NO. 1289
MW-26 HYDROGRAPH



Appendix B
Laboratory Report and Chain of Custody

Del Mar Analytical

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LABORATORY REPORT

Prepared For: SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project: ARCO 1289, South Gate

Sampled: 08/01/05
Received: 08/02/05
Issued: 08/16/05 16:43

NELAP #01108CA California ELAP#1197 CSDLAC #10117

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

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis. Results were qualified where the sample container did not meet the method preservation requirements.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
IOH0216-01	MW-7	Water
IOH0216-02	MW-11	Water
IOH0216-03	MW-12	Water
IOH0216-04	MW-13	Water
IOH0216-05	MW-14	Water
IOH0216-06	MW-15	Water
IOH0216-07	MW-16	Water
IOH0216-08	MW-24	Water
IOH0216-09	MW-25	Water
IOH0216-10	MW-26	Water

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

LABORATORY ID	CLIENT ID	MATRIX
IOH0216-11	DUP-1289-20050801	Water
IOH0216-12	TB-1289-20050801	Water

Reviewed By:

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015M)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0216-01 (MW-7 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09033	24	50	ND	1	08/09/05	08/09/05	
Surrogate: 4-BFB (FID) (65-140%)					*104 %*				
Sample ID: IOH0216-02 (MW-11 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09033	24	50	ND	1	08/09/05	08/09/05	
Surrogate: 4-BFB (FID) (65-140%)					*100 %*				
Sample ID: IOH0216-03 (MW-12 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09033	24	50	**91**	1	08/09/05	08/09/05	PV
Surrogate: 4-BFB (FID) (65-140%)					*102 %*				
Sample ID: IOH0216-04 (MW-13 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H05031	24	50	**49**	1	08/05/05	08/05/05	J,DX
Surrogate: 4-BFB (FID) (65-140%)					*97 %*				
Sample ID: IOH0216-05 (MW-14 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09033	24	50	**420**	1	08/09/05	08/09/05	PV
Surrogate: 4-BFB (FID) (65-140%)					*105 %*				
Sample ID: IOH0216-06 (MW-15 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09034	24	50	**290**	1	08/09/05	08/09/05	PV
Surrogate: 4-BFB (FID) (65-140%)					*130 %*				
Sample ID: IOH0216-07 (MW-16 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09034	24	50	**53**	1	08/09/05	08/09/05	
Surrogate: 4-BFB (FID) (65-140%)					*116 %*				
Sample ID: IOH0216-08 (MW-24 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09034	24	50	**95**	1	08/09/05	08/09/05	PV
Surrogate: 4-BFB (FID) (65-140%)					*116 %*				

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Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015M)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0216-09 (MW-25 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09034	24	50	**41**	1	08/09/05	08/09/05	J,DX
Surrogate: 4-BFB (FID) (65-140%)					*109 %*				
Sample ID: IOH0216-10 (MW-26 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09034	24	50	**180**	1	08/09/05	08/09/05	
Surrogate: 4-BFB (FID) (65-140%)					*117 %*				
Sample ID: IOH0216-11 (DUP-1289-20050801 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09034	24	50	**100**	1	08/09/05	08/09/05	
Surrogate: 4-BFB (FID) (65-140%)					*122 %*				
Sample ID: IOH0216-12 (TB-1289-20050801 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5H09034	24	50	ND	1	08/09/05	08/09/05	
Surrogate: 4-BFB (FID) (65-140%)					*118 %*				

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

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

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0216-01 (MW-7 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09005	0.28	2.0	**3.8**	1	08/09/05	08/09/05	
Ethylbenzene	EPA 8260B	5H09005	0.25	2.0	ND	1	08/09/05	08/09/05	
Toluene	EPA 8260B	5H09005	0.36	2.0	ND	1	08/09/05	08/09/05	
m,p-Xylenes	EPA 8260B	5H09005	0.52	2.0	ND	1	08/09/05	08/09/05	
o-Xylene	EPA 8260B	5H09005	0.24	2.0	ND	1	08/09/05	08/09/05	
Xylenes, Total	EPA 8260B	5H09005	0.52	4.0	ND	1	08/09/05	08/09/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09005	0.25	5.0	ND	1	08/09/05	08/09/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09005	0.28	5.0	ND	1	08/09/05	08/09/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09005	0.33	5.0	ND	1	08/09/05	08/09/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09005	0.32	5.0	**0.34**	1	08/09/05	08/09/05	J,DX
tert-Butanol (TBA)	EPA 8260B	5H09005	3.1	50	ND	1	08/09/05	08/09/05	
Ethanol	EPA 8260B	5H09005	100	150	ND	1	08/09/05	08/09/05	
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				
Sample ID: IOH0216-02 (MW-11 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09005	0.28	2.0	ND	1	08/09/05	08/09/05	
Ethylbenzene	EPA 8260B	5H09005	0.25	2.0	ND	1	08/09/05	08/09/05	
Toluene	EPA 8260B	5H09005	0.36	2.0	ND	1	08/09/05	08/09/05	
m,p-Xylenes	EPA 8260B	5H09005	0.52	2.0	ND	1	08/09/05	08/09/05	
o-Xylene	EPA 8260B	5H09005	0.24	2.0	ND	1	08/09/05	08/09/05	
Xylenes, Total	EPA 8260B	5H09005	0.52	4.0	ND	1	08/09/05	08/09/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09005	0.25	5.0	ND	1	08/09/05	08/09/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09005	0.28	5.0	ND	1	08/09/05	08/09/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09005	0.33	5.0	ND	1	08/09/05	08/09/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09005	0.32	5.0	ND	1	08/09/05	08/09/05	
tert-Butanol (TBA)	EPA 8260B	5H09005	3.1	50	ND	1	08/09/05	08/09/05	
Ethanol	EPA 8260B	5H09005	100	150	ND	1	08/09/05	08/09/05	
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*100 %*				

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

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

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0216-03 (MW-12 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09005	0.28	2.0	**13**	1	08/09/05	08/09/05	
Ethylbenzene	EPA 8260B	5H09005	0.25	2.0	ND	1	08/09/05	08/09/05	
Toluene	EPA 8260B	5H09005	0.36	2.0	ND	1	08/09/05	08/09/05	
m,p-Xylenes	EPA 8260B	5H09005	0.52	2.0	ND	1	08/09/05	08/09/05	
o-Xylene	EPA 8260B	5H09005	0.24	2.0	ND	1	08/09/05	08/09/05	
Xylenes, Total	EPA 8260B	5H09005	0.52	4.0	ND	1	08/09/05	08/09/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09005	0.25	5.0	**18**	1	08/09/05	08/09/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09005	0.28	5.0	ND	1	08/09/05	08/09/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09005	0.33	5.0	ND	1	08/09/05	08/09/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09005	0.32	5.0	**0.80**	1	08/09/05	08/09/05	J,DX
tert-Butanol (TBA)	EPA 8260B	5H09005	3.1	50	ND	1	08/09/05	08/09/05	
Ethanol	EPA 8260B	5H09005	100	150	ND	1	08/09/05	08/09/05	
Surrogate: Dibromofluoromethane (80-120%)					*101 %*				
Surrogate: Toluene-d8 (80-120%)					*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				
Sample ID: IOH0216-04 (MW-13 - Water)					**Sampled: 08/01/05**				**BZ**
Reporting Units: ug/l									
Benzene	EPA 8260B	5H04018	0.28	2.0	**0.38**	1	08/04/05	08/05/05	J,DX
Ethylbenzene	EPA 8260B	5H04018	0.25	2.0	ND	1	08/04/05	08/05/05	
Toluene	EPA 8260B	5H04018	0.36	2.0	ND	1	08/04/05	08/05/05	
m,p-Xylenes	EPA 8260B	5H04018	0.52	2.0	ND	1	08/04/05	08/05/05	
o-Xylene	EPA 8260B	5H04018	0.24	2.0	ND	1	08/04/05	08/05/05	
Xylenes, Total	EPA 8260B	5H04018	0.52	4.0	ND	1	08/04/05	08/05/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H04018	0.25	5.0	**0.26**	1	08/04/05	08/05/05	J,DX
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H04018	0.28	5.0	ND	1	08/04/05	08/05/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H04018	0.33	5.0	ND	1	08/04/05	08/05/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H04018	0.32	5.0	**97**	1	08/04/05	08/05/05	
tert-Butanol (TBA)	EPA 8260B	5H04018	3.1	50	**38**	1	08/04/05	08/05/05	J,DX
Ethanol	EPA 8260B	5H04018	100	150	ND	1	08/04/05	08/05/05	IO
Surrogate: Dibromofluoromethane (80-120%)					*89 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*92 %*				

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SECOR International, Inc.-Thousand Oaks
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Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

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

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0216-05 (MW-14 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09005	1.1	8.0	**240**	4	08/09/05	08/09/05	
Ethylbenzene	EPA 8260B	5H09005	1.0	8.0	ND	4	08/09/05	08/09/05	
Toluene	EPA 8260B	5H09005	1.4	8.0	ND	4	08/09/05	08/09/05	
m,p-Xylenes	EPA 8260B	5H09005	2.1	8.0	ND	4	08/09/05	08/09/05	
o-Xylene	EPA 8260B	5H09005	0.96	8.0	ND	4	08/09/05	08/09/05	
Xylenes, Total	EPA 8260B	5H09005	2.1	16	ND	4	08/09/05	08/09/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09005	1.0	20	**1.7**	4	08/09/05	08/09/05	J,DX
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09005	1.1	20	ND	4	08/09/05	08/09/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09005	1.3	20	ND	4	08/09/05	08/09/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09005	1.3	20	**110**	4	08/09/05	08/09/05	
tert-Butanol (TBA)	EPA 8260B	5H09005	12	200	**59**	4	08/09/05	08/09/05	ID, J,DX
Ethanol	EPA 8260B	5H09005	400	600	ND	4	08/09/05	08/09/05	
Surrogate: Dibromofluoromethane (80-120%)					*101 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*97 %*				
Sample ID: IOH0216-06 (MW-15 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09019	1.4	10	ND	5	08/09/05	08/10/05	
Ethylbenzene	EPA 8260B	5H09019	1.2	10	ND	5	08/09/05	08/10/05	
Toluene	EPA 8260B	5H09019	1.8	10	ND	5	08/09/05	08/10/05	
m,p-Xylenes	EPA 8260B	5H09019	2.6	10	ND	5	08/09/05	08/10/05	
o-Xylene	EPA 8260B	5H09019	1.2	10	ND	5	08/09/05	08/10/05	
Xylenes, Total	EPA 8260B	5H09019	2.6	20	ND	5	08/09/05	08/10/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09019	1.2	25	ND	5	08/09/05	08/10/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09019	1.4	25	ND	5	08/09/05	08/10/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09019	1.6	25	ND	5	08/09/05	08/10/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09019	1.6	25	**410**	5	08/09/05	08/10/05	
tert-Butanol (TBA)	EPA 8260B	5H09019	16	250	**130**	5	08/09/05	08/10/05	J,DX
Ethanol	EPA 8260B	5H09019	500	750	ND	5	08/09/05	08/10/05	
Surrogate: Dibromofluoromethane (80-120%)					*107 %*				
Surrogate: Toluene-d8 (80-120%)					*107 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				

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Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

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

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0216-07 (MW-16 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09005	0.28	2.0	**0.60**	1	08/09/05	08/09/05	J,DX
Ethylbenzene	EPA 8260B	5H09005	0.25	2.0	ND	1	08/09/05	08/09/05	
Toluene	EPA 8260B	5H09005	0.36	2.0	ND	1	08/09/05	08/09/05	
m,p-Xylenes	EPA 8260B	5H09005	0.52	2.0	ND	1	08/09/05	08/09/05	
o-Xylene	EPA 8260B	5H09005	0.24	2.0	ND	1	08/09/05	08/09/05	
Xylenes, Total	EPA 8260B	5H09005	0.52	4.0	ND	1	08/09/05	08/09/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09005	0.25	5.0	ND	1	08/09/05	08/09/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09005	0.28	5.0	ND	1	08/09/05	08/09/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09005	0.33	5.0	ND	1	08/09/05	08/09/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09005	0.32	5.0	**19**	1	08/09/05	08/09/05	
tert-Butanol (TBA)	EPA 8260B	5H09005	3.1	50	ND	1	08/09/05	08/09/05	
Ethanol	EPA 8260B	5H09005	100	150	ND	1	08/09/05	08/09/05	
Surrogate: Dibromofluoromethane (80-120%)					*103 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				
Sample ID: IOH0216-08 (MW-24 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09019	0.28	2.0	**59**	1	08/09/05	08/10/05	
Ethylbenzene	EPA 8260B	5H09019	0.25	2.0	ND	1	08/09/05	08/10/05	
Toluene	EPA 8260B	5H09019	0.36	2.0	ND	1	08/09/05	08/10/05	
m,p-Xylenes	EPA 8260B	5H09019	0.52	2.0	ND	1	08/09/05	08/10/05	
o-Xylene	EPA 8260B	5H09019	0.24	2.0	ND	1	08/09/05	08/10/05	
Xylenes, Total	EPA 8260B	5H09019	0.52	4.0	ND	1	08/09/05	08/10/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09019	0.25	5.0	ND	1	08/09/05	08/10/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09019	0.28	5.0	ND	1	08/09/05	08/10/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09019	0.33	5.0	ND	1	08/09/05	08/10/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09019	0.32	5.0	**20**	1	08/09/05	08/10/05	
tert-Butanol (TBA)	EPA 8260B	5H09019	3.1	50	ND	1	08/09/05	08/10/05	
Ethanol	EPA 8260B	5H09019	100	150	ND	1	08/09/05	08/10/05	
Surrogate: Dibromofluoromethane (80-120%)					*109 %*				
Surrogate: Toluene-d8 (80-120%)					*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*98 %*				

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Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

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

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0216-09 (MW-25 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09005	0.28	2.0	**5.3**	1	08/09/05	08/09/05	
Ethylbenzene	EPA 8260B	5H09005	0.25	2.0	ND	1	08/09/05	08/09/05	
Toluene	EPA 8260B	5H09005	0.36	2.0	ND	1	08/09/05	08/09/05	
m,p-Xylenes	EPA 8260B	5H09005	0.52	2.0	ND	1	08/09/05	08/09/05	
o-Xylene	EPA 8260B	5H09005	0.24	2.0	ND	1	08/09/05	08/09/05	
Xylenes, Total	EPA 8260B	5H09005	0.52	4.0	ND	1	08/09/05	08/09/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09005	0.25	5.0	ND	1	08/09/05	08/09/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09005	0.28	5.0	ND	1	08/09/05	08/09/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09005	0.33	5.0	ND	1	08/09/05	08/09/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09005	0.32	5.0	**0.40**	1	08/09/05	08/09/05	J,DX
tert-Butanol (TBA)	EPA 8260B	5H09005	3.1	50	ND	1	08/09/05	08/09/05	
Ethanol	EPA 8260B	5H09005	100	150	ND	1	08/09/05	08/09/05	
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*98 %*				
Sample ID: IOH0216-10 (MW-26 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09005	0.28	2.0	**58**	1	08/09/05	08/09/05	
Ethylbenzene	EPA 8260B	5H09005	0.25	2.0	ND	1	08/09/05	08/09/05	
Toluene	EPA 8260B	5H09005	0.36	2.0	**0.37**	1	08/09/05	08/09/05	J,DX
m,p-Xylenes	EPA 8260B	5H09005	0.52	2.0	ND	1	08/09/05	08/09/05	
o-Xylene	EPA 8260B	5H09005	0.24	2.0	ND	1	08/09/05	08/09/05	
Xylenes, Total	EPA 8260B	5H09005	0.52	4.0	ND	1	08/09/05	08/09/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09005	0.25	5.0	**19**	1	08/09/05	08/09/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09005	0.28	5.0	ND	1	08/09/05	08/09/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09005	0.33	5.0	ND	1	08/09/05	08/09/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09005	0.32	5.0	**0.67**	1	08/09/05	08/09/05	J,DX
tert-Butanol (TBA)	EPA 8260B	5H09005	3.1	50	ND	1	08/09/05	08/09/05	
Ethanol	EPA 8260B	5H09005	100	150	ND	1	08/09/05	08/09/05	
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				

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Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

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

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0216-11 (DUP-1289-20050801 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09005	0.28	2.0	**13**	1	08/09/05	08/09/05	
Ethylbenzene	EPA 8260B	5H09005	0.25	2.0	ND	1	08/09/05	08/09/05	
Toluene	EPA 8260B	5H09005	0.36	2.0	ND	1	08/09/05	08/09/05	
m,p-Xylenes	EPA 8260B	5H09005	0.52	2.0	ND	1	08/09/05	08/09/05	
o-Xylene	EPA 8260B	5H09005	0.24	2.0	ND	1	08/09/05	08/09/05	
Xylenes, Total	EPA 8260B	5H09005	0.52	4.0	ND	1	08/09/05	08/09/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09005	0.25	5.0	**18**	1	08/09/05	08/09/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09005	0.28	5.0	ND	1	08/09/05	08/09/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09005	0.33	5.0	ND	1	08/09/05	08/09/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09005	0.32	5.0	**0.82**	1	08/09/05	08/09/05	J,DX
tert-Butanol (TBA)	EPA 8260B	5H09005	3.1	50	ND	1	08/09/05	08/09/05	
Ethanol	EPA 8260B	5H09005	100	150	ND	1	08/09/05	08/09/05	
Surrogate: Dibromofluoromethane (80-120%)					*103 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*98 %*				
Sample ID: IOH0216-12 (TB-1289-20050801 - Water)					**Sampled: 08/01/05**				
Reporting Units: ug/l									
Benzene	EPA 8260B	5H09005	0.28	2.0	ND	1	08/09/05	08/09/05	
Ethylbenzene	EPA 8260B	5H09005	0.25	2.0	ND	1	08/09/05	08/09/05	
Toluene	EPA 8260B	5H09005	0.36	2.0	ND	1	08/09/05	08/09/05	
m,p-Xylenes	EPA 8260B	5H09005	0.52	2.0	ND	1	08/09/05	08/09/05	
o-Xylene	EPA 8260B	5H09005	0.24	2.0	ND	1	08/09/05	08/09/05	
Xylenes, Total	EPA 8260B	5H09005	0.52	4.0	ND	1	08/09/05	08/09/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5H09005	0.25	5.0	ND	1	08/09/05	08/09/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5H09005	0.28	5.0	ND	1	08/09/05	08/09/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5H09005	0.33	5.0	ND	1	08/09/05	08/09/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5H09005	0.32	5.0	ND	1	08/09/05	08/09/05	
tert-Butanol (TBA)	EPA 8260B	5H09005	3.1	50	ND	1	08/09/05	08/09/05	
Ethanol	EPA 8260B	5H09005	100	150	ND	1	08/09/05	08/09/05	
Surrogate: Dibromofluoromethane (80-120%)					*96 %*				
Surrogate: Toluene-d8 (80-120%)					*97 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*93 %*				

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Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015M)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H05031 Extracted: 08/05/05											
Blank Analyzed: 08/05/2005 (5H05031-BLK1)											
GRO (C4 - C12)	ND	50	24	ug/l							
Surrogate: 4-BFB (FID)	*9.53*			*ug/l*	*10.0*		*95*	*65-140*			
LCS Analyzed: 08/05/2005 (5H05031-BS1)											
GRO (C4 - C12)	803	50	24	ug/l	800		100	65-140			
Surrogate: 4-BFB (FID)	*33.2*			*ug/l*	*30.0*		*111*	*65-140*			
Matrix Spike Analyzed: 08/05/2005 (5H05031-MS1)						**Source: IOH0216-04**					
GRO (C4 - C12)	248	50	24	ug/l	220	49	90	60-145			
Surrogate: 4-BFB (FID)	*9.25*			*ug/l*	*10.0*		*92*	*65-140*			
Matrix Spike Dup Analyzed: 08/05/2005 (5H05031-MSD1)						**Source: IOH0216-04**					
GRO (C4 - C12)	275	50	24	ug/l	220	49	103	60-145	10	20	
Surrogate: 4-BFB (FID)	*10.4*			*ug/l*	*10.0*		*104*	*65-140*			
Batch: 5H09033 Extracted: 08/09/05											
Blank Analyzed: 08/09/2005 (5H09033-BLK1)											
GRO (C4 - C12)	ND	50	24	ug/l							
Surrogate: 4-BFB (FID)	*10.6*			*ug/l*	*10.0*		*106*	*65-140*			
LCS Analyzed: 08/09/2005 (5H09033-BS1)											
GRO (C4 - C12)	816	50	24	ug/l	800		102	65-140			
Surrogate: 4-BFB (FID)	*32.2*			*ug/l*	*30.0*		*107*	*65-140*			
Matrix Spike Analyzed: 08/09/2005 (5H09033-MS1)						**Source: IOH0216-02**					
GRO (C4 - C12)	252	50	24	ug/l	220	ND	115	60-145			
Surrogate: 4-BFB (FID)	*11.6*			*ug/l*	*10.0*		*116*	*65-140*			

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Sampled: 08/01/05
Received: 08/02/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS (EPA 5030/8015M)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H09033 Extracted: 08/09/05											
Matrix Spike Dup Analyzed: 08/09/2005 (5H09033-MSD1)						**Source: IOH0216-02**					
GRO (C4 - C12)	241	50	24	ug/l	220	ND	110	60-145	4	20	
Surrogate: 4-BFB (FID)	*11.1*			*ug/l*	*10.0*		*111*	*65-140*			
Batch: 5H09034 Extracted: 08/09/05											
Blank Analyzed: 08/09/2005 (5H09034-BLK1)											
GRO (C4 - C12)	ND	50	24	ug/l							
Surrogate: 4-BFB (FID)	*11.6*			*ug/l*	*10.0*		*116*	*65-140*			
LCS Analyzed: 08/09/2005 (5H09034-BS1)											
GRO (C4 - C12)	792	50	24	ug/l	800		99	65-140			
Surrogate: 4-BFB (FID)	*36.9*			*ug/l*	*30.0*		*123*	*65-140*			
Matrix Spike Analyzed: 08/09/2005 (5H09034-MS1)						**Source: IOH0216-09**					
GRO (C4 - C12)	290	50	24	ug/l	220	41	113	60-145			
Surrogate: 4-BFB (FID)	*13.2*			*ug/l*	*10.0*		*132*	*65-140*			
Matrix Spike Dup Analyzed: 08/09/2005 (5H09034-MSD1)						**Source: IOH0216-09**					
GRO (C4 - C12)	313	50	24	ug/l	220	41	124	60-145	8	20	
Surrogate: 4-BFB (FID)	*13.4*			*ug/l*	*10.0*		*134*	*65-140*			

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Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H04018 Extracted: 08/04/05											
Blank Analyzed: 08/04/2005 (5H04018-BLK1)											
Benzene	ND	2.0	0.28	ug/l							
Ethylbenzene	ND	2.0	0.25	ug/l							
Toluene	ND	2.0	0.36	ug/l							
m,p-Xylenes	ND	2.0	0.52	ug/l							
o-Xylene	ND	2.0	0.24	ug/l							
Xylenes, Total	ND	4.0	0.52	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	0.25	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.28	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.33	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
tert-Butanol (TBA)	ND	50	3.1	ug/l							
Ethanol	ND	150	100	ug/l							
Surrogate: Dibromofluoromethane	*22.0*			*ug/l*	*25.0*		*88*	*80-120*			
Surrogate: Toluene-d8	*24.9*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*22.6*			*ug/l*	*25.0*		*90*	*80-120*			
LCS Analyzed: 08/04/2005 (5H04018-BS1)											
Benzene	22.9	2.0	0.28	ug/l	25.0		92	65-120			
Ethylbenzene	22.8	2.0	0.25	ug/l	25.0		91	70-125			
Toluene	24.8	2.0	0.36	ug/l	25.0		99	70-125			
m,p-Xylenes	43.9	2.0	0.52	ug/l	50.0		88	70-125			
o-Xylene	22.0	2.0	0.24	ug/l	25.0		88	70-125			
Xylenes, Total	65.8	4.0	0.52	ug/l	75.0		88	70-125			
Di-isopropyl Ether (DIPE)	20.3	5.0	0.25	ug/l	25.0		81	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.8	5.0	0.28	ug/l	25.0		91	60-135			
tert-Amyl Methyl Ether (TAME)	27.7	5.0	0.33	ug/l	25.0		111	60-135			
Methyl-tert-butyl Ether (MTBE)	26.7	5.0	0.32	ug/l	25.0		107	55-140			
tert-Butanol (TBA)	112	50	3.1	ug/l	125		90	65-135			
Ethanol	ND	150	100	ug/l	250			35-160			
Surrogate: Dibromofluoromethane	*22.9*			*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*25.4*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.3*			*ug/l*	*25.0*		*93*	*80-120*			

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Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H04018 Extracted: 08/04/05											
Matrix Spike Analyzed: 08/04/2005 (5H04018-MS1)					**Source: IOG2020-05**						
Benzene	23.8	2.0	0.28	ug/l	25.0	ND	95	60-125			
Ethylbenzene	24.9	2.0	0.25	ug/l	25.0	ND	100	65-130			
Toluene	25.3	2.0	0.36	ug/l	25.0	ND	101	65-125			
m,p-Xylenes	48.2	2.0	0.52	ug/l	50.0	ND	96	60-130			
o-Xylene	24.0	2.0	0.24	ug/l	25.0	ND	96	60-125			
Xylenes, Total	72.2	4.0	0.52	ug/l	75.0	ND	96	60-130			
Di-isopropyl Ether (DIPE)	19.4	5.0	0.25	ug/l	25.0	ND	78	60-140			
Ethyl tert-Butyl Ether (ETBE)	19.7	5.0	0.28	ug/l	25.0	ND	79	55-135			
tert-Amyl Methyl Ether (TAME)	22.5	5.0	0.33	ug/l	25.0	ND	90	55-140			
Methyl-tert-butyl Ether (MTBE)	20.5	5.0	0.32	ug/l	25.0	ND	82	50-150			
tert-Butanol (TBA)	112	50	3.1	ug/l	125	ND	90	60-145			
Ethanol	181	150	100	ug/l	250	ND	72	35-160			
Surrogate: Dibromofluoromethane	*22.3*			*ug/l*	*25.0*		*89*	*80-120*			
Surrogate: Toluene-d8	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.3*			*ug/l*	*25.0*		*93*	*80-120*			
Matrix Spike Dup Analyzed: 08/04/2005 (5H04018-MSD1)					**Source: IOG2020-05**						
Benzene	23.8	2.0	0.28	ug/l	25.0	ND	95	60-125	0	20	
Ethylbenzene	23.6	2.0	0.25	ug/l	25.0	ND	94	65-130	5	20	
Toluene	25.4	2.0	0.36	ug/l	25.0	ND	102	65-125	0	20	
m,p-Xylenes	44.8	2.0	0.52	ug/l	50.0	ND	90	60-130	7	25	
o-Xylene	22.2	2.0	0.24	ug/l	25.0	ND	89	60-125	8	20	
Xylenes, Total	67.0	4.0	0.52	ug/l	75.0	ND	89	60-130	7	20	
Di-isopropyl Ether (DIPE)	20.3	5.0	0.25	ug/l	25.0	ND	81	60-140	5	25	
Ethyl tert-Butyl Ether (ETBE)	22.0	5.0	0.28	ug/l	25.0	ND	88	55-135	11	25	
tert-Amyl Methyl Ether (TAME)	26.1	5.0	0.33	ug/l	25.0	ND	104	55-140	15	30	
Methyl-tert-butyl Ether (MTBE)	24.5	5.0	0.32	ug/l	25.0	ND	98	50-150	18	25	
tert-Butanol (TBA)	113	50	3.1	ug/l	125	ND	90	60-145	1	25	
Ethanol	199	150	100	ug/l	250	ND	80	35-160	9	30	
Surrogate: Dibromofluoromethane	*22.9*			*ug/l*	*25.0*		*92*	*80-120*			
Surrogate: Toluene-d8	*25.4*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.0*			*ug/l*	*25.0*		*92*	*80-120*			

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METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H09005 Extracted: 08/09/05											
Blank Analyzed: 08/09/2005 (5H09005-BLK1)											
Benzene	ND	2.0	0.28	ug/l							
Ethylbenzene	ND	2.0	0.25	ug/l							
Toluene	ND	2.0	0.36	ug/l							
m,p-Xylenes	ND	2.0	0.52	ug/l							
o-Xylene	ND	2.0	0.24	ug/l							
Xylenes, Total	ND	4.0	0.52	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	0.25	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.28	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.33	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
tert-Butanol (TBA)	ND	50	3.1	ug/l							
Ethanol	ND	150	100	ug/l							
Surrogate: Dibromofluoromethane	*25.3*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			
LCS Analyzed: 08/09/2005 (5H09005-BS1)											
Benzene	25.0	2.0	0.28	ug/l	25.0		100	65-120			
Ethylbenzene	26.8	2.0	0.25	ug/l	25.0		107	70-125			
Toluene	25.7	2.0	0.36	ug/l	25.0		103	70-125			
m,p-Xylenes	51.1	2.0	0.52	ug/l	50.0		102	70-125			
o-Xylene	25.3	2.0	0.24	ug/l	25.0		101	70-125			
Xylenes, Total	76.4	4.0	0.52	ug/l	75.0		102	70-125			
Di-isopropyl Ether (DIPE)	24.4	5.0	0.25	ug/l	25.0		98	60-135			
Ethyl tert-Butyl Ether (ETBE)	22.8	5.0	0.28	ug/l	25.0		91	60-135			
tert-Amyl Methyl Ether (TAME)	23.0	5.0	0.33	ug/l	25.0		92	60-135			
Methyl-tert-butyl Ether (MTBE)	22.5	5.0	0.32	ug/l	25.0		90	55-140			
tert-Butanol (TBA)	131	50	3.1	ug/l	125		105	65-135			
Ethanol	250	150	100	ug/l	250		100	35-160			
Surrogate: Dibromofluoromethane	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*24.8*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*			*ug/l*	*25.0*		*99*	*80-120*			

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H09005 Extracted: 08/09/05											
Matrix Spike Analyzed: 08/09/2005 (5H09005-MS1)						**Source: IOH0216-01**					
Benzene	31.7	2.0	0.28	ug/l	25.0	3.8	112	60-125			
Ethylbenzene	28.9	2.0	0.25	ug/l	25.0	ND	116	65-130			
Toluene	29.2	2.0	0.36	ug/l	25.0	ND	117	65-125			
m,p-Xylenes	56.4	2.0	0.52	ug/l	50.0	ND	113	60-130			
o-Xylene	27.8	2.0	0.24	ug/l	25.0	ND	111	60-125			
Xylenes, Total	84.2	4.0	0.52	ug/l	75.0	ND	112	60-130			
Di-isopropyl Ether (DIPE)	29.2	5.0	0.25	ug/l	25.0	ND	117	60-140			
Ethyl tert-Butyl Ether (ETBE)	28.6	5.0	0.28	ug/l	25.0	ND	114	55-135			
tert-Amyl Methyl Ether (TAME)	29.8	5.0	0.33	ug/l	25.0	ND	119	55-140			
Methyl-tert-butyl Ether (MTBE)	29.6	5.0	0.32	ug/l	25.0	0.34	117	50-150			
tert-Butanol (TBA)	164	50	3.1	ug/l	125	ND	131	60-145			
Ethanol	302	150	100	ug/l	250	ND	121	35-160			
Surrogate: Dibromofluoromethane	*25.6*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*24.9*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*			*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 08/09/2005 (5H09005-MSD1)						**Source: IOH0216-01**					
Benzene	30.2	2.0	0.28	ug/l	25.0	3.8	106	60-125	5	20	
Ethylbenzene	27.7	2.0	0.25	ug/l	25.0	ND	111	65-130	4	20	
Toluene	28.0	2.0	0.36	ug/l	25.0	ND	112	65-125	4	20	
m,p-Xylenes	54.5	2.0	0.52	ug/l	50.0	ND	109	60-130	3	25	
o-Xylene	26.7	2.0	0.24	ug/l	25.0	ND	107	60-125	4	20	
Xylenes, Total	81.3	4.0	0.52	ug/l	75.0	ND	108	60-130	4	20	
Di-isopropyl Ether (DIPE)	28.5	5.0	0.25	ug/l	25.0	ND	114	60-140	2	25	
Ethyl tert-Butyl Ether (ETBE)	28.2	5.0	0.28	ug/l	25.0	ND	113	55-135	1	25	
tert-Amyl Methyl Ether (TAME)	30.4	5.0	0.33	ug/l	25.0	ND	122	55-140	2	30	
Methyl-tert-butyl Ether (MTBE)	30.7	5.0	0.32	ug/l	25.0	0.34	121	50-150	4	25	
tert-Butanol (TBA)	161	50	3.1	ug/l	125	ND	129	60-145	2	25	
Ethanol	276	150	100	ug/l	250	ND	110	35-160	9	30	
Surrogate: Dibromofluoromethane	*25.7*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H09019 Extracted: 08/09/05											
Blank Analyzed: 08/09/2005 (5H09019-BLK1)											
Benzene	ND	2.0	0.28	ug/l							
Ethylbenzene	ND	2.0	0.25	ug/l							
Toluene	ND	2.0	0.36	ug/l							
m,p-Xylenes	ND	2.0	0.52	ug/l							
o-Xylene	ND	2.0	0.24	ug/l							
Xylenes, Total	ND	4.0	0.52	ug/l							
Di-isopropyl Ether (DIPE)	ND	5.0	0.25	ug/l							
Ethyl tert-Butyl Ether (ETBE)	ND	5.0	0.28	ug/l							
tert-Amyl Methyl Ether (TAME)	ND	5.0	0.33	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	0.32	ug/l							
tert-Butanol (TBA)	ND	50	3.1	ug/l							
Ethanol	ND	150	100	ug/l							
Surrogate: Dibromofluoromethane	*26.9*			*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.4*			*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.5*			*ug/l*	*25.0*		*102*	*80-120*			
LCS Analyzed: 08/09/2005 (5H09019-BS1)											
Benzene	25.8	2.0	0.28	ug/l	25.0		103	65-120			
Ethylbenzene	25.7	2.0	0.25	ug/l	25.0		103	70-125			
Toluene	23.2	2.0	0.36	ug/l	25.0		93	70-125			
m,p-Xylenes	50.8	2.0	0.52	ug/l	50.0		102	70-125			
o-Xylene	25.1	2.0	0.24	ug/l	25.0		100	70-125			
Xylenes, Total	75.8	4.0	0.52	ug/l	75.0		101	70-125			
Di-isopropyl Ether (DIPE)	25.3	5.0	0.25	ug/l	25.0		101	60-135			
Ethyl tert-Butyl Ether (ETBE)	24.4	5.0	0.28	ug/l	25.0		98	60-135			
tert-Amyl Methyl Ether (TAME)	25.7	5.0	0.33	ug/l	25.0		103	60-135			
Methyl-tert-butyl Ether (MTBE)	25.2	5.0	0.32	ug/l	25.0		101	55-140			
tert-Butanol (TBA)	124	50	3.1	ug/l	125		99	65-135			
Ethanol	234	150	100	ug/l	250		94	35-160			
Surrogate: Dibromofluoromethane	*26.0*			*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*27.0*			*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.6*			*ug/l*	*25.0*		*102*	*80-120*			

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

METHOD BLANK/QC DATA

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

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H09019 Extracted: 08/09/05											
Matrix Spike Analyzed: 08/09/2005 (5H09019-MS1)						**Source: IOH0345-09**					
Benzene	59.9	2.0	0.28	ug/l	25.0	33	108	60-125			
Ethylbenzene	33.3	2.0	0.25	ug/l	25.0	6.1	109	65-130			
Toluene	42.1	2.0	0.36	ug/l	25.0	17	100	65-125			
m,p-Xylenes	65.8	2.0	0.52	ug/l	50.0	11	110	60-130			
o-Xylene	33.4	2.0	0.24	ug/l	25.0	6.7	107	60-125			
Xylenes, Total	99.2	4.0	0.52	ug/l	75.0	18	108	60-130			
Di-isopropyl Ether (DIPE)	30.2	5.0	0.25	ug/l	25.0	3.6	106	60-140			
Ethyl tert-Butyl Ether (ETBE)	24.7	5.0	0.28	ug/l	25.0	ND	99	55-135			
tert-Amyl Methyl Ether (TAME)	25.5	5.0	0.33	ug/l	25.0	0.36	101	55-140			
Methyl-tert-butyl Ether (MTBE)	24.2	5.0	0.32	ug/l	25.0	ND	97	50-150			
tert-Butanol (TBA)	170	50	3.1	ug/l	125	32	110	60-145			
Ethanol	275	150	100	ug/l	250	ND	110	35-160			
Surrogate: Dibromofluoromethane	*26.2*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*27.4*			*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*			*ug/l*	*25.0*		*103*	*80-120*			
Matrix Spike Dup Analyzed: 08/09/2005 (5H09019-MSD1)						**Source: IOH0345-09**					
Benzene	63.9	2.0	0.28	ug/l	25.0	33	124	60-125	6	20	
Ethylbenzene	36.1	2.0	0.25	ug/l	25.0	6.1	120	65-130	8	20	
Toluene	45.1	2.0	0.36	ug/l	25.0	17	112	65-125	7	20	
m,p-Xylenes	71.2	2.0	0.52	ug/l	50.0	11	120	60-130	8	25	
o-Xylene	36.1	2.0	0.24	ug/l	25.0	6.7	118	60-125	8	20	
Xylenes, Total	107	4.0	0.52	ug/l	75.0	18	119	60-130	8	20	
Di-isopropyl Ether (DIPE)	32.0	5.0	0.25	ug/l	25.0	3.6	114	60-140	6	25	
Ethyl tert-Butyl Ether (ETBE)	26.4	5.0	0.28	ug/l	25.0	ND	106	55-135	7	25	
tert-Amyl Methyl Ether (TAME)	27.1	5.0	0.33	ug/l	25.0	0.36	107	55-140	6	30	
Methyl-tert-butyl Ether (MTBE)	26.0	5.0	0.32	ug/l	25.0	ND	104	50-150	7	25	
tert-Butanol (TBA)	180	50	3.1	ug/l	125	32	118	60-145	6	25	
Ethanol	309	150	100	ug/l	250	ND	124	35-160	12	30	
Surrogate: Dibromofluoromethane	*25.5*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*27.0*			*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.4*			*ug/l*	*25.0*		*102*	*80-120*			

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

DATA QUALIFIERS AND DEFINITIONS

BZ	Sample preserved improperly
ID	Analyte identified by RT & presence of single mass ion
IO	Contract limits originate from BP-GCLN Technical Requirements
J,DX	EPA Flag - Estimated value,Value < lowest standard (MQL), but > than MDL
PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
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 GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

8015 Analysis EDF Parlabel Cross Reference

Analyte	EDF Parlabel
GRO (C4 - C12)	GROC4C12

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0216

Sampled: 08/01/05
Received: 08/02/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
EPA 8015B	Water	X	X
EPA 8260B	Water	X	X

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

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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Chain of Custody Record

280

Project Name: Q3-2005 GROUNDWATER
BP BU/AR Region/Enfos Segment: RETAIL (Coastal +C.LA)
State or Lead Regulatory Agency:
Requested Due Date (08/15/05): Standard TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorolo ical Events:	
Wind Speed:	Direction:

Lab Name:	Del Mar Analytical	BP/AR Facility No.:	1289	Consultant/Contractor:	SECOR International, Inc
Address:	17461 Derian Ave Ste 100	BP/AR Facility Address:	4861 Firestone Blvd E, South Gate,CA	Address:	290 Conejo Ridge Ave Sute 200
	Irvine, CA 92614	Site Lat/Long:			Thousand Oaks, CA 91361
Lab PM:	Chris Roberts	California Global ID No.:	T0603703905	Consultant/Contractor Project No.:	37BP.01289.03
Tele/Fax:	949-261-1022	Enfos Project No.:	G0C93-0001	Consultant/Contractor PM:	Lisa Moreno/ Ken Degreene
BP/AR PM Contact:	Ray Vose	Provision or RCOP (circle one)		Tele/Fax:	805-230-1266/805-230-1277
Address:	4 Centerpoint Dr.	Phase/WBS:	3 O&M	Report Type & QC Level:	Standard
	La Palma, CA	Sub Phase/Task:	Analytical	E-mail EDD To:	bauchard @secor.com
Tele/Fax:	818-957-1755	Cost Element:	Sub Contracted Cost	Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO C4-C12 (8015)	Requested Analysis: BTEX/OXY/ET (8260)	Sample Point Lat/Long and Comments
							2040216									
1	MW-7	1605	8/1/05		X			4				X		X	X	
2	MW-11	1635	8/1/05		X			4				X		X	X	
3	MW-12	1660	8/1/05		X			4				X		X	X	
4	MW-13	1740	8/1/05		X			4	X			~~X~~	~~X~~	X	X	
5	MW-14	2100	8/1/05		X			4				X		X	X	
6	MW-15	2005	8/1/05		X			4				X		X	X	
7	MW-16	1520	8/1/05		X			4				X		X	X	
8	MW-24	0020	8/1/05		X			4				X		X	X	
9	MW-25	2235	8/1/05		X			4				X		X	X	
10	MW-26	245	8/1/05		X			4				X		X	X	
11	DUP-1289-20050801	—	8/1/05		X			4				X		X	X	
	TB-1289-20050801	—	8/1/05		X			4				X		X	X	(VB)
12																

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Shawn Wilkinson						
Sampler's Company: SECOR		8/2/05	1515		8/2/05	1515
Shipment Date:		8/2/05	1830			
Shipment Method:						
Shipment Tracking No:					8/2	1830

Special Instructions:

Custody Seals In Place Yes ___ No X Temp Blank Yes ___ No X Cooler Temperature on Receipt 4 °F/C Trip Blank Yes X No ___

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

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LABORATORY REPORT

Prepared For: SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project: ARCO 1289, South Gate

Sampled: 07/05/05
Received: 07/06/05
Issued: 07/12/05 10:55

NELAP #01108CA California ELAP#1197 CSDLAC #10117

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

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
IOG0237-01	Sys Inf w/o Dil	Air
IOG0237-02	Sys Inf w/Dil	Air
IOG0237-03	Sys Eff	Air

Reviewed By:

Del Mar Analytical, Irvine
Wendy Kirkeeng For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOG0237-01 (Sys Inf w/o Dil - Air)					**Sampled: 07/05/05**				
Reporting Units: ppmv									
GRO (C4 - C12)	EPA 8015M	5G06066	N/A	2.4	**990**	1	07/06/05	07/06/05	
Sample ID: IOG0237-02 (Sys Inf w/Dil - Air)					**Sampled: 07/05/05**				
Reporting Units: ppmv									
GRO (C4 - C12)	EPA 8015M	5G06066	N/A	2.4	**660**	1	07/06/05	07/06/05	
Sample ID: IOG0237-03 (Sys Eff - Air)					**Sampled: 07/05/05**				
Reporting Units: ppmv									
GRO (C4 - C12)	EPA 8015M	5G06066	N/A	2.4	**21**	1	07/06/05	07/06/05	

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Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOG0237-01 (Sys Inf w/o Dil - Air)					**Sampled: 07/05/05**				
Reporting Units: ppmv									
Benzene	EPA 8260B MOD.	5G06024	N/A	1.2	**21**	1	07/06/05	07/06/05	
Ethylbenzene	EPA 8260B MOD.	5G06024	N/A	0.92	**5.8**	1	07/06/05	07/06/05	
Toluene	EPA 8260B MOD.	5G06024	N/A	1.1	**40**	1	07/06/05	07/06/05	
m,p-Xylenes	EPA 8260B MOD.	5G06024	N/A	0.92	**24**	1	07/06/05	07/06/05	
o-Xylene	EPA 8260B MOD.	5G06024	N/A	0.92	**8.8**	1	07/06/05	07/06/05	
Xylenes, Total	EPA 8260B MOD.	5G06024	N/A	1.8	**33**	1	07/06/05	07/06/05	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5G06024	N/A	2.4	ND	1	07/06/05	07/06/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5G06024	N/A	2.7	ND	1	07/06/05	07/06/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5G06024	N/A	2.4	ND	1	07/06/05	07/06/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5G06024	N/A	2.8	**4.1**	1	07/06/05	07/06/05	
tert-Butanol (TBA)	EPA 8260B MOD.	5G06024	N/A	33	ND	1	07/06/05	07/06/05	
Ethanol	EPA 8260B MOD.	5G06024	N/A	160	ND	1	07/06/05	07/06/05	IO
Surrogate: Dibromofluoromethane (80-120%)					*98 %*				
Surrogate: Toluene-d8 (80-120%)					*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*101 %*				
Sample ID: IOG0237-02 (Sys Inf w/Dil - Air)					**Sampled: 07/05/05**				
Reporting Units: ppmv									
Benzene	EPA 8260B MOD.	5G06024	N/A	1.2	**14**	1	07/06/05	07/06/05	
Ethylbenzene	EPA 8260B MOD.	5G06024	N/A	0.92	**3.9**	1	07/06/05	07/06/05	
Toluene	EPA 8260B MOD.	5G06024	N/A	1.1	**28**	1	07/06/05	07/06/05	
m,p-Xylenes	EPA 8260B MOD.	5G06024	N/A	0.92	**17**	1	07/06/05	07/06/05	
o-Xylene	EPA 8260B MOD.	5G06024	N/A	0.92	**6.1**	1	07/06/05	07/06/05	
Xylenes, Total	EPA 8260B MOD.	5G06024	N/A	1.8	**23**	1	07/06/05	07/06/05	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5G06024	N/A	2.4	ND	1	07/06/05	07/06/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5G06024	N/A	2.7	ND	1	07/06/05	07/06/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5G06024	N/A	2.4	ND	1	07/06/05	07/06/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5G06024	N/A	2.8	**2.8**	1	07/06/05	07/06/05	
tert-Butanol (TBA)	EPA 8260B MOD.	5G06024	N/A	33	ND	1	07/06/05	07/06/05	
Ethanol	EPA 8260B MOD.	5G06024	N/A	160	ND	1	07/06/05	07/06/05	IO
Surrogate: Dibromofluoromethane (80-120%)					*98 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				

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Wendy Kirkeeng For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOG0237-03 (Sys Eff - Air)					**Sampled: 07/05/05**				
Reporting Units: ppmv									
Benzene	EPA 8260B MOD.	5G06024	N/A	1.2	ND	1	07/06/05	07/06/05	
Ethylbenzene	EPA 8260B MOD.	5G06024	N/A	0.92	ND	1	07/06/05	07/06/05	
Toluene	EPA 8260B MOD.	5G06024	N/A	1.1	**1.4**	1	07/06/05	07/06/05	
m,p-Xylenes	EPA 8260B MOD.	5G06024	N/A	0.92	**1.4**	1	07/06/05	07/06/05	
o-Xylene	EPA 8260B MOD.	5G06024	N/A	0.92	ND	1	07/06/05	07/06/05	
Xylenes, Total	EPA 8260B MOD.	5G06024	N/A	1.8	**1.9**	1	07/06/05	07/06/05	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5G06024	N/A	2.4	ND	1	07/06/05	07/06/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5G06024	N/A	2.7	ND	1	07/06/05	07/06/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5G06024	N/A	2.4	ND	1	07/06/05	07/06/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5G06024	N/A	2.8	ND	1	07/06/05	07/06/05	
tert-Butanol (TBA)	EPA 8260B MOD.	5G06024	N/A	33	ND	1	07/06/05	07/06/05	
Ethanol	EPA 8260B MOD.	5G06024	N/A	160	ND	1	07/06/05	07/06/05	IO
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*98 %*				

Del Mar Analytical, Irvine
Wendy Kirkeeng For Chris Roberts
Project Manager

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Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOG0237-01 (Sys Inf w/o Dil - Air)					**Sampled: 07/05/05**				
Reporting Units: % by Volume									
Carbon Dioxide	ASTM D1946-90	5G07058	N/A	0.10	**0.52**	1	07/07/05	07/07/05	
Carbon Monoxide	ASTM D1946-90	5G07058	N/A	0.10	ND	1	07/07/05	07/07/05	
Methane	ASTM D1946-90	5G07058	N/A	0.10	ND	1	07/07/05	07/07/05	
Nitrogen	ASTM D1946-90	5G07058	N/A	20	**78**	1	07/07/05	07/07/05	
Oxygen	ASTM D1946-90	5G07058	N/A	5.5	**21**	1	07/07/05	07/07/05	
Sample ID: IOG0237-02 (Sys Inf w/Dil - Air)					**Sampled: 07/05/05**				
Reporting Units: % by Volume									
Carbon Dioxide	ASTM D1946-90	5G07058	N/A	0.10	**0.34**	1	07/07/05	07/07/05	
Carbon Monoxide	ASTM D1946-90	5G07058	N/A	0.10	ND	1	07/07/05	07/07/05	
Methane	ASTM D1946-90	5G07058	N/A	0.10	ND	1	07/07/05	07/07/05	
Nitrogen	ASTM D1946-90	5G07058	N/A	20	**78**	1	07/07/05	07/07/05	
Oxygen	ASTM D1946-90	5G07058	N/A	5.5	**21**	1	07/07/05	07/07/05	
Sample ID: IOG0237-03 (Sys Eff - Air)					**Sampled: 07/05/05**				
Reporting Units: % by Volume									
Carbon Dioxide	ASTM D1946-90	5G07058	N/A	0.10	**3.3**	1	07/07/05	07/07/05	
Carbon Monoxide	ASTM D1946-90	5G07058	N/A	0.10	ND	1	07/07/05	07/07/05	
Methane	ASTM D1946-90	5G07058	N/A	0.10	ND	1	07/07/05	07/07/05	
Nitrogen	ASTM D1946-90	5G07058	N/A	20	**80**	1	07/07/05	07/07/05	
Oxygen	ASTM D1946-90	5G07058	N/A	5.5	**16**	1	07/07/05	07/07/05	

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Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Sys Inf w/o Dil (IOG0237-01) - Air					
ASTM D1946-90	3	07/05/2005 10:00	07/06/2005 12:45	07/07/2005 11:18	07/07/2005 11:18
EPA 8015M	3	07/05/2005 10:00	07/06/2005 12:45	07/06/2005 15:02	07/06/2005 15:02
EPA 8260B MOD.	3	07/05/2005 10:00	07/06/2005 12:45	07/06/2005 17:23	07/06/2005 19:11
Sample ID: Sys Inf w/Dil (IOG0237-02) - Air					
ASTM D1946-90	3	07/05/2005 10:15	07/06/2005 12:45	07/07/2005 11:32	07/07/2005 11:32
EPA 8015M	3	07/05/2005 10:15	07/06/2005 12:45	07/06/2005 15:18	07/06/2005 15:18
EPA 8260B MOD.	3	07/05/2005 10:15	07/06/2005 12:45	07/06/2005 17:28	07/06/2005 19:42
Sample ID: Sys Eff (IOG0237-03) - Air					
ASTM D1946-90	3	07/05/2005 09:45	07/06/2005 12:45	07/07/2005 11:47	07/07/2005 11:47
EPA 8015M	3	07/05/2005 09:45	07/06/2005 12:45	07/06/2005 15:39	07/06/2005 15:39
EPA 8260B MOD.	3	07/05/2005 09:45	07/06/2005 12:45	07/06/2005 17:14	07/06/2005 18:09

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Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5G06066 Extracted: 07/06/05											
Blank Analyzed: 07/06/2005 (5G06066-BLK1)											
GRO (C4 - C12)	ND	2.4	N/A	ppmv							
LCS Analyzed: 07/06/2005 (5G06066-BS1)											
GRO (C4 - C12)	75.4	2.4	N/A	ppmv	70.0		108	80-120			
Duplicate Analyzed: 07/06/2005 (5G06066-DUP1)						**Source: IOG0172-01**					
GRO (C4 - C12)	230	2.4	N/A	ppmv		240			4	20	

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Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5G06024 Extracted: 07/06/05											
Blank Analyzed: 07/06/2005 (5G06024-BLK1)											
Benzene	ND	1.2	N/A	ppmv							
Ethylbenzene	ND	0.92	N/A	ppmv							
Toluene	ND	1.1	N/A	ppmv							
m,p-Xylenes	ND	0.92	N/A	ppmv							
o-Xylene	ND	0.92	N/A	ppmv							
Xylenes, Total	ND	1.8	N/A	ppmv							
Di-isopropyl Ether (DIPE)	ND	2.4	N/A	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	2.7	N/A	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	2.4	N/A	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	2.8	N/A	ppmv							
tert-Butanol (TBA)	ND	33	N/A	ppmv							
Ethanol	ND	160	N/A	ppmv							
Surrogate: Dibromofluoromethane	*6.45*			*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*12.1*			*ppmv*	*12.2*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*6.76*			*ppmv*	*6.99*		*97*	*80-120*			
LCS Analyzed: 07/06/2005 (5G06024-BS1)											
Benzene	14.5	1.2	N/A	ppmv	15.7		92	65-120			
Ethylbenzene	11.1	0.92	N/A	ppmv	11.5		97	70-125			
Toluene	12.2	1.1	N/A	ppmv	13.3		92	70-125			
m,p-Xylenes	22.1	0.92	N/A	ppmv	23.0		96	70-125			
o-Xylene	10.9	0.92	N/A	ppmv	11.5		95	70-125			
Xylenes, Total	33.0	1.8	N/A	ppmv	34.5		96	70-125			
Di-isopropyl Ether (DIPE)	12.6	2.4	N/A	ppmv	12.0		105	60-135			
Ethyl tert-Butyl Ether (ETBE)	12.4	2.7	N/A	ppmv	12.0		103	60-135			
tert-Amyl Methyl Ether (TAME)	13.0	2.4	N/A	ppmv	12.0		108	60-135			
Methyl-tert-butyl Ether (MTBE)	14.3	2.8	N/A	ppmv	13.9		103	55-140			
tert-Butanol (TBA)	82.4	33	N/A	ppmv	82.5		100	65-135			
Ethanol	243	160	N/A	ppmv	265		92	35-160			
Surrogate: Dibromofluoromethane	*6.37*			*ppmv*	*6.37*		*100*	*80-120*			
Surrogate: Toluene-d8	*12.3*			*ppmv*	*12.2*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*6.93*			*ppmv*	*6.99*		*99*	*80-120*			

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Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5G06024 Extracted: 07/06/05											
Duplicate Analyzed: 07/06/2005 (5G06024-DUP1)						**Source: IOG0237-03**					
Benzene	0.357	1.2	N/A	ppmv		0.34			5	20	
Ethylbenzene	0.272	0.92	N/A	ppmv		0.26			5	20	
Toluene	1.44	1.1	N/A	ppmv		1.4			3	20	
m,p-Xylenes	1.47	0.92	N/A	ppmv		1.4			5	20	
o-Xylene	0.576	0.92	N/A	ppmv		0.52			10	20	
Xylenes, Total	2.05	1.8	N/A	ppmv		1.9			8	20	
Di-isopropyl Ether (DIPE)	ND	2.4	N/A	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	2.7	N/A	ppmv		ND				20	
tert-Amyl Methyl Ether (TAME)	ND	2.4	N/A	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	2.8	N/A	ppmv		ND				25	
tert-Butanol (TBA)	ND	33	N/A	ppmv		ND				25	
Ethanol	ND	160	N/A	ppmv		ND				30	
Surrogate: Dibromofluoromethane	*6.31*			*ppmv*	*6.37*		*99*	*80-120*			
Surrogate: Toluene-d8	*12.3*			*ppmv*	*12.2*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*6.73*			*ppmv*	*6.99*		*96*	*80-120*			

Del Mar Analytical, Irvine
Wendy Kirkeeng For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5G07058 Extracted: 07/07/05											
Duplicate Analyzed: 07/07/2005 (5G07058-DUP1)						**Source: IOG0237-03**					
Carbon Dioxide	3.26	0.10	N/A	% by Volume		3.3			1	20	
Carbon Monoxide	ND	0.10	N/A	% by Volume		ND				20	
Methane	ND	0.10	N/A	% by Volume		ND				20	
Nitrogen	80.1	20	N/A	% by Volume		80			0	20	
Oxygen	16.6	5.5	N/A	% by Volume		16			4	20	

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Project ID: ARCO 1289, South Gate

Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

DATA QUALIFIERS AND DEFINITIONS

IO Contract limits originate from BP-GCLN Technical Requirements

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 VFH (ppmv):

The molecular weight of 100 was used to convert Volatile Fuel Hydrocarbons from mg/m3 to ppm by volume (ppmv).

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

8015 Analysis EDF Parlabel Cross Reference

Analyte	EDF Parlabel
GRO (C4 - C12)	GROC4C12

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Project ID: ARCO 1289, South Gate

Report Number: IOG0237

Sampled: 07/05/05
Received: 07/06/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8015M	Air	N/A	N/A
EPA 8260B MOD.	Air	N/A	N/A

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

Del Mar Analytical, Irvine
Wendy Kirkeeng For Chris Roberts
Project Manager

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bp

Chain of Custody Record

Project Name: ARCO 1289
BP BU/AR Region/Enfos Segment: Retail (Coastal + C. LA)
State or Lead Regulatory Agency: LARWQCB
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name:	Del Mar Analytical	BP/AR Facility No.:	1289	Consultant/Contractor:	SECOR International, Inc.
Address:	2851 Alton Ave.	BP/AR Facility Address:	4861 Firestone Blvd E, South Gat	Address:	290 Conejo Ridge Ave., Suite 200
	Irvine, CA 92605	Site Lat/Long:			Thousand Oaks, CA 91361
Lab PM:	Chris Roberts	California Global ID No.:	T0603703905	Consultant/Contractor Project No.:	37BP.01289.02
Tele/Fax:	949-261-1022 / 949-261-1228	Enfos Project No.:	G0C93-0001	Consultant/Contractor PM:	Ken De Greene
BP/AR PM Contact:	Jack Oman	(Provision or RCOP (circle one)		Tele/Fax:	(805)230-1266/(805)230-1277
Address:	4 Centerpoint Drive	Phase/WBS:	O&M	Report Type & QC Level:	
	La Palma, CA 91623	Sub Phase/Task:	Analytical Costs	E-mail EDD To:	bauchard@secor.com
Tele/Fax:	(714) 730-1898	Cost Element:	Subcontracted Costs	Invoice to:	(Consultant or) BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No: DMS

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO C4-C12 (8015M)	Requested Analysis: BTEX/OXY (8260B)	Requested Analysis: Fixed Gases	Sample Point Lat/Long and Comments
1	Sys Inf w/o Dil 10:00AM	10:00AM	7/5/05			X	1060237	1	X					X	X	X	
2	Sys Inf w/Dil 10:15AM	10:15AM	↓			X		1	X					X	X	X	Cross out if not applicable
3	Sys Eff 9:45AM	9:45AM	↓			X		1	X					X	X	X	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: DON SWANSON						
Sampler's Company: SECOR INT	MV	7/5/05	13:20	DMAI	7-6-05	0935
Shipment Date: 7/6/2005		7/6/05	0935			
Shipment Method: COURIER	DMAI	7/6/05	1245		7/6/05	1245
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes No X Temp Blank Yes No X Cooler Temperature on Receipt RT °F/C Trip Blank Yes No X

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

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LABORATORY REPORT

Prepared For: SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project: ARCO 1289, South Gate

Sampled: 08/02/05
Received: 08/03/05
Issued: 08/12/05 10:28

NELAP #01108CA California ELAP#1197 CSDLAC #10117

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

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 22°C and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the Del Mar Analytical Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
IOH0305-01	Sys Inf w/o Dil	Air
IOH0305-02	Sys Eff	Air

Reviewed By:

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

Del Mar Analytical

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0305

Sampled: 08/02/05
Received: 08/03/05

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0305-01 (Sys Inf w/o Dil - Air)									
Reporting Units: ppmv									
GRO (C4 - C12)	EPA 8015M	5H04044	N/A	2.4	**41**	1	08/04/05	08/04/05	
Sample ID: IOH0305-02 (Sys Eff - Air)									
Reporting Units: ppmv									
GRO (C4 - C12)	EPA 8015M	5H04044	N/A	2.4	**2.7**	1	08/04/05	08/04/05	

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0305

Sampled: 08/02/05
Received: 08/03/05

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0305-01 (Sys Inf w/o Dil - Air)									
Reporting Units: ppmv									
Benzene	EPA 8260B MOD.	5H04015	N/A	1.2	ND	1	08/04/05	08/04/05	
Ethylbenzene	EPA 8260B MOD.	5H04015	N/A	0.92	ND	1	08/04/05	08/04/05	
Toluene	EPA 8260B MOD.	5H04015	N/A	1.1	**1.7**	1	08/04/05	08/04/05	
o-Xylene	EPA 8260B MOD.	5H04015	N/A	0.92	ND	1	08/04/05	08/04/05	
m,p-Xylenes	EPA 8260B MOD.	5H04015	N/A	0.92	**2.2**	1	08/04/05	08/04/05	
Xylenes, Total	EPA 8260B MOD.	5H04015	N/A	1.8	**3.0**	1	08/04/05	08/04/05	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5H04015	N/A	2.4	ND	1	08/04/05	08/04/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5H04015	N/A	2.7	ND	1	08/04/05	08/04/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5H04015	N/A	2.8	ND	1	08/04/05	08/04/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5H04015	N/A	2.4	ND	1	08/04/05	08/04/05	
tert-Butanol (TBA)	EPA 8260B MOD.	5H04015	N/A	33	ND	1	08/04/05	08/04/05	
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*100 %*				
Sample ID: IOH0305-02 (Sys Eff - Air)									
Reporting Units: ppmv									
Benzene	EPA 8260B MOD.	5H04015	N/A	1.2	ND	1	08/04/05	08/04/05	
Ethylbenzene	EPA 8260B MOD.	5H04015	N/A	0.92	ND	1	08/04/05	08/04/05	
Toluene	EPA 8260B MOD.	5H04015	N/A	1.1	ND	1	08/04/05	08/04/05	
o-Xylene	EPA 8260B MOD.	5H04015	N/A	0.92	ND	1	08/04/05	08/04/05	
m,p-Xylenes	EPA 8260B MOD.	5H04015	N/A	0.92	ND	1	08/04/05	08/04/05	
Xylenes, Total	EPA 8260B MOD.	5H04015	N/A	1.8	ND	1	08/04/05	08/04/05	
Di-isopropyl Ether (DIPE)	EPA 8260B MOD.	5H04015	N/A	2.4	ND	1	08/04/05	08/04/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B MOD.	5H04015	N/A	2.7	ND	1	08/04/05	08/04/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B MOD.	5H04015	N/A	2.8	ND	1	08/04/05	08/04/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B MOD.	5H04015	N/A	2.4	ND	1	08/04/05	08/04/05	
tert-Butanol (TBA)	EPA 8260B MOD.	5H04015	N/A	33	ND	1	08/04/05	08/04/05	
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0305

Sampled: 08/02/05
Received: 08/03/05

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IOH0305-01 (Sys Inf w/o Dil - Air)									
Reporting Units: % by Volume									
Carbon Dioxide	ASTM D1946-90	5H04046	N/A	0.10	**0.40**	1	08/04/05	08/04/05	
Carbon Monoxide	ASTM D1946-90	5H04046	N/A	0.10	ND	1	08/04/05	08/04/05	
Methane	ASTM D1946-90	5H04046	N/A	0.10	ND	1	08/04/05	08/04/05	
Nitrogen	ASTM D1946-90	5H04046	N/A	20	**78**	1	08/04/05	08/04/05	
Oxygen	ASTM D1946-90	5H04046	N/A	5.5	**21**	1	08/04/05	08/04/05	
Sample ID: IOH0305-02 (Sys Eff - Air)									
Reporting Units: % by Volume									
Carbon Dioxide	ASTM D1946-90	5H04046	N/A	0.10	**2.1**	1	08/04/05	08/04/05	
Carbon Monoxide	ASTM D1946-90	5H04046	N/A	0.10	ND	1	08/04/05	08/04/05	
Methane	ASTM D1946-90	5H04046	N/A	0.10	ND	1	08/04/05	08/04/05	
Nitrogen	ASTM D1946-90	5H04046	N/A	20	**79**	1	08/04/05	08/04/05	
Oxygen	ASTM D1946-90	5H04046	N/A	5.5	**19**	1	08/04/05	08/04/05	

Del Mar Analytical, Irvine
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Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0305

Sampled: 08/02/05
Received: 08/03/05

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Sys Inf w/o Dil (IOH0305-01) - Air					
ASTM D1946-90	3	08/02/2005 13:00	08/03/2005 18:50	08/04/2005 18:14	08/04/2005 18:14
EPA 8015M	3	08/02/2005 13:00	08/03/2005 18:50	08/04/2005 07:44	08/04/2005 07:44
EPA 8260B MOD.	3	08/02/2005 13:00	08/03/2005 18:50	08/04/2005 09:54	08/04/2005 10:25
Sample ID: Sys Eff (IOH0305-02) - Air					
ASTM D1946-90	3	08/02/2005 13:05	08/03/2005 18:50	08/04/2005 18:34	08/04/2005 18:34
EPA 8015M	3	08/02/2005 13:05	08/03/2005 18:50	08/04/2005 08:05	08/04/2005 08:05
EPA 8260B MOD.	3	08/02/2005 13:05	08/03/2005 18:50	08/04/2005 10:01	08/04/2005 11:21

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0305

Sampled: 08/02/05
Received: 08/03/05

METHOD BLANK/QC DATA

VOLATILE FUEL HYDROCARBONS in Air (EPA 8015M.)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H04044 Extracted: 08/04/05											
Blank Analyzed: 08/04/2005 (5H04044-BLK1)											
GRO (C4 - C12)	ND	2.4	N/A	ppmv							
LCS Analyzed: 08/04/2005 (5H04044-BS1)											
GRO (C4 - C12)	60.6	2.4	N/A	ppmv	70.0		87	80-120			
Duplicate Analyzed: 08/04/2005 (5H04044-DUP1)						**Source: IOH0303-02**					
GRO (C4 - C12)	3380	240	N/A	ppmv		3200			5	20	

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0305

Sampled: 08/02/05
Received: 08/03/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H04015 Extracted: 08/04/05											
Blank Analyzed: 08/04/2005 (5H04015-BLK1)											
Benzene	ND	1.2	N/A	ppmv							
Ethylbenzene	ND	0.92	N/A	ppmv							
Toluene	ND	1.1	N/A	ppmv							
o-Xylene	ND	0.92	N/A	ppmv							
m,p-Xylenes	ND	0.92	N/A	ppmv							
Xylenes, Total	ND	1.8	N/A	ppmv							
Di-isopropyl Ether (DIPE)	ND	2.4	N/A	ppmv							
Ethyl tert-Butyl Ether (ETBE)	ND	2.7	N/A	ppmv							
Methyl-tert-butyl Ether (MTBE)	ND	2.8	N/A	ppmv							
tert-Amyl Methyl Ether (TAME)	ND	2.4	N/A	ppmv							
tert-Butanol (TBA)	ND	33	N/A	ppmv							
Surrogate: Dibromofluoromethane	*6.55*			*ppmv*	*6.37*		*103*	*80-120*			
Surrogate: Toluene-d8	*12.4*			*ppmv*	*12.2*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*6.88*			*ppmv*	*6.99*		*98*	*80-120*			
LCS Analyzed: 08/04/2005 (5H04015-BS1)											
Benzene	14.8	1.2	N/A	ppmv	15.7		94	65-120			
Ethylbenzene	11.1	0.92	N/A	ppmv	11.5		97	70-125			
Toluene	12.6	1.1	N/A	ppmv	13.3		95	70-125			
o-Xylene	10.5	0.92	N/A	ppmv	11.5		91	70-125			
m,p-Xylenes	21.7	0.92	N/A	ppmv	23.0		94	70-125			
Xylenes, Total	32.2	1.8	N/A	ppmv	34.5		93	70-125			
Di-isopropyl Ether (DIPE)	11.1	2.4	N/A	ppmv	12.0		92	60-135			
Ethyl tert-Butyl Ether (ETBE)	10.8	2.7	N/A	ppmv	12.0		90	60-135			
Methyl-tert-butyl Ether (MTBE)	13.3	2.8	N/A	ppmv	13.9		96	55-140			
tert-Amyl Methyl Ether (TAME)	10.9	2.4	N/A	ppmv	12.0		91	60-135			
tert-Butanol (TBA)	93.6	33	N/A	ppmv	82.5		113	65-135			
Surrogate: Dibromofluoromethane	*6.43*			*ppmv*	*6.37*		*101*	*80-120*			
Surrogate: Toluene-d8	*12.3*			*ppmv*	*12.2*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*7.01*			*ppmv*	*6.99*		*100*	*80-120*			

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Attention: Ken Degreene

Project ID: ARCO 1289, South Gate

Report Number: IOH0305

Sampled: 08/02/05
Received: 08/03/05

METHOD BLANK/QC DATA

BTEX/OXYGENATES in Air by GC/MS - (EPA 8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H04015 Extracted: 08/04/05											
Duplicate Analyzed: 08/04/2005 (5H04015-DUP1)						**Source: IOH0305-01**					
Benzene	0.382	1.2	N/A	ppmv		0.43			12	20	
Ethylbenzene	0.253	0.92	N/A	ppmv		0.27			7	20	
Toluene	1.51	1.1	N/A	ppmv		1.7			12	20	
o-Xylene	0.811	0.92	N/A	ppmv		0.90			10	20	
m,p-Xylenes	1.95	0.92	N/A	ppmv		2.2			12	20	
Xylenes, Total	2.76	1.8	N/A	ppmv		3.0			8	20	
Di-isopropyl Ether (DIPE)	ND	2.4	N/A	ppmv		ND				20	
Ethyl tert-Butyl Ether (ETBE)	ND	2.7	N/A	ppmv		ND				20	
Methyl-tert-butyl Ether (MTBE)	ND	2.8	N/A	ppmv		ND				25	
tert-Amyl Methyl Ether (TAME)	ND	2.4	N/A	ppmv		ND				20	
tert-Butanol (TBA)	ND	33	N/A	ppmv		ND				25	
Surrogate: Dibromofluoromethane	*6.60*			*ppmv*	*6.37*		*104*	*80-120*			
Surrogate: Toluene-d8	*12.6*			*ppmv*	*12.2*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*7.18*			*ppmv*	*6.99*		*103*	*80-120*			

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Report Number: IOH0305

Sampled: 08/02/05
Received: 08/03/05

METHOD BLANK/QC DATA

FIXED GASES By GC/TCD (ASTM D1946-90)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 5H04046 Extracted: 08/04/05											
Duplicate Analyzed: 08/04/2005 (5H04046-DUP1)						**Source: IOH0305-01**					
Carbon Dioxide	0.410	0.10	N/A	% by Volume		0.40			2	20	
Carbon Monoxide	ND	0.10	N/A	% by Volume		ND				20	
Methane	ND	0.10	N/A	% by Volume		ND				20	
Nitrogen	78.3	20	N/A	% by Volume		78			0	20	
Oxygen	21.3	5.5	N/A	% by Volume		21			1	20	

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Sampled: 08/02/05
Received: 08/03/05

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 VFH (ppmv):

The molecular weight of 100 was used to convert Volatile Fuel Hydrocarbons from mg/m3 to ppm by volume (ppmv).

For GRO (C4-C12):

GRO (C4-C12) is quantitated against a gasoline standard. Quantitation begins immediately following the methanol peak.

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Received: 08/03/05

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	Nelac	California
ASTM D1946-90	Air	N/A	N/A
EPA 8015M	Air	N/A	N/A
EPA 8260B MOD.	Air	N/A	N/A

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

Del Mar Analytical, Irvine
Sushmitha Reddy For Chris Roberts
Project Manager

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Page____ of ____

Chain of Custody Record

Project Name: ARCO 1289
BP BU/AR Region/Enfos Segment: Retail (Coastal + C. LA)
State or Lead Regulatory Agency: LARWQCB
Requested Due Date (mm/dd/yy): Standard TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name:	Del Mar Analytical	BP/AR Facility No.:	1289	Consultant/Contractor:	SECOR International, Inc.
Address:	2851 Alton Ave.	BP/AR Facility Address:	4861 Firestone Blvd E, South Gat	Address:	290 Conejo Ridge Ave., Suite 200
	Irvine, CA 92605	Site Lat/Long:			Thousand Oaks, CA 91361
Lab PM:	Chris Roberts	California Global ID No.:	T0603703905	Consultant/Contractor Project No.:	37BP.01289.02
Tele/Fax:	949-261-1022 / 949-261-1228	Enfos Project No.:	G0C93-0001	Consultant/Contractor PM:	Ken De Greene
BP/AR PM Contact:	Jack Oman	Provision or RCOP (circle one)		Tele/Fax:	(805)230-1266/(805)230-1277
Address:	4 Centerpoint Drive	Phase/WBS:	O&M	Report Type & QC Level:	
	La Palma, CA 91623	Sub Phase/Task:	Analytical Costs	E-mail EDD To:	bauchard@secor.com
Tele/Fax:	(714) 730-1898	Cost Element:	Subcontracted Costs	Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No: IDH0305

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO C4-C12 (8015M)	Requested Analysis: BTEX/OXY (8260B)	Requested Analysis: Fixed Gases	Sample Point Lat/Long and Comments
1	Sys Inf w/o Dil	1300	8-2-05			X		1						X	X	X	
2	~~Sys Inf w/Dil~~					~~X~~								~~X~~	~~X~~	~~X~~	Cross out if not applicable
3	Sys Eff	1305	8-2-05			X		1						X	X	X	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Mark Valenzuela						
Sampler's Company: SECOR		8/3/05	1640	DMAI	8/3/05	1640
Shipment Date:	DMAI	8/3/05	1850			
Shipment Method:						
Shipment Tracking No:					8/3	1850

Special Instructions:

Custody Seals In Place Yes ___ No ✓ Temp Blank Yes ___ No ✓ Cooler Temperature on Receipt ___ °F/C Trip Blank Yes ___ No ✓

Distribution: White Copy - Laboratory / Yellow Copy - BP/Atlantic Richfield Co. / Pink Copy - Consultant/Contractor

BP COC Rev. 4 10/1/04

Appendix C
Groundwater Sampling and O&M Field Data Sheets

Subjective and Well -Head Evaluation Form

Project No.: Q3-2005 Groundwater Location: South Gate Date: 8/1/2005

Station No.: 1289 Field Technician: Shaun Dickinson Day of Week: Monday

DTW ORDER	WELL ID	SURFICIAL SEAL	CONCRETE SEAL	LID SECURE	GASKET	LOCK	EXPANDING CAP	TOTAL DEPTH (feet)	DEPTH TO WATER (feet)	FLOATING PRODUCT THICKNESS (feet)	DISSOLVED OXYGEN READING (mg/L)	COMMENTS
	MW-7	Y	Y	Y	Y	Y	Y	71.15	45.76	Ø	0.18	TD: 71.15
	MW-11	Y	Y	Y	Y	Y	Y	64.31	44.07	Ø	0.17	TD: 64.35
	MW-12	Y	Y	Y	Y	Y	Y	63.93	44.40	Ø	0.21	TD: 63.95 Dup
	MW-13	Y	Y	Y	Y	Y	Y	64.20	45.40	Ø	0.14	TD: 64.24
	MW-14	Y	Y	Y	Y	Y	Y	64.30	45.14	Ø	0.25	TD: 64.30
	MW-15	Y	Y	Y	Y	Y	Y	61.80	44.77	Ø	0.20	TD: 61.80
	MW-16	Y	Y	Y	Y	Y	Y	64.00	44.34	Ø	0.22	TD: 64.00
	MW-24	Y	Y	N	Y	Y	Y	64.63	46.10	Ø	0.50	64.70 TD
	MW-25	Y	Y	Y	Y	Y	Y	59.85	45.81	Ø	0.24	TD: 60.50
	MW-26	Y	Y	Y	Y	Y	Y	64.94	45.66	Ø	0.41	64.55

Note: Use G=Good and P=poor for well condition

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY

PROJECT NO: Q3-2005 Groundwater	SAMPLE ID: MW-7
SAMPLER: Shaun Dickinson	FACILITY NO: 1289
DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 (4) 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~32.65~~ 71.15	CALCULATED PURGE (gal): <0.70
DEPTH TO WATER (feet): 45.76	ACTUAL PURGE VOL (gal): <1
Standing Water in Casing (feet) 25.39 x 0.20= 5.078 + DTW 50.83 =80% Recharge Water Level	

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 08/01/05 Start (2400 Hr.): 1547 End (2400 Hr.): 1628

Date Sampled: 08/01/05 Time (2400 Hr.): 1645 DTW @ Samp. Time: 49.14

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1):

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) X1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
1604	17	79.9	2870	8.06	clear	Trace	
1615	34	78.6	2872	8.01	"	"	
1628	51	79.2	2894	7.98	"	"	

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	Bailer (Teflon)
Submersible Pump	Bailer (Stainless Steel)	Dipper	Bailer (Disposable Teflon)
Redi-Flo2	Dedicated	Well Wizard	Dedicated
OTHER: VAC TRUCK		OTHER:	

Well Condition (cap, cement, padlock, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 4 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: [signature] DATE: 8/9/05

Atlantic Richfield Company No. #1289

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q3-2005 Groundwater	SAMPLE ID: MW-11
	SAMPLER: Shaun Dickinson	FACILITY NO: 1289
	DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 (4) 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~20.30~~ 64.35	CALCULATED PURGE (gal): 40.56
DEPTH TO WATER (feet): 44.07	ACTUAL PURGE VOL (gal): 41.19
Standing Water in Casing (feet) 20.28 x 0.20= 4.056 + DTW 48.12 =80% Recharge Water Level	

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 08/01/05 Start (2400 Hr.): 1520 End (2400 Hr.): 1544

Date Sampled: 08/01/05 Time (2400 Hr.): 1635 DTW @ Samp. Time: 45.05

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1): ~~DUP-MW-99~~

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) X1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
1524	13	80.3	3159	8.16	Clear	Trace	
1544	20.19	79.6	3177	8.15	"	"	
	41		Dry @ 1560				

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	~~Bailer (Teflon)~~
Submersible Pump	Bailer (Stainless Steel)	Dipper	Bailer (Disposable ~~Teflon~~)
Redi-Flo2	Dedicated	Well Wizard	~~Dedicated~~
OTHER: VAC TRUCK		OTHER:	

Well Condition (cap, ~~cement, padlock~~, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 4 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: [signature] DATE: 8/9/05

Atlantic Richfield Company No. #1289

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q3-2005 Groundwater	SAMPLE ID: MW-12
	SAMPLER: Shaun Dickinson	FACILITY NO: 1289
	DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 4 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~10.38~~ 103.95	CALCULATED PURGE (gal): 39.10
DEPTH TO WATER (feet): 44.40	ACTUAL PURGE VOL (gal): 40

Standing Water in Casing (feet) 17.55 x 0.20= 3.91 + DTW 48.31 =80% Recharge Water Level

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 08/01/05 Start (2400 Hr.): 1715 End (2400 Hr.): 1745

Date Sampled: 08/01/05 Time (2400 Hr.): 1800 DTW @ Samp. Time: 48.20

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1): Dup-1289-200508 01

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) x1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
1727	13	76.2	3305	7.74	Clear	Trace	
1737	26	74.6	3005	7.74	"	"	
1749	40	74.2	3164	7.76	"	"	

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	~~Bailer (Teflon)~~
Submersible Pump	Bailer (Stainless Steel)	Dipper	~~Bailer (Disposable Teflon)~~
Redi-Flo2	Dedicated	Well Wizard	Dedicated

OTHER: VAC TRUCK OTHER:

Well Condition (cap, cement, padlock, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 18 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: Moreno DATE: 8/9/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q3-2005 Groundwater	SAMPLE ID:MW-13
	SAMPLER: Shaun Dickinson	FACILITY NO: 1289
	DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 (4) 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~14.25~~ 104.24	CALCULATED PURGE (gal): 37.68
DEPTH TO WATER (feet): 45.40	ACTUAL PURGE VOL (gal): 38

Standing Water in Casing (feet) 18.84 x 0.20= 3.768 + DTW 49.16 =80% Recharge Water Level

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 08/01/05 Start (2400 Hr.): 1632 End (2400 Hr.): 1712

Date Sampled: 08/01/05 Time (2400 Hr.): 1740 DTW @ Samp. Time: 49.00

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1): ~~DUP: A99~~

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) x1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
1644	13	79.4	3018	7.82	Clear	Trace	
1658	26	79.9	3008	7.78	"	"	
1712	38	77.2	2.85	7.28	"	"	

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	Bailer (Teflon)
Submersible Pump	Bailer (Stainless Steel)	Dipper	Bailer (Disposable Teflon)
Redi-Flo2	Dedicated	Well Wizard	Dedicated
OTHER: VAC TRUCK		OTHER:	

Well Condition (cap, cement, padlock, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 4 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: Moreno DATE: 8/9/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q3-2005 Groundwater	SAMPLE ID: MW-14
	SAMPLER: Shaun Dickinson	FACILITY NO: 1289
	DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 (4) 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~23.94~~ 64.30	CALCULATED PURGE (gal): 38.32
DEPTH TO WATER (feet): 48.14	ACTUAL PURGE VOL (gal): 39

Standing Water in Casing (feet) 14.16 x 0.20= 3.832 + DTW 48.97 =80% Recharge Water Level

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 08/01/05 Start (2400 Hr.): 1957 End (2400 Hr.): 2044

Date Sampled: 08/01/05 Time (2400 Hr.): 2100 DTW @ Samp. Time: 48.55

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1):

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) x1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
2006	13	67.0	3602	7.78	cloudy	Trace	
2022	26	67.7	3736	7.76	"	"	
2044	39	67.7	3724	7.78	"	"	

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	Bailer (Teflon)
Submersible Pump	Bailer (Stainless Steel)	Dipper	Bailer (Disposable Teflon)
Redi-Flo2	Dedicated	Well Wizard	Dedicated
OTHER:	VAC TRUCK	OTHER:	

Well Condition (cap, cement, padlock, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 4 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY, NO SAMPLE COLLECTED: REVIEWED BY: Moreno DATE: 8/9/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q3-2005 Groundwater	SAMPLE ID:MW-15
	SAMPLER: Shaun Dickinson	FACILITY NO: 1289
	DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 4 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~17.30~~ 61.80	CALCULATED PURGE (gal): 34.06
DEPTH TO WATER (feet): 44.77	ACTUAL PURGE VOL (gal): 35

Standing Water in Casing (feet) 17.03 x 0.20= 3.406 + DTW 48.17 =80% Recharge Water Level

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 08/01/05 Start (2400 Hr.): 1913 End (2400 Hr.): 1948

Date Sampled: 08/01/05 Time (2400 Hr.): 2005 DTW @ Samp. Time: 48.17

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1):

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) X1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
1922	11	71.7	2231	7.83	Clear	Trace	
1933	22	71.3	2286	7.82	"	"	
1948	35	68.0	2357	7.80	"	"	

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	~~Bailer (Teflon)~~
Submersible Pump	Bailer (Stainless Steel)	Dipper	~~Bailer (Disposable Teflon)~~
Redi-Flo2	Dedicated	Well Wizard	Dedicated
OTHER: VAC TRUCK		OTHER:	

Well Condition (cap, cement, padlock, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 4 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: [signature] DATE: 8/9/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q3-2005 Groundwater	SAMPLE ID: MW-16
	SAMPLER: Shaun Dickinson	FACILITY NO: 1289
	DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 (4) 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~24.55~~ 104.00	CALCULATED PURGE (gal): 39.32
DEPTH TO WATER (feet): 44.34	ACTUAL PURGE VOL (gal): 40
Standing Water in Casing (feet) 19.66 x 0.20= 3.932	+ DTW 48.27 =80% Recharge Water Level

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 08/01/05 Start (2400 Hr.): 1839 End (2400 Hr.): 1911

Date Sampled: 08/01/05 Time (2400 Hr.): 1920 DTW @ Samp. Time: 48.05

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1):

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) x1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
1847	13	73.5	20.69	7.78	Clear	Trace	
1900	26	72.0	1.454	7.88	"	"	
1911	40	71.3	1.450	7.85	"	"	

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	Bailer (Teflon)
Submersible Pump	Bailer (Stainless Steel)	Dipper	~~Bailer (Disposable Teflon)~~
Redi-Flo2	Dedicated	Well Wizard	~~Dedicated~~
OTHER:	VAC TRUCK	OTHER:	

Well Condition (cap, cement, padlock, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 4 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY, NO SAMPLE COLLECTED: REVIEWED BY: [signature] DATE: 8/9/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q3-2005 Groundwater	SAMPLE ID: ~~MW-26~~ MW-24
	SAMPLER: Shaun Dickinson	FACILITY NO: 1289
	DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 (4) 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~29.82~~ 64.70	CALCULATED PURGE (gal): 37.20
DEPTH TO WATER (feet): 46.10	ACTUAL PURGE VOL (gal): 38

Standing Water in Casing (feet) 18.60 x 0.20= 3.72 + DTW 49.82 =80% Recharge Water Level

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 8/1/05 Start (2400 Hr.): 2336 End (2400 Hr.): 0007

Date Sampled: 8/1/05 Time (2400 Hr.): 0020 DTW @ Samp. Time: 49.80

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1):

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) x1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
2346	13	65.3	2244	7.88	clear	Trace	
2358	26	66.4	2247	7.86	"	"	
2407	38	68.3	2247	7.88	"	"	

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	Bailer (Teflon)
Submersible Pump	Bailer (Stainless Steel)	Dipper	Bailer (Disposable Teflon)
Redi-Flo2	Dedicated	Well Wizard	Dedicated
OTHER: VAC TRUCK		OTHER:	

Well Condition (cap, cement, padlock, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 4 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: [signature] DATE: 8/9/05

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Atlantic Richfield Company No. #1289

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q3-2005 Groundwater	SAMPLE ID: MW-25
	SAMPLER: Shaun Dickinson	FACILITY NO: 1289
	DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 4 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~30.11~~ 120.00	CALCULATED PURGE (gal): 28.38
DEPTH TO WATER (feet): 45.81	ACTUAL PURGE VOL (gal): 29

Standing Water in Casing (feet) 14.19 x 0.20= 2.838 + DTW 48.64 =80% Recharge Water Level

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 08/01/05 Start (2400 Hr.): 2200 End (2400 Hr.): 2225

Date Sampled: 08/01/05 Time (2400 Hr.): 2235 DTW @ Samp. Time: 48.00

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1):

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) x1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
2206	10	67.7	2591	7.78	clear	Trace	
2215	20	69.8	2579	7.80	"	"	
2225	29	69.3	2563	7.79	"	"	

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	Bailer (Teflon)
Submersible Pump	Bailer (Stainless Steel)	Dipper	Bailer (Disposable Teflon)
Redi-Flo2	Dedicated	Well Wizard	Dedicated
OTHER: VAC TRUCK		OTHER:	

Well Condition (cap, ~~cement,~~ padlock, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 4 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: [signature] DATE: 8/9/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q3-2005 Groundwater	SAMPLE ID: ~~MW-24~~ MW-26
	SAMPLER: Shaun Dickinson	FACILITY NO: 1289
	DATE: 08/01/05	LOCATION: South Gate

CASING DIAMETER (inches) 2 3 (4) 6 8 12 OTHER:

DEPTH OF WELL (feet): ~~30.03~~ 64.95	CALCULATED PURGE (gal): 38.56
DEPTH TO WATER (feet): 45.66	ACTUAL PURGE VOL (gal): 39

Standing Water in Casing (feet) 19.28 x 0.20= 3.856 + DTW 49.51 =80% Recharge Water Level

2 (inches)	Standing Water in Casing (feet)	x 0.5=	3 Casing Volumes (gal.)
4 (inches)	Standing Water in Casing (feet)	x 2.0=	3 Casing Volumes (gal.)
6 (inches)	Standing Water in Casing (feet)	x 4.4=	3 Casing Volumes (gal.)
8 (inches)	Standing Water in Casing (feet)	x 7.8=	3 Casing Volumes (gal.)

Date Purged: 08/01/05 Start (2400 Hr.): ~~0903~~ 2103 End (2400 Hr.): 2132

Date Sampled: 08/01/05 Time (2400 Hr.): 2145 DTW @ Samp. Time: 49.51

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1):

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) X1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
2109	13	68.5	2841	7.69	Clear	Trace	
2116	26	68.8	2789	7.72	"	"	
2132	39	68.1	2785	7.77	"	"	

* (Color) Clear, Cloudy, Yellow, Brown ** (Turbidity) Heavy, Moderate, Light, Trace

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
2" Bladder Pump	Bailer (Teflon)	2" Bladder Pump	Bailer (Stainless Steel)
Contrifugal Pump	Bailer (PVC)	Submersible Pump	Bailer (Teflon)
Submersible Pump	Bailer (Stainless Steel)	Dipper	Bailer (Disposable Teflon)
Redi-Flo2	Dedicated	Well Wizard	Dedicated

OTHER: VAC TRUCK OTHER:

Well Condition (cap, cement, padlock, screws, lid, etc.):

Floating Product Thickness (feet): Color: Padlock Number:

COMMENTS:

40 ml VOA, HCL: 4 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY, NO SAMPLE COLLECTED: REVIEWED BY: Moreno DATE: 8/9/05

SECOR International, Incorporated

AirSparging/Vapor Extraction Monitoring Log

SITE INFORMATION

ENT/SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VA.C-25 (Serial No. 7631294CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766
TECHNICIAN	Initials: DMS ~~7/5/05~~ Date: 7/5/05	Weekday: TUESDAY	Time: 8:27 AM
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 23795.31	Alarms: None, completed weekly O&M
UTILITIES	Gas Meter 4.1 cFM / 2957.2 Therms cfm / therm	Electrical Meter 39297	KWh

THERMAL OXIDIZER

Temperature	Process: 1705 °F	Post Cat.: 1576 °F			
Process Flow	228 scfm	Change Chart Paper? Yes/No	Manifold Vacuum.: 40 "H_2O		
Source Well Flow (Pitot Tube)	P: .41 in H_2O	ΔP: .06 in H_2O	Temp.: 150 °F	Source Flow: 228 scfm	
Effluent Flow (Pitot Tube)	P: NA in H_2O	ΔP: NA in H_2O	Temp.: NA °F	Effluent Flow: NA scfm	
Blower	Amps: NM A	Lubricate? Yes/No	Change Oil? Yes/No	Belts OK? Yes/No	
Dilution Valve	Auto: 100% %open	Manual: 20% %open			
LEL Reading	Sci NA %	PV DMS NA %			
VES Concentrations	Influent (Diluted) 1189 ppm	Influent (Undiluted) [redacted] 2742 ppm	Effluent 8.2 ppm		
Monitoring Device	Mini RAE 2000	Calibration (type/date) 100 PPM HEXANE 7/5/2005			

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow (scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow	O / O	40	>9999	NA	NA	NA	NA	NA
	Deep	C / C		>9999					NA
SVE-2	Shallow	O / O		1750					NA
	Deep	C / C		884					NA
SVE-10	Deep	O / O		>9999					17 to 25
SVE-11	Deep	O / O		518					17 to 25
SVE-12	Shallow	O / O		480					10 to 20
	Deep	C / C		461					30 to 40
SVE-13 DMS	Shallow	O / [redacted] C		78.4					10 to 20
	Deep	C / C		1354					30 to 40
SVE-14	Shallow	O / O		3217					10 to 20
SVE-15	Shallow	O / O	↓	[redacted] 370	↓	↓	↓	↓	10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No
			NA	NA				

AIR SPARGING SYSTEM MONITORING

Pt No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3							AS-11						
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 1 5 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
Influent w/Dilu	Monthly	Yes/No	7/5/2005	10:00 AM	8015M	8260B
Influent w/Dilu	Monthly	Yes/No	↓	10:15 AM	1 Tedlar Bag	
Effluent	Monthly	Yes/No	↓	9:45 AM	1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED	
Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

STATUS DEPARTURE: ON/OFF | 1 | Drums: ——— empty | - ∅ full

Notes: List all activities, observations, recommendations

Completed weekly O&M, collected monthly process vapor samples. Faxed O&M worksheet to Ken Greene.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

NT/SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7631284CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766

TECHNICIAN	Initials: DMS	Date: 7/12/05		Weekday: TUESDAY		Time: 9:17 AM	
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 23964.12		Alarms: None, Completed weekly O&M			
UTILITIES	Gas Meter 4.0 CFM / 3498.5 scim /therm		Electrical Meter [redacted]	40207			KWh

THERMAL OXIDIZER

Temperature	Process: 1680 °F		Post Cat.: 1555 °F				
Process Flow	242 scim	Change Chart Paper?	Yes/No	Manifold Vacuum.: 45 "H_2O			
Source Well Flow (Pitot Tube)	P: 0.45 in H_2O	ΔP: NG in H_2O	Temp.: 140 °F	Source Flow: 242 scim			
Effluent Flow (Pitot Tube)	P: NA in H_2O	ΔP: NA in H_2O	Temp.: NA °F	Effluent Flow: NA scim			
Blower	Amps: NM A	Lubricate?	Yes/No	Change Oil?	Yes/No	Belts OK?	Yes/No
Dilution Valve	Auto: 10% %open	Manual: 20% %open					
LEL Reading	Set NA %	PV NA %					
VES Concentrations	Influent (Diluted) ppm	Influent (Undiluted) ppm	Effluent 12.6 ppm				
Monitoring Device	MINI RAE 2000	Calibration (type/date) 100 PPM Hexane / 7/12/2005					

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow (scim)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow	O / O	45	>9999					NA
	Deep	C / O		>9999					NA
SVE-2	Shallow	C / O		3370					NA
	Deep	C / C		186					NA
SVE-10	Deep	O / O		>9999					17 to 25
SVE-11	Deep	O / O		139					17 to 25
SVE-12	Shallow	O / O		4712					10 to 20
	Deep	C / C		277					30 to 40
SVE-13	Shallow	O / C		457					10 to 20
	Deep	C / C		151					30 to 40
SVE-14	Shallow	O / O		4688					10 to 20
SVE-15	Shallow	O / O	↓	276					10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	On/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No
			NA	NA				

AIR SPARGING SYSTEM MONITORING

Pt No.	Flow(scim)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scim)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3							AS-11						
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Sampling must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
					8015M	8260B
Influent	Monthly	YES/NO			1 Tedlar Bag	
Effluent	Monthly	YES/NO			1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED	
Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

STATUS DEPARTURE: ON/OFF | 1 | Drums: ____ empty ____ full

Notes: List all activities, observations, recommendations

Completed weekly O&M, FAXED O&M work sheet to Ken DeGreene

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7631294CA)
ADDRESS:	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766

TECHNICIAN	Initials: DMS	Date: 7/19/2005	Weekday: TUESDAY	Time: 9:10 AM			
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 24132.05	Alarms: None, Completed Weekly O&M				
UTILITIES	Gas Meter	4.2 CFM / 3814.2 Therm	cfm / therm	Electrical Meter	41213	KWh	

THERMAL OXIDIZER

Temperature	Process: 1647 °F	Post Cat.: 1524 °F					
Process Flow	232 scfm	Change Chart Paper? Yes/No	Manifold Vacuum.: 35 "H_2O				
Source Well Flow (Pitot Tube)	P: 0.44 in H_2O	ΔP: NG in H_2O	Temp.: 96 °F	Source Flow: 232 scfm			
Effluent Flow (Pitot Tube)	P: NA in H_2O	ΔP: NA in H_2O	Temp.: NA °F	Effluent Flow: NA scfm			
Blower	Amps: NM A	Lubricate? Yes/No	Change Oil? Yes/No	Belts OK? Yes/No			
Dilution Valve	Auto: 10% %open	Manual: 20% %open					
LEL Reading	Set NA %	PV NA %					
VES Concentrations	Influent (Diluted) ppm	Influent (Undiluted) ppm	Effluent 18.6 ppm				
Monitoring Device	MINI RAE 2000	Calibration (type/date) 100 PPM Hexane / 7/19/2005					

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow (scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow	O / O	35	8843					NA
	Deep	O / O		3877					NA
SVE-2	Shallow	O / O		2568					NA
	Deep	C / C		501					NA
SVE-10	Deep	O / O		>9999					17 to 25
SVE-11	Deep	O / O		170					17 to 25
SVE-12	Shallow	O / O		485					10 to 20
	Deep	C / C		200					30 to 40
SVE-13	Shallow	C / C		183					10 to 20
	Deep	C / C		427					30 to 40
SVE-14	Shallow	O / O		3310					10 to 20
SVE-15	Shallow	O / O	↓	232					10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No
			NA	NA				

AIR SPARGING SYSTEM MONITORING

Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3							AS-11						
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 10 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
					8015M	8260B
Influent	Monthly	YES/NO			1 Tedlar Bag	
Effluent	Monthly	YES/NO			1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED

Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

STATUS DEPARTURE: ON/OFF | Drums: 1 empty | 0 full

Notes: List all activities, observations, recommendations

Completed weekly O&M, faxed O&M worksheet to Ken DeGreene.
Installed new vapor flow temperature gauge.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7631294CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766
TECHNICIAN	Initials: DMS; Date: 7/26/05	Weekday:	TUESDAY; Time: 10:30AM
ARRIVAL STATUS:	ON/OFF; OPERATING HOURS: 24148.57	Alarms:	ILLEGAL SHUT DOWN
UTILITIES	Gas Meter: 3855.2 Therm/5.0CFM cfm / therm	Electrical Meter	41331 KWh

THERMAL OXIDIZER

Temperature	Process: 1632 °F	Post Cat.: 1509	°F
Process Flow	239 scfm; Change Chart Paper? Yes/No	Manifold Vacuum.: 35	"H_2O
Source Well Flow (Pitot Tube)	P: 0.46 in H_2O; ΔP: NG in H_2O; Temp.: 92 °F	Source Flow: 237	scfm
Effluent Flow (Pitot Tube)	P: NA in H_2O; ΔP: NA in H_2O; Temp.: NA °F	Effluent Flow: NA	scfm
Blower	Amps: NM A; Lubricate? Yes/No	Change Oil? Yes/No; Belts OK?	Yes/No
Dilution Valve	Auto: 10% %open; Manual: 20%		%open
LEL Reading	Set NA %; PV NA		%
VES Concentrations	Influent (Diluted) ppm; Influent (Undiluted) ppm	Effluent	ppm
Monitoring Device	MINI RAE 2000	Calibration (type/date) 100 PPM Hex / 7/26/2005	

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow (scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow	O/O	35	NOT					NA
	Deep	O/O							NA
SVE-2	Shallow	O/O		TAKEN					NA
	Deep	C/C							NA
SVE-10	Deep	O/O		DUE					17 to 25
SVE-11	Deep	O/O		TO LENGTH					17 to 25
SVE-12	Shallow	O/O							10 to 20
	Deep	C/C		OF					30 to 40
SVE-13	Shallow	C/C		SHUT					10 to 20
	Deep	C/C							30 to 40
SVE-14	Shallow	O/O		DOWN					10 to 20
SVE-15	Shallow	O/O	↓						10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No
			NA	NA				

AIR SPARGING SYSTEM MONITORING

Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3	NA						AS-11	NA					
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
Influent	Monthly	YES/NO			8015M	8260B
Effluent	Monthly	YES/NO			1 Tedlar Bag	1 Tedlar Bag

STATUS DEPARTURE: ON/OFF

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED

Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

Drums: | empty | full

Notes: List all activities, observations, recommendations

*UPON ARRIVAL SYSTEM DOWN, SOMEONE JUMPED OVER COMPOUND FENCE AND PUSHED IN EMERGENCY SHUT DOWN. NOTIFIED KEN DeGREENE ON ISSUE. RESTARTED SYSTEM AND COMPLETED WEEKLY O&M. FAXED O&M WORK SHEET TO KEN DeGREENE.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

SECOR International, Incorporated

AirSparging/Vapor Extraction Monitoring Log

SITE INFORMATION

NT/SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7691294CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766

TECHNICIAN Initials: DMS Date: 7/07/05 Weekday: WEDNESDAY Time: 10:55AM

ARRIVAL STATUS: ON/OFF OPERATING HOURS: 24165.48 Alarms: UNKNOWN Person Shut Down System

UTILITIES Gas Meter cfm/ therm Electrical Meter KWh

THERMAL OXIDIZER

Temperature	Process: °F			Post Cat.: °F			
Process Flow	scfm	Change Chart Paper?	Yes/No	Manifold Vacuum:	°H_2O		
Source Well Flow (Pitot Tube)	P: in H_2O	ΔP: in H_2O	Temp.: °F	Source Flow: scfm			
Effluent Flow (Pitot Tube)	P: in H_2O	ΔP: in H_2O	Temp.: °F	Effluent Flow: scfm			
Blower	Amps: A	Lubricate?	Yes/No	Change Oil?	Yes/No	Belts OK?	Yes/No
Dilution Valve	Auto: %open	Manual: %open					
LEL Reading	Set %	PV %					
VES Concentrations	Influent (Diluted) ppm	Influent (Undiluted) ppm	Effluent ppm				
Monitoring Device		Calibration (type/date) /					

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow(scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow								NA
	Deep								NA
SVE-2	Shallow								NA
	Deep								NA
SVE-10	Deep								17 to 25
SVE-11	Deep								17 to 25
SVE-12	Shallow								10 to 20
	Deep								30 to 40
SVE-13	Shallow								10 to 20
	Deep								30 to 40
SVE-14	Shallow								10 to 20
SVE-15	Shallow								10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No

AIR SPARGING SYSTEM MONITORING

Pt No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3							AS-11						
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg 8015M	BTEX & Standard Oxy. 8260B
Influent	Monthly	YES/NO			1 Tedlar Bag	
Effluent	Monthly	YES/NO			1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED

Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

STATUS DEPARTURE: ON/OFF Drums: empty full

Notes: List all activities, observations, recommendations

* Restarted System Only.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 1289	Units:	ThermTech Inc. VAC-25 (Serial No. 7631294CA)
ADDRESS	4661 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766
TECHNICIAN	Initials: Date: 7/29/05	Weekday: FRIDAY	Time: 2:00PM
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 24178.15	Alarms: DOWNDOWN PERSON SHUT DOWN
UTILITIES	Gas Meter cfm/ therm	Electrical Meter	KWh

THERMAL OXIDIZER

Temperature	Process: °F	Post Cat.: °F					
Process Flow	scfm	Change Chart Paper?	Yes/No	Manifold Vacuum.:	°H_2O		
Source Well Flow (Pitot Tube)	P: in H_2O	ΔP: in H_2O	Temp.: °F	Source Flow: scfm			
Effluent Flow (Pitot Tube)	P: in H_2O	ΔP: in H_2O	Temp.: °F	Effluent Flow: scfm			
Blower	Amps: A	Lubricate? Yes/No	Change Oil? Yes/No	Belts OK? Yes/No			
Dilution Valve	Auto: %open	Manual: %open					
LEL Reading	Set %	PV %					
VES Concentrations	Influent (Diluted) ppm	Influent (Undiluted) ppm	Effluent ppm				
Monitoring Device	/	Calibration (type/date) /					

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow (scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow								NA
	Deep								NA
SVE-2	Shallow								NA
	Deep								NA
SVE-10	Deep								17 to 25
SVE-11	Deep								17 to 25
SVE-12	Shallow								10 to 20
	Deep								30 to 40
SVE-13	Shallow								10 to 20
	Deep								30 to 40
SVE-14	Shallow								10 to 20
SVE-15	Shallow								10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No

AIR SPARGING SYSTEM MONITORING

Pt No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3							AS-11						
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
					8015M	8260B
Influent	Monthly	YES/NO			1 Tedlar Bag	
Effluent	Monthly	YES/NO			1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED

Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

STATUS DEPARTURE:	ON/OFF	Drums:	empty / full

Notes: List all activities, observations, recommendations

* RESTARTED SYSTEM ONLY.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

AUG 09 05 01:49P Randy Couture 9156292810 01 p.6

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

NT/SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7631294CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F54766

TECHNICIAN	Initials: MV	Date: 8-2-05		Weekday: Tues		Time: 1230	
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS:	24736	Alarms:	None		
UTILITIES	Gas Meter	4082	cfm/therm	Electrical Meter	41871		KWh

THERMAL OXIDIZER

Temperature	Process: 1143 °F			Post Cat.: 1526			°F
Process Flow	721 scfm	Change Chart Paper?	Yes/No	Manifold Vacuum.:			"H_2O
Source Well Flow (Pitot Tube)	P: 0.45 in H_2O	ΔP: NG in H_2O	Temp.: 170 °F	Source Flow:			scfm
Effluent Flow (Pitot Tube)	P: in H_2O	ΔP: NA in H_2O	Temp.: °F	Effluent Flow:	NA		scfm
Blower	Amps:		A	Lubricate?	Yes/No	Change Oil? Yes/No	Belts OK? Yes/No
Dilution Valve	Auto: IC		%open	Manual: IC			%open
LEL Reading	Set NA		%	PV NA			%
VES Concentrations	Influent (Diluted)	ppm	Influent (Undiluted)	2273 ppm	Effluent	916	ppm
Monitoring Device	Mini Rae 2000			Calibration (type/date)	100 PPM Hex 8-2-05		

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow(scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow	O	35	>9999					NA
	Deep	O		>9999					NA
SVE-2	Shallow	O		4126					NA
	Deep	C		NG					NA
SVE-10	Deep	O		9999					17 to 25
SVE-11	Deep	O		2364					17 to 25
SVE-12	Shallow	O		2943					10 to 20
	Deep	C		NG					30 to 40
SVE-13	Shallow	C		NG					10 to 20
	Deep	C		NG					30 to 40
SVE-14	Shallow	O	V	3118					10 to 20
SVE-15	Shallow	O	V	316					10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No

AIR SPARGING SYSTEM MONITORING

Pt No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3	NA						AS-11	NA					
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg 8015M	BTEX & Standard Oxy. 8260B
Influent	Monthly	YES/NO			1 Tedlar Bag	
Effluent	Monthly	YES/NO			1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED	
Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

STATUS DEPARTURE: ON/OFF Drums: NA empty full

Notes: List all activities, observations, recommendations

System OFF on arrival. Once again someone has jumped over the Fence and pushed the E.S.D. button. Restarted system and took readings and monthly samples

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

ENT/SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7631294CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766
TECHNICIAN	Initials: DMS 8/9/05 Date:	Weekday:	TUESDAY Time: 11:45 AM
ARRIVAL STATUS:	ON/OFF OPERATING HOURS: 24236.57	Alarms:	Illegal SHUT DOWN
UTILITIES	Gas Meter ——— cfm / therm	Electrical Meter	——— KWh

THERMAL OXIDIZER

Temperature	Process: 1601 °F			Post Cat.: 1485 °F			
Process Flow	232 scfm	Change Chart Paper?	Yes/No	Manifold Vacuum.:	35 $^{\circ}H_2O$		
Source Well Flow (Pilot Tube)	P: .44 in H_2O	ΔP: NG in H_2O	Temp.: 98 °F	Source Flow:	232 scfm		
Effluent Flow (Pilot Tube)	P: NA in H_2O	ΔP: NA in H_2O	Temp.: NA °F	Effluent Flow:	NA scfm		
Blower	Amps: NM	All Lubricate?	Yes/No	Change Oil?	Yes/No	Belts OK?	Yes/No
Dilution Valve	Auto: 10%	%open	Manual: 20%	%open			
LEL Reading	Set NA %	PV NA %					
VES Concentrations	Influent (Diluted) TAKE ON NEXT ppm	Influent (Undiluted) O&M ppm	Effluent DAY ppm				
Monitoring Device		Calibration (type/date) /					

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow(scfm)	DTW(ft)	Well Screen (ft)
SVE-1	Shallow	O/O	35						NA
	Deep	O/O		NOT					NA
SVE-2	Shallow	O/O		TAKEN					NA
	Deep	C/C		TAKEN					NA
SVE-10	Deep	C/C		DUE					17 to 25
SVE-11	Deep	C/C		TO LENGTH					17 to 25
SVE-12	Shallow	C/C							10 to 20
	Deep	C/C		OF					30 to 40
SVE-13	Shallow	C/C							10 to 20
	Deep	C/C		SHUT DOWN					30 to 40
SVE-14	Shallow	O/O							10 to 20
SVE-15	Shallow	O/O	↓						10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No
			NA	NA				

AIR SPARGING SYSTEM MONITORING

Pt No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3							AS-11	NA					
AS-4	NA						AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
					8015M	8260B
Influent	Monthly	YES/NO			1 Tedlar Bag	
Effluent	Monthly	YES/NO			1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED	
Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

STATUS DEPARTURE:	ON/OFF	Drums:	1	empty	0 full

Notes: List all activities, observations, recommendations

*(Completed) weekly O&M, ON ARRIVAL System DOWN, Illegal SHUT DOWN ongoing onsite problem, notified Ken DeGreene. Restarted and adjusted system took system numbers only, will take Unox readings next O&M Run Due to length of DOWN Time! FAXED O&M work sheets to Ken DeGreene.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7631294CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766

TECHNICIAN	Initials: DMS	Date: 8/16/2005	Weekday: TUESDAY	Time: 8:53 AM
ARRIVAL STATUS:	(ON/OFF)	OPERATING HOURS: 34402.05	Alarms: None, Completed weekly O&M	
UTILITIES	Gas Meter 4.2 CFM / 4636.2 Therm cfm / therm	Electrical Meter 43122 KWh		

THERMAL OXIDIZER

Temperature	Process: 1678 °F			Post Cat.: 1555 °F			
Process Flow	232 scfm	Change Chart Paper? (Yes/No)		Manifold Vacuum.: 35 "H_2O			
Source Well Flow (Pitot Tube)	P: .44 in H_2O	ΔP: NG in H_2O	Temp.: 94 °F	Source Flow: 232 scfm			
Effluent Flow (Pitot Tube)	P: NA in H_2O	ΔP: NA in H_2O	Temp.: NA °F	Effluent Flow: NA scfm			
Blower	Amps: NM A	Lubricate? (Yes/No)	Change Oil? (Yes/No)	Belts OK? (Yes/No)			
Dilution Valve	Auto: 10% %open	Manual: 20% %open					
LEL Reading	Scl NA %	PV NA %					
VES Concentrations	Influent (Diluted) 7132 ppm	Influent (Undiluted) 79999 ppm	Effluent 21.2 ppm				
Monitoring Device	Mini RAE 2000 (PID)	Calibration (type/date) 100 PPM Hexane 8/16/2005					

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow (scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow	O/O	35	>9999					NA
	Deep	O/O		79999					NA
SVE-2	Shallow	O/O		584					NA
	Deep	C/C		610					NA
SVE-10	Deep	O/O		>9999					17 to 25
SVE-11	Deep	O/O		883	NA	NA	NA	NA	17 to 25
SVE-12	Shallow	O/O		1668					10 to 20
	Deep	C/C		567					30 to 40
SVE-13	Shallow	C/C		624					10 to 20
	Deep	C/C		317					30 to 40
SVE-14	Shallow	O/O		3358					10 to 20
SVE-15	Shallow	O/O		408					10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No
			NA	NA				

AIR SPARGING SYSTEM MONITORING

Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3	NA						AS-11	NA					
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
					8015M	8260B
Influent	Monthly	YES/NO	—	—	1 Tedlar Bag	
Effluent	Monthly	YES/NO	—	—	1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED

Current Permit Posted?	(Yes/No)
VES Flow Rate <250 SCFM?	(Yes/No)
Temperature >1,500 °F?	(Yes/No)
Effluent VOC <50 ppmv (as Hex)?	(Yes/No)

STATUS DEPARTURE: (ON/OFF) | Drums: | empty | Ø full

Notes: List all activities, observations, recommendations

*Completed weekly O&M. Took all readings. Faxed O&M work sheet to Ken DeGreene. System running Great.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

AUG 16 05 01:11P Kandy Couture 9156292810 01 p.2

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7681294CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766
TECHNICIAN	Initials: DMS Date: 8/23/2005	Weekday: TUESDAY	Time: 10:00 AM
ARRIVAL STATUS:	(ON) OFF OPERATING HOURS: 24571.50	Alarms:	None, completed weekly O&M
UTILITIES	Gas Meter 4.5 CFM / 5063.1 Therm cfm / therm	Electrical Meter	44116 KWh

THERMAL OXIDIZER

Temperature	Process: 1653 °F	Post Cat.: 1537 °F		
Process Flow	232 scfm	Change Chart Paper? (Yes/No)	Manifold Vacuum.: 35 "H_2O	
Source Well Flow (Pitot Tube)	P: .44 In H_2O ΔP: .16 In H_2O	Temp.: 98 °F	Source Flow: 232 scfm	
Effluent Flow (Pitot Tube)	P: NA In H_2O ΔP: NA In H_2O	Temp.: NA °F	Effluent Flow: NA scfm	
Blower	Amps: NM A	Lubricate? (Yes/No)	Change Oil? (Yes/No)	Belts OK? (Yes/No)
Dilution Valve	Auto: 10% %open	Manual: 20% %open		
LEL Reading	Set NA %	PV NA %		
VES Concentrations	Influent (Diluted) 8224 ppm	Influent (Undiluted) >9999 ppm	Effluent 18.6 ppm	
Monitoring Device	Mini RAE 2000	Calibration (type/date) 100 ppm Hex / 8/23/2005		

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow(scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow	O / O	35	>9999					NA
	Deep	O / O		>9999					NA
SVE-2	Shallow	O / O		497					NA
	Deep	O / O		664					NA
SVE-10	Deep	O / O		>9999					17 to 25
SVE-11	Deep	O / O		550					17 to 25
SVE-12	Shallow	O / O		1435					10 to 20
	Deep	O / O		402					30 to 40
SVE-13	Shallow	O / O		782					10 to 20
	Deep	O / O		216					30 to 40
SVE-14	Shallow	O / O		3621					10 to 20
SVE-15	Shallow	O / O	↓	352					10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No
			NA	NA				

AIR SPARGING SYSTEM MONITORING

Pt No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3	NA						AS-11	NA					
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
					8015M	8260B
Influent	Monthly	YES/NO	—	—	1 Tedlar Bag	
Effluent	Monthly	YES/NO	—	—	1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED

Current Permit Posted?	(Yes/No)
VES Flow Rate <250 SCFM?	(Yes/No)
Temperature >1,500 °F?	(Yes/No)
Effluent VOC <50 ppmv (as Hex)?	(Yes/No)

STATUS DEPARTURE: (ON/OFF) Drums: empty full

Notes: List all activities, observations, recommendations

* Completed weekly O&M, Took All Readings. Faxed O&M Worksheet To Ken DeGreene. System Operation Check.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

ENT/SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7631294CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766

TECHNICIAN	Initials: DMS	Date: 8/30/2005	Weekday: TUESDAY	Time: 8:32 AM			
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 24738.02	Alarms: none, completed weekly O&M				
UTILITIES	Gas Meter 4.0CFM/5472.2 Therm	cfm/ therm	Electrical Meter 45079	KWh			

THERMAL OXIDIZER

Temperature	Process: 1647 °F		Post Cat.: 1525 °F				
Process Flow	232 scfm	Change Chart Paper? Yes/No	Manifold Vacuum.: 35 "H_2O				
Source Well Flow (Pitot Tube)	P: .49 in H_2O	ΔP: NG in H_2O	Temp.: 98 °F	Source Flow: 232 scfm			
Effluent Flow (Pitot Tube)	P: NA in H_2O	ΔP: NA in H_2O	Temp.: NA °F	Effluent Flow: NA scfm			
Blower	Amps: NM A	Lubricate? Yes/No	Change Oil? Yes/No	Belts OK? Yes/No			
Dilution Valve	Auto: 10% %open	Manual: 20% %open					
LEL Reading	Set NA %	PV NA %					
VES Concentrations	Influent (Diluted) 1563 ppm	Influent (Undiluted) 3164 ppm	Effluent 21.2 ppm				
Monitoring Device	MiNi RAE 2000	Calibration (type/date) 100 PPM Hex 8/30/2005					

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow (scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow	O/O	35	>9999					NA
	Deep	O/O		>9999					NA
SVE-2	Shallow	O/O		517					NA
	Deep	C/C		494					NA
SVE-10	Deep	O/O		79999		NA			17 to 25
SVE-11	Deep	O/O		247					17 to 25
SVE-12	Shallow	O/O		1229					10 to 20
	Deep	C/C		472					30 to 40
SVE-13	Shallow	C/C		455			NA		10 to 20
	Deep	C/C		262					30 to 40
SVE-14	Shallow	O/O		2836					10 to 20
SVE-15	Shallow	O/O		276					10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No

AIR SPARGING SYSTEM MONITORING

Pt No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3	NA						AS-11	NA					
AS-4							AS-12						
AS-5							AS-13						
AS-6				NA			AS-14				NA		
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
					8015M	8260B
Influent	Monthly	YES/NO			1 Tedlar Bag	
Effluent	Monthly	YES/NO			1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED	
Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

STATUS DEPARTURE:	ON/OFF	Drums:	empty	Ø	full

Notes: List all activities, observations, recommendations

*Completed weekly O&M, Took All Readings. Faxed O&M Work Sheet To Ken DeGreenel.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

SECOR International, Incorporated

Air Sparging/Vapor Extraction Monitoring Log

SITE INFORMATION

ENT/SITE	Atlantic Richfield Company Station No. 1289	Unit:	ThermTech Inc. VAC-25 (Serial No. 7631294CA)
ADDRESS	4861 East Firestone Boulevard, South Gate, California	Permit No.:	SCAQMD Permit-to Operate No. F64766

TECHNICIAN	Initials: DMS	Date: 9/6/2005	Weekday: TUESDAY	Time: 11:00 AM			
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: —	Alarms: UNKNOWN Electrical Problem				
UTILITIES	Gas Meter	cfm/ therm	Electrical Meter	KWh			

THERMAL OXIDIZER

Temperature	Process: °F	PostCat.: °F					
Process Flow	scfm	Change Chart Paper? Yes/No	Manifold Vacuum.: "H_2O				
Source Well Flow (Pitot Tube)	P: in H_2O	ΔP: in H_2O	Temp.: °F	Source Flow: scfm			
Effluent Flow (Pitot Tube)	P: in H_2O	ΔP: in H_2O	Temp.: °F	Effluent Flow: scfm			
Blower	Amps: A	Lubricate? Yes/No	Change Oil? Yes/No	Belts OK? Yes/No			
Dilution Valve	Auto: %open	Manual: %open					
LEL Reading	Set %	PV %					
VES Concentrations	Influent (Diluted) ppm	Influent (Undiluted) ppm	Effluent ppm				
Monitoring Device	Calibration (type/date) /						

VAPOR EXTRACTION WELLS

WELL NO.	Well Interval	Status O/C	Vacuum ("wc)	Conc. (ppmv)	ΔP ("wc)	Temp (Deg. F)	Flow (scfm)	DTW (ft)	Well Screen (ft)
SVE-1	Shallow								NA
	Deep								NA
SVE-2	Shallow								NA
	Deep								NA
SVE-10	Deep								17 to 25
SVE-11	Deep								17 to 25
SVE-12	Shallow								10 to 20
	Deep								30 to 40
SVE-13	Shallow								10 to 20
	Deep								30 to 40
SVE-14	Shallow								10 to 20
SVE-15	Shallow								10 to 20

AIR COMPRESSOR MAINTENANCE

Air Compressor	ON/OFF	Tank Pressure (psi)	On-Line	Off-Line	Changed Air Filter?	Yes/No	Changed Oil?	Yes/No

AIR SPARGING SYSTEM MONITORING

Pt No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off	Pt. No.	Flow (scfm)	Pressure (psi)	Cycle On	Cycle Off	Cycle On	Cycle Off
AS-1							AS-9						
AS-2							AS-10						
AS-3							AS-11						
AS-4							AS-12						
AS-5							AS-13						
AS-6							AS-14						
AS-7							AS-15						
AS-8													

MONTHLY CERTIFIED VAPOR SAMPLING

NOTE: Influent and Effluent Samples must be collected within 15 minutes of one another	Collect Sample	Sample Collected?	Sample Date	Sample Time	TPHg	BTEX & Standard Oxy.
					8015M	8260B
Influent	Monthly	YES/NO			1 Tedlar Bag	
Effluent	Monthly	YES/NO			1 Tedlar Bag	

COMPLIANCE - DO NOT OPERATE UNLESS CONDITIONS ARE SATISFIED

Current Permit Posted?	Yes/No
VES Flow Rate <250 SCFM?	Yes/No
Temperature >1,500 °F?	Yes/No
Effluent VOC <50 ppmv (as Hex)?	Yes/No

STATUS DEPARTURE:	ON/OFF	Drums:	empty / full

Notes: List all activities, observations, recommendations

*System Down On Arrival, Inspected System, No Power to Main System Panel. Checked Main Breaker Panel, System Tripped 2 Breakers 2-30 Amp and one 30 Amp, Reset Breaker and System Panel Began to Spark & Smoke. Shut Down Electrical Breakers, Contacted Ken DeGreene & Locked out Power Box and Tagged turned All Power Switches on Main Panel Off.

All O&M activities must be conducted every seven days or sooner unless otherwise indicated by a "*(Monthly)*" note.

System is Locked & Tagged out.

Appendix D
Waste Disposal Documents

261743-3

NO. 26689

C1 7.5 100

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

		GENERATING SITE
NAME	BP West Coast Products LLC	ARCO STATION # 1289
ADDRESS	P.O. Box 80249	4861 E. FIRESTONE BLVD.
CITY, STATE, ZIP	Rancho Santa Margarita, CA 92688	SOUTH GATE
PHONE NO.	(949) 753-5820	SITE CONTACT: PROFILE NO.

CONTAINERS: No. 1 GALLONS X 378 Gallons WEIGHT

TYPE: [X] TANK TRUCK [ ] DUMP TRUCK [ ] DRUMS [ ] CARTONS [ ] OTHER

WASTE DESCRIPTION: NON-HAZARDOUS WATER

GENERATING PROCESS: GROUNDWATER SAMPLING

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%	4.		
2. TPH		< 1%	5.		
3.			6. BESI # 114524		

PROPERTIES pH 7 [ ] SOLID [X] LIQUID [ ] SLUDGE [ ] SLURRY [ ] OTHER

HANDLING INSTRUCTIONS: WEAR APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Moothart as Agent of BP West Coast Products LLC — TYPED OR PRINTED FULL NAME & SIGNATURE — DATE 08 / 01 / 05

TRANSPORTER

NAME	NIETO AND SONS TRUCKING, INC.	EPA I.D. NO.	
ADDRESS	1281 BREA CANYON ROAD	SERVICE ORDER NO.	
CITY, STATE, ZIP	BREA, CALIFORNIA 92821	PICK UP DATE	08 / 01 / 05
PHONE NO.	(714) 990-6855		
TRUCK, UNIT, I.D. NO.	X-223	TYPED OR PRINTED FULL NAME & SIGNATURE	DATE 08 / 01 / 05

TSD FACILITY

NAME	DeMenno Kerdoon	EPA I.D. NO.	
ADDRESS	2000 N. Alameda Street	DISPOSAL METHOD	[ ] LANDFILL [X] RECYCLER
CITY, STATE, ZIP	Compton, CA 90222		Recycler
PHONE NO.	310-537-7100		

FAC# 1289

ID# 33968

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE 8/02/05

GEN	OLD/NEW	L A	TONS
TRANS		S B	
C/Q		RT/CD	HWDF NONE

DISCREPANCY