SECOR

SECOR INTERNATIONAL INCORPORATED

www.secor.com

290 Conejo Ridge Avenue
Thousand Oaks, CA 91361
805-230-1266 TEL
805-230-1277 FAX

ATLANTIC RICHFIELD COMPANY QUARTERLY REPORT
Quarter 4, 2005 (January 15, 2006)

Station No.: 0069 Address: 9922 South Figueroa Street, Los Angeles, California
Atlantic Richfield Company Environmental Engineer/Phone No.: Jack Oman (714) 730-1898
Consulting Co./Contact Person/Phone No.: SECOR/Mr. Don Indermill/ (805) 230-1266 Ext 269
SECOR Project No.: 37BP.U0069.04
Primary Agency/Regulatory ID No.: LARWQCB / Mr. Jimmy Woo /File No. 905040061
Other Agencies to Receive Copies: None

WORK PERFORMED THIS QUARTER [Fourth - 2005]:

1. Conducted quarterly groundwater sampling and prepared Quarterly Report.
2. Restarted remediation system.
3. Conducted remediation system operation and maintenance.

WORK PROPOSED FOR NEXT QUARTER [First - 2006]:

1. Conduct quarterly groundwater sampling and prepare Quarterly Report.
2. Continue EFRs in wells MW-5 and MW-6, if needed.
3. Conduct remediation system operation and maintenance.

Current Phase of Project:	Monitoring/Remediation	(Assmnt, Remed. etc)
Frequency of Sampling:	Quarterly	(Quarterly, etc.)
Frequency of Monitoring:	Quarterly	(Monthly, etc.)
Separate Phase Hydrocarbon Present On-Site	No	(Yes/No)
Cumulative SPH Recovered to Date:	2.21	(gallons)
SPH Recovered This Quarter:	0	(gallons)
Bulk Soil Removed to Date:	Unknown	(cubic yards)
Bulk Soil Removed This Quarter:	None	(cubic yards)
Water Wells or Surface Waters (4000-ft radius)	Well 2S/13W-31K02	
Radius & Their Respective Directions:	2,000' North (status unknown)	(Distance and Direction)
Current Remediation Techniques:	EFR, SVE	(SVE, SPH Removal etc.)
Permits for Discharge:	AQMD	(NPDES, POTW, etc.)
Approximate Depth to Groundwater:	Range: 21.58 to 22.60	(Measured Feet)
Groundwater Gradient:	Southeast	(Direction)
	0.003 feet/foot	(Magnitude)

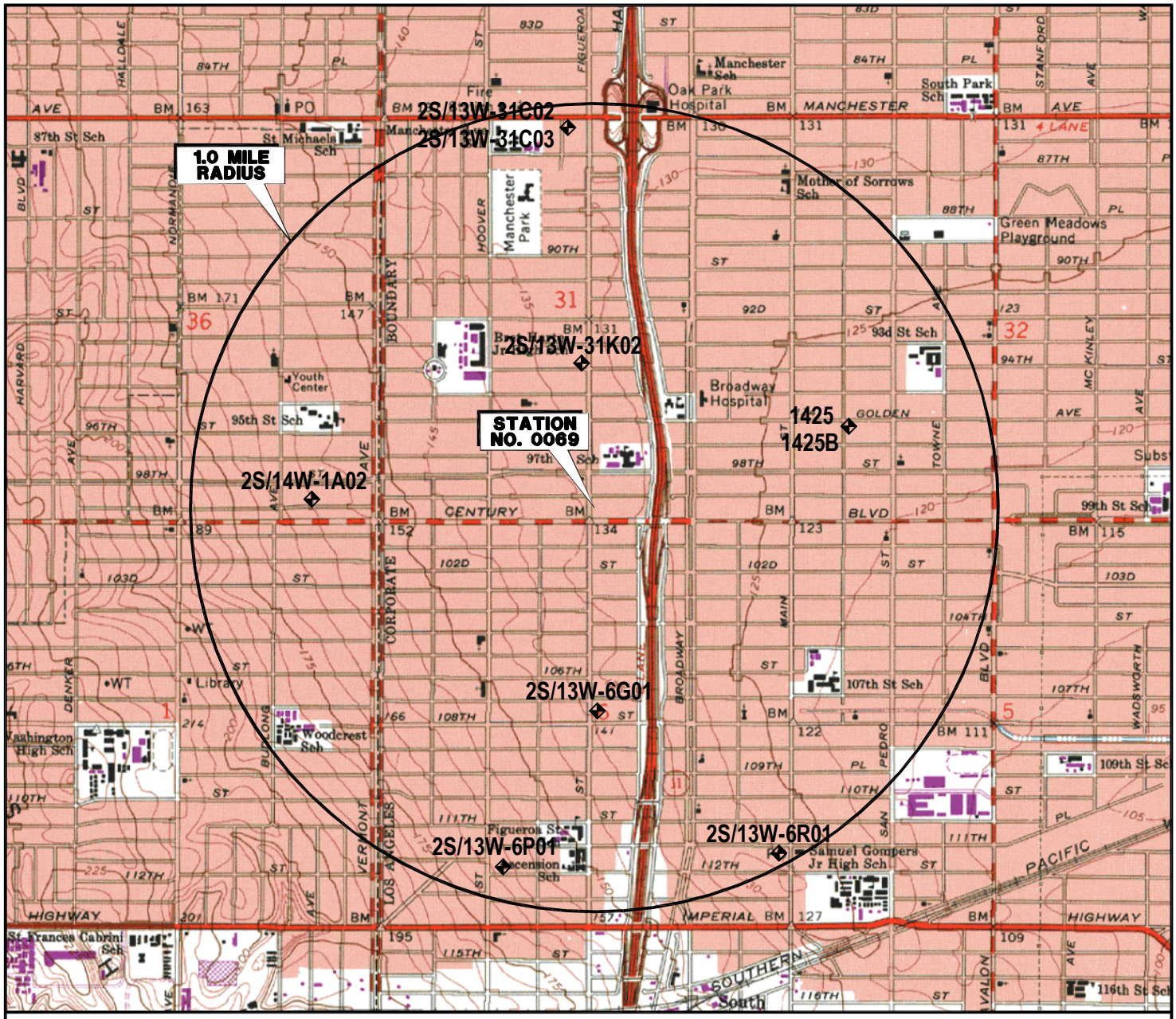
REGISTERED GEOLOGIST
DONALD C. INDERMILL
No. 5102
Exp. 31 Mar 2006
STATE OF CALIFORNIA

Agency Directive Requirement: Continue Quarertly Monitoring

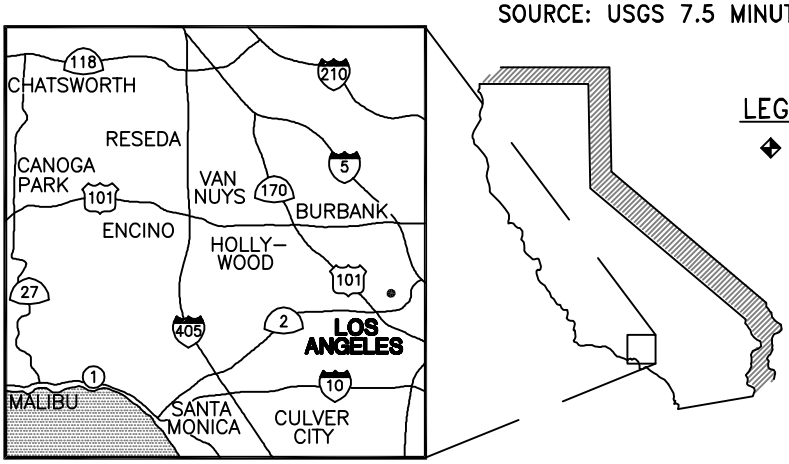
ATTACHED:

Figure 1 - Site Location Map Showing Wells Within A One-Mile Radius
Figure 2 - Site Map Showing Groundwater Monitoring Well Locations
Figure 3 - Site Map Showing Groundwater Contour and Hydrocarbon Concentration Map
Figure 4 - GRO Isoconcentration Map
Figure 5 - Benzene Isoconcentration Map
Figure 6 - MTBE Isoconcentration Map
Figure 7 - TBA Isoconcentration Map
Figure 8 - Cumulative Pounds of Gasoline Range Organics Removed
Table 1 - SVE Operation Report
Table 2 - Summary of SVE Operation Data
Table 3a,b,c - Daily Operational Log
Table 4a - Individual Air Sparge Well Monitoring Data
Table 4b - Individual Soil Vapor Extraction Well Field Monitoring Data
Table 5 - Summary of Process Vapor Sampling Results
Table 6 - Summary of Individual Well Vapor Analytical Results
Table 7 - Summary of Grourdwater Analytical and Elevation Results
Table 8 - Summary of Enhanced Fluid Recovery (EFR) Data (Discontinued)
Appendix A - Laboratory Report and Chain-of-Custody
Appendix B - Groundwater Sampling and O&M Field Data Sheets
Appendix C - Waste Disposal Documents

Figures



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAPS, INGLEWOOD QUADRANGLE, 1964
PHOTO REVISED; 1981



LEGEND

◆ PRODUCTION WELL LOCATION (ACTIVE)

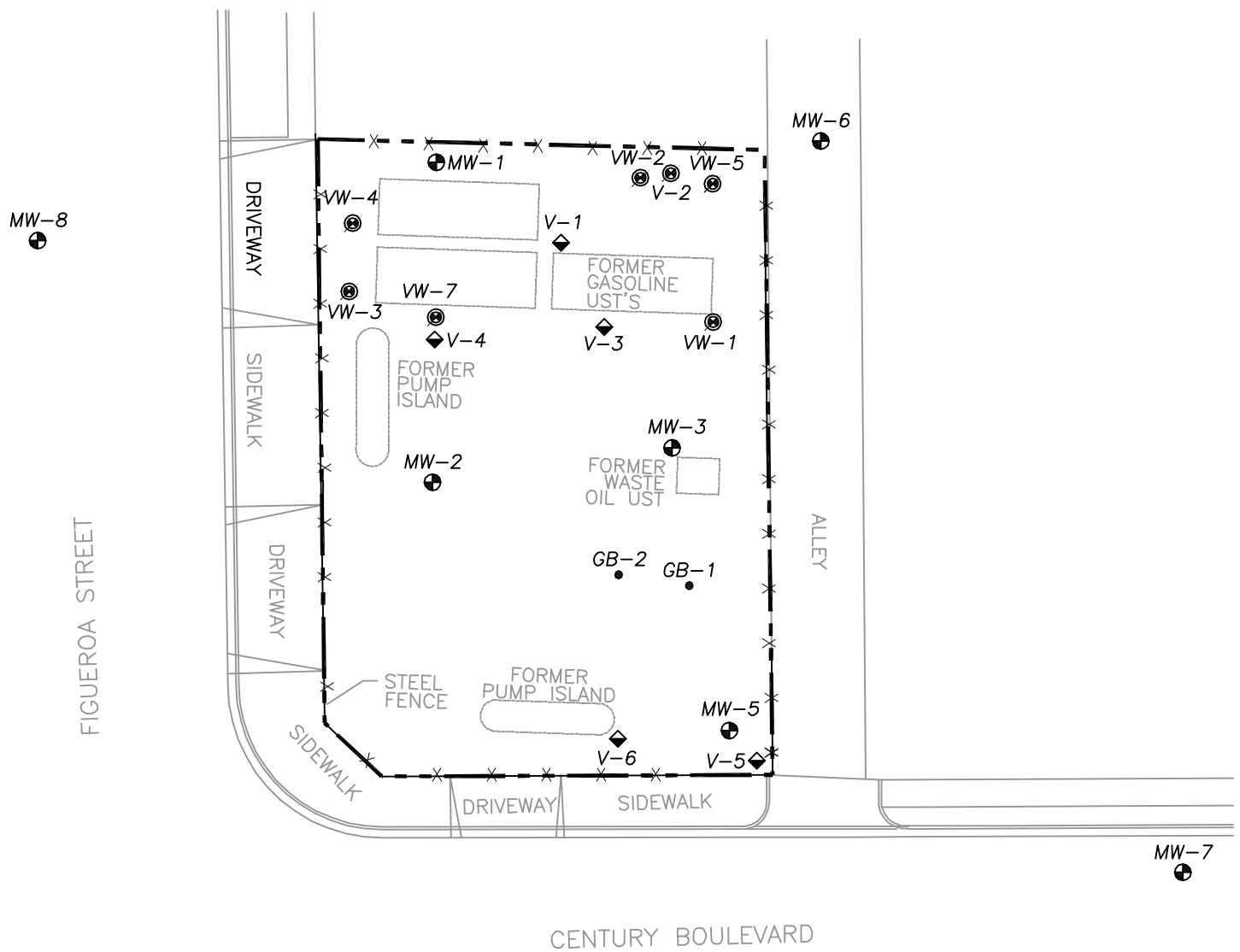
N

0 2000 4000

APPROXIMATE SCALE (FEET)

SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)	PREPARED FOR: ATLANTIC RICHFIELD COMPANY STATION NO. 0069 9922 FIGUEROA STREET LOS ANGELES, CALIFORNIA		**SITE LOCATION MAP SHOWING WELLS WITHIN A ONE-MILE RADIUS**		FIGURE: **1**
	JOB NUMBER: 37BP.U0069.04/3143	DRAWN BY: RLE	CHECKED BY: L. Moreno	APPROVED BY: D. Indermill	DATE: 01/15/06

\ARCO\0069 Los Angeles\GIS\SLM-CLR\ 0069-SLMR



LEGEND

- SITE PROPERTY LINE
- MW-2 — GROUNDWATER MONITORING WELL LOCATION
- V-6 — VADOSE MONITORING WELL LOCATION
- VW-2 — ABANDONED VENT WELL/ BORING LOCATION
- GB-1 — SOIL BORING LOCATION

N

NOTES:

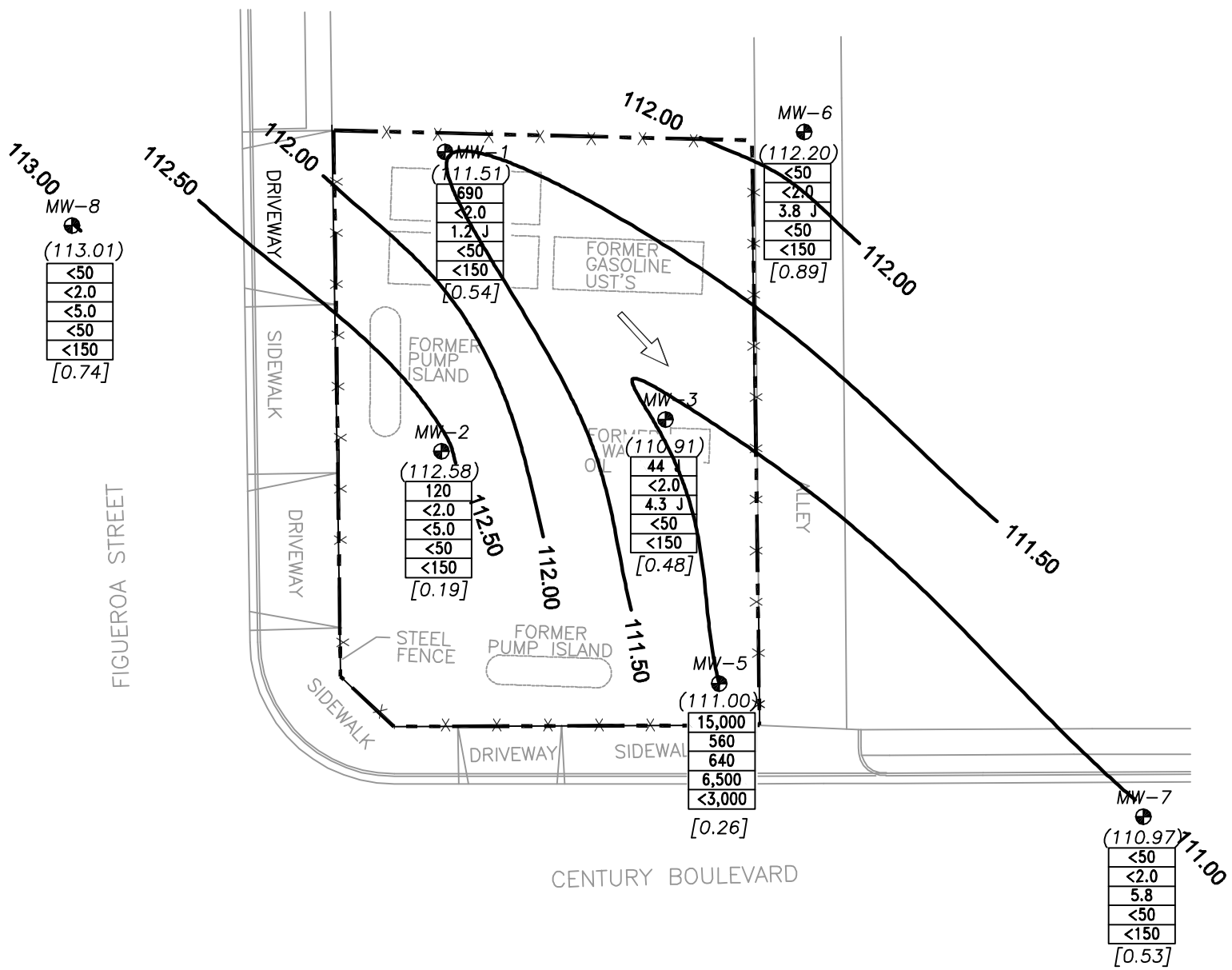
1. SOURCE OF MAP: SECOR MAP DATED DECEMBER 2003 AND COUNTY ASSESSORS MAP DATED DECEMBER 17 1965.
2. GROUNDWATER MONITORING WELLS SURVEYED BY W.M. HOLDINGS JUNE 24, 2004.

0 30 60

APPROXIMATE SCALE (FEET)

SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)	FOR: ATLANTIC RICHFIELD COMPANY STATION NO. 0069 9922 FIGUEROA STREET LOS ANGELES, CALIFORNIA		**SITE MAP SHOWING GROUNDWATER MONITORING WELL LOCATIONS**		FIGURE: **2**
	JOB NUMBER: 37BP.U0069.04/3143	DRAWN BY: RLE	CHECKED BY: L. Moreno	APPROVED BY: D. Indermill	DATE: 01/15/06

FILEPATH:M:\ARCO\QTRLY-GW.MAP\0069\0069-GW\dwg\Q4\Q4-05\0069-Q4GW05.dwg|rerdman|Jan 12, 2006 at 8:24|Layout: SM_FIG2



LEGEND

— — — —	SITE PROPERTY LINE
MW–2 ⊕	GROUNDWATER MONITORING WELL LOCATION
(112.58)	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)
[0.19]	DISSOLVED–OXYGEN CONCENTRATIONS IN GROUNDWATER
(J)	ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT (MDL)
⌒	GROUNDWATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)
⇨	GROUNDWATER FLOW DIRECTION

N

NOTES:

1. SOURCE OF MAP: SECOR MAP DATED DECEMBER 2003 AND COUNTY ASSESSORS MAP DATED DECEMBER 17 1965.
2. GROUNDWATER MONITORING WELLS SURVEYED BY W.M. HOLDINGS JUNE 24, 2004.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON OCTOBER 13, 2005.

0 30 60

APPROXIMATE SCALE (FEET)

SECOR
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
(805) 230-1266/230-1277 (Fax)

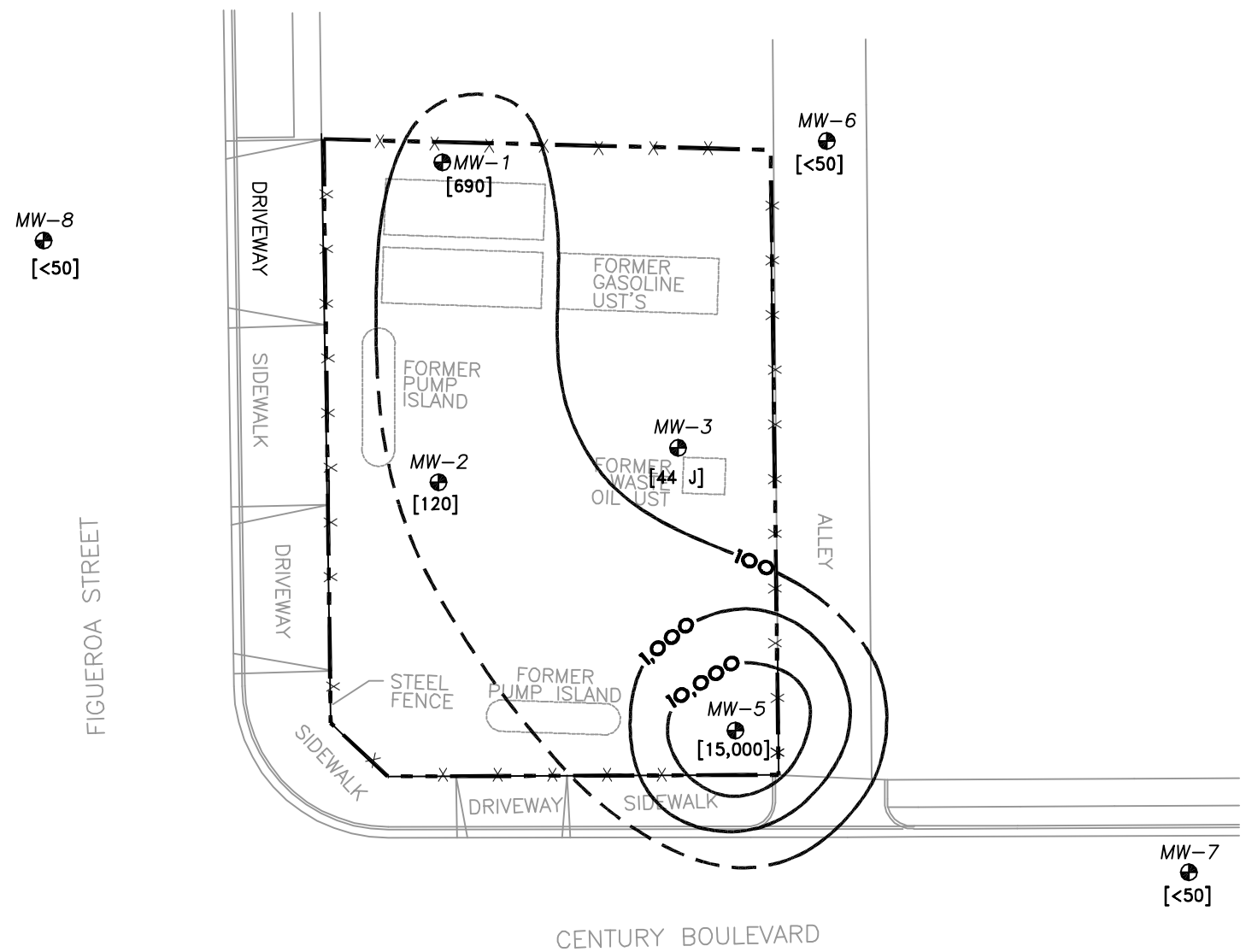
FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 0069
9922 FIGUEROA STREET
LOS ANGELES, CALIFORNIA

SITE MAP SHOWING GROUNDWATER CONTOUR AND HYDROCARBON CONCENTRATIONS

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.U0069.04/3143	RLE	L. Moreno	D. Indermill	01/15/06

FILEPATH: M:\ARCO\QTRLY-GW.MAP\0069\0069-GW\dwg\Q4\Q4-05\0069-Q4GW05.dwg | rerdman | Jan 12, 2006 at 8:24 | Layout: GW_FIG3



LEGEND

- SITE PROPERTY LINE
- MW-2 — GROUNDWATER MONITORING 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 LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT (MDL)

N

NOTES:

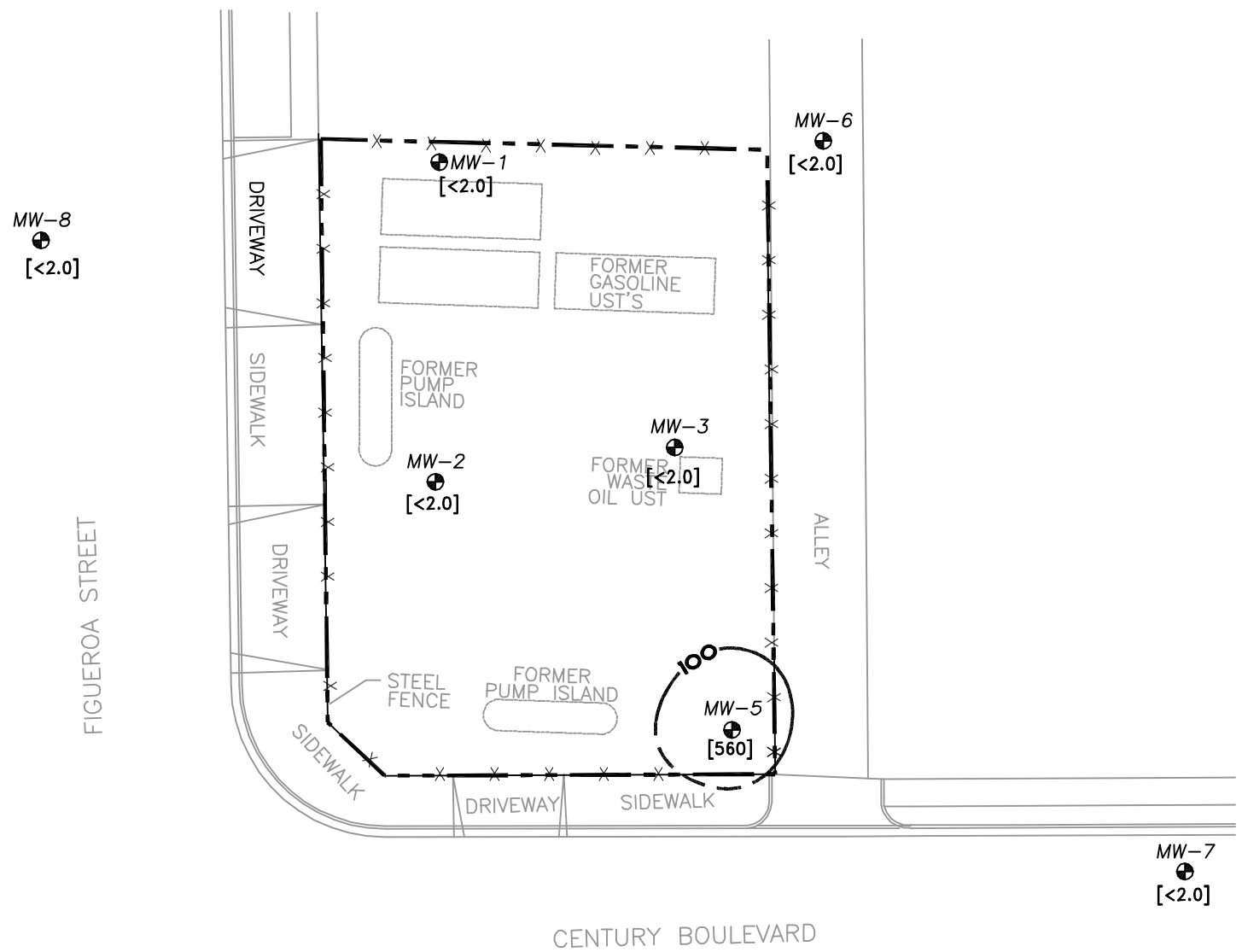
1. SOURCE OF MAP: SECOR MAP DATED DECEMBER 2003 AND COUNTY ASSESSORS MAP DATED DECEMBER 17 1965.
2. GROUNDWATER MONITORING WELLS SURVEYED BY W.M. HOLDINGS JUNE 24, 2004.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON OCTOBER 13, 2005.

0 30 60

APPROXIMATE SCALE (FEET)

SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)	FOR: ATLANTIC RICHFIELD COMPANY STATION NO. 0069 9922 FIGUEROA STREET LOS ANGELES, CALIFORNIA		**GRO ISOCONCENTRATION MAP**		FIGURE: **4**
	JOB NUMBER: 37BP.U0069.04/3143	DRAWN BY: RLE	CHECKED BY: L. Moreno	APPROVED BY: D. Indermill	DATE: 01/15/06

FILEPATH:M:\ARCO\QTRLY-GW.MAP\0069\0069-GW\dwg\Q4\Q4-05\0069-Q4GW05.dwg| rerdman|Jan 12, 2006 at 8:25|Layout: GRO_FIG4



LEGEND

— — —	SITE PROPERTY LINE
MW-2 ⊕	GROUNDWATER MONITORING WELL LOCATION
[BENZ]	BENZENE CONCENTRATIONS IN MICROGRAMS PER LITER (μg/L)
∼	TPHG ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)
(J)	ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT (MDL)

N

NOTES:

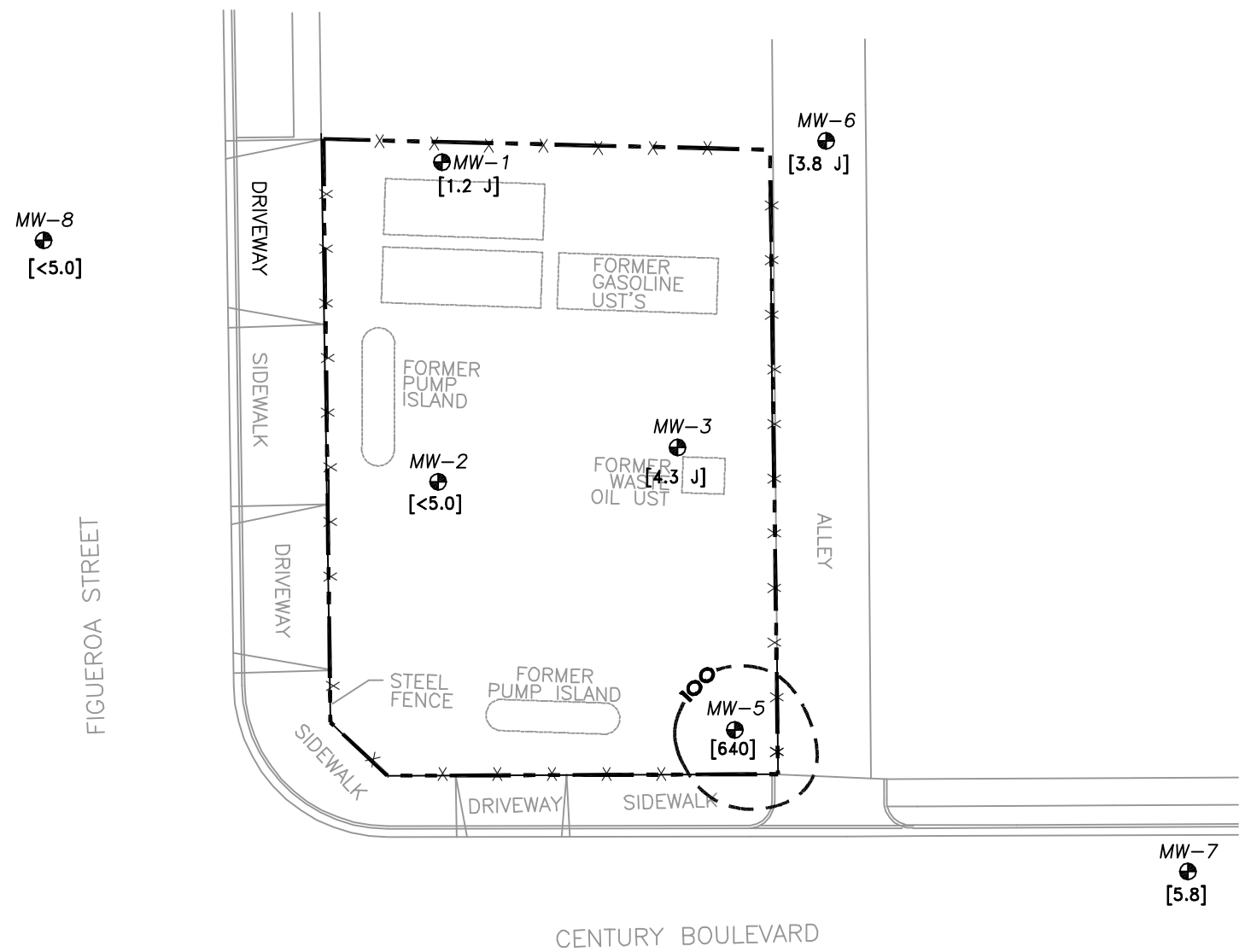
1. SOURCE OF MAP: SECOR MAP DATED DECEMBER 2003 AND COUNTY ASSESSORS MAP DATED DECEMBER 17 1965.
2. GROUNDWATER MONITORING WELLS SURVEYED BY W.M. HOLDINGS JUNE 24, 2004.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON OCTOBER 13, 2005.

0 30 60

APPROXIMATE SCALE (FEET)

SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)	FOR: ATLANTIC RICHFIELD COMPANY STATION NO. 0069 9922 FIGUEROA STREET LOS ANGELES, CALIFORNIA		**BENZENE ISOCONCENTRATION MAP**		FIGURE: **5**
	JOB NUMBER: 37BP.U0069.04/3143	DRAWN BY: RLE	CHECKED BY: L. Moreno	APPROVED BY: D. Indermill	DATE: 01/15/06

FILEPATH:M:\ARCO\QTRLY-GW.MAP\0069\0069-GW\dwg\Q4\Q4-05\0069-Q4GW05.dwg | rerdman | Jan 12, 2006 at 8:25 | Layout: BENZENE_FIG5



LEGEND

N

SITE PROPERTY LINE

MW-2 — GROUNDWATER MONITORING WELL LOCATION

[MTBE] — METHYL TERTIARY BUTYL ETHER CONCENTRATIONS IN MICROGRAMS PER LITER (μg/L)

METHYL TERTIARY BUTYL ETHER ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

(J) — ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT (MDL)

NOTES:

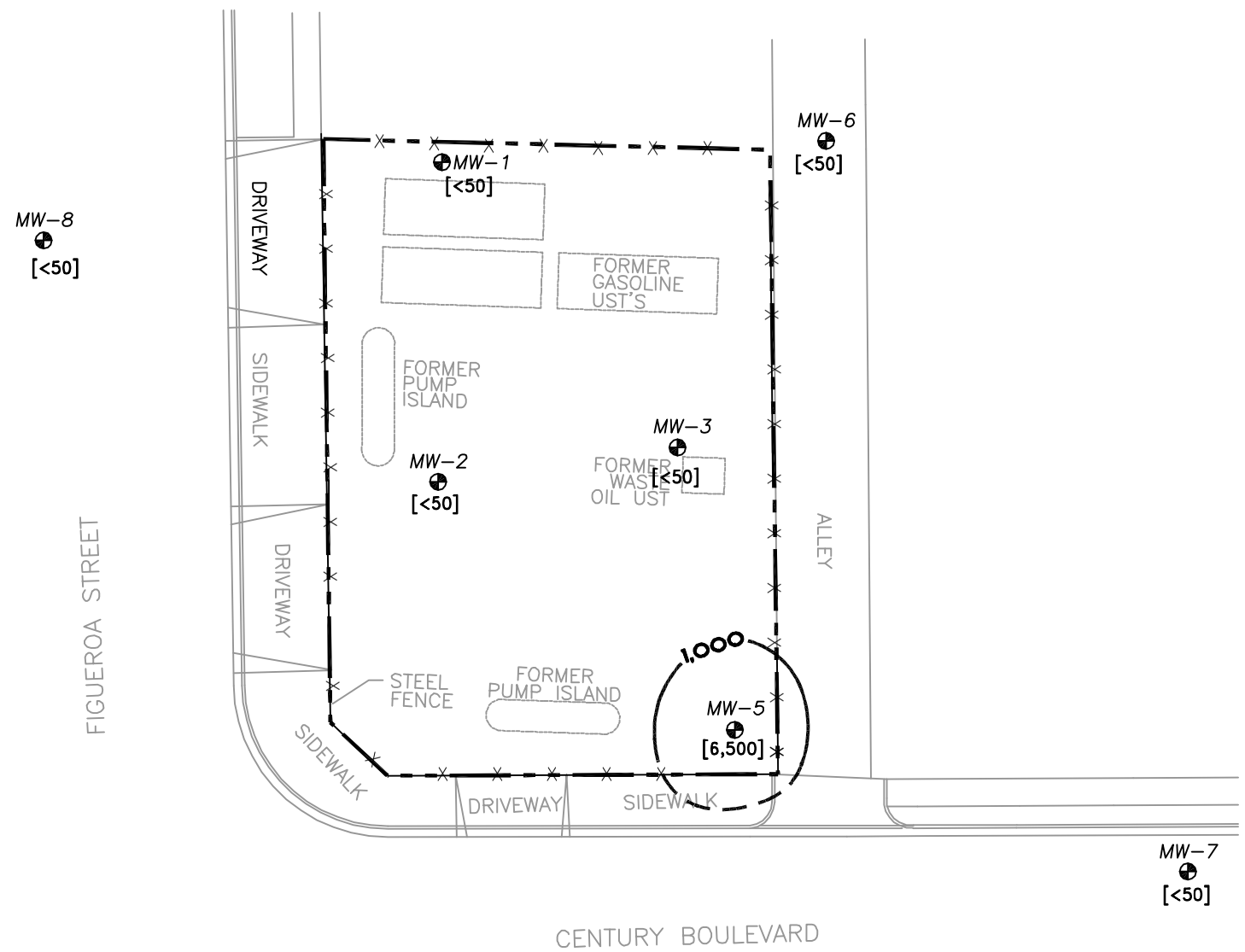
1. SOURCE OF MAP: SECOR MAP DATED DECEMBER 2003 AND COUNTY ASSESSORS MAP DATED DECEMBER 17 1965.
2. GROUNDWATER MONITORING WELLS SURVEYED BY W.M. HOLDINGS JUNE 24, 2004.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON OCTOBER 13, 2005.

0 30 60

APPROXIMATE SCALE (FEET)

SECOR 290 Conejo Ridge Avenue, Suite 200 Thousand Oaks, CA 91361 (805) 230-1266/230-1277 (Fax)	FOR: ATLANTIC RICHFIELD COMPANY STATION NO. 0069 9922 FIGUEROA STREET LOS ANGELES, CALIFORNIA		**MTBE ISOCONCENTRATION MAP**		FIGURE: **6**
	JOB NUMBER: 37BP.U0069.04/3143	DRAWN BY: RLE	CHECKED BY: L. Moreno	APPROVED BY: D. Indermill	DATE: 01/15/06

FILEPATH:M:\ARCO\QTRLY-GW.MAP\0069\0069-GW\dwg\Q4\Q4-05\0069-Q4GW05.dwg | rerdman | Jan 12, 2006 at 8:25 | Layout: MTBE_FIG6



LEGEND

N

SITE PROPERTY LINE

MW-2 — GROUNDWATER MONITORING WELL LOCATION

[TBA] — TERTIARY BUTANOL CONCENTRATIONS IN MICROGRAMS PER LITER (μg/L)

TERTIARY BUTANOL ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)

(J) — ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT (MDL)

NOTES:

1. SOURCE OF MAP: SECOR MAP DATED DECEMBER 2003 AND COUNTY ASSESSORS MAP DATED DECEMBER 17 1965.
2. GROUNDWATER MONITORING WELLS SURVEYED BY W.M. HOLDINGS JUNE 24, 2004.
3. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON OCTOBER 13, 2005.

0 30 60

APPROXIMATE SCALE (FEET)

SECOR
290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
(805) 230-1266/230-1277 (Fax)

FOR:
ATLANTIC RICHFIELD COMPANY
STATION NO. 0069
9922 FIGUEROA STREET
LOS ANGELES, CALIFORNIA

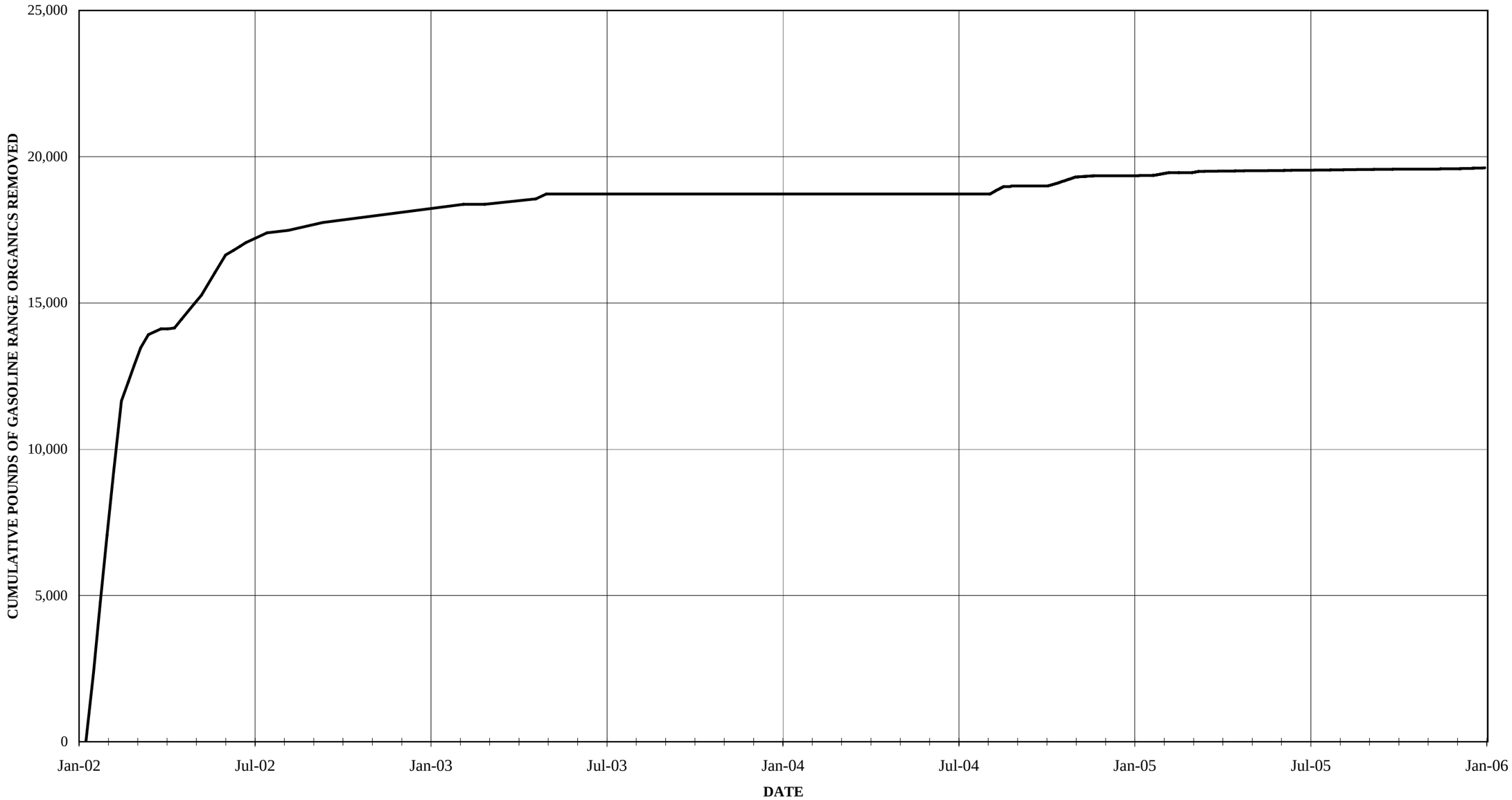
TBA
ISOCONCENTRATION MAP

FIGURE: **7**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.U0069.04/3143	RLE	L. Moreno	D. Indermill	01/15/06

FILEPATH:M:\ARCO\QTRLY-GW.MAP\0069\0069-GW\dwg\Q4\Q4-05\0069-Q4GW05.dwg| rerdman|Jan 12, 2006 at 8:26|Layout: TBA_FIG7

FIGURE 8
ATLANTIC RICHFIELD COMPANY SERVICE STATION NO. 0069
CUMULATIVE POUNDS OF GASOLINE RANGE ORGANICS REMOVED



Tables

TABLE 1
SVE OPERATION REPORT

ARCO STATION NO. 0069 **9922 Figueroa Street, Los Angeles, CA** **VES SUMMARY OF THE OPERATING PERIOD** **Fourth Quarter, 2005**	
Atlantic Richfield Company Engineer:	Ray Vose
Consultant:	SECOR International Incorporated
Lead Agency:	SCAQMD
Reporting Period:	October 1, 2005 through December 31, 2005
Equipment Inventory:	King, Buck/Hasstech, Model MMC-5A Skid Mounted
Operating Mode:	Catalytic Oxidation
SCAQMD Permit #:	F64757
Influent GRO Concentration at system start up:	System startup 1/9/02
Field observed concentration:	1,904 ppmv
Laboratory reported concentration:	760 ppmv
Influent Benzene Concentration at system start up:	System startup 2/19/04
Field observed concentration:	not measured
Laboratory reported concentration:	1.9 ppmv
Influent GRO Concentration at end of period:	
Field observed concentration:	311 ppmv (12/8/05)
Laboratory reported concentration:	49 ppmv (12/8/05)
Influent Benzene Concentration at end of period:	
Field observed concentration:	not measured
Laboratory reported concentration:	<0.002 ppmv (12/8/05)
Flow Rate at end of period:	195 scfm (12/29/05)
Gasoline Range Organics Removed This Period:	47 lb
Utility usage:	
Electricity:	2,286 kWh
Natural Gas:	918 Therms
Percent up time during this period:	19% (Vapor Extraction)
Number of auto shut downs during this period:	1 (Vapor Extraction)

Notes:
NA = Not Available
GRO = Gasoline Range Organics (C_4 - C_{12})

TABLE 2
SUMMARY OF SVE OPERATION DATA

ARCO STATION NO. 0069 **9922 Figueroa Street, Los Angeles, CA** **VES OPERATING REPORT** **Fourth Quarter, 2005**			
CURRENT SOURCE (Without Dilution Air Added)			
Current Well Source:	VE-6, MW-5, V-1 low, V-1 high, V-1 mid, V-3 low, V-3 high		
GRO Concentration at end of period:	49	ppmv	(12/8/05)
GRO Concentration at end of last period:	10	ppmv	(9/8/05)
Initial GRO Concentration:	760	ppmv	(initial startup 2/19/04)
Benzene Concentration at end of period:	0.006	ppmv	(12/8/05)
Benzene Concentration at end of last period:	<0.001	ppmv	(9/8/05)
Initial Benzene Concentration:	1.9	ppmv	(initial startup 2/19/04)
CURRENT PROCESS (With Dilution Air Added) - INFLUENT SUMMARY			
GRO Concentration at end of period:	NA		
GRO Concentration at end of last period:	NA		
Benzene Concentration at end of period:	NA		
Benzene Concentration at end of last period:	NA		
Initial Benzene Concentration:	NA		
CURRENT PROCESS - EFFLUENT SUMMARY			
GRO Concentration at end of period:	<1.0	ppmv	(12/8/05)
GRO Permit Requirement Concentration:	50	ppmv	(as Hexane)
Percent (%) TPH Conversion:	99.5	%	
Benzene Concentration at end of period:	<0.002	ppmv	(12/8/05)
Benzene Permit Requirement Concentration:	0.4	ppmv	
MTBE Concentration at end of period:	NM	ppmv	
MTBE Permit Requirement Concentration:	3.9	ppmv	
Cumulative Hydrocarbons removed:	19,621	lb	
Avg. Stack Temperature (Process):	805	deg. F	
(Catalytic/Outlet):	802	deg. F	
Avg. Source Flow:	174	scfm	
Avg. Effluent Flow:	174	scfm	
Avg. Source Vacuum:	61	in. H_2O	

Notes:
Average values do not include down time.
NA = Not Applicable
NM = Not Measured
GRO = Gasoline Range Organics (C_4 - C_{12})

TABLE 3a

DAILY OPERATIONAL LOG
ATLANTIC RICHFIELD COMPANY SERVICE STATION #0069
SYSTEM START-UP DATE: 1/9/02

OCTOBER, 2005

DATE	DATA SOURCE	NOTES	LAB INFLUENT CONC. SOURCE (PPMV)	LAB EFFLUENT CONC. (PPMV)	FIELD INFLUENT CONC. SOURCE (PPMV)	FIELD EFFLUENT CONC. (PPMV)	GRO CONV. (%)	SOURCE FLOW (SCFM)	MANIFOLD VACUUM (IN H2O)	PROCESS TEMP. (DEG F)	CATALYTIC /OUTLET TEMP. (DEG F)	CUMULATIVE HYDROCARBONS REMOVED (LB)	HOURS ON-LINE
10/01/05	*				150	0.0	79.0	146	66	1,428	1,418	19,574	15.5
10/02/05	system off											19,574	0.0
10/03/05	system off											19,574	0.0
10/04/05	system off											19,574	0.0
10/05/05	system off											19,574	0.0
10/06/05	system off											19,574	0.0
10/07/05	system off											19,574	0.0
10/08/05	system off											19,574	0.0
10/09/05	system off											19,574	0.0
10/10/05	system off											19,574	0.0
10/11/05	system off											19,574	0.0
10/12/05	system off											19,574	0.0
10/13/05	TECH	1			150	0.0	79.0	146	66	1,428	1,418	19,574	0.1
10/14/05	system off											19,574	0.0
10/15/05	system off											19,574	0.0
10/16/05	system off											19,574	0.0
10/17/05	system off											19,574	0.0
10/18/05	system off											19,574	0.0
10/19/05	system off											19,574	0.0
10/20/05	TECH				150	0.0	79.0	146	66	1,428	1,418	19,574	0.3
10/21/05	system off											19,574	0.0
10/22/05	system off											19,574	0.0
10/23/05	system off											19,574	0.0
10/24/05	TECH	2			211	13.0	79.0	247	66	721	720	19,575	16.0
10/25/05	*				211	13.0	79.0	247	66	721	720	19,576	24.0
10/26/05	*				211	13.0	79.0	247	66	721	720	19,577	24.0
10/27/05	TECH	3	79	<1.0	266	0.8	99.4	156	66	730	728	19,578	6.2
10/28/05	system off											19,578	0.0
10/29/05	system off											19,578	0.0
10/30/05	system off											19,578	0.0
10/31/05	system off											19,578	0.0

TOTAL POUNDS OF HYDROCARBONS REMOVED SINCE INITIAL START UP	19,578
TOTAL POUNDS OF HYDROCARBONS REMOVED DURNG THIS MONTH	4
TOTAL HOURS ON-LINE DURING THIS MONTH	86

Notes:
1 - System down for catalytic block installation.
2 - Reprogrammed controllers. Restarted system in catalytic mode.
3 - Certified vapor sampling. Shut down system upon departure.

TECH - Technician performed O&M on this date
GRO - Gasoline Range Organics (C_4 - C_{12})
* - Data extrapolated
-- - Not Applicable

TABLE 3b

DAILY OPERATIONAL LOG
ATLANTIC RICHFIELD COMPANY SERVICE STATION #0069
SYSTEM START-UP DATE: 1/9/02

NOVEMBER, 2005

DATE	DATA SOURCE	NOTES	LAB INFLUENT CONC. SOURCE (PPMV)	LAB EFFLUENT CONC. (PPMV)	FIELD INFLUENT CONC. SOURCE (PPMV)	FIELD EFFLUENT CONC. (PPMV)	GRO CONV. (%)	SOURCE FLOW (SCFM)	MANIFOLD VACUUM (IN H2O)	PROCESS TEMP. (DEG F)	CATALYTIC /OUTLET TEMP. (DEG F)	CUMULATIVE HYDROCARBONS REMOVED (LB)	HOURS ON-LINE
11/01/05	system off											19,578	0.0
11/02/05	system off											19,578	0.0
11/03/05	system off											19,578	0.0
11/04/05	TECH	1			192	0.0	99.4	142	68	728	723	19,578	0.4
11/05/05	system off											19,578	0.0
11/06/05	system off											19,578	0.0
11/07/05	system off											19,578	0.0
11/08/05	system off											19,578	0.0
11/09/05	system off											19,578	0.0
11/10/05	TECH	2										19,578	0.0
11/11/05	system off											19,578	0.0
11/12/05	system off											19,578	0.0
11/13/05	system off											19,578	0.0
11/14/05	TECH	3			219	7.0	99.4	189	60	718	721	19,580	11.7
11/15/05	*				219	7.0	99.4	189	60	718	721	19,585	24.0
11/16/05	*				219	7.0	99.4	189	60	718	721	19,588	13.6
11/17/05	TECH	4			219	7.0	99.4	189	60	718	721	19,588	0.0
11/18/05	system off											19,588	0.0
11/19/05	system off											19,588	0.0
11/20/05	system off											19,588	0.0
11/21/05	system off											19,588	0.0
11/22/05	system off											19,588	0.0
11/23/05	TECH				219	7.0	99.4	189	60	718	721	19,588	0.1
11/24/05	system off											19,588	0.0
11/25/05	system off											19,588	0.0
11/26/05	system off											19,588	0.0
11/27/05	system off											19,588	0.0
11/28/05	system off											19,588	0.0
11/29/05	system off											19,588	0.0
11/30/05	system off											19,588	0.0

TOTAL POUNDS OF HYDROCARBONS REMOVED SINCE INITIAL START UP	19,588
TOTAL POUNDS OF HYDROCARBONS REMOVED DURNG THIS MONTH	10
TOTAL HOURS ON-LINE DURING THIS MONTH	50

Notes:
1 = Restarted system. Took readings. Shut down system upon departure.
2 = Unable to start system due to air failure alarm. Trouble shot pressure switch and other parts.
3 = Adjusted timer to 30 seconds. Restarted system.
4 = System down due to air failure fuse to control panel blew out upon restart.
5 = Replace blown fuse. System still unable to start.

TECH - Technician performed O&M on this date
* - Data extrapolated
GRO - Gasoline Range Organics (C_4 - C_{12})
-- - Not Applicable

TABLE 3c

DAILY OPERATIONAL LOG
ATLANTIC RICHFIELD COMPANY SERVICE STATION #0069
SYSTEM START-UP DATE: 1/9/02

DECEMBER, 2005

DATE	DATA SOURCE	NOTES	LAB INFLUENT CONC. SOURCE (PPMV)	LAB EFFLUENT CONC. (PPMV)	FIELD INFLUENT CONC. SOURCE (PPMV)	FIELD EFFLUENT CONC. (PPMV)	GRO CONV. (%)	SOURCE FLOW (SCFM)	MANIFOLD VACUUM (IN H2O)	PROCESS TEMP. (DEG F)	CATALYTIC /OUTLET TEMP. (DEG F)	CUMULATIVE HYDROCARBONS REMOVED (LB)	HOURS ON-LINE
12/01/05	system off											19,588	0.0
12/02/05	system off											19,588	0.0
12/03/05	system off											19,588	0.0
12/04/05	system off											19,588	0.0
12/05/05	system off											19,588	0.0
12/06/05	TECH	1			328	8.6	99.4	168	62	734	731	19,590	15.0
12/07/05	*				328	8.6	99.4	168	62	734	731	19,595	24.0
12/08/05	TECH	2	49	<1.0	311	0.0	99.0	159	60	730	728	19,596	14.0
12/09/05	system off											19,596	0.0
12/10/05	system off											19,596	0.0
12/11/05	system off											19,596	0.0
12/12/05	system off											19,596	0.0
12/13/05	system off											19,596	0.0
12/14/05	system off											19,596	0.0
12/15/05	TECH	3			325	0.0	99.0	148	58	725	721	19,597	11.9
12/16/05	*				325	0.0	99.0	148	58	725	721	19,600	24.0
12/17/05	*				325	0.0	99.0	148	58	725	721	19,602	24.0
12/18/05	*				325	0.0	99.0	148	58	725	721	19,605	24.0
12/19/05	*				325	0.0	99.0	148	58	725	721	19,607	24.0
12/20/05	*				325	0.0	99.0	148	58	725	721	19,609	24.0
12/21/05	*				325	0.0	99.0	148	58	725	721	19,612	24.0
12/22/05	TECH	4			311	0.0	99.0	166	60	744	733	19,613	9.8
12/23/05	system off											19,613	0.0
12/24/05	system off											19,613	0.0
12/25/05	system off											19,613	0.0
12/26/05	system off											19,613	0.0
12/27/05	system off											19,613	0.0
12/28/05	system off											19,613	0.0
12/29/05	TECH	5			428	7.0	99.0	195	60	742	739	19,614	13.0
12/30/05	*				428	7.0	99.0	195	60	742	739	19,618	24.0
12/31/05	*				428	7.0	99.0	195	60	742	739	19,621	24.0

TOTAL POUNDS OF HYDROCARBONS REMOVED SINCE INITIAL START UP	19,621
TOTAL POUNDS OF HYDROCARBONS REMOVED DURNG THIS MONTH	33
TOTAL HOURS ON-LINE DURING THIS MONTH	280

Notes:
1 = Adjusted combustion blower air flow. Restarted system.
2 = Certified vapor sampling. Shut system down.
3 = Restarted system.
4 = Shut system down.
5 = Opened 4 inch dilution valve a half turn. Restarted system.

TECH - Technician performed O&M on this date
* - Data extrapolated
GRO - Gasoline Range Organics (C_4 - C_{12})
-- - Not Applicable

TABLE 4a
Individual Air Sparge Well Monitoring Data
Atlantic Richfield Company Service Station #69
9922 Figueroa Street, Los Angeles, CA
Initial Start-Up Date 2/19/04

Well Number	Monitoring Date	Injection Flow Rate (scfh)	Injection Pressure (psi)
AS-1	system off		
AS-2	system off		
AS-3	system off		
AS-4	system off		
AS-5	system off		

-- Not measured.

TABLE 4b
Individual Soil Vapor Extraction Well Field Monitoring Data
Atlantic Richfield Company Service Station #0069
9922 Figueroa Street, Los Angeles, CA
Initial Start-up Date 1/9/02

Well Number (Slotted Interval) (Start-up H.C. ppmv)	Monitoring Date	VOC Concentration (ppmv)	Vapor Well Flow Rate (scfm)	Vacuum at Flow Potential (in. w.c.)	Well Status (% open)
VE-6	10/24/05	151	-	66	100
	10/27/05	139	-	65	100
	11/04/05	129	-	67	100
(14 TO 24.5)	11/14/05	271	-	60	100
	12/06/05	329	-	62	100
(28)*	12/08/05	284	-	60	100
	12/15/05	211	-	58	100
	12/22/05	359	-	60	100
	12/29/05	361	-	58	100
MW-5	10/24/05	236	-	66	100
	10/27/05	211	-	65	100
	11/04/05	289	-	67	100
(5 TO 30)	11/14/05	314	-	60	100
	12/06/05	417	-	62	100
(64)*	12/08/05	455	-	60	100
	12/15/05	416	-	58	100
	12/22/05	487	-	60	100
	12/29/05	361	-	58	100
MW-3	10/24/05	429	-	66	100
	10/27/05	-	-	-	-
	11/04/05	-	-	-	-
(20 TO 40)	11/14/05	406	-	60	100
	12/06/05	436	-	62	100
(1,600)*	12/08/05	402	-	60	100
	12/15/05	394	-	58	100
	12/22/05	308	-	60	100
	12/29/05	300	-	58	100
MW-2	10/24/05	-	-	-	-
	10/27/05	-	-	-	-
	11/04/05	-	-	-	-
(6 TO 31)	11/14/05	-	-	-	-
	12/06/05	-	-	-	-
(530)*	12/08/05	-	-	-	-
	12/15/05	-	-	-	-
	12/22/05	-	-	-	-
	12/29/05	-	-	-	-
V-4 Low	10/24/05	-	-	-	-
	10/27/05	-	-	-	-
	11/04/05	-	-	-	-
(10 TO 17)	11/14/05	-	-	-	-
	12/06/05	-	-	-	-
(3,500)*	12/08/05	-	-	-	-
	12/15/05	-	-	-	-
	12/22/05	-	-	-	-
	12/29/05	-	-	-	-

TABLE 4b
Individual Soil Vapor Extraction Well Field Monitoring Data
Atlantic Richfield Company Service Station #0069
9922 Figueroa Street, Los Angeles, CA
Initial Start-up Date 1/9/02

Well Number (Slotted Interval) (Start-up H.C. ppmv)	Monitoring Date	VOC Concentration (ppmv)	Vapor Well Flow Rate (scfm)	Vacuum at Flow Potential (in. w.c.)	Well Status (% open)
V-4 High	10/24/05	-	-	-	-
	10/27/05	-	-	-	-
	11/04/05	-	-	-	-
(35.5 TO 53.5)	11/14/05	-	-	-	-
	12/06/05	-	-	-	-
(54)*	12/08/05	-	-	-	-
	12/15/05	-	-	-	-
	12/22/05	-	-	-	-
	12/29/05	-	-	-	-
	10/24/05	-	-	-	-
MW-1	10/27/05	-	-	-	-
	11/04/05	-	-	-	-
(5 TO 31)	11/14/05	-	-	-	-
	12/06/05	-	-	-	-
(4,200)*	12/08/05	-	-	-	-
	12/15/05	-	-	-	-
	12/22/05	-	-	-	-
	12/29/05	-	-	-	-
V-1 Low	10/24/05	-	-	-	-
	10/27/05	-	-	-	-
	11/04/05	-	-	-	-
(20 TO 40)	11/14/05	-	-	-	-
	12/06/05	-	-	-	-
(3,900)*	12/08/05	-	-	-	-
	12/15/05	-	-	-	-
	12/22/05	-	-	-	-
	12/29/05	-	-	-	-
V-1 High	10/24/05	-	-	-	-
	10/27/05	-	-	-	-
	11/04/05	-	-	-	-
(15 TO 30)	11/14/05	-	-	-	-
	12/06/05	-	-	-	-
(4,700)*	12/08/05	-	-	-	-
	12/15/05	-	-	-	-
	12/22/05	-	-	-	-
	12/29/05	-	-	-	-
V-1 Mid	10/24/05	-	-	-	-
	10/27/05	-	-	-	-
	11/04/05	-	-	-	-
(17 TO 26.5)	11/14/05	-	-	-	-
	12/06/05	-	-	-	-
(2,800)*	12/08/05	-	-	-	-
	12/15/05	-	-	-	-
	12/22/05	-	-	-	-
	12/29/05	-	-	-	-

TABLE 4b
Individual Soil Vapor Extraction Well Field Monitoring Data
Atlantic Richfield Company Service Station #0069
9922 Figueroa Street, Los Angeles, CA
Initial Start-up Date 1/9/02

Well Number (Slotted Interval) (Start-up H.C. ppmv)	Monitoring Date	VOC Concentration (ppmv)	Vapor Well Flow Rate (scfm)	Vacuum at Flow Potential (in. w.c.)	Well Status (% open)
V-3 Low	10/24/05	317	-	66	100
	10/27/05	389	-	65	100
	11/04/05	326	-	67	100
(17 TO 26.5)	11/14/05	348	-	60	100
	12/06/05	503	-	62	100
(2,800)*	12/08/05	511	-	60	100
	12/15/05	496	-	58	100
	12/22/05	427	-	60	100
	12/29/05	520	-	58	100
V-3 High	10/24/05	134	-	66	100
	10/27/05	177	-	65	100
	11/04/05	109	-	67	100
(32 TO 51.5)	11/14/05	129	-	60	100
	12/06/05	216	-	62	100
(80)*	12/08/05	218	-	60	100
	12/15/05	192	-	58	100
	12/22/05	240	-	60	100
	12/29/05	263	-	58	100

VOC = Volatile Range Organics
* = GRO from Laboratory analytical samples taken on start-up
-- = not measured

TABLE 5
Summary of Process Vapor Sampling Results
ARCO STATION NO. 0069
9922 Figueroa Street, Los Angeles, CA

Sample Date	Sample ID	GRO (ppmV)	Benzene (ppmV)	Ethylbenzene (ppmV)	Toluene (ppmV)	Total Xylenes (ppmV)	DIPE (ppmV)	ETBE (ppmV)	MTBE (ppmV)	TAME (ppmV)	TBA (ppmV)	CO_2 (%)	CO (%)	CH_4 (%)	N_2 (%)	O_2 (%)
	EPA Method:	8015M	8260B									ASTM 1946-90				
8/5/2004	Influent	240	<1.2	<0.92	1.2	6.5	<2.4	<2.7	<2.8	<2.4	<33	2.5	<0.10	<0.10	79	18
	Effluent	5.1	<0.059	<0.92	<1.1	<1.8	<2.4	<2.7	<2.8	<2.4	<33	4.3	<0.10	<0.10	81	15
10/5/2004	Influent	180	<1.2	1.8	4	19	<2.4	<2.7	<2.8	<2.4	<33	--	--	--	--	--
	Effluent	<2.4	<0.059	<0.92	<1.1	<1.8	<2.4	<2.7	<2.8	<2.4	<33	--	--	--	--	--
11/2/2004	Influent	38	<1.2	<0.92	<1.1	3.6	<2.4	<2.7	<2.8	<2.4	<33	0.55	<0.10	<0.10	78	21
	Effluent	<2.4	<0.059	<0.92	<1.1	<1.8	<2.4	<2.7	<2.8	<2.4	<33	4.1	0.10	<0.10	80	16
	EPA Method:	TO-3	TO-14A									ASTM 1946				
1/6/2005	Influent	100	0.089	0.58	0.43	6.9	<0.02	<0.02	0.14	<0.02	<0.10	0.62	<0.001	0.0061	77	21
	Effluent	<1.0	<0.002	<0.002	<0.005	0.0036	<0.002	<0.002	<0.002	<0.002	<0.010	0.052	<0.001	0.00021	76	21
3/10/2005	Influent	9.7	<0.004	0.071	<0.01	1.4	<0.004	<0.004	<0.004	<0.004	<0.02	0.22	<0.001	0.00026	77	22
	Effluent	<1.0	<0.002	<0.002	<0.005	0.014	<0.002	<0.002	<0.002	<0.002	<0.01	0.061	<0.001	0.00028	77	22
4/7/2005	Influent	13	<0.004	0.076	<0.01	1.4	<0.004	<0.004	<0.004	<0.004	0.026	0.25	<0.001	0.00047	78	22
	Effluent	<1.0	<0.002	<0.002	<0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	0.049	<0.001	0.00020	78	22
5/5/2005	Influent	11	0.0054	0.051	<0.005	0.89	<0.002	<0.002	0.0051	<0.002	0.011	0.38	<0.001	0.00130	79	21
	Effluent	<1.0	<0.002	<0.002	0.0054	0.0062	<0.002	<0.002	<0.002	<0.002	<0.01	0.055	<0.001	0.00018	78	22
6/2/2005	Influent	15	<0.004	0.062	<0.01	1.1	<0.004	<0.004	<0.004	<0.004	<0.02	0.37	<0.001	0.00130	78	21
	Effluent	<1.0	<0.002	<0.002	<0.005	0.0092	<0.002	<0.002	<0.002	<0.002	<0.01	0.042	<0.001	<0.00020	78	22
7/7/2005	Influent	11	0.0083	0.029	<0.005	0.58	<0.002	<0.002	<0.002	<0.002	<0.01	0.43	<0.001	0.00400	79	21
	Effluent	1.0	<0.002	0.0033	0.005	0.025	<0.002	<0.002	<0.002	<0.002	<0.01	0.056	<0.001	0.00024	77	23
8/3/2005	Influent	23	0.0076	0.029	<0.005	0.45	<0.002	<0.002	0.0063	<0.002	<0.01	0.48	<0.001	0.00420	79	22
	Effluent	<1.0	<0.002	<0.002	<0.005	0.009	<0.002	<0.002	<0.002	<0.002	<0.01	0.048	<0.001	0.00024	78	24
	EPA Method:	TO-3	TO-14									ASTM 1946				
9/8/2005	Influent	10	<0.001	0.0016	0.0024	0.00185	--	--	--	--	--	0.062	--	<0.001	64	17
	Effluent	2.1	<0.001	<0.001	0.002	0.0016	--	--	--	--	--	0.010	--	<0.001	77	21
10/27/2005	Influent	79	<0.020	0.055	<0.050	0.86	<0.020	<0.020	<0.020	<0.020	<0.10	0.57	<0.001	0.00068	77	21
	Effluent	<1.0	<0.002	<0.002	<0.005	0.0043	<0.002	<0.002	<0.002	<0.002	<0.01	0.042	<0.001	<0.001	77	22
12/8/2005	Influent	49	0.006	0.06	0.012	0.95	<0.002	<0.002	0.015	<0.002	<0.01	0.64	<0.001	0.00048	78	21
	Effluent	<1.0	<0.002	<0.002	0.011	0.0028	<0.002	<0.002	<0.002	<0.002	<0.01	0.058	<0.001	0.00023	78	22

Notes:

GRO = Gasoline Range Organics (C_4 - C_{12})

Effluent Benzene analyzed using EPA Method 410A Modified

Fixed gases analyzed using ASTM 1946-90

ppmV = Parts per million on a volume basis

-- = Not sampled/Not analyzed

DIPE = Di-Isopropyl ether

ETBE = Ethyl tert-butyl ether

MTBE = Methyl Tertiary Butyl Ether

TAME = Tertiary-amyl methylether

TBA = Tert-butyl alcohol

CO_2 = Carbon dioxide

CO = Carbon monoxide

CH_4 = Methane

N_2 = Nitrogen

O_2 = Oxygen

(%) = Percentage of air volume

TABLE 6
Summary of Individual Well Vapor Sample Analytical Results
ARCO STATION NO. 0069
9922 Figueroa Street, Los Angeles, CA

Sample Date	Sample ID	GRO (ppmV)	Benzene (ppmV)	Ethylbenzene (ppmV)	Toluene (ppmV)	Total Xylenes (ppmV)	DIPE (ppmV)	ETBE (ppmV)	MTBE (ppmV)	TAME (ppmV)	TBA (ppmV)	CO_2 (%)	CO (%)	CH_4 (%)	N_2 (%)	O_2 (%)
8/5/2004	V-1a Low	95	<1.2	<0.92	<1.1	2.6	<2.4	<2.7	<2.8	<2.4	<33	2.1	<0.10	<0.10	78	20
8/5/2004	V-1b Mid	1,600	6.1	10	2.8	82	<2.4	<2.7	<2.8	<2.4	<33	8.1	<0.10	0.11	82	9.8
8/5/2004	V-1c High	48	<1.2	<0.92	<1.1	4.6	<2.4	<2.7	<2.8	<2.4	<33	1.9	<0.10	<0.10	78	20
8/5/2004	V-3a Low	16	<1.2	<0.92	<1.1	<1.8	<2.4	<2.7	<2.8	<2.4	<33	4.2	<0.10	<0.10	81	15
8/5/2004	V-3b High	23	<1.2	<0.92	<1.1	<1.8	<2.4	<2.7	<2.8	<2.4	<33	3.0	<0.10	<0.10	80	17
8/5/2004	V-4a Low	7.6	<1.2	<0.92	<1.1	<1.8	<2.4	<2.7	<2.8	<2.4	<33	1.4	<0.10	<0.10	79	20
8/5/2004	V-4b High	62	<1.2	<0.92	<1.1	4.5	<2.4	<2.7	<2.8	<2.4	<33	1.4	<0.10	<0.10	82	16
8/5/2004	V-6	1,100	5.4	2.3	5.6	19	<2.4	<2.7	6.3	<2.4	<33	5.0	<0.10	0.11	82	13
8/5/2004	MW-1	13	<1.2	<0.92	<1.1	<1.8	<2.4	<2.7	<2.8	<2.4	<33	1.5	<0.10	<0.10	82	17
8/5/2004	MW-2	22	<1.2	<0.92	<1.1	<1.8	<2.4	<2.7	<2.8	<2.4	<33	0.81	<0.10	<0.10	84	16
8/5/2004	MW-3	18	<1.2	<0.92	<1.1	<1.8	<2.4	<2.7	<2.8	<2.4	<33	0.79	<0.10	<0.10	83	16
8/5/2004	MW-5	530	2.2	3.7	2.2	26	<2.4	<2.7	3.2	<2.4	<33	3.8	<0.10	<0.10	82	14

Notes:

GRO = Gasoline Range Organics (C_4 - C_{12})
BTEX and Oxygenates analyzed using EPA Method 8260B
Effluent Benzene analyzed using EPA Method 410A Modified
Fixed gases analyzed using ASTM 1946-90
ppmV = Parts per million on a volume basis
-- = Not sampled/Not analyzed

DIPE = Di-Isopropyl ether
ETBE = Ethyl tert-butyl ether
MTBE = Methyl Tertiary Butyl Ether
TAME = Tertiary-amyl methylether
TBA = Tert-butyl alcohol

CO_2 = Carbon dioxide
CO = Carbon monoxide
CH_4 = Methane
N_2 = Nitrogen
O_2 = Oxygen
(%) = Percentage of air volume

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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	01/31/96		133.60	24.00	0.00	109.60	7,400	290	580	480	1,500	-	-	-	-	-	-	MW-1	
	04/15/96			24.50	0.00	109.10	5,200	190	370	370	1,000	3,400	-	-	-	-	-	MW-1	
	07/22/96			24.90	0.00	108.70	12,000	320	1,000	760	2,900	4,500	-	-	-	-	-	MW-1	
	10/17/96			24.87	0.00	108.73	6,600	110	390	400	1,500	3,600	-	-	-	-	-	MW-1	
	03/25/97			25.00	0.00	108.60	5,600	56	200	390	1,000	3,000	-	-	-	-	-	MW-1	
	06/20/97			22.70	0.00	110.90	2,600	28	5.5	400	62	9,300	-	-	-	-	-	MW-1	
	08/22/97			23.69	0.00	109.91	2,900	24	<3.9	260	19	9,100	-	-	-	-	-	MW-1	
	11/17/97			24.36	0.00	109.24	7,200	42	16	290	77	15,000	-	-	-	-	-	MW-1	
	03/18/98	NS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06/18/98			17.64	0.00	115.96	360	5.0	2.7	5.2	4.0	7,300	-	-	-	-	-	MW-1	
	08/20/98			19.55	0.00	114.05	420	10	2.6	4.1	5.7	2,900	-	-	-	-	-	MW-1	
	11/18/98	NS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03/24/99			21.98	0.00	111.62	950	13	2.8	1.7	2.4	12,000	-	-	-	-	-	MW-1	
	06/15/99			22.14	0.00	111.46	940	12	<3.0	3.4	<6.0	5,700	-	-	-	-	-	MW-1	
	09/01/99			22.78	0.00	110.82	630	9.9	1.4	0.95	2.0	4,100	-	-	-	-	-	MW-1	
	11/30/99			23.53	0.00	110.07	850	7.0	<0.30	0.39	3.8	5,400	-	-	-	-	-	MW-1	
	03/23/00			23.98	0.00	109.62	7,200	26 J	300	830	3,100	2,200	1,600	<100	<100	<100	-	MW-1	
	04/17/00			23.81	0.00	109.79	15,000	31 J	340	840	3,200	2,200	1,500 J	<25	<28	<34	-	MW-1	
	07/11/00			23.93	0.00	109.67	7,100	16 J	160	450	1,600	1,100	1,700	<10	<11	<14	-	MW-1	
	10/11/00			24.41	0.00	109.19	16,000	21 J	210	610	2,000	1,100	970 J	<10	<11	15 J	-	MW-1	
	01/04/01			25.05	0.00	108.55	12,000	16 J	170	560	2,000	600	1,100	<10	<11	<14	-	MW-1	
	04/19/01			23.23	0.00	110.37	8,100	22 J	110	320	1,100	590	900	<20	<20	<20	-	MW-1	
	07/09/01			23.10	0.00	110.50	7,900	19 J	120	480	1,500	470	1,500	<20	<20	<20	-	MW-1	
	10/02/01			24.94	0.00	108.66	6,100	<10	64	330	980	180	1,100	<20	<20	<20	-	MW-1	
	01/03/02			26.22	0.00	107.38	6,500	<10	81	430	1,200	250	890	<20	<20	<20	-	MW-1	
	04/02/02			26.02	0.00	107.58	3,500	<10	41 J	280	780	90	560	<20	<20	<20	-	MW-1	
	08/23/02			24.69	0.00	108.91	2,400	1.5 J	25	210	530	47	170	<5.0	<5.0	0.64 J	-	MW-1	
	12/19/02			25.63	0.00	107.97	10,000	3.0 J	47	440	1,100	59	160	<10	<10	0.72 J	-	MW-1	
	02/06/03			25.92	0.00	107.68	6,700	2.9 J	36	340	790	55	130	<10	<10	<10	<300	MW-1	
	05/20/03			24.11	0.00	109.49	3,900	<0.5	11	120	300	23	72	<1.0	<1.0	<1.0	<50	MW-1	
	07/18/03			23.54	0.00	110.06	2,600	<10	13	160	400	29	57 J	<25	<25	<25	<750	MW-1	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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	11/21/03		133.60	23.47	0.00	110.13	1,100	<2.0	5.3	72	170	17	27 J	<5.0	<5.0	<5.0	<150	MW-1	
	02/20/04	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Construction
	06/23/04	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	09/08/04	NS		24.71	0.00	108.89	-	-	-	-	-	-	-	-	-	-	-	-	
	09/09/04			-	-	-	1,500	<8.0	18	140	390	5.7 J	21 J	<20	<20	<20	<600	MW-1	
	12/14/04			24.81	0.00	108.79	770	<2.0	4.9	25	110	5.0	5.5 J	<5.0	<5.0	<5.0	<150	MW-1	
	03/02/05			20.43	0.00	113.17	2,300	<2.0	4.6	62	150	1.9 J	<50	<5.0	<5.0	<5.0	<150	MW-1	
	06/06/05			19.50	0.00	114.10	260	<2.0	<2.0	1.3 J	2.4 J	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-1	
	08/19/05			20.98	0.00	112.62	470	<2.0	1.4 J	21	41	1.2 J	<50	<5.0	<5.0	<5.0	<150	MW-1	
	10/13/05			22.09	0.00	111.51	690	<2.0	0.72 J	8.3	13	1.2 J	<50	<5.0	<5.0	<5.0	<150	MW-1	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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-2	01/31/96		133.36	23.30	0.00	110.06	16,000	2,200	420	1,500	2,700	-	-	-	-	-	-	MW-2	
	04/15/96			24.30	0.00	109.06	20,000	1,800	280	1,600	2,200	<10	-	-	-	-	-	MW-2	
	07/22/96			24.60	0.00	108.76	16,000	1,000	170	1,100	1,400	<10	-	-	-	-	-	MW-2	
	10/17/96			24.25	0.00	109.11	16,000	1,100	150	1,300	1,600	<10	-	-	-	-	-	MW-2	
	03/25/97			22.22	0.00	111.14	11,000	480	58	660	990	<10	-	-	-	-	-	MW-2	
	06/20/97			21.39	0.00	111.97	1,500	86	<6.0	70	48	130	-	-	-	-	-	MW-2	
	08/22/97			22.16	0.00	111.20	1,200	40	7.5	28	35	82	-	-	-	-	-	MW-2	
	11/17/97			22.88	0.00	110.48	1,300	45	<0.5	15	30	42	-	-	-	-	-	MW-2	
	03/18/98	NS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06/18/98			19.00	0.00	114.36	360	21	<0.30	4.8	0.83	130	-	-	-	-	-	MW-2	
	08/20/98			19.33	0.00	114.03	230	8.5	<0.30	2.4	<0.60	190	-	-	-	-	-	MW-2	
	11/18/98	NS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03/24/99			22.85	0.00	110.51	120	0.85	<0.30	<0.30	0.64	120	-	-	-	-	-	MW-2	
	06/15/99			21.96	0.00	111.40	110	1.2	<0.30	0.56	<0.60	70	-	-	-	-	-	MW-2	
	09/01/99			22.47	0.00	110.89	110	0.42	<0.30	<0.30	<0.60	45	-	-	-	-	-	MW-2	
	11/30/99			23.02	0.00	110.34	150	1.7	<0.30	<0.30	<0.60	21	-	-	-	-	-	MW-2	
	03/23/00			23.47	0.00	109.89	3,400	29	0.18 J	82	67	15	<50	<5.0	<5.0	<5.0	-	MW-2	
	04/17/00			23.19	0.00	110.17	4,700	36	0.21 J	73	77	15	5.4	<0.50	<0.57	<0.68	-	MW-2	
	07/11/00			23.36	0.00	110.00	4,500	28	0.24 J	94	56	13	<5.0	<0.50	<0.57	<0.68	-	MW-2	
	10/11/00			23.65	0.00	109.71	2,800	25	0.16 J	57	41	8.1	<5.0	<0.50	<0.57	<0.68	-	MW-2	
	01/04/01			24.49	0.00	108.87	4,200	20	0.32 J	86	51	6.8 J	<10	<1.0	<1.1	<1.4	-	MW-2	
	04/19/01			22.93	0.00	110.43	2,600	19	<1.0	59	71	16	<10	<2.0	<2.0	<2.0	-	MW-2	
	07/09/01			22.68	0.00	110.68	2,100	12	<1.0	27	31	34	<10	<2.0	<2.0	<2.0	-	MW-2	
	10/02/01			24.30	0.00	109.06	1,600	7.6	<1.0	18	18	22	<10	<2.0	<2.0	<2.0	-	MW-2	
	01/03/02			25.81	0.00	107.55	2,000	9.0	<1.0	32	26	11	<10	<2.0	<2.0	<2.0	-	MW-2	
	04/02/02			25.40	0.00	107.96	1,200	5.1	<1.0	13	7.8	5.1	<10	<2.0	<2.0	<2.0	-	MW-2	
	08/23/02			24.46	0.00	108.90	330	1.4 J	<2.0	2.4	2.4 J	1.8 J	<50	<5.0	<5.0	<5.0	-	MW-2	
	12/19/02			24.63	0.00	108.73	230	0.89 J	<2.0	0.98 J	0.65 J	0.60 J	<50	<5.0	<5.0	<5.0	-	MW-2	
	02/06/03			24.94	0.00	108.42	370	1.9 J	<2.0	1.8 J	1.1 J	1.2 J	<50	<5.0	<5.0	<5.0	<150	MW-2	
	05/20/03			23.41	0.00	109.95	96	<0.5	<0.5	<0.5	<1.5	<1.0	<25	<1.0	<1.0	<1.0	<50	MW-2	
	07/18/03			23.01	0.00	110.35	40 J	<2.0	<2.0	<2.0	<4.0	0.51 J	<50	<5.0	<5.0	<5.0	<150	MW-2	
	11/21/03			23.60	0.00	109.76	99	<2.0	<2.0	<2.0	<4.0	0.38 J	<50	<5.0	<5.0	<5.0	<150	MW-2	
	02/20/04	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Construction
	06/23/04		134.56	24.45	0.00	110.11	370	0.61 J	<2.0	1.7 J	1.5 J	0.58 J	<50	<5.0	<5.0	<5.0	<150	MW-2	
	06/23/04	DUP		-	-	-	610	0.62 J	<2.0	1.7 J	1.4 J	0.54 J	<50	<5.0	<5.0	<5.0	<150	Dup-0069-20040623	
	09/08/04	NS		24.49	0.00	110.07	-	-	-	-	-	-	-	-	-	-	-	-	
	09/09/04			-	-	-	320	1.8 J	<2.0	2.3	<4.0	0.51 J	<50	<5.0	<5.0	<5.0	<150	MW-2	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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-2	12/14/04		134.56	24.66	0.00	109.90	570	0.86 J	<2.0	1.5 J	1.0 J	0.36 J	<50	<5.0	<5.0	<5.0	<150	MW-2	
	12/14/04	DUP		-	-	-	570	0.72 J	<2.0	1.1 J	0.69 J	0.43 J	<50	<5.0	<5.0	<5.0	<150	DUP-0069-20041214	
	03/02/05			32.80	0.00	101.76	48 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-2	
	03/02/05	DUP		-	-	-	45 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	DUP-0069-20050302	
	06/06/05			19.64	0.00	114.92	58	<2.0	<2.0	0.28 J	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-2	
	08/19/05			20.74	0.00	113.82	69	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-2	
	10/13/05			21.98	0.00	112.58	120	<2.0	<2.0	0.81 J	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-2	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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-3	01/31/96		133.51	24.00	0.00	109.51	8,000	3,400	<30	280	<60	-	-	-	-	-	-	MW-3	
	04/15/96			24.40	0.00	109.11	5,200	2,700	<30	170	<60	2,800	-	-	-	-	-	MW-3	
	07/22/96			25.15	0.00	108.36	8,700	4,700	<30	480	91	3,000	-	-	-	-	-	MW-3	
	10/17/96			25.42	0.00	108.09	13,000	6,800	93	750	280	3,400	-	-	-	-	-	MW-3	
	03/25/97			23.20	0.00	110.31	9,800	3,700	52	530	300	1,200	-	-	-	-	-	MW-3	
	06/20/97			22.16	0.00	111.35	370	35	2.4	2.3	3.0	430	-	-	-	-	-	MW-3	
	08/22/97			23.88	0.00	109.63	360	4.7	0.74	1.1	1.9	370	-	-	-	-	-	MW-3	
	11/17/97			24.39	0.00	109.12	400	2.6	0.80	1.7	2.8	470	-	-	-	-	-	MW-3	
	03/18/98	NS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06/18/98			18.80	0.00	114.71	440	3.2	<0.30	<0.30	1.2	1,400	-	-	-	-	-	MW-3	
	08/20/98			19.33	0.00	114.18	300	5.8	1.5	<0.30	1.4	6,200	-	-	-	-	-	MW-3	
	11/18/98	NS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03/24/99			22.34	0.00	111.17	390	3.7	0.96	<0.30	1.1	11,000	-	-	-	-	-	MW-3	
	06/15/99			22.92	0.00	110.59	140	<0.30	0.32	<0.30	<0.60	1,700	-	-	-	-	-	MW-3	
	09/01/99			23.11	0.00	110.40	180	0.63	<0.30	0.35	0.86	<10	-	-	-	-	-	MW-3	
	11/30/99			23.78	0.00	109.73	270	<0.30	<0.30	<0.30	2.0	2,100	-	-	-	-	-	MW-3	
	03/23/00			24.16	0.00	109.35	380	35 J	<40	28 J	<80	1,100	730 J	<100	<100	<100	-	MW-3	
	04/17/00			24.04	0.00	109.47	3,300	330	<4.7	230	<41	2,200	1,500 J	<25	<28	<34	-	MW-3	
	07/11/00			24.06	0.00	109.45	5,000	680	38 J	260	63 J	2,900	2,100	<10	<11	22 J	-	MW-3	
	10/11/00			24.65	0.00	108.86	6,200	770	42 J	530	110 J	2,400	2,200	<10	<11	<14	-	MW-3	
	01/04/01			25.40	0.00	108.11	10,000	960	280 J	720	520 J	2,000	2,000	<10	<11	15 J	-	MW-3	
	04/19/01			23.61	0.00	109.90	2,900	190	<20	260	68 J	1,000	1,000	<40	<40	<40	-	MW-3	
	07/09/01			23.66	0.00	109.85	3,500	160	<10	260	39 J	1,100	1,800	<20	<20	<20	-	MW-3	
	10/02/01			25.34	0.00	108.17	4,000	160	97 J	250	180	910	1,800	<40	<40	<40	-	MW-3	
	01/03/02			26.81	0.00	106.70	6,900	320	610	480	1,100	730	1,000	<40	<40	<40	-	MW-3	
	04/02/02			26.53	0.00	106.98	4,600	300	260	460	600	640	700	<40	<40	<40	-	MW-3	
	08/23/02			25.70	0.00	107.81	2,100	130	72	180	150	170	180	<5.0	<5.0	1.8 J	-	MW-3	
	12/19/02			25.67	0.00	107.84	1,300	69	17	100	60	59	110	<5.0	<5.0	0.59 J	-	MW-3	
	02/06/03			25.92	0.00	107.59	820	72	13	78	46	54	72	<5.0	<5.0	0.66 J	<150	MW-3	
	05/20/03			24.33	0.00	109.18	85	4.3	1.4	6.2	4.3	12	28	<1.0	<1.0	<1.0	<50	MW-3	
	07/18/03			23.86	0.00	109.65	51	1.1 J	0.51 J	1.9 J	2.2 J	4.7 J	10 J	<5.0	<5.0	<5.0	<150	MW-3	
	11/21/03			24.13	0.00	109.38	120	1.6 J	0.57 J	3.1	2.7 J	4.5 J	9.4 J	<5.0	<5.0	<5.0	<150	MW-3	
	02/20/04	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Construction

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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-3	06/23/04	INA	133.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	09/08/04	NS		25.47	0.00	108.04	-	-	-	-	-	-	-	-	-	-	-	-	
	09/09/04			-	-	-	85	0.59 J	<2.0	1.5 J	<4.0	4.0 J	6.3 J	<5.0	<5.0	<5.0	<150	MW-3	
	09/09/04	DUP		-	-	-	34 J	0.41 J	<2.0	0.89 J	<4.0	3.8 J	<50	<5.0	<5.0	<5.0	<150	DUP-0069-20040909	
	12/14/04			25.62	0.00	107.89	1,900	6.2	2.2	24	14	16	48 J	<5.0	<5.0	<5.0	<150	MW-3	
	03/02/05			21.38	0.00	112.13	26 J	<2.0	<2.0	<2.0	<4.0	3.0 J	<50	<5.0	<5.0	<5.0	<150	MW-3	
	06/06/05			20.40	0.00	113.11	<50	<2.0	<2.0	<2.0	<4.0	4.0 J	<50	<5.0	<5.0	<5.0	<150	MW-3	
	08/19/05			21.50	0.00	112.01	76	0.76 J	<2.0	1.2 J	<4.0	7.9	8.2 J	<5.0	<5.0	<5.0	<150	MW-3	
	10/13/05			22.60	0.00	110.91	44 J	<2.0	<2.0	0.48 J	<4.0	4.3 J	<50	<5.0	<5.0	<5.0	<150	MW-3	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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-5	01/31/96	SPH	133.54	24.10	0.00	109.44	-	-	-	-	-	-	-	-	-	-	-	-	Purge sheen
	04/15/96	SPH		24.39	0.00	109.15	-	-	-	-	-	-	-	-	-	-	-	-	Purge sheen
	07/22/96	SPH		45.25	0.30	88.52	-	-	-	-	-	-	-	-	-	-	-	-	
	10/17/96	NS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03/25/97	SPH		24.18	0.53	109.76	-	-	-	-	-	-	-	-	-	-	-	-	
	06/20/97	SPH		24.13	0.40	109.71	-	-	-	-	-	-	-	-	-	-	-	-	
	08/22/97	SPH		24.62	0.22	109.09	-	-	-	-	-	-	-	-	-	-	-	-	
	11/17/97	SPH		25.07	0.09	108.54	-	-	-	-	-	-	-	-	-	-	-	-	
	03/18/98			20.25	0.00	113.29	39,000	4,000	7,400	920	6,700	2,000	-	-	-	-	-	MW-5	
	06/18/98			20.32	0.00	113.22	69,000	12,000	20,000	2,300	14,000	9,800	-	-	-	-	-	MW-5	
	08/20/98			19.66	0.00	113.88	71,000	13,000	20,000	2,000	13,000	11,000	-	-	-	-	-	MW-5	
	11/18/98	NS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	03/24/99			22.81	0.00	110.73	73,000	11,000	16,000	2,300	13,000	13,000	-	-	-	-	-	MW-5	
	06/15/99	SPH		23.09	sheen	110.45	70,000	9,300	12,000	2,000	12,000	6,400	-	-	-	-	-	MW-5	
	09/01/99	SPH		23.53	sheen	110.01	-	-	-	-	-	-	-	-	-	-	-	-	
	11/30/99	SPH		24.13	sheen	109.41	-	-	-	-	-	-	-	-	-	-	-	-	
	03/23/00	SPH		24.77	sheen	108.77	-	-	-	-	-	-	-	-	-	-	-	-	
	04/17/00	DRY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/11/00	SPH		24.84	0.04	108.73	-	-	-	-	-	-	-	-	-	-	-	-	
	10/11/00	SPH		24.90	sheen	108.64	-	-	-	-	-	-	-	-	-	-	-	-	
	01/04/01	SPH		25.31	sheen	108.23	-	-	-	-	-	-	-	-	-	-	-	-	
	04/19/01	SPH		24.61	sheen	108.93	-	-	-	-	-	-	-	-	-	-	-	-	
	07/09/01	SPH		25.12	0.13	108.52	-	-	-	-	-	-	-	-	-	-	-	-	
	10/02/01	SPH		26.07	0.05	107.51	-	-	-	-	-	-	-	-	-	-	-	-	
	01/03/02	DRY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	04/02/02	DRY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08/23/02	DRY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	12/19/02	DRY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	02/06/03	DRY		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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-5	05/20/03	DRY	133.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	07/18/03			24.39	0.00	109.15	37,000	1,200	1,900	2,000	15,000	5,800	9,900	<250	<250	61 J	<7,500	MW-5	
	11/21/03			24.80	0.00	108.74	29,000	1,100	620	1,500	11,000	5,500	7,500	<250	<250	58 J	<7,500	MW-5	
	02/20/04	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Construction
	06/23/04	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	09/08/04	NS		25.92	0.00	107.62	-	-	-	-	-	-	-	-	-	-	-	-	
	09/09/04			-	-	-	4,100	11 J	7.8 J	33	330	160	2,300	<50	<50	<50	<1,500	MW-5	
	12/14/04			25.93	0.00	107.61	1,100	<4.0	<4.0	5.2	34	19	1,400	<10	<10	<10	<300	MW-5	
	03/02/05	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06/06/05			20.05	0.00	113.49	6,500	180	61	300	1,500	230	3,200	<50	<50	4.9 J	<1,500	MW-5	
	06/06/05	DUP		-	-	-	5,900	160	57	270	1,400	220	3,200	<50	<50	4.8 J	<1,500	DUP-0069-20050606	
	08/19/05			20.51	0.00	113.03	11,000	350	75	400	1,700	450	3,900	<50	<50	11 J	<1,500	MW-5	
	08/19/05	DUP		-	-	-	7,900	310	74	360	1,400	390	4,400	<25	<25	8.4 J	<750	DUP-0069-20050819	
	10/13/05			22.54	0.00	111.00	15,000	550	45	780	3,100	610	6,100	<100	<100	15 J	<3,000	MW-5	
	10/13/05	DUP		-	-	-	15,000	560	57	800	3,100	640	6,500	<50	<50	17 J	<1,500	DUP-0069-20051013	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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-6	01/31/96		134.50	23.90	0.00	110.60	1,300	<3.0	<3.0	<3.0	<6.0	-	-	-	-	-	-	MW-6	
	04/15/96			24.26	0.00	110.24	87	3.7	0.38	<0.30	<0.60	<10	-	-	-	-	-	MW-6	
	07/22/96			26.48	0.00	108.02	170	0.43	<0.30	0.67	<0.60	2,500	-	-	-	-	-	MW-6	
	10/17/96			26.96	0.00	107.54	91	<0.30	<0.30	<0.30	<0.60	2,300	-	-	-	-	-	MW-6	
	03/25/97			25.27	0.00	109.23	120	<0.30	<0.30	<0.30	<0.60	1,700	-	-	-	-	-	MW-6	
	06/20/97			24.90	0.00	109.60	<50	<0.30	<0.30	<0.30	<0.60	850	-	-	-	-	-	MW-6	
	08/22/97			25.70	0.00	108.80	<50	0.61	0.32	<0.30	<0.60	900	-	-	-	-	-	MW-6	
	11/17/97			26.25	0.00	108.25	<50	0.60	<0.5	<0.5	<1.0	1,000	-	-	-	-	-	MW-6	
	03/18/98			20.30	0.00	114.20	<50	<0.30	<0.30	<0.30	<0.60	200	-	-	-	-	-	MW-6	
	06/18/98			19.84	0.00	114.66	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-6	
	08/20/98			20.81	0.00	113.69	<50	0.33	<0.30	<0.30	<0.60	73	-	-	-	-	-	MW-6	
	11/18/98			22.14	0.00	112.36	<50	0.51	<0.30	<0.30	<0.60	110	-	-	-	-	-	MW-6	
	03/24/99			23.35	0.00	111.15	<50	<0.30	<0.30	<0.30	<0.60	190	-	-	-	-	-	MW-6	
	06/15/99			23.73	0.00	110.77	<50	<0.30	<0.30	<0.30	<0.60	210	-	-	-	-	-	MW-6	
	09/01/99			24.30	0.00	110.20	<50	<0.30	<0.30	<0.30	<0.60	360	-	-	-	-	-	MW-6	
	11/30/99			25.38	0.00	109.12	<50	0.45	<0.30	<0.30	<0.60	350	-	-	-	-	-	MW-6	
	03/23/00			26.20	0.00	108.30	27 J	<20	<20	<20	<40	840	<500	<50	<50	<50	-	MW-6	
	04/17/00			25.99	0.00	108.51	500	<1.1	<0.93	<1.8	<8.2	950	<5.0	<5.0	<5.7	<6.8	-	MW-6	
	07/11/00			25.81	0.00	108.69	250	<1.1	<0.93	<1.8	<8.2	1,100	72 J	<5.0	<5.7	<6.8	-	MW-6	
	10/11/00			26.62	0.00	107.88	390	3.6 J	<1.9	<3.6	<16	1,400	<100	<10	<11	<14	-	MW-6	
	01/04/01			27.30	0.00	107.20	480	1.2 J	1.4 J	<1.8	<8.2	1,500	<50	<5.0	<5.7	8.3 J	-	MW-6	
	04/19/01			25.10	0.00	109.40	120	<4.0	<4.0	<4.0	<4.0	240	<40	<8.0	<8.0	<8.0	-	MW-6	
	07/09/01			25.33	0.00	109.17	180	<4.0	<4.0	<4.0	<4.0	400	<40	<8.0	<8.0	<8.0	-	MW-6	
	10/02/01			26.18	0.00	108.32	190	<4.0	<4.0	<4.0	<4.0	440	<40	<8.0	<8.0	<8.0	-	MW-6	
	01/03/02			27.36	0.00	107.14	210	<10	<10	<10	<10	770	<100	<20	<20	<20	-	MW-6	
	04/02/02			27.63	0.00	106.87	1,500	<40	<40	<40	<40	3,100	<400	<80	<80	<80	-	MW-6	
	08/23/02			27.20	0.00	107.30	610	<20	1.4 J	<20	<40	4,700	1,500	<50	<50	22 J	-	MW-6	
	12/19/02			26.77	0.00	107.73	620	<20	<20	<20	<40	3,500	1,800	<50	<50	13 J	-	MW-6	
	02/06/03			26.80	0.00	107.70	1,600	<20	<20	<20	5.2 J	3,200	470 J	<50	<50	20 J	<1,500	MW-6	
	05/20/03			25.02	0.00	109.48	410	<0.5	<0.5	<0.5	<1.5	900	178 J	<1.0	<1.0	<1.0	<50	MW-6	
	07/18/03			24.30	0.00	110.20	290	<2.0	<2.0	<2.0	<4.0	1,000	200	<5.0	<5.0	4.2 J	<150	MW-6	
	11/21/03			23.84	0.00	110.66	700	<40	<40	<40	<80	2,000	1,700	<100	<100	<100	<3,000	MW-6	
	02/20/04			24.84	0.00	109.66	420	<20	<20	<20	<40	1,200	1,300	<50	<50	6.4 J	<1,500	MW-6	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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-6	06/23/04		134.34	25.03	0.00	109.31	580	<20	<20	<20	<40	870	990	<50	<50	4.7 J	<1,500	MW-6	
	09/08/04	NS		25.42	0.00	108.92	-	-	-	-	-	-	-	-	-	-	-	-	
	09/09/04			-	-	-	90	<5.0	<5.0	<5.0	<10	220	430	<12	<12	0.98 J	<380	MW-6	
	12/14/04			25.56	0.00	108.78	300	<20	<20	<20	<40	670	1,200	<50	<50	<50	<1,500	MW-6	
	03/02/05			20.59	0.00	113.75	<50	<2.0	<2.0	<2.0	<4.0	5.1	8.9 J	<5.0	<5.0	<5.0	<150	MW-6	
	06/06/05			19.95	0.00	114.39	<50	<2.0	<2.0	<2.0	<4.0	0.37 J	<50	<5.0	<5.0	<5.0	<150	MW-6	
	08/19/05			21.22	0.00	113.12	<50	<2.0	<2.0	<2.0	<4.0	0.99 J	<50	<5.0	<5.0	<5.0	<150	MW-6	
	10/13/05			22.14	0.00	112.20	<50	<2.0	<2.0	<2.0	<4.0	3.8 J	<50	<5.0	<5.0	<5.0	<150	MW-6	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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	07/22/96		132.43	24.60	0.00	107.83	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	10/17/96			24.90	0.00	107.53	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	03/25/97			24.10	0.00	108.33	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	06/20/97			23.10	0.00	109.33	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	08/22/97			23.93	0.00	108.50	68	<0.30	1.6	<0.30	1.8	<10	-	-	-	-	-	MW-7	
	11/17/97			24.49	0.00	107.94	63	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-7	
	03/18/98			19.20	0.00	113.23	150	1.7	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	06/18/98			18.30	0.00	114.13	120	1.1	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	08/20/98			19.72	0.00	112.71	110	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	11/18/98			20.25	0.00	112.18	120	1.0	0.45	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	03/24/99			22.15	0.00	110.28	61	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	06/15/99			22.46	0.00	109.97	58	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	09/01/99			22.89	0.00	109.54	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	11/30/99			23.49	0.00	108.94	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-7	
	03/23/00			23.56	0.00	108.87	19 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-7	
	04/17/00			25.71	0.00	106.72	17 J	<0.11	<0.093	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	MW-7	
	07/11/00			23.20	0.00	109.23	15 J	<0.11	<0.093	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	MW-7	
	10/11/00			24.52	0.00	107.91	8.8 J	<0.11	0.20 J	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	MW-7	
	01/04/01			25.24	0.00	107.19	9.5 J	<0.11	0.13 J	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	MW-7	
	04/19/01			23.98	0.00	108.45	58 J	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-7	
	07/09/01			24.90	0.00	107.53	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-7	
	10/02/01			25.92	0.00	106.51	82 J	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-7	
	01/03/02			26.81	0.00	105.62	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-7	
	04/02/02			27.26	0.00	105.17	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-7	
	08/23/02			27.41	0.00	105.02	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-7	
	12/19/02			27.50	0.00	104.93	11 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-7	
	02/06/03			27.42	0.00	105.01	16 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-7	
	05/20/03			25.90	0.00	106.53	28 J	<0.5	<0.5	<0.5	<1.5	<1.0	<25	<1.0	<1.0	<1.0	<50	MW-7	
	07/18/03			25.22	0.00	107.21	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-7	
	11/21/03			25.46	0.00	106.97	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-7	
	02/20/04			26.25	0.00	106.18	27 J	<2.0	0.42 J	<2.0	<4.0	<5.0	7.8 J	<5.0	<5.0	<5.0	<150	MW-7	
	06/23/04		132.55	26.11	0.00	106.44	<50	<2.0	<2.0	0.29 J	1.4 J	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-7	
	09/08/04	NS		25.64	0.00	106.91	-	-	-	-	-	-	-	-	-	-	-	-	
	09/09/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	3.9 J	<50	<5.0	<5.0	<5.0	<150	MW-7	
	12/14/04			26.26	0.00	106.29	<50	<2.0	<2.0	<2.0	<4.0	8.8	<50	<5.0	<5.0	<5.0	<150	MW-7	
	03/02/05			20.92	0.00	111.63	<50	<2.0	<2.0	<2.0	<4.0	21	<50	<5.0	<5.0	<5.0	<150	MW-7	
	06/06/05			19.36	0.00	113.19	<50	<2.0	<2.0	<2.0	<4.0	8.4	<50	<5.0	<5.0	<5.0	<150	MW-7	
	08/19/05			20.25	0.00	112.30	<50	<2.0	<2.0	<2.0	<4.0	6.5	<50	<5.0	<5.0	<5.0	<150	MW-7	
	10/13/05			21.58	0.00	110.97	<50	<2.0	<2.0	<2.0	<4.0	5.8	<50	<5.0	<5.0	<5.0	<150	MW-7	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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	07/22/96		134.65	24.40	0.00	110.25	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	10/17/96			23.78	0.00	110.87	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	03/25/97			23.60	0.00	111.05	<50	0.54	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	06/20/97			22.86	0.00	111.79	67	1.4	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	08/22/97			23.77	0.00	110.88	<50	<0.30	1.2	0.30	2.1	<10	-	-	-	-	-	MW-8	
	11/17/97			24.39	0.00	110.26	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-8	
	03/18/98			19.58	0.00	115.07	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	06/18/98			19.48	0.00	115.17	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	08/20/98			20.03	0.00	114.62	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	11/18/98			21.55	0.00	113.10	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	03/24/99			22.25	0.00	112.40	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	06/15/99			22.13	0.00	112.52	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	09/01/99			22.78	0.00	111.87	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	11/30/99			23.20	0.00	111.45	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	03/23/00			23.68	0.00	110.97	<50	<2.0	<2.0	<2.0	<4.0	2.0 J	<50	<5.0	<5.0	<5.0	-	MW-8	
	04/17/00			23.25	0.00	111.40	10 J	<0.11	<0.093	<0.18	<0.82	2.2 J	<5.0	<0.50	<0.57	<0.68	-	MW-8	
	07/11/00			23.62	0.00	111.03	<7.0	<0.11	<0.093	<0.18	<0.82	1.9 J	<5.0	<0.50	<0.57	<0.68	-	MW-8	
	10/11/00			23.81	0.00	110.84	6.9 J	<0.11	<0.093	<0.18	<0.82	1.1 J	<5.0	<0.50	<0.57	<0.68	-	MW-8	
	01/04/01			24.81	0.00	109.84	8.8 J	0.11 J	0.23 J	<0.18	<0.82	1.2 J	<5.0	<0.50	<0.57	<0.68	-	MW-8	
	04/19/01			23.30	0.00	111.35	<50	<1.0	<1.0	<1.0	1.5	<2.0	<10	<2.0	<2.0	<2.0	-	MW-8	
	07/09/01			22.71	0.00	111.94	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-8	
	10/02/01			22.81	0.00	111.84	78 J	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-8	
	01/30/02			24.83	0.00	109.82	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-8	
	04/02/02			23.51	0.00	111.14	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	MW-8	
	08/23/02			22.95	0.00	111.70	12 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-8	
	12/19/02			22.75	0.00	111.90	8.9 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-8	
	02/06/03			23.74	0.00	110.91	12 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	
	05/20/03			21.84	0.00	112.81	27 J	<0.5	<0.5	<0.5	<1.5	<1.0	<25	<1.0	<1.0	<1.0	<50	MW-8	
	07/18/03			21.58	0.00	113.07	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	
	11/21/03			21.90	0.00	112.75	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	
	02/20/04			22.98	0.00	111.67	24 J	<2.0	0.54 J	<2.0	0.56 J	<5.0	8.2 J	<5.0	<5.0	<5.0	<150	MW-8	
	06/23/04		134.75	23.31	0.00	111.44	22 J	<2.0	<2.0	1.8 J	0.80 J	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	
	09/08/04	NS		23.34	0.00	111.41	-	-	-	-	-	-	-	-	-	-	-	-	
	09/09/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	
	12/14/04			23.42	0.00	111.33	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	
	03/02/05			19.23	0.00	115.52	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	
	06/06/05			19.20	0.00	115.55	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	
	08/19/05	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	10/13/05			21.74	0.00	113.01	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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	03/18/98		-	-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	TB	
	06/18/98			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	08/20/98			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	11/18/98			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	03/24/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	06/15/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	09/01/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
	11/30/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	Trip Blank	
				-	-	-	11	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	Trip Blank	
	04/17/00			-	-	-	<9.3	<0.11	<0.093	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	Trip Blank	
	07/11/00			-	-	-	<7.0	<0.11	<0.093	<0.18	<0.82	<0.28	7.0	<0.50	<0.57	<0.68	-	Trip Blank	
	10/11/00			-	-	-	12	<0.11	<0.093	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	Trip Blank	
	01/04/01			-	-	-	40	<0.11	0.14	<0.18	<0.82	<0.28	<5.0	<0.50	<0.57	<0.68	-	Trip Blank	
	04/19/01			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	07/09/01			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	10/02/01			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	01/03/02			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	
	04/02/02			-	-	-	<50	<1.0	<1.0	<1.0	<1.0	<2.0	<10	<2.0	<2.0	<2.0	-	Trip Blank	

TABLE 7
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 0069
9922 South Figueroa Street, Los Angeles, California

Well No.	Date	Notes	TOC Elevation (ft-MSL)	Depth to Water (feet)	Measured SPH Thickness (feet)	Calc. 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	08/23/02		-	-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	Trip Blank	
	12/19/02			-	-	-	12 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	Trip Blank	
	02/06/03			-	-	-	11 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	Trip Blank	
	05/20/03			-	-	-	7.5 J	<0.5	<0.5	<0.5	<1.5	<5.0	<50	<1.0	<1.0	<1.0	<50	Trip Blank	
	07/18/03			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	Trip Blank	
	11/21/03			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	Trip Blank	
	02/20/04			-	-	-	<50	<2.0	0.45 J	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	Trip Blank	
	06/23/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-0069-20040623	
	09/09/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-0069-20040909	
	12/14/04			-	-	-	32 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-0069-20041214	
	03/02/05			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-0069-20050302	
	06/06/05			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-0069-20050606	
	08/19/05			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-0069-20050819	
	10/13/05			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-0069-20051013	

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 + 0.75*(Measured SPH Thickness); assuming a specific gravity of 0.75 for SPH
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.
DRY = Well dry during gauging or purging; not sampled
DUP = Duplicate sample
INA = Well inaccessible; not sampled
NS = Well not sampled
Purge sheen = Sheen was observed during purging of the scheduled sampling; well not sampled
SPH = Well not sampled due to the presence of separate phase hydrocarbons (SPH)

TABLE 8
SUMMARY OF ENHANCED FLUID RECOVERY (EFR) DATA (Discontinued)
ATLANTIC RICHFIELD COMPANY STATION NO. 0069
9922 SOUTH FIGUEROA STREET
LOS ANGELES, CALIFORNIA

Date	Well ID	Volume of Groundwater Removed (gallons)	Volume of LPH Removed (gallons)	Depth to Groundwater (feet)	Depth to Product (feet)	Thickness of Product (feet)	COMMENTS
10/04/04	MW-1	30.00	0.00	24.86	--	--	
11/05/04		32.00	0.00	26.46	--	--	
12/10/04		50.00	0.00	24.24	--	--	
07/08/04	MW-2	80.00	0.00	24.31	--	--	
08/16/04		27.00	0.00	24.87	--	--	
09/15/04		51.00	0.00	24.52	--	--	
02/28/03	MW-5	0.00	0.00	--	--	--	Dry
03/20/03		10.00	0.00	23.80	--	--	
04/08/03		0.00	0.00	--	--	--	Dry
05/12/03		0.00	0.00	--	--	--	Dry
06/20/03		2.00	0.00	--	--	--	
07/11/03		1.00	0.00	24.46	--	--	
08/15/03		5.00	0.00	24.25	--	--	
09/12/03		0.00	0.00	23.75	--	--	
10/10/03		4.00	0.00	24.35	--	--	
11/19/03		46.00	0.00	30.51	--	--	
12/18/03		60.00	0.00	24.09	--	--	
01/07/04		12.00	0.00	24.42	--	--	
01/21/04		14.00	0.00	24.59	--	--	
02/04/04		--	--	--	--	--	
02/28/03	MW-6	8.00	0.00	27.47	--	--	
03/20/03		40.00	0.00	25.92	--	--	
04/08/03		19.00	0.00	25.72	--	--	
05/12/03		21.00	0.00	32.03	--	--	
06/20/03		24.00	0.00	32.00	--	--	
07/11/03		25.00	0.00	24.37	--	--	
08/15/03		50.00	0.00	24.11	--	--	
09/12/03		0.00	0.00	24.26	--	--	
10/10/03		40.00	0.00	23.63	--	--	
11/19/00		31.00	0.00	23.91	--	--	
12/18/03		65.00	0.00	25.27	--	--	
01/07/04		65.00	0.00	25.57	--	--	
01/21/04		75.00	0.00	25.78	--	--	
02/04/04		40.00	0.00	29.96	--	--	
05/06/04		26.00	0.00	24.72	--	--	
06/10/04		28.00	0.00	25.01	--	--	
10/04/04		24.00	0.00	24.28	--	--	
11/05/04		27.00	0.00	27.56	--	--	
12/10/04		75.00	0.00	25.54	--	--	
03/03/04	MW-7	26.25	0.00	25.00	--	--	
04/08/04		40.00	0.00	25.07	--	--	
05/06/04		25.00	0.00	26.84	--	--	
07/08/04		120.00	0.00	25.78	--	--	
08/16/04		70.00	0.00	25.73	--	--	
09/15/04		116.00	0.00	25.74	--	--	
Total gallons recovered:		**1504.25**	**0.00**				

Notes:
* 1 gallon = 128 ounces
* Liquid phase hydrocarbon (LPH) recovered via overpurging.
* Approximately 2.21 gallons of LPH has been recovered prior to February 28, 2003.

Appendix A
Laboratory Report and Chain of Custody

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

November 3, 2005

STL LOT NUMBER: **E5J280173**
PO/CONTRACT: GEM-6-21909

DON INDERMILL
SECOR International Inc
290 Conejo Ridge Ave
Suite 200
Thousand Oaks, CA 91361

Dear DON INDERMILL,

This report contains the analytical results for the two samples received under chain of custody by STL Los Angeles on October 28, 2005. These samples are associated with your ARCO #69 project.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA/E87652.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000015 pages.

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria.

If you have any questions, please feel free to call me at 714.258.8610.

Sincerely,

Sabina Sudoko
Project Manager
CC: Project File

ARCO SITE#0069

ESJ280173

Page 1 of 1

Chain of Custody Record

Project Name: 2005-Q2 O&M
BP BU/AR Region/Enfos Segment: Retail (Coastal + CLA)
State or Lead Regulatory Agency: LARWQCB
Requested Due Date (mm/dd/yy): 11-14-05

On-site Time: 110	Temp:
Off-site Time: 300	Temp:
Sky Conditions: Clear	
Meteorological Events: None	
Wind Speed: None	Direction: -

Lab Name:	STL	BP/AR Facility No.:	69	Consultant/Contractor:	SECOR International Inc.
Address:	1721 South Grand Ave	BP/AR Facility Address:	9922 S. Figueroa, Los Angeles	Address:	290 Conejo Ridge Ave, Suite 200
	Santa Ana, CA 92705	Site Lat/Long:			Thousand Oaks, CA 91361
Lab PM:	Sabina Sudoko	California Global ID No.:	T0603700415	Consultant/Contractor Project No.:	37BP.U0069.
Tele/Fax:	(714)258-8610	Enfos Project No.:	G0C9Y-0001	Consultant/Contractor PM:	Don Indermill
BP/AR PM Contact:	Jack Oman	Provision or RCOP (circle one)		Tele/Fax:	(805) 230-1266 x 269
Address:	6 Centerpointe Dr.	Phase/WBS:	System O&M - Phase 3	Report Type & QC Level:	LARWQCB
	La Palma, CA	Sub Phase/Task:	Analytical	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:

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: BTEX 8021	BTEX/TPH	BTEX/Oxy/TPH	EPA 8260	EPA 8270	VFH C4-C12(TO-3)	BTEX/OXY(TO-14A)	Fixed Gases (D1946)			Sample Point Lat/Long and Comments
1	Sys Inf	152	10-27			X		1												X	X	X			VP-INF
2	Sys Eff	158	10-27			X		1												X	X	X			VP-EFF
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									

Sampler's Name: Tony Hickerson	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: SECOR	SECOR	10-28	1300	Elizabeth Cary STL	10/28/05	8:05
Shipment Date:				Terry Swart	102805	930
Shipment Method:						
Shipment Tracking No:						

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

3

ESJ280173

SECOR International Inc

Client Sample ID: SYS INF

GC/MS Volatiles

Lot-Sample #...: E5J280173-001 **Work Order #...:** HNT7N1AC **Matrix.....:** V
Date Sampled...: 10/27/05 13:52 **Date Received..:** 10/28/05
Prep Date.....: 10/28/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5302109 **Analysis Time..:** 15:41
Dilution Factor: 10
Analyst ID.....: 117751 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
tert-Butyl alcohol	**0.016 JDX,DF**	**0.10**	**ppm(v/v)**	**0.010**
Tert-amyl methyl ether	ND DF	0.020	ppm(v/v)	0.0020
Diisopropyl Ether (DIPE)	ND DF	0.020	ppm(v/v)	0.0020
Ethyl-t-Butyl Ether (ETBE)	ND DF	0.020	ppm(v/v)	0.0020
Benzene	**0.0083 JDX,DF**	**0.020**	**ppm(v/v)**	**0.0080**
Toluene	**0.011 JDX,DF**	**0.050**	**ppm(v/v)**	**0.0050**
Ethylbenzene	**0.055 DF**	**0.020**	**ppm(v/v)**	**0.0050**
m-Xylene & p-Xylene	**0.51 DF**	**0.020**	**ppm(v/v)**	**0.010**
o-Xylene	**0.34 DF**	**0.020**	**ppm(v/v)**	**0.0060**
Xylenes (total)	**0.86 DF**	**0.020**	**ppm(v/v)**	**0.010**
Methyl tert-butyl ether (MTBE)	**0.0070 JDX**	**0.020**	**ppm(v/v)**	**0.0050**

NOTE(S):

JDX J=EPA Flag - Esitmated value; DX = Value < lowest standard (MQL). but > MDL.

DF Reporting limits elevated due to matrix interferences.

SECOR International Inc

Client Sample ID: SYS INF

GC Volatiles

Lot-Sample #...: E5J280173-001 **Work Order #...:** HNT7N1AD **Matrix.....:** V
Date Sampled...: 10/27/05 13:52 **Date Received..:** 10/28/05
Prep Date.....: 10/28/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5301293 **Analysis Time..:** 10:45
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon dioxide	**0.57**	**0.010**	**%(v/v)**	**0.0020**
Oxygen	**21**	**0.20**	**%(v/v)**	**0.030**
Nitrogen	**77**	**1.0**	**%(v/v)**	**0.70**
Methane	**0.00068**	**0.00020**	**%(v/v)**	**0.000060**
Carbon monoxide	ND	0.0010	%(v/v)	0.00030

SECOR International Inc

Client Sample ID: SYS INF

GC Volatiles

Lot-Sample #...: E5J280173-001 **Work Order #...:** HNT7N1AA **Matrix.....:** V
Date Sampled...: 10/27/05 13:52 **Date Received..:** 10/28/05
Prep Date.....: 10/28/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5303101 **Analysis Time..:** 12:46
Dilution Factor: 1
Analyst ID.....: 402431 **Instrument ID..:** GC7
Method.....: EPA-19 TO-3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
GRO (C4 - C12)	**79**	**1.0**	**ppm(v/v)**	**0.30**

SECOR International Inc

Client Sample ID: SYS EFF

GC/MS Volatiles

Lot-Sample #...: E5J280173-002 **Work Order #...:** HNT761AC **Matrix.....:** V
Date Sampled...: 10/27/05 13:58 **Date Received..:** 10/28/05
Prep Date.....: 10/28/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5302109 **Analysis Time..:** 16:15
Dilution Factor: 1
Analyst ID.....: 117751 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
tert-Butyl alcohol	ND	0.010	ppm(v/v)	0.0010
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00020
Diisopropyl Ether (DIPE)	ND	0.0020	ppm(v/v)	0.00020
Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	ppm(v/v)	0.00020
Benzene	ND	0.0020	ppm(v/v)	0.00080
Toluene	**0.0011 JDX**	**0.0050**	**ppm(v/v)**	**0.00050**
Ethylbenzene	ND	0.0020	ppm(v/v)	0.00050
m-Xylene & p-Xylene	**0.0028**	**0.0020**	**ppm(v/v)**	**0.0010**
o-Xylene	**0.0015 JDX**	**0.0020**	**ppm(v/v)**	**0.00060**
Xylenes (total)	**0.0043**	**0.0020**	**ppm(v/v)**	**0.0010**
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	0.00050

NOTE(S):

JDX J=EPA Flag - Esitmated value; DX = Value < lowest standard (MQL). but > MDL.

SECOR International Inc

Client Sample ID: SYS EFF

GC Volatiles

Lot-Sample #...: E5J280173-002 **Work Order #...:** HNT761AD **Matrix.....:** V
Date Sampled...: 10/27/05 13:58 **Date Received..:** 10/28/05
Prep Date.....: 10/28/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5301293 **Analysis Time..:** 09:45
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon dioxide	**0.042**	**0.010**	**%(v/v)**	**0.0020**
Oxygen	**22**	**0.20**	**%(v/v)**	**0.030**
Nitrogen	**77**	**1.0**	**%(v/v)**	**0.70**
Methane	**0.00017 JDX**	**0.00020**	**%(v/v)**	**0.000060**
Carbon monoxide	ND	0.0010	%(v/v)	0.00030

NOTE(S):

JDX J=EPA Flag - Esitmated value; DX = Value < lowest standard (MQL). but > MDL.

SECOR International Inc

Client Sample ID: SYS EFF

GC Volatiles

Lot-Sample #...: E5J280173-002 **Work Order #...:** HNT761AA **Matrix.....:** V
Date Sampled...: 10/27/05 13:58 **Date Received..:** 10/28/05
Prep Date.....: 10/28/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5303101 **Analysis Time..:** 11:14
Dilution Factor: 1
Analyst ID.....: 402431 **Instrument ID..:** GC7
Method.....: EPA-19 TO-3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
GRO (C4 - C12)	ND	1.0	ppm(v/v)	0.30

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5J280173 **Work Order #...:** HN0J61AA **Matrix.....:** AIR
MB Lot-Sample #: M5J290000-109

Prep Date.....: 10/28/05 **Analysis Time..:** 12:27
Analysis Date..: 10/28/05 **Prep Batch #...:** 5302109 **Instrument ID..:** MSA
Dilution Factor: 1

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Diisopropyl Ether (DIPE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethyl-t-Butyl Ether (ETBE	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
m-Xylene & p-Xylene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
o-Xylene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E5J280173 **Work Order #...:** HNVQ61AA **Matrix.....:** AIR
MB Lot-Sample #: M5J280000-293

Prep Date.....: 10/27/05 **Analysis Time..:** 18:10
Analysis Date..: 10/27/05 **Prep Batch #...:** 5301293 **Instrument ID..:** GC3
Dilution Factor: 1

Analyst ID.....: 101605

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon dioxide	ND	0.010	%(v/v)	ASTM D1946
Oxygen	ND	0.20	%(v/v)	ASTM D1946
Nitrogen	ND	1.0	%(v/v)	ASTM D1946
Methane	ND	0.00020	%(v/v)	ASTM D1946
Carbon monoxide	ND	0.0010	%(v/v)	ASTM D1946

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E5J280173 **Work Order #...:** HN6J91AA **Matrix.....:** AIR
MB Lot-Sample #: M5J300000-101

Prep Date.....: 10/28/05 **Analysis Time..:** 00:28
Analysis Date..: 10/28/05 **Prep Batch #...:** 5303101 **Instrument ID..:** GC7
Dilution Factor: 1

Analyst ID.....: 402431

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
GRO (C4 - C12)	ND	1.0	ppm(v/v)	EPA-19 TO-3

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5J280173 **Work Order #...:** HN0J61AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J290000-109 HN0J61AD-LCSD
Prep Date.....: 10/28/05 **Analysis Date..:** 10/28/05
Prep Batch #...: 5302109 **Analysis Time..:** 11:17
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
tert-Butyl alcohol	0.250	0.251	ppm(v/v)	100		EPA-21 TO-14A
	0.250	0.240	ppm(v/v)	96	4.7	EPA-21 TO-14A
Tert-amyl methyl ether	0.0500	0.0406	ppm(v/v)	81		EPA-21 TO-14A
	0.0500	0.0397	ppm(v/v)	79	2.3	EPA-21 TO-14A
Ethyl-t-Butyl Ether (ETBE)	0.0500	0.0478	ppm(v/v)	96		EPA-21 TO-14A
	0.0500	0.0456	ppm(v/v)	91	4.8	EPA-21 TO-14A
Diisopropyl Ether (DIPE)	0.0500	0.0442	ppm(v/v)	88		EPA-21 TO-14A
	0.0500	0.0417	ppm(v/v)	83	5.8	EPA-21 TO-14A
Benzene	0.0500	0.0418	ppm(v/v)	84		EPA-21 TO-14A
	0.0500	0.0419	ppm(v/v)	84	0.23	EPA-21 TO-14A
Toluene	0.0500	0.0440	ppm(v/v)	88		EPA-21 TO-14A
	0.0500	0.0443	ppm(v/v)	89	0.52	EPA-21 TO-14A
Ethylbenzene	0.0500	0.0449	ppm(v/v)	90		EPA-21 TO-14A
	0.0500	0.0448	ppm(v/v)	90	0.20	EPA-21 TO-14A
m-Xylene & p-Xylene	0.100	0.0914	ppm(v/v)	91		EPA-21 TO-14A
	0.100	0.0901	ppm(v/v)	90	1.4	EPA-21 TO-14A
o-Xylene	0.0500	0.0455	ppm(v/v)	91		EPA-21 TO-14A
	0.0500	0.0447	ppm(v/v)	89	1.8	EPA-21 TO-14A
Xylenes (total)	0.150	0.137	ppm(v/v)	91		EPA-21 TO-14A
	0.150	0.135	ppm(v/v)	90	1.5	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	0.0500	0.0550	ppm(v/v)	110		EPA-21 TO-14A
	0.0500	0.0538	ppm(v/v)	108	2.2	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E5J280173 **Work Order #...:** HNVQ61AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J280000-293 HNVQ61AD-LCSD
Prep Date.....: 10/27/05 **Analysis Date..:** 10/27/05
Prep Batch #...: 5301293 **Analysis Time..:** 17:30
Dilution Factor: 1 **Instrument ID..:** GC3
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon dioxide	**1.00**	**1.02**	**%(v/v)**	**102**		**ASTM D1946**
	1.00	**1.02**	**%(v/v)**	**102**	**0.25**	**ASTM D1946**
Methane	**0.0500**	**0.0488**	**%(v/v)**	**98**		**ASTM D1946**
	0.0500	**0.0484**	**%(v/v)**	**97**	**0.75**	**ASTM D1946**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E5J280173 **Work Order #...:** HN6J91AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5J300000-101 HN6J91AD-LCSD
Prep Date.....: 10/27/05 **Analysis Date..:** 10/27/05
Prep Batch #...: 5303101 **Analysis Time..:** 22:44
Dilution Factor: 1 **Instrument ID..:** GC7
Analyst ID.....: 402431

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
GRO (C4 - C12)	**10.7**	**10.7 LW**	**ppm(v/v)**	**100**		**EPA-19 TO-3**
	10.7	**10.5 LW**	**ppm(v/v)**	**98**	**1.4**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LW Quantitated against gasoline.

Del Mar Analytical

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

LABORATORY REPORT

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

Project: ARCO 0069, Los Angeles

Sampled: 10/13/05
Received: 10/18/05
Issued: 10/31/05 11:21

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 BPGCLN Technical Specifications, applicable federal, state, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. 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.

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
IOJ1278-01	MW-1	Water
IOJ1278-02	MW-2	Water
IOJ1278-03	MW-3	Water
IOJ1278-04	MW-5	Water
IOJ1278-05	MW-6	Water
IOJ1278-06	MW-7	Water
IOJ1278-07	MW-8	Water
IOJ1278-08	DUP-0069-20051013	Water
IOJ1278-09	TB-0069-20051013	Water

Reviewed By:

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: IOJ1278-01 (MW-1 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5J25101	240	500	**690**	10	10/25/05	10/25/05	
Surrogate: 4-BFB (FID) (65-140%)					*119 %*				
Sample ID: IOJ1278-02 (MW-2 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5J25036	24	50	**120**	1	10/25/05	10/25/05	
Surrogate: 4-BFB (FID) (65-140%)					*98 %*				
Sample ID: IOJ1278-03 (MW-3 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5J25036	24	50	**44**	1	10/25/05	10/25/05	J,DX
Surrogate: 4-BFB (FID) (65-140%)					*120 %*				
Sample ID: IOJ1278-04 (MW-5 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5J25101	1200	2500	**15000**	50	10/25/05	10/25/05	
Surrogate: 4-BFB (FID) (65-140%)					*95 %*				
Sample ID: IOJ1278-05 (MW-6 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5J25036	24	50	ND	1	10/25/05	10/25/05	
Surrogate: 4-BFB (FID) (65-140%)					*119 %*				
Sample ID: IOJ1278-06 (MW-7 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5J25036	24	50	ND	1	10/25/05	10/25/05	
Surrogate: 4-BFB (FID) (65-140%)					*95 %*				
Sample ID: IOJ1278-07 (MW-8 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5J25101	24	50	ND	1	10/25/05	10/25/05	
Surrogate: 4-BFB (FID) (65-140%)					*106 %*				
Sample ID: IOJ1278-08 (DUP-0069-20051013 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5J25101	1200	2500	**15000**	50	10/25/05	10/25/05	
Surrogate: 4-BFB (FID) (65-140%)					*135 %*				

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles
Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: IOJ1278-09 (TB-0069-20051013 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	5J25036	24	50	ND	1	10/25/05	10/25/05	
Surrogate: 4-BFB (FID) (65-140%)					*104 %*				

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: IOJ1278-01 (MW-1 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	5J24014	0.28	2.0	ND	1	10/24/05	10/24/05	
Ethylbenzene	EPA 8260B	5J24014	0.25	2.0	**8.3**	1	10/24/05	10/24/05	
Toluene	EPA 8260B	5J24014	0.36	2.0	**0.72**	1	10/24/05	10/24/05	J,DX
m,p-Xylenes	EPA 8260B	5J24014	0.52	2.0	**11**	1	10/24/05	10/24/05	
o-Xylene	EPA 8260B	5J24014	0.24	2.0	**1.7**	1	10/24/05	10/24/05	J,DX
Xylenes, Total	EPA 8260B	5J24014	0.52	4.0	**13**	1	10/24/05	10/24/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J24014	0.25	5.0	ND	1	10/24/05	10/24/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J24014	0.28	5.0	ND	1	10/24/05	10/24/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J24014	0.33	5.0	ND	1	10/24/05	10/24/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J24014	0.32	5.0	**1.2**	1	10/24/05	10/24/05	J,DX
tert-Butanol (TBA)	EPA 8260B	5J24014	3.1	50	ND	1	10/24/05	10/24/05	
Ethanol	EPA 8260B	5J24014	100	150	ND	1	10/24/05	10/24/05	
Surrogate: Dibromofluoromethane (80-120%)					*108 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				
Sample ID: IOJ1278-02 (MW-2 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	5J24014	0.28	2.0	ND	1	10/24/05	10/24/05	
Ethylbenzene	EPA 8260B	5J24014	0.25	2.0	**0.81**	1	10/24/05	10/24/05	J,DX
Toluene	EPA 8260B	5J24014	0.36	2.0	ND	1	10/24/05	10/24/05	
m,p-Xylenes	EPA 8260B	5J24014	0.52	2.0	ND	1	10/24/05	10/24/05	
o-Xylene	EPA 8260B	5J24014	0.24	2.0	ND	1	10/24/05	10/24/05	
Xylenes, Total	EPA 8260B	5J24014	0.52	4.0	ND	1	10/24/05	10/24/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J24014	0.25	5.0	ND	1	10/24/05	10/24/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J24014	0.28	5.0	ND	1	10/24/05	10/24/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J24014	0.33	5.0	ND	1	10/24/05	10/24/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J24014	0.32	5.0	ND	1	10/24/05	10/24/05	
tert-Butanol (TBA)	EPA 8260B	5J24014	3.1	50	ND	1	10/24/05	10/24/05	
Ethanol	EPA 8260B	5J24014	100	150	ND	1	10/24/05	10/24/05	
Surrogate: Dibromofluoromethane (80-120%)					*106 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*100 %*				

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: IOJ1278-03 (MW-3 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	5J24014	0.28	2.0	ND	1	10/24/05	10/24/05	
Ethylbenzene	EPA 8260B	5J24014	0.25	2.0	**0.48**	1	10/24/05	10/24/05	J,DX
Toluene	EPA 8260B	5J24014	0.36	2.0	ND	1	10/24/05	10/24/05	
m,p-Xylenes	EPA 8260B	5J24014	0.52	2.0	ND	1	10/24/05	10/24/05	
o-Xylene	EPA 8260B	5J24014	0.24	2.0	ND	1	10/24/05	10/24/05	
Xylenes, Total	EPA 8260B	5J24014	0.52	4.0	ND	1	10/24/05	10/24/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J24014	0.25	5.0	ND	1	10/24/05	10/24/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J24014	0.28	5.0	ND	1	10/24/05	10/24/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J24014	0.33	5.0	ND	1	10/24/05	10/24/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J24014	0.32	5.0	**4.3**	1	10/24/05	10/24/05	J,DX
tert-Butanol (TBA)	EPA 8260B	5J24014	3.1	50	ND	1	10/24/05	10/24/05	
Ethanol	EPA 8260B	5J24014	100	150	ND	1	10/24/05	10/24/05	
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*98 %*				
Sample ID: IOJ1278-04 (MW-5 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	5J25009	5.6	40	**550**	20	10/25/05	10/25/05	
Ethylbenzene	EPA 8260B	5J25009	5.0	40	**780**	20	10/25/05	10/25/05	
Toluene	EPA 8260B	5J25009	7.2	40	**45**	20	10/25/05	10/25/05	
m,p-Xylenes	EPA 8260B	5J25009	10	40	**2100**	20	10/25/05	10/25/05	
o-Xylene	EPA 8260B	5J25009	4.8	40	**1000**	20	10/25/05	10/25/05	
Xylenes, Total	EPA 8260B	5J25009	10	80	**3100**	20	10/25/05	10/25/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J25009	5.0	100	ND	20	10/25/05	10/25/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J25009	5.6	100	ND	20	10/25/05	10/25/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J25009	6.6	100	**15**	20	10/25/05	10/25/05	J,DX
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J25009	6.4	100	**610**	20	10/25/05	10/25/05	
tert-Butanol (TBA)	EPA 8260B	5J25009	62	1000	**6100**	20	10/25/05	10/25/05	
Ethanol	EPA 8260B	5J25009	2000	3000	ND	20	10/25/05	10/25/05	IO
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*96 %*				

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: IOJ1278-05 (MW-6 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	5J24014	0.28	2.0	ND	1	10/24/05	10/24/05	
Ethylbenzene	EPA 8260B	5J24014	0.25	2.0	ND	1	10/24/05	10/24/05	
Toluene	EPA 8260B	5J24014	0.36	2.0	ND	1	10/24/05	10/24/05	
m,p-Xylenes	EPA 8260B	5J24014	0.52	2.0	ND	1	10/24/05	10/24/05	
o-Xylene	EPA 8260B	5J24014	0.24	2.0	ND	1	10/24/05	10/24/05	
Xylenes, Total	EPA 8260B	5J24014	0.52	4.0	ND	1	10/24/05	10/24/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J24014	0.25	5.0	ND	1	10/24/05	10/24/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J24014	0.28	5.0	ND	1	10/24/05	10/24/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J24014	0.33	5.0	ND	1	10/24/05	10/24/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J24014	0.32	5.0	**3.8**	1	10/24/05	10/24/05	J,DX
tert-Butanol (TBA)	EPA 8260B	5J24014	3.1	50	ND	1	10/24/05	10/24/05	
Ethanol	EPA 8260B	5J24014	100	150	ND	1	10/24/05	10/24/05	
Surrogate: Dibromofluoromethane (80-120%)					*103 %*				
Surrogate: Toluene-d8 (80-120%)					*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				
Sample ID: IOJ1278-06 (MW-7 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	5J24014	0.28	2.0	ND	1	10/24/05	10/24/05	
Ethylbenzene	EPA 8260B	5J24014	0.25	2.0	ND	1	10/24/05	10/24/05	
Toluene	EPA 8260B	5J24014	0.36	2.0	ND	1	10/24/05	10/24/05	
m,p-Xylenes	EPA 8260B	5J24014	0.52	2.0	ND	1	10/24/05	10/24/05	
o-Xylene	EPA 8260B	5J24014	0.24	2.0	ND	1	10/24/05	10/24/05	
Xylenes, Total	EPA 8260B	5J24014	0.52	4.0	ND	1	10/24/05	10/24/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J24014	0.25	5.0	ND	1	10/24/05	10/24/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J24014	0.28	5.0	ND	1	10/24/05	10/24/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J24014	0.33	5.0	ND	1	10/24/05	10/24/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J24014	0.32	5.0	**5.8**	1	10/24/05	10/24/05	
tert-Butanol (TBA)	EPA 8260B	5J24014	3.1	50	ND	1	10/24/05	10/24/05	
Ethanol	EPA 8260B	5J24014	100	150	ND	1	10/24/05	10/24/05	
Surrogate: Dibromofluoromethane (80-120%)					*109 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*96 %*				

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: IOJ1278-07 (MW-8 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	5J24014	0.28	2.0	ND	1	10/24/05	10/25/05	
Ethylbenzene	EPA 8260B	5J24014	0.25	2.0	ND	1	10/24/05	10/25/05	
Toluene	EPA 8260B	5J24014	0.36	2.0	ND	1	10/24/05	10/25/05	
m,p-Xylenes	EPA 8260B	5J24014	0.52	2.0	ND	1	10/24/05	10/25/05	
o-Xylene	EPA 8260B	5J24014	0.24	2.0	ND	1	10/24/05	10/25/05	
Xylenes, Total	EPA 8260B	5J24014	0.52	4.0	ND	1	10/24/05	10/25/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J24014	0.25	5.0	ND	1	10/24/05	10/25/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J24014	0.28	5.0	ND	1	10/24/05	10/25/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J24014	0.33	5.0	ND	1	10/24/05	10/25/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J24014	0.32	5.0	ND	1	10/24/05	10/25/05	
tert-Butanol (TBA)	EPA 8260B	5J24014	3.1	50	ND	1	10/24/05	10/25/05	
Ethanol	EPA 8260B	5J24014	100	150	ND	1	10/24/05	10/25/05	
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*96 %*				
Sample ID: IOJ1278-08 (DUP-0069-20051013 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	5J25009	2.8	20	**560**	10	10/25/05	10/25/05	
Ethylbenzene	EPA 8260B	5J25009	2.5	20	**800**	10	10/25/05	10/25/05	
Toluene	EPA 8260B	5J25009	3.6	20	**57**	10	10/25/05	10/25/05	
m,p-Xylenes	EPA 8260B	5J25009	5.2	20	**2100**	10	10/25/05	10/25/05	
o-Xylene	EPA 8260B	5J25009	2.4	20	**1000**	10	10/25/05	10/25/05	
Xylenes, Total	EPA 8260B	5J25009	5.2	40	**3100**	10	10/25/05	10/25/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J25009	2.5	50	ND	10	10/25/05	10/25/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J25009	2.8	50	ND	10	10/25/05	10/25/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J25009	3.3	50	**17**	10	10/25/05	10/25/05	J,DX
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J25009	3.2	50	**640**	10	10/25/05	10/25/05	
tert-Butanol (TBA)	EPA 8260B	5J25009	31	500	**6500**	10	10/25/05	10/25/05	
Ethanol	EPA 8260B	5J25009	1000	1500	ND	10	10/25/05	10/25/05	IO
Surrogate: Dibromofluoromethane (80-120%)					*106 %*				
Surrogate: Toluene-d8 (80-120%)					*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*98 %*				

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: IOJ1278-09 (TB-0069-20051013 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	5J24014	0.28	2.0	ND	1	10/24/05	10/24/05	
Ethylbenzene	EPA 8260B	5J24014	0.25	2.0	ND	1	10/24/05	10/24/05	
Toluene	EPA 8260B	5J24014	0.36	2.0	ND	1	10/24/05	10/24/05	
m,p-Xylenes	EPA 8260B	5J24014	0.52	2.0	ND	1	10/24/05	10/24/05	
o-Xylene	EPA 8260B	5J24014	0.24	2.0	ND	1	10/24/05	10/24/05	
Xylenes, Total	EPA 8260B	5J24014	0.52	4.0	ND	1	10/24/05	10/24/05	
Di-isopropyl Ether (DIPE)	EPA 8260B	5J24014	0.25	5.0	ND	1	10/24/05	10/24/05	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	5J24014	0.28	5.0	ND	1	10/24/05	10/24/05	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	5J24014	0.33	5.0	ND	1	10/24/05	10/24/05	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	5J24014	0.32	5.0	ND	1	10/24/05	10/24/05	
tert-Butanol (TBA)	EPA 8260B	5J24014	3.1	50	ND	1	10/24/05	10/24/05	
Ethanol	EPA 8260B	5J24014	100	150	ND	1	10/24/05	10/24/05	
Surrogate: Dibromofluoromethane (80-120%)					*101 %*				
Surrogate: Toluene-d8 (80-120%)					*99 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*94 %*				

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: 5J25036 Extracted: 10/25/05											
Blank Analyzed: 10/25/2005 (5J25036-BLK1)											
GRO (C4 - C12)	ND	50	24	ug/l							
Surrogate: 4-BFB (FID)	*9.18*			*ug/l*	*10.0*		*92*	*65-140*			
LCS Analyzed: 10/25/2005 (5J25036-BS1)											
GRO (C4 - C12)	753	50	24	ug/l	800		94	65-140			
Surrogate: 4-BFB (FID)	*34.1*			*ug/l*	*30.0*		*114*	*65-140*			
Matrix Spike Analyzed: 10/25/2005 (5J25036-MS1)						**Source: IOJ1278-05**					
GRO (C4 - C12)	200	50	24	ug/l	220	ND	91	60-145			
Surrogate: 4-BFB (FID)	*8.79*			*ug/l*	*10.0*		*88*	*65-140*			
Matrix Spike Dup Analyzed: 10/25/2005 (5J25036-MSD1)						**Source: IOJ1278-05**					
GRO (C4 - C12)	215	50	24	ug/l	220	ND	98	60-145	7	20	
Surrogate: 4-BFB (FID)	*9.26*			*ug/l*	*10.0*		*93*	*65-140*			
Batch: 5J25101 Extracted: 10/25/05											
Blank Analyzed: 10/25/2005 (5J25101-BLK1)											
GRO (C4 - C12)	ND	50	24	ug/l							
Surrogate: 4-BFB (FID)	*10.6*			*ug/l*	*10.0*		*106*	*65-140*			
LCS Analyzed: 10/25/2005 (5J25101-BS1)											
GRO (C4 - C12)	694	50	24	ug/l	800		87	65-140			
Surrogate: 4-BFB (FID)	*22.9*			*ug/l*	*30.0*		*76*	*65-140*			
Matrix Spike Analyzed: 10/25/2005 (5J25101-MS1)						**Source: IOJ1278-07**					
GRO (C4 - C12)	211	50	24	ug/l	220	ND	96	60-145			
Surrogate: 4-BFB (FID)	*10.3*			*ug/l*	*10.0*		*103*	*65-140*			

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: 5J25101 Extracted: 10/25/05											
Matrix Spike Dup Analyzed: 10/25/2005 (5J25101-MSD1)						**Source: IOJ1278-07**					
GRO (C4 - C12)	231	50	24	ug/l	220	ND	105	60-145	9	20	
Surrogate: 4-BFB (FID)	*10.8*			*ug/l*	*10.0*		*108*	*65-140*			

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: 5J24014 Extracted: 10/24/05											
Blank Analyzed: 10/24/2005 (5J24014-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	*25.1*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*24.7*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.6*			*ug/l*	*25.0*		*94*	*80-120*			
LCS Analyzed: 10/24/2005 (5J24014-BS1)											
Benzene	24.9	2.0	0.28	ug/l	25.0		100	65-120			
Ethylbenzene	23.6	2.0	0.25	ug/l	25.0		94	70-125			
Toluene	24.4	2.0	0.36	ug/l	25.0		98	70-125			
m,p-Xylenes	46.3	2.0	0.52	ug/l	50.0		93	70-125			
o-Xylene	22.7	2.0	0.24	ug/l	25.0		91	70-125			
Xylenes, Total	69.0	4.0	0.52	ug/l	75.0		92	70-125			
Di-isopropyl Ether (DIPE)	24.9	5.0	0.25	ug/l	25.0		100	60-135			
Ethyl tert-Butyl Ether (ETBE)	24.9	5.0	0.28	ug/l	25.0		100	60-135			
tert-Amyl Methyl Ether (TAME)	26.1	5.0	0.33	ug/l	25.0		104	60-135			
Methyl-tert-butyl Ether (MTBE)	26.0	5.0	0.32	ug/l	25.0		104	55-140			
tert-Butanol (TBA)	126	50	3.1	ug/l	125		101	65-135			
Ethanol	252	150	100	ug/l	250		101	35-160			
Surrogate: Dibromofluoromethane	*26.3*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.0*			*ug/l*	*25.0*		*96*	*80-120*			

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: 5J24014 Extracted: 10/24/05											
Matrix Spike Analyzed: 10/24/2005 (5J24014-MS1)						**Source: IOJ1278-05**					
Benzene	26.0	2.0	0.28	ug/l	25.0	ND	104	60-125			
Ethylbenzene	26.2	2.0	0.25	ug/l	25.0	ND	105	65-130			
Toluene	25.7	2.0	0.36	ug/l	25.0	ND	103	65-125			
m,p-Xylenes	50.1	2.0	0.52	ug/l	50.0	ND	100	60-130			
o-Xylene	25.0	2.0	0.24	ug/l	25.0	ND	100	60-125			
Xylenes, Total	75.1	4.0	0.52	ug/l	75.0	ND	100	60-130			
Di-isopropyl Ether (DIPE)	26.1	5.0	0.25	ug/l	25.0	ND	104	60-140			
Ethyl tert-Butyl Ether (ETBE)	25.7	5.0	0.28	ug/l	25.0	ND	103	55-135			
tert-Amyl Methyl Ether (TAME)	27.7	5.0	0.33	ug/l	25.0	ND	111	55-140			
Methyl-tert-butyl Ether (MTBE)	32.2	5.0	0.32	ug/l	25.0	3.8	114	50-150			
tert-Butanol (TBA)	127	50	3.1	ug/l	125	ND	102	60-145			
Ethanol	263	150	100	ug/l	250	ND	105	35-160			
Surrogate: Dibromofluoromethane	*26.8*			*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*25.1*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.9*			*ug/l*	*25.0*		*104*	*80-120*			
Matrix Spike Dup Analyzed: 10/24/2005 (5J24014-MSD1)						**Source: IOJ1278-05**					
Benzene	25.4	2.0	0.28	ug/l	25.0	ND	102	60-125	2	20	
Ethylbenzene	25.5	2.0	0.25	ug/l	25.0	ND	102	65-130	3	20	
Toluene	25.4	2.0	0.36	ug/l	25.0	ND	102	65-125	1	20	
m,p-Xylenes	50.4	2.0	0.52	ug/l	50.0	ND	101	60-130	1	25	
o-Xylene	24.7	2.0	0.24	ug/l	25.0	ND	99	60-125	1	20	
Xylenes, Total	75.1	4.0	0.52	ug/l	75.0	ND	100	60-130	0	20	
Di-isopropyl Ether (DIPE)	25.1	5.0	0.25	ug/l	25.0	ND	100	60-140	4	25	
Ethyl tert-Butyl Ether (ETBE)	24.8	5.0	0.28	ug/l	25.0	ND	99	55-135	4	25	
tert-Amyl Methyl Ether (TAME)	27.2	5.0	0.33	ug/l	25.0	ND	109	55-140	2	30	
Methyl-tert-butyl Ether (MTBE)	31.2	5.0	0.32	ug/l	25.0	3.8	110	50-150	3	25	
tert-Butanol (TBA)	127	50	3.1	ug/l	125	ND	102	60-145	0	25	
Ethanol	288	150	100	ug/l	250	ND	115	35-160	9	30	
Surrogate: Dibromofluoromethane	*26.3*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.9*			*ug/l*	*25.0*		*104*	*80-120*			

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: 5J25009 Extracted: 10/25/05											
Blank Analyzed: 10/25/2005 (5J25009-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	*26.2*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*25.1*			*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			
LCS Analyzed: 10/25/2005 (5J25009-BS1)											
Benzene	24.9	2.0	0.28	ug/l	25.0		100	65-120			
Ethylbenzene	25.7	2.0	0.25	ug/l	25.0		103	70-125			
Toluene	24.4	2.0	0.36	ug/l	25.0		98	70-125			
m,p-Xylenes	50.9	2.0	0.52	ug/l	50.0		102	70-125			
o-Xylene	24.9	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)	25.0	5.0	0.25	ug/l	25.0		100	60-135			
Ethyl tert-Butyl Ether (ETBE)	24.3	5.0	0.28	ug/l	25.0		97	60-135			
tert-Amyl Methyl Ether (TAME)	26.4	5.0	0.33	ug/l	25.0		106	60-135			
Methyl-tert-butyl Ether (MTBE)	25.9	5.0	0.32	ug/l	25.0		104	55-140			
tert-Butanol (TBA)	128	50	3.1	ug/l	125		102	65-135			
Ethanol	281	150	100	ug/l	250		112	35-160			
Surrogate: Dibromofluoromethane	*25.7*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*24.2*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.7*			*ug/l*	*25.0*		*107*	*80-120*			

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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: 5J25009 Extracted: 10/25/05											
Matrix Spike Analyzed: 10/25/2005 (5J25009-MS1)					**Source: IOJ1152-01**						
Benzene	24.7	2.0	0.28	ug/l	25.0	ND	99	60-125			
Ethylbenzene	24.6	2.0	0.25	ug/l	25.0	ND	98	65-130			
Toluene	24.3	2.0	0.36	ug/l	25.0	ND	97	65-125			
m,p-Xylenes	48.0	2.0	0.52	ug/l	50.0	ND	96	60-130			
o-Xylene	22.9	2.0	0.24	ug/l	25.0	ND	92	60-125			
Xylenes, Total	70.9	4.0	0.52	ug/l	75.0	ND	95	60-130			
Di-isopropyl Ether (DIPE)	24.9	5.0	0.25	ug/l	25.0	ND	100	60-140			
Ethyl tert-Butyl Ether (ETBE)	24.4	5.0	0.28	ug/l	25.0	ND	98	55-135			
tert-Amyl Methyl Ether (TAME)	26.5	5.0	0.33	ug/l	25.0	ND	106	55-140			
Methyl-tert-butyl Ether (MTBE)	26.7	5.0	0.32	ug/l	25.0	ND	107	50-150			
tert-Butanol (TBA)	115	50	3.1	ug/l	125	ND	92	60-145			
Ethanol	310	150	100	ug/l	250	ND	124	35-160			
Surrogate: Dibromofluoromethane	*26.2*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*24.3*			*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.7*			*ug/l*	*25.0*		*99*	*80-120*			
Matrix Spike Dup Analyzed: 10/25/2005 (5J25009-MSD1)					**Source: IOJ1152-01**						
Benzene	25.5	2.0	0.28	ug/l	25.0	ND	102	60-125	3	20	
Ethylbenzene	24.4	2.0	0.25	ug/l	25.0	ND	98	65-130	1	20	
Toluene	24.5	2.0	0.36	ug/l	25.0	ND	98	65-125	1	20	
m,p-Xylenes	46.9	2.0	0.52	ug/l	50.0	ND	94	60-130	2	25	
o-Xylene	23.5	2.0	0.24	ug/l	25.0	ND	94	60-125	3	20	
Xylenes, Total	70.4	4.0	0.52	ug/l	75.0	ND	94	60-130	1	20	
Di-isopropyl Ether (DIPE)	25.6	5.0	0.25	ug/l	25.0	ND	102	60-140	3	25	
Ethyl tert-Butyl Ether (ETBE)	25.1	5.0	0.28	ug/l	25.0	ND	100	55-135	3	25	
tert-Amyl Methyl Ether (TAME)	27.6	5.0	0.33	ug/l	25.0	ND	110	55-140	4	30	
Methyl-tert-butyl Ether (MTBE)	27.3	5.0	0.32	ug/l	25.0	ND	109	50-150	2	25	
tert-Butanol (TBA)	119	50	3.1	ug/l	125	ND	95	60-145	3	25	
Ethanol	299	150	100	ug/l	250	ND	120	35-160	4	30	
Surrogate: Dibromofluoromethane	*26.7*			*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.4*			*ug/l*	*25.0*		*98*	*80-120*			

Del Mar Analytical, Irvine
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

DATA QUALIFIERS AND DEFINITIONS

IO	Contract limits originate from BP-GCLN Technical Requirements
J,DX	EPA Flag - Estimated value,Value < lowest standard (MQL), but > than MDL
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
Lisa Reightley
Project Manager

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

Del Mar Analytical

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

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

Project ID: ARCO 0069, Los Angeles

Report Number: IOJ1278

Sampled: 10/13/05
Received: 10/18/05

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
Lisa Reightley
Project Manager

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

115

Page____ of _____

Chain of Custody Record

Project Name: Q4-2005 GROUNDWATER
BP BU/AR Region/Enfos Segment: RETAIL (Coastal +C.LA)
State or Lead Regulatory Agency:
Requested Due Date (10/26/05): 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.:	69	Consultant/Contractor:	SECOR International, Inc
Address:	17461 Derian Ave Ste 100	BP/AR Facility Address:	9922 Figueroa St. S, L.A., CA	Address:	290 Conejo Ridge Ave Suite 200
	Irvine, CA 92614	Site Lat/Long:			Thousand Oaks, CA 91361
Lab PM:	Chris Roberts	California Global ID No.:	T0603700415	Consultant/Contractor Project No.:	37BP.00069.00
Tele/Fax:	949-261-1022	Enfos Project No.:	G0C9Y-0001	Consultant/Contractor PM:	LISA MORENO/ DON INDERMILL
BP/AR PM Contact:	Ravie Kolhatkar	Provision or RCOP (circle one)		Tele/Fax:	805-230-1266/805-230-1277
Address:	4 Centerpoint Dr.	Phase/WBS:	3- WATER	Report Type & QC Level:	Standard
	La Palma, CA	Sub Phase/Task:	Analytical	E-mail EDD To:	bauchard @secor.com
Tele/Fax:	(714) 670-3061	Cost Element:	Sub Contracted Cost	Invoice to:	Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No: 10J1278

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
1	MW-1	0910	10/13/05		X			4				X		X	X	
2	MW-2	0945	10/13/05		X			4				X		X	X	
3	MW-3	1020	10/13/05		X			4				X		X	X	
4	MW-5	1035	10/13/05		X			4				X		X	X	
5	MW-6	1115	10/13/05		X			4				X		X	X	
6	MW-7	1125	10/13/05		X			4				X		X	X	
7	MW-8	1215	10/13/05		X			4				X		X	X	
8	DUP-0069-20051013	—	10/13/05		X			4				X		X	X	
9	TB-0069-20051013	—	10/13/05		X			4				X		X	X	
10																
11																

Sampler's Name: Shyam Kishimoto	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: SECOR	[signature]	10/18/05	1330	[signature] DMAT	10/18/05	1330
Shipment Date:	[signature] DMAT	10/18/05	1800	[signature] DMAT	10/18/05	1800
Shipment Method:						
Shipment Tracking No:						

Special Instructions:

Custody Seals In Place Yes____ No X Temp Blank Yes____ No X Cooler Temperature on Receipt 4 °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

SEVERN TRENT STL

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705

Tel: 714 258 8610 Fax: 714 258 0921
www.stl-inc.com

December 20, 2005

STL LOT NUMBER: **E5L090352**
PO/CONTRACT: GEM-6-21909

DON INDERMILL
SECOR International Inc
290 Conejo Ridge Ave
Suite 200
Thousand Oaks, CA 91361

Dear DON INDERMILL,

This report contains the analytical results for the two samples received under chain of custody by STL Los Angeles on December 9, 2005. These samples are associated with your ARCO #69 project.

STL Los Angeles certifies that the test results provided in this report meet all the requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA/E87652.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000015 pages.

CASE NARRATIVE

Historical control limits for the LCS are used to define the estimate of uncertainty for a method.

All applicable quality control procedures met method-specified acceptance criteria.

If you have any questions, please feel free to call me at 714.258.8610.

Sincerely,

Sabina Sudoko
Project Manager
CC: Project File

ARCO SITE#0069

E5L090352

Page 1 of 1

Chain of Custody Record

Project Name: 2005-Q2 O&M
BP BU/AR Region/Enfos Segment: Retail (Coastal + CLA)
State or Lead Regulatory Agency: LARWQCB
Requested Due Date (mm/dd/yy): 1-3-06

On-site Time:	145	Temp:	77
Off-site Time:	240	Temp:	77
Sky Conditions:	Clear		
Meteorological Events:	None		
Wind Speed:	None	Direction:	None

Lab Name:	STL	BP/AR Facility No.:	69	Consultant/Contractor:	SECOR International Inc.
Address:	1721 South Grand Ave	BP/AR Facility Address:	9922 S. Figueroa, Los Angeles	Address:	290 Conejo Ridge Ave, Suite 200
	Santa Ana, CA 92705	Site Lat/Long:			Thousand Oaks, CA 91361
Lab PM:	Sabina Sudoko	California Global ID No.:	T0603700415	Consultant/Contractor Project No.:	37BP.U0069.
Tele/Fax:	(714)258-8610	Enfos Project No.:	G0C9Y-0001	Consultant/Contractor PM:	Don Indermill
BP/AR PM Contact:	Jack Oman	Provision or RCOP (circle one)		Tele/Fax:	(805) 230-1266 x 269
Address:	6 Centerpointe Dr.	Phase/WBS:	System O&M - Phase 3	Report Type & QC Level:	LARWQCB
	La Palma, CA	Sub Phase/Task:	Analytical	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:

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: BTEX 8021	BTEX/TPH	BTEX/Oxy/TPH	EPA 8260	EPA 8270	VFH C4-C12(TO-3)	BTEX/OXY(TO-14A)	Fixed Gases (D1946)			Sample Point Lat/Long and Comments
1	Sys Inf	200	12-8			X		1												X	X	X			VP-INF
2	Sys Eff	159	12-8			X		1												X	X	X			VP-EFF
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Layne Hodgson						
Sampler's Company: SECOR	SECOR	12-7	940	Stuart SR	12/7/05	940
Shipment Date:	Stuart SR	12/7/05	1030		12/7/05	1030
Shipment Method:						
Shipment Tracking No:						

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

3

E5L090352

SECOR International Inc

Client Sample ID: SYS INF

GC/MS Volatiles

Lot-Sample #...: E5L090352-001 **Work Order #...:** HRT2C1AC **Matrix.....:** V
Date Sampled...: 12/08/05 14:00 **Date Received..:** 12/09/05
Prep Date.....: 12/09/05 **Analysis Date..:** 12/09/05
Prep Batch #...: 5350152 **Analysis Time..:** 23:53
Dilution Factor: 1
Analyst ID.....: 117751 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
tert-Butyl alcohol	**0.014**	**0.010**	**ppm(v/v)**	**0.0010**
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00020
Diisopropyl Ether (DIPE)	ND	0.0020	ppm(v/v)	0.00020
Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	ppm(v/v)	0.00020
Benzene	**0.0060**	**0.0020**	**ppm(v/v)**	**0.00080**
Toluene	**0.012**	**0.0050**	**ppm(v/v)**	**0.00050**
Ethylbenzene	**0.060**	**0.0020**	**ppm(v/v)**	**0.00050**
m-Xylene & p-Xylene	**0.56**	**0.0020**	**ppm(v/v)**	**0.0010**
o-Xylene	**0.39**	**0.0020**	**ppm(v/v)**	**0.00060**
Xylenes (total)	**0.95**	**0.0020**	**ppm(v/v)**	**0.0010**
Methyl tert-butyl ether (MTBE)	**0.015**	**0.0020**	**ppm(v/v)**	**0.00050**

SECOR International Inc

Client Sample ID: SYS INF

GC Volatiles

Lot-Sample #...: E5L090352-001 **Work Order #...:** HRT2C1AD **Matrix.....:** V
Date Sampled...: 12/08/05 14:00 **Date Received..:** 12/09/05
Prep Date.....: 12/09/05 **Analysis Date..:** 12/09/05
Prep Batch #...: 5353341 **Analysis Time..:** 16:24
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon dioxide	**0.64**	**0.010**	**%(v/v)**	**0.0020**
Oxygen	**21**	**0.20**	**%(v/v)**	**0.030**
Nitrogen	**78**	**1.0**	**%(v/v)**	**0.70**
Methane	**0.00048**	**0.00020**	**%(v/v)**	**0.000060**
Carbon monoxide	ND	0.0010	%(v/v)	0.00030

SECOR International Inc

Client Sample ID: SYS INF

GC Volatiles

Lot-Sample #...: E5L090352-001 **Work Order #...:** HRT2C1AA **Matrix.....:** V
Date Sampled...: 12/08/05 14:00 **Date Received..:** 12/09/05
Prep Date.....: 12/09/05 **Analysis Date..:** 12/09/05
Prep Batch #...: 5346685 **Analysis Time..:** 18:12
Dilution Factor: 1
Analyst ID.....: 358011 **Instrument ID..:** GC7
Method.....: EPA-19 TO-3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
GRO (C4 - C12)	**49**	**1.0**	**ppm(v/v)**	**0.30**

SECOR International Inc

Client Sample ID: SYS EFF

GC/MS Volatiles

Lot-Sample #...: E5L090352-002 **Work Order #...:** HRT2G1AC **Matrix.....:** V
Date Sampled...: 12/08/05 13:59 **Date Received..:** 12/09/05
Prep Date.....: 12/10/05 **Analysis Date..:** 12/10/05
Prep Batch #...: 5350152 **Analysis Time..:** 00:26
Dilution Factor: 1
Analyst ID.....: 117751 **Instrument ID..:** MSA
Method.....: EPA-21 TO-14A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
tert-Butyl alcohol	ND	0.010	ppm(v/v)	0.0010
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	0.00020
Diisopropyl Ether (DIPE)	ND	0.0020	ppm(v/v)	0.00020
Ethyl-t-Butyl Ether (ETBE)	ND	0.0020	ppm(v/v)	0.00020
Benzene	**0.0011 JDX**	**0.0020**	**ppm(v/v)**	**0.00080**
Toluene	**0.011**	**0.0050**	**ppm(v/v)**	**0.00050**
Ethylbenzene	**0.00061 JDX**	**0.0020**	**ppm(v/v)**	**0.00050**
m-Xylene & p-Xylene	**0.0021**	**0.0020**	**ppm(v/v)**	**0.0010**
o-Xylene	**0.00074 JDX**	**0.0020**	**ppm(v/v)**	**0.00060**
Xylenes (total)	**0.0028**	**0.0020**	**ppm(v/v)**	**0.0010**
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	0.00050

NOTE(S):

JDX J=EPA Flag - Esitmated value; DX = Value < lowest standard (MQL). but > MDL.

SECOR International Inc

Client Sample ID: SYS EFF

GC Volatiles

Lot-Sample #...: E5L090352-002 **Work Order #...:** HRT2G1AD **Matrix.....:** V
Date Sampled...: 12/08/05 13:59 **Date Received..:** 12/09/05
Prep Date.....: 12/09/05 **Analysis Date..:** 12/09/05
Prep Batch #...: 5353341 **Analysis Time..:** 16:02
Dilution Factor: 1
Analyst ID.....: 101605 **Instrument ID..:** GC3
Method.....: ASTM D1946

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbon dioxide	**0.058**	**0.010**	**%(v/v)**	**0.0020**
Oxygen	**22**	**0.20**	**%(v/v)**	**0.030**
Nitrogen	**78**	**1.0**	**%(v/v)**	**0.70**
Methane	**0.00023**	**0.00020**	**%(v/v)**	**0.000060**
Carbon monoxide	ND	0.0010	%(v/v)	0.00030

SECOR International Inc

Client Sample ID: SYS EFF

GC Volatiles

Lot-Sample #...: E5L090352-002 **Work Order #...:** HRT2G1AA **Matrix.....:** V
Date Sampled...: 12/08/05 13:59 **Date Received..:** 12/09/05
Prep Date.....: 12/09/05 **Analysis Date..:** 12/09/05
Prep Batch #...: 5346685 **Analysis Time..:** 18:33
Dilution Factor: 1
Analyst ID.....: 358011 **Instrument ID..:** GC7
Method.....: EPA-19 TO-3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
GRO (C4 - C12)	**0.47 JDX**	**1.0**	**ppm(v/v)**	**0.30**

NOTE(S):

JDX J=EPA Flag - Esitmated value; DX = Value < lowest standard (MQL). but > MDL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E5L090352 **Work Order #...:** HR83V1AA **Matrix.....:** AIR
MB Lot-Sample #: M5L160000-152

Prep Date.....: 12/09/05 **Analysis Time..:** 10:33
Analysis Date..: 12/09/05 **Prep Batch #...:** 5350152 **Instrument ID..:** MSA
Dilution Factor: 1

Analyst ID.....: 117751

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
tert-Butyl alcohol	ND	0.010	ppm(v/v)	EPA-21 TO-14A
Tert-amyl methyl ether	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Diisopropyl Ether (DIPE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Ethyl-t-Butyl Ether (ETBE	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Benzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Toluene	ND	0.0050	ppm(v/v)	EPA-21 TO-14A
Ethylbenzene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
m-Xylene & p-Xylene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
o-Xylene	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Xylenes (total)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A
Methyl tert-butyl ether (MTBE)	ND	0.0020	ppm(v/v)	EPA-21 TO-14A

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E5L090352 **Work Order #...:** HTEWA1AA **Matrix.....:** AIR
MB Lot-Sample #: M5L190000-341

Prep Date.....: 12/09/05 **Analysis Time..:** 21:17
Analysis Date..: 12/08/05 **Prep Batch #...:** 5353341 **Instrument ID..:** GC3
Dilution Factor: 1

Analyst ID.....: 101605

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon dioxide	ND	0.010	%(v/v)	ASTM D1946
Oxygen	ND	0.20	%(v/v)	ASTM D1946
Nitrogen	ND	1.0	%(v/v)	ASTM D1946
Methane	ND	0.00020	%(v/v)	ASTM D1946
Carbon monoxide	ND	0.0010	%(v/v)	ASTM D1946

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E5L090352 **Work Order #...:** HR0A41AA **Matrix.....:** AIR
MB Lot-Sample #: M5L120000-685

Prep Date.....: 12/09/05 **Analysis Time..:** 16:20
Analysis Date..: 12/09/05 **Prep Batch #...:** 5346685 **Instrument ID..:** GC7
Dilution Factor: 1

Analyst ID.....: 358011

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
GRO (C4 - C12)	ND	1.0	ppm(v/v)	EPA-19 TO-3

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E5L090352 **Work Order #...:** HR83V1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5L160000-152 HR83V1AD-LCSD
Prep Date.....: 12/09/05 **Analysis Date..:** 12/09/05
Prep Batch #...: 5350152 **Analysis Time..:** 11:36
Dilution Factor: 1 **Instrument ID..:** MSA
Analyst ID.....: 117751

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
tert-Butyl alcohol	**0.250**	**0.247**	**ppm(v/v)**	**99**		**EPA-21 TO-14A**
	0.250	**0.246**	**ppm(v/v)**	**99**	**0.12**	**EPA-21 TO-14A**
Tert-amyl methyl ether	**0.0500**	**0.0464**	**ppm(v/v)**	**93**		**EPA-21 TO-14A**
	0.0500	**0.0459**	**ppm(v/v)**	**92**	**1.0**	**EPA-21 TO-14A**
Ethyl-t-Butyl Ether (ETBE)	**0.0500**	**0.0469**	**ppm(v/v)**	**94**		**EPA-21 TO-14A**
	0.0500	**0.0472**	**ppm(v/v)**	**94**	**0.63**	**EPA-21 TO-14A**
Diisopropyl Ether (DIPE)	**0.0500**	**0.0462**	**ppm(v/v)**	**92**		**EPA-21 TO-14A**
	0.0500	**0.0476**	**ppm(v/v)**	**95**	**3.0**	**EPA-21 TO-14A**
Benzene	**0.0500**	**0.0471**	**ppm(v/v)**	**94**		**EPA-21 TO-14A**
	0.0500	**0.0470**	**ppm(v/v)**	**94**	**0.36**	**EPA-21 TO-14A**
Toluene	**0.0500**	**0.0476**	**ppm(v/v)**	**95**		**EPA-21 TO-14A**
	0.0500	**0.0470**	**ppm(v/v)**	**94**	**1.3**	**EPA-21 TO-14A**
Ethylbenzene	**0.0500**	**0.0480**	**ppm(v/v)**	**96**		**EPA-21 TO-14A**
	0.0500	**0.0474**	**ppm(v/v)**	**95**	**1.3**	**EPA-21 TO-14A**
m-Xylene & p-Xylene	**0.100**	**0.0978**	**ppm(v/v)**	**98**		**EPA-21 TO-14A**
	0.100	**0.0962**	**ppm(v/v)**	**96**	**1.7**	**EPA-21 TO-14A**
o-Xylene	**0.0500**	**0.0489**	**ppm(v/v)**	**98**		**EPA-21 TO-14A**
	0.0500	**0.0482**	**ppm(v/v)**	**96**	**1.5**	**EPA-21 TO-14A**
Xylenes (total)	**0.150**	**0.147**	**ppm(v/v)**	**98**		**EPA-21 TO-14A**
	0.150	**0.144**	**ppm(v/v)**	**96**	**1.6**	**EPA-21 TO-14A**
Methyl tert-butyl ether (MTBE)	**0.0500**	**0.0482**	**ppm(v/v)**	**96**		**EPA-21 TO-14A**
	0.0500	**0.0460**	**ppm(v/v)**	**92**	**4.7**	**EPA-21 TO-14A**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E5L090352 **Work Order #...:** HTEWA1AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5L190000-341 HTEWA1AD-LCSD
Prep Date.....: 12/09/05 **Analysis Date..:** 12/08/05
Prep Batch #...: 5353341 **Analysis Time..:** 20:37
Dilution Factor: 1 **Instrument ID..:** GC3
Analyst ID.....: 101605

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Carbon dioxide	**1.00**	**1.06**	**%(v/v)**	**106**		**ASTM D1946**
	1.00	**1.06**	**%(v/v)**	**106**	**0.17**	**ASTM D1946**
Methane	**0.0500**	**0.0484**	**%(v/v)**	**97**		**ASTM D1946**
	0.0500	**0.0482**	**%(v/v)**	**96**	**0.50**	**ASTM D1946**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: E5L090352 **Work Order #...:** HR0A41AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M5L120000-685 HR0A41AD-LCSD
Prep Date.....: 12/09/05 **Analysis Date..:** 12/09/05
Prep Batch #...: 5346685 **Analysis Time..:** 13:02
Dilution Factor: 1 **Instrument ID..:** GC7
Analyst ID.....: 358011

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
GRO (C4 - C12)	**10.7**	**10.5 LW**	**ppm(v/v)**	**98**		**EPA-19 TO-3**
	10.7	**9.97 LW**	**ppm(v/v)**	**93**	**4.9**	**EPA-19 TO-3**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LW Quantitated against gasoline.

Appendix B
Groundwater Sampling Field Data Sheets

Subjective and Well -Head Evaluation Form

Project No.: Q4-2005 Groundwater

Location: Los Angeles

Date: 10/13/2005

Station No.: 69

Field Technician: Shaun

Day of Week: Thursday

DTW ORDER	WELL ID	SURFICIAL SEAL	CONCRETE SEAL	LID SECURE	GASKET	LOCK	EXPANDING CAP	TOTAL DEPTH (feet)	TOTAL Depth at Sampling (feet)	DEPTH TO WATER (feet)	FLOATING PRODUCT THICKNESS (feet)	DISSOLVED OXYGEN READING (mg/L)	COMMENTS
	MW-1	G	G	G	G	N	G	37.70	~~22.09~~	22.09	Ø	0.54	
	MW-2	G	G	G	G	N	G	~~32.80~~	~~21.98~~	21.98	Ø	0.19	TD: 3400
	MW-3	G	G	G	G	N	G	~~37.68~~	~~22.60~~	22.60	Ø	0.48	TD: 37.70
	MW-5	G	G	G	G	N	G	~~27.00~~	26.51	22.54	Ø	0.26	dup
	MW-6	G	G	G	G	N	G	33.20	33.20	22.14	Ø	0.89	
	MW-7	G	G	G	G	G	G	35.20	35.20	21.58	Ø	0.53	
	MW-8	G	G	N	G	G	G	~~34.63~~	34.55	21.74	Ø	0.74	

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

GROUN VATER SAMPLE FIELD DA \ SHEET

ATLANTIC RICHFIELD COMPANY

PROJECT NO: Q4-2005 Groundwater	SAMPLE ID: MW-1
SAMPLER: Shaun	FACILITY NO: 69
DATE: 10/13/05	LOCATION: Los Angeles

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

DEPTH OF WELL (feet): 37.70	CALCULATED PURGE (gal): 31.22
DEPTH TO WATER (feet): 22.09	ACTUAL PURGE VOL (gal): 32.25
Standing Water in Casing (feet) 15.61 x 0.20= 3.122 + DTW 25.21 =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: 10/13/05 Start (2400 Hr.): 0817 End (2400 Hr.): 0842

Date Sampled: 10/13/05 Time (2400 Hr.): 0910 DTW @ Samp. Time: 25.00

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)
0824	10	67.0	1255	10.59	Clear	Trace	
0837	20	67.0	1181	7.71	"	"	
0842	32.25	64.8	1141	8.22	"	"	

* (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: DATE: ~~10/13/05~~ 10/18/05

Atlantic Richfield Company No. # 66

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY

PROJECT NO: Q4-2005 Groundwater	SAMPLE ID: MW-2
SAMPLER: Shaun	FACILITY NO: 69
DATE: 10/13/05	LOCATION: Los Angeles

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

DEPTH OF WELL (feet): 34.00	CALCULATED PURGE (gal): 24.04
DEPTH TO WATER (feet): 21.48	ACTUAL PURGE VOL (gal): 25
Standing Water in Casing (feet) 12.02 x 0.20= 2.404 + DTW 24.38 =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: 10/13/05 Start (2400 Hr.): 0855 End (2400 Hr.): 0923

Date Sampled: 10/13/05 Time (2400 Hr.): 0945 DTW @ Samp. Time: 22.15

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)
0912	5	69.4	858.5	8.35	Clear	Trace	
0920	10	69.8	934.3	8.30	"	"	
0929	25	70.1	933.3	8.33	"	"	

* (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: ~~10/13/05~~ 10/18/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY

PROJECT NO: Q4-2005 Groundwater	SAMPLE ID: MW-3
SAMPLER: Shaun	FACILITY NO: 69
DATE: 10/13/05	LOCATION: Los Angeles

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

DEPTH OF WELL (feet): 37.70	CALCULATED PURGE (gal): 30.20
DEPTH TO WATER (feet): 22.60	ACTUAL PURGE VOL (gal): 31
Standing Water in Casing (feet) 15.10 x 0.20= 3.02	+ DTW 25.62 =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: 10/13/05 Start (2400 Hr.): ~~0955~~ 0955 End (2400 Hr.): 1004

Date Sampled: 10/13/05 Time (2400 Hr.): 1020 DTW @ Samp. Time: 25.62

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)
~~0912~~	~~10~~	~~69.4~~	~~8.98~~	~~8.35~~	~~cloudy~~	~~trace~~	
0947	~~20~~ 18	70.2	1069	8.34	Cloudy	Light	
0955	~~31~~ 20	71.5	1157	8.28	"	"	
1004	31	72.0	1161	8.39	"	"	

* (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: ~~10/13/05~~ 10/18/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY

PROJECT NO: Q4-2005 Groundwater	SAMPLE ID: MW-5
SAMPLER: Shaun	FACILITY NO: 69
DATE: 10/13/05	LOCATION: Los Angeles

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

DEPTH OF WELL (feet): 26.57	CALCULATED PURGE (gal): 7.94
DEPTH TO WATER (feet): 22.54	ACTUAL PURGE VOL (gal): 8 4

Standing Water in Casing (feet) 3.97 x 0.20= 0.794 + DTW 23.33 =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: 10/13/05 Start (2400 Hr.): 1012 End (2400 Hr.): 1017

Date Sampled: 10/13/05 Time (2400 Hr.): 1035 DTW @ Samp. Time: 23.33

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1): Dup-0069-2005 1013

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) X1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
1013	3	71.7	1206	8.17	Cloudy	Heavy	
1017	4	69.5	1201	8.22	Yellow	Moderate	
	8						

* (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: 8 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY, NO SAMPLE COLLECTED: REVIEWED BY: Moreno DATE: ~~10/13/05~~ 10/18/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q4-2005 Groundwater	SAMPLE ID: MW-6
	SAMPLER: Shaun	FACILITY NO: 69
	DATE: 10/13/05	LOCATION: Los Angeles

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

DEPTH OF WELL (feet): 33.20	CALCULATED PURGE (gal): 22.12
DEPTH TO WATER (feet): 22.14	ACTUAL PURGE VOL (gal): 23
Standing Water in Casing (feet) 11.06 x 0.20= 2.212 + DTW 24.35 =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: 10/13/05 Start (2400 Hr.): 1033 End (2400 Hr.): 1052

Date Sampled: 10/13/05 Time (2400 Hr.): 1115 DTW @ Samp. Time: 24.30

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)
1038	8	70.5	2.124	7.92	cloudy	Trace	
1045	16	72.6	2.286	8.06	"	"	
1052	23	69.3	2.293	8.13	"	"	

* (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: ~~10/13/05~~ 10/18/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q4-2005 Groundwater	SAMPLE ID: MW-7
	SAMPLER: Shaun	FACILITY NO: 69
	DATE: 10/13/05	LOCATION: Los Angeles

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

DEPTH OF WELL (feet): 35.20	CALCULATED PURGE (gal): 7 7.24
DEPTH TO WATER (feet): 21.58	ACTUAL PURGE VOL (gal): 28
Standing Water in Casing (feet) 13.62 x 0.20= 2.724 + DTW 24.30 =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: 10/13/05 Start (2400 Hr.): 1102 End (2400 Hr.): 1115
Date Sampled: 10/13/05 Time (2400 Hr.): 1125 DTW @ Samp. Time: 22.94

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)
1106	10	74.2	1507	8.19	Cloudy	Light	
1109	20	76.6	1420	8.15	"	"	
1115	28	76.7	1443	8.15	"	"	

* (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: ~~10/13/05~~ 10/18/05

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY

PROJECT NO: Q4-2005 Groundwater	SAMPLE ID: MW-8
SAMPLER: Shaun	FACILITY NO: 69
DATE: 10/13/05	LOCATION: Los Angeles

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

DEPTH OF WELL (feet): 34.55	CALCULATED PURGE (gal): 25.62
DEPTH TO WATER (feet): 21.74	ACTUAL PURGE VOL (gal): 26
Standing Water in Casing (feet) 12.81 x 0.20= 2.562 + DTW 24.30 =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: 10/13/05 Start (2400 Hr.): 1139 End (2400 Hr.): 1153

Date Sampled: 10/13/05 Time (2400 Hr.): 1215 DTW @ Samp. Time: 29.50

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)
1143	~~20~~ 9	79.2	1108	8.09	clear	Trace	
1147	~~20~~ 18	75.8	1112	8.08	"	"	
1153	27	74.8	1142	8.03	"	"	

* (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: ~~10/13/05~~ 10/18/05

714 575 0025

Gunner Brandon

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)

TECHNICIAN	Initials: K. Newberry	Date:	10-13-05	Weekday:	THURS	Time:	0900
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS:	19044	Alarms:	LOW TEMP		
UTILITIES	Gas Meter	7371 cfm / therm		Electrical Meter	736663 KWh		

PARAGON SYSTEM OXIDIZER

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

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	100							
MW-5	100							
MW-3	—	—						
MW-2	—	—						
V-4 Low	—	—						
V-4 High	—	—						
MW-1	—	—						
V-1 Low	—	—						
V-1 High	—	—						
V-1 Mid	—	—						
V-3 Low	100							
V-3 High	100							

SYSTEM DOWN INSTALLING CAT BLOCK

COMPLIANCE	
DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED	
VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution	Yes/No	Influent w/o Dilutic	Yes/No	Effluent:	Yes/No	
STATUS DEPARTURE:	ON/OFF			Drums:	empty	full	

Notes: List all activities, observations, recommendations

Restart system

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)

TECHNICIAN	Initials: Tuckelson	Date:	10-20-07	Weekday:	Thurs	Time:	145
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS:	19041.1	Alarms:	lockout		
UTILITIES	Gas Meter	7484	cfm / therm	Electrical Meter	77665		KWh

PARAGON SYSTEM OXIDIZER

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

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6								
MW-5								
MW-3								
MW-2								
V-4 Low								
V-4 High								
MW-1								
V-1 Low								
V-1 High								
V-1 Mid								
V-3 Low								
V-3 High								

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution	Yes/No	Influent w/o Dilutic	Yes/No	Effluent: Yes/No

STATUS DEPARTURE:	ON/OFF	Drums:	empty	full

Notes: List all activities, observations, recommendations

Tried to unlock system using instructions, system would not unlock

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)

TECHNICIAN	Initials:	Date: 10-24-05	Weekday: MON	Time: 8:00			
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 19044.4	Alarms: ~~73674~~ RESTART				
UTILITIES	Gas Meter	7,385 cfm / therm	Electrical Meter	73674 KWh			

PARAGON SYSTEM OXIDIZER

Temperature	Process: 720 °F		Catalytic/Outlet: 720 °F				
Dilution Valve	Auto: 0 %open		Manual: 0 %open				
Blower	Amps: A	Lubricate? Yes/No	Change Oil? Yes/No	Belts OK? Yes/No			
Process Flow	scfm		Manifold Vacuum.: 66 "H_2O				
Source Well Flow (Pitot Tube)	P: in H_2O	DP: in H_2O	Temp.: °F	Source Flow: 247 cfm			
Effluent Flow	P: in H_2O	DP: in H_2O	Temp.: °F	Effluent Flow: scfm			
LEL Reading	Set %		PV %				
VES Process Concentrations	Influent w/dil: ppm	Influent w/o dil: 211 ppm	Effluent 13 ppm				
Monitoring Device	MINIRAE		Calibration (type/date) 100 PPM, 10-24-05				

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	100	66	151					
MW-5	100	66	236					
MW-3	100	66	429					
MW-2	0	—	—					
V-4 Low	0	—	—					
V-4 High	0	—	—					
MW-1	0	—	—					
V-1 Low	0	—	—					
V-1 High	0	—	—					
V-1 Mid	0	—	—					
V-3 Low	100	66	317					
V-3 High	100	66	134					

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature ~~>1400 °F~~ 700	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution Yes/No	Influent w/o Dilutio Yes/No	Effluent: Yes/No		
STATUS DEPARTURE:	ON/OFF		Drums:	empty	full

Notes: List all activities, observations, recommendations

REPROGRAM CONTROLLERS START-UP SYSTEM IN CAT MODE.

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)
TECHNICIAN	Initials: T. Mickelson	Date: 10-27-05	Weekday: Thurs Time: 1 40
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 19114.6	Alarms: None
UTILITIES	Gas Meter 7512 cfm / therm	Electrical Meter 74038 KWh	

PARAGON SYSTEM OXIDIZER

Temperature	Process: 730 °F		Catalytic/Outlet: 728 °F			
Dilution Valve	Auto: Closed %open		Manual: Closed %open			
Blower	Amps: 254 A	Lubricate? Yes/No	Change Oil? Yes/No	Belts OK? Yes/No		
Process Flow	scfm		Manifold Vacuum.: 66 "H_2O			
Source Well Flow (Pitot Tube)	P: in H_2O	DP: in H_2O	Temp.: °F	Source Flow: 156 cfm		
Effluent Flow	P: in H_2O	DP: in H_2O	Temp.: °F	Effluent Flow: scfm		
LEL Reading	Set %		PV %			
VES Process Concentrations	Influent w/dil: ppm	Influent w/o dil: 266 ppm	Effluent 0.8 ppm			
Monitoring Device	Mini RAE		Calibration (type/date) Hexane 100ppm 10-27			

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	open	65	139					
MW-5	open	65	211					
MW-3	~~open~~	~~65~~	—					
MW-2	—	—	—					
V-4 Low	—	—	—					
V-4 High	—	—	—					
MW-1	—	—	—					
V-1 Low	—	—	—					
V-1 High	—	—	—					
V-1 Mid	—	—	—					
V-3 Low	open	65	389					
V-3 High	open	65	177					

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution Yes/No	Influent w/o Dilutio Yes/No	Effluent: Yes/No	
STATUS DEPARTURE:	ON/OFF	Drums:	2 empty	full

Notes: List all activities, observations, recommendations

Took samples and shut system off

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueron St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)

TECHNICIAN	Initials: Tony Mickelson	Date: 11-4-05	Weekday: Fri	Time: 1000			
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 19114.2	Alarms: low temp				
UTILITIES	Gas Meter 7512	cfm / therm	Electrical Meter 74052	KWh			

PARAGON SYSTEM OXIDIZER

Temperature	Process: 728 °F		Catalytic/Outlet: 723 °F				
Dilution Valve	Auto: Closed %open		Manual: Closed %open				
Blower	Amps: 76.6 A	Lubricate? Yes/No	Change Oil? Yes/No	Belts OK? Yes/No			
Process Flow	scfm		Manifold Vacuum.: 68 "H_2O				
Source Well Flow (Pitot Tube)	P: in H_2O	DP: in H_2O	Temp.: °F	Source Flow: 142 cfm			
Effluent Flow	P: in H_2O	DP: in H_2O	Temp.: °F	Effluent Flow: scfm			
LEL Reading	Set %		PV %				
VES Process Concentrations	Influent w/dil: ppm	Influent w/o dil: 192 ppm	Effluent 0 ppm				
Monitoring Device	Mini RAE	Calibration (type/date) Hexane/isobutylene 11-5					

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	open	67	129					
MW-5	open	67	289					
MW-3	closed	–	–					
MW-2	closed	–	–					
V-4 Low	closed	–	–					
V-4 High	closed	–	–					
MW-1	closed	–	–					
V-1 Low	closed	–	–					
V-1 High	closed	–	–					
V-1 Mid	closed	–	–					
V-3 Low	open	67	326					
V-3 High	open	67	109					

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution Yes/No	Influent w/o Dilutic Yes/No	Effluent: Yes/No		
STATUS DEPARTURE:	ON/OFF	Drums:	empty	full	

Notes: List all activities, observations, recommendations

System was off with low temp. started system and took Reading
Shut system off on Departure

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)

TECHNICIAN	Initials: Tony Mickelson	Date:	11-10-05	Weekday:	Thurs	Time:	300
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS:	19115.0	Alarms:	Air failure		
UTILITIES	Gas Meter	7512	cfm / therm	Electrical Meter	74055		KWh

PARAGON SYSTEM OXIDIZER

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

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6								
MW-5								
MW-3								
MW-2								
V-4 Low								
V-4 High								
MW-1								
V-1 Low								
V-1 High								
V-1 Mid								
V-3 Low								
V-3 High								

COMPLIANCE	
DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED	
VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution	Yes/No	Influent w/o Dilutic	Yes/No	Effluent:	Yes/No	
STATUS DEPARTURE:	ON/OFF			Drums:	empty	full	

Notes: List all activities, observations, recommendations

Tried to start system, system would not start Due to air failure alarm Trouble shot pressure switch and other parts that would give this alarm, system still would not start problem may Be in the PLC will retrieve proper instructions to fix Alarm

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069 11/14/98		Unit:	Paragon Model # ET-250 Serial # 565	
ADDRESS	9922 Figueroa St., Los Angeles, CA.		Permit No.:	SCAQMD Permit No.125584 (Various Location)	
TECHNICIAN	Initials: PW	Date: 11-14-05	Weekday: MON	Time: 9:00	
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 19115.0	Alarms: RESTART		
UTILITIES	Gas Meter 7512 cfm / therm		Electrical Meter 74055 KWh		

PARAGON SYSTEM OXIDIZER

Temperature	Process: 718 °F		Catalytic/Outlet: 721 °F		
Dilution Valve	Auto: 0 %open		Manual: 0 %open		
Blower	Amps: — A	Lubricate? Yes/No	Change Oil? Yes/No	Belts OK? Yes/No	
Process Flow	scfm		Manifold Vacuum.: 60 "H_2O		
Source Well Flow (Pitot Tube)	P: in H_2O	DP: in H_2O	Temp.: °F	Source Flow: 189 cfm	
Effluent Flow	P: in H_2O	DP: in H_2O	Temp.: °F	Effluent Flow: scfm	
LEL Reading	Set %		PV %		
VES Process Concentrations	Influent w/dil: ppm	Influent w/o dil: 219 ppm	Effluent 7 ppm		
Monitoring Device	MINI RAE		Calibration (type/date) 100 HEP, 11-14-05		

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	100	60	271					
MW-5	100	60	314					
MW-3	100	60	406					
MW-2	—	—						
V-4 Low	—	—						
V-4 High	—	—						
MW-1	—	—						
V-1 Low	—	—						
V-1 High	—	—						
V-1 Mid	—	—						
V-3 Low	100	60	348					
V-3 High	100	60	129					

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400°F ~700	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution Yes/No	Influent w/o Dilutic Yes/No	Effluent: Yes/No		
STATUS DEPARTURE:	ON/OFF		Drums:	empty	full

Notes: List all activities, observations, recommendations

TROUBLESHOOT SOE ADJUST TIMER RELAY TO 30 SEC.
RESTART SYSTEM.

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)

TECHNICIAN	Initials: / Mickelson	Date:	11-17-05	Weekday:	Thurs	Time:	1100
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS:	19164.3	Alarms:	Air Failure		
UTILITIES	Gas Meter	7601	cfm / therm	Electrical Meter	74323		KWh

PARAGON SYSTEM OXIDIZER

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

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6								
MW-5								
MW-3								
MW-2								
V-4 Low								
V-4 High								
MW-1								
V-1 Low								
V-1 High								
V-1 Mid								
V-3 Low								
V-3 High								

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution	Yes/No	Influent w/o Dilutio	Yes/No	Effluent: Yes/No
STATUS DEPARTURE:	ON/OFF		Drums:	empty	full

Notes: List all activities, observations, recommendations

System was off Due to Air Failure, fuse to Control panel Blew out
Upon Restart will order fuse and Replace ASAP

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)

TECHNICIAN	Initials: T Mickelson	Date: 11-23-05	Weekday: Wed	Time: 1058			
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 19164.3	Alarms: Air failure				
UTILITIES	Gas Meter: 7601	cfm / therm	Electrical Meter	74323	KWh		

PARAGON SYSTEM OXIDIZER

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

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6								
MW-5								
MW-3								
MW-2								
V-4 Low								
V-4 High								
MW-1								
V-1 Low								
V-1 High								
V-1 Mid								
V-3 Low								
V-3 High								

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution	Yes/No	Influent w/o Dilutic	Yes/No	Effluent:	Yes/No
STATUS DEPARTURE:	ON/OFF		Drums:	empty	full	

Notes: List all activities, observations, recommendations

System was off with Blown fuse Replaced fuse, system still would Not run I was Instructed to leave system as is system will Be Repaired ASAP

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)

TECHNICIAN	Initials: PN	Date:	12-6-05	Weekday:	TUE	Time:	9:00
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS:	19164.4	Alarms:	RESET		
UTILITIES	Gas Meter	7601 cfm / therm		Electrical Meter	74352 KWh		

PARAGON SYSTEM OXIDIZER

Temperature	Process:	734 °F		Catalytic/Outlet:	731 °F		
Dilution Valve	Auto:	%open		Manual:	0 %open		
Blower	Amps:	26.9 A	Lubricate?	Yes/No	Change Oil?	Yes/No	Belts OK? Yes/No
Process Flow		scfm		Manifold Vacuum.:	62 "H_2O		
Source Well Flow (Pitot Tube)	P: in H_2O	DP: in H_2O	Temp.: °F	Source Flow:	168 cfm		
Effluent Flow	P: in H_2O	DP: in H_2O	Temp.: °F	Effluent Flow:	scfm		
LEL Reading	Set %		PV %				
VES Process Concentrations	Influent w/dil: ppm		Influent w/o dil: 328 ppm		Effluent 86 ppm		
Monitoring Device	MINIRAE		Calibration (type/date) 100 HEX 12-6-05				

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	100	62	329					
MW-5	100	62	417					
MW-3	100	62	436					
MW-2	—	—	—					
V-4 Low	—	—	—					
V-4 High	—	—	—					
MW-1	—	—	—					
V-1 Low	—	—	—					
V-1 High	—	—	—					
V-1 Mid	—	—	—					
V-3 Low	100	62	503					
V-3 High	100	62	216					

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution	Yes/No	Influent w/o Dilutio	Yes/No	Effluent:	Yes/No
STATUS DEPARTURE:	ON/OFF			Drums:	empty	full

Notes: List all activities, observations, recommendations

ADJUST COMBUSTION BLOWER AIR FLOW
COLLECT SYSTEM DATA

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.125584 (Various Location)

TECHNICIAN	Initials: Tony Mickelson	Date: 12-8-05		Weekday: Thurs		Time: 100	
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS:	19217.0	Alarms:	none		
UTILITIES	Gas Meter	7648	cfm / therm	Electrical Meter	74627		KWh

PARAGON SYSTEM OXIDIZER

Temperature	Process: 730 °F		Catalytic/Outlet: 728 °F				
Dilution Valve	Auto: closed %open		Manual: closed %open				
Blower	Amps: 25.2 A	Lubricate?	Yes/No	Change Oil?	Yes/No	Belts OK?	Yes/No
Process Flow	scfm		Manifold Vacuum.: 60 "H_2O				
Source Well Flow (Pitot Tube)	P: in H_2O	DP: in H_2O	Temp.: °F	Source Flow: 159 cfm			
Effluent Flow	P: in H_2O	DP: in H_2O	Temp.: °F	Effluent Flow: scfm			
LEL Reading	Set %		PV %				
VES Process Concentrations	Influent w/dil: ppm		Influent w/o dil: 311 ppm		Effluent 0 ppm		
Monitoring Device	Mini RAE		Calibration (type/date) Hexane 12-8 100ppm				

VAPOR EXTRACTION WELLS

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	100	60	284					
MW-5	100	60	455					
MW-3	100	60	402					
MW-2	closed	-	-					
V-4 Low	closed	-	-					
V-4 High	closed	-	-					
MW-1	closed	-	-					
V-1 Low	closed	-	-					
V-1 High	closed	-	-					
V-1 Mid	closed	-	-					
V-3 Low	100	60	511					
V-3 High	100	60	218					

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <300 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <20 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution	Yes/No	Influent w/o Dilutio	Yes/No	Effluent:	Yes/No	
STATUS DEPARTURE:	ON/OFF			Drums:	2	empty	full

Notes: List all activities, observations, recommendations

Took samples and shut system off

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.F58259

TECHNICIAN	Initials: TM	Date:	12-15-05	Weekday:	Thur	Time:	1207
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS:	19217.4	Alarms:	Restart		
UTILITIES	Gas Meter	7698	cfm / therm	Electrical Meter	74642		KWh

PARAGON SYSTEM OXIDIZER

Temperature	Process: 725 °F		Catalytic/Outlet: 721 °F				
Dilution Valve	Auto: Closed %open		Manual: Closed %open				
Blower	Amps: 24.7 A	Lubricate?	Yes/No	Change Oil?	Yes/No	Belts OK?	Yes/No
Process Flow	scfm		Manifold Vacuum.: 58 "H_2O				
Source Well Flow (Pitot Tube)	P: in H_2O	DP: in H_2O	Temp.: °F	Source Flow: 148 cfm			
Effluent Flow	P: in H_2O	DP: in H_2O	Temp.: °F	Effluent Flow: scfm			
LEL Reading	Set %		PV %				
VES Process Concentrations	Influent w/dil: ppm	Influent w/o dil: 325 ppm	Effluent 0 ppm				
Monitoring Device	MiniRAE		Calibration (type/date) Hexane 100ppm 12-15				

VAPOR EXTRACTION WELLS

Pid reading express as Hexane

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	100	57	211					
MW-5	100	57	416					
MW-3	100	57	344					
MW-2	Closed	-	-					
V-4 Low	Closed	-	-					
V-4 High	Closed	-	-					
MW-1	Closed	-	-					
V-1 Low	Closed	-	-					
V-1 High	Closed	-	-					
V-1 Mid	Closed	-	-					
V-3 Low	100	57	496					
V-3 High	100	57	192					

COMPLIANCE	
DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED	
VES Flow Rate <250 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <67 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution	Yes/No	Influent w/o Dilutic	Yes/No	Effluent:	Yes/No	
STATUS DEPARTURE:	ON/OFF			Drums:	2	empty	full

Notes: List all activities, observations, recommendations

Started systems took Reading

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069	Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.	Permit No.:	SCAQMD Permit No.F58259

TECHNICIAN	Initials: TM	Date:	12-22-05	Weekday:	Thurs	Time:	1150
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS:	19383.1	Alarms:	none		
UTILITIES	Gas Meter	7008	cfm / therm	Electrical Meter	75525		KWh

PARAGON SYSTEM OXIDIZER

Temperature	Process: 744 °F			Catalytic/Outlet: 733 °F			
Dilution Valve	Auto: Close			Manual: Close			%open
Blower	Amps: 26.4 A	Lubricate?	Yes/No	Change Oil?	Yes/No	Belts OK?	Yes/No
Process Flow	166 scfm			Manifold Vacuum.:	60		"H_2O
Source Well Flow (Pitot Tube)	P: — in H_2O	DP: — in H_2O	Temp.: — °F	Source Flow:	166		cfm
Effluent Flow	P: — in H_2O	DP: — in H_2O	Temp.: — °F	Effluent Flow:	—		scfm
LEL Reading	Set — %			PV —			%
VES Process Concentrations	Influent w/dil: Nodilution ppm	Influent w/o dil: 311 ppm		Effluent 0 ppm			
Monitoring Device	Mini RAE			Calibration (type/date) Hexane 100ppm 12-22			

VAPOR EXTRACTION WELLS

Pid reading express as Hexane

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	open	60	354					
MW-5	open	60	487					
MW-3	open	60	308					
MW-2	Closed	—	-					
V-4 Low	Closed	-	-					
V-4 High	closed	-	-					
MW-1	Closed	-	-					
V-1 Low	Closed	-	-					
V-1 High	closed	-	-					
V-1 Mid	Closed	-	-					
V-3 Low	open	60	427					
V-3 High	open	60	240					

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <250 SCFM?	Yes/No
Outlet Temperature >1400 °F	Yes/No
VES Outlet Concentration <67 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution	Yes/No	Influent w/o Dilutic	Yes/No	Effluent:	Yes/No
STATUS DEPARTURE:	ON/OFF			Drums:	2 empty	full

Notes: List all activities, observations, recommendations

Took Readings and shut system off

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

SECOR International, Incorporated

Vapor Extraction/HVES Monitoring Log

SITE INFORMATION

CLIENT/SITE	Atlantic Richfield Company Station No. 0069			Unit:	Paragon Model # ET-250 Serial # 565
ADDRESS	9922 Figueroa St., Los Angeles, CA.			Permit No.:	SCAQMD Permit No.F58259
TECHNICIAN	Initials: EG.	Date: 12-29-05	Weekday: Thur	Time: 11:00	
ARRIVAL STATUS:	ON/OFF	OPERATING HOURS: 19383	Alarms: High temp/Restart		
UTILITIES	Gas Meter	cfm / therm	Electrical Meter	75540	KWh

PARAGON SYSTEM OXIDIZER

Temperature	Process: 742 °F		Catalytic/Outlet: 739 °F			
Dilution Valve	Auto: 50% %open		Manual: 2% %open			
Blower	Amps: 26.4 A	Lubricate? no Yes/No	Change Oil? no Yes/No	Belts OK? Yes/No		
Process Flow	195 scfm		Manifold Vacuum.: 60 "H_2O			
Source Well Flow (Pitot Tube)	P: — in H_2O	DP: in H_2O	Temp.: °F	Source Flow: 195 cfm		
Effluent Flow	P: in H_2O	DP: in H_2O	Temp.: °F	Effluent Flow: scfm		
LEL Reading	Set %		PV %			
VES Process Concentrations	Influent w/dil: — ppm	Influent w/o dil: 428 ppm	Effluent 7.0 ppm			
Monitoring Device	MINERAE		Calibration (type/date) Hexane 100 12-26-05			

VAPOR EXTRACTION WELLS Pid reading express as Hexane

Extraction Well Data

WELL NO.	Status O/C	Vacuum ("wc)	Conc. (ppmv)	Flow (scfm)				
VE-6	100	58	361					
MW-5	100	58	515					
MW-3	100	58	300					
MW-2								
V-4 Low								
V-4 High								
MW-1								
V-1 Low								
V-1 High								
V-1 Mid								
V-3 Low	100	58	520					
V-3 High	100	58	263					

COMPLIANCE

DO NOT OPERATE VES UNLESS CONDITIONS ARE SATISFIED

VES Flow Rate <250 SCFM?	Yes/No
Outlet Temperature ≥1400°F 700°	Yes/No
VES Outlet Concentration <67 PPMV?	Yes/No

MONTHLY CERTIFIED VAPOR SAMPLING

Tedlar Bag Samples	Influent w/ Dilution Yes/No	Influent w/o Dilutic Yes/No	Effluent: Yes/No		
STATUS DEPARTURE:	ON/OFF		Drums: 2 empty	full	

Notes: List all activities, observations, recommendations

System was off when I Arrived. Opened dilution (4") half turn ~~[illegible]~~ EG. Restarted System.

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

Appendix C
Waste Disposal Documents

NO. 27277

NON-HAZARDOUS WASTE DATA FORM 2

TO BE COMPLETED BY GENERATOR

NAME: BP West Coast Products LLC

GENERATING SITE: ARCO STATION # 0069

ADDRESS: P.O. Box 80249

9922 S. FIGUEROA AVENUE

CITY, STATE, ZIP: Rancho Santa Margarita, CA 92688

LOS ANGELES

PHONE NO. (949) 753-5820 SITE CONTACT: PROFILE NO.:

CONTAINERS: No. 1 GALLONS X172 Gallons WEIGHT:

TYPE: ☒ 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 # 117446		

PROPERTIES pH 7 ☐ SOLID ☒ 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 10/13/05

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

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: 10/13/05

PHONE NO. (714) 990-6855

TRUCK, UNIT, I.D. NO. X210 10/13/05

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

TSD FACILITY

NAME: DeMenno Kerdoon EPA I.D. NO.:

ADDRESS: 2000 N. Alameda Street DISPOSAL METHOD: ☐ LANDFILL ☒ RECYCLER

CITY, STATE, ZIP: Compton, CA 90222 Recycler

PHONE NO. 310-537-7100

Ponam Reypoo 10/14/05

TYPED OR PRINTED FULL NAME & SIGNATURE DATE

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

DISCREPANCY