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ATLANTIC RICHFIELD COMPANY QUARTERLY REPORT
Quarter 4, 2004 (January 15, 2005)

Station No:	5041	Address:	6801 Reseda Blvd.; Reseda, CA

Atlantic Richfield Company Environmental Engineer/Phone No.:	Mr. Ray Vose / (818) 957-1755
Consulting Co./Contact Person/Phone No.:	SECOR / Mr. Andrew Modugno, R.G. /805 230-1266 Ext. 237
SECOR Project No.:	37BP.U5041.02
Primary Agency/Regulatory ID No.:	CRWQCB/Los Angeles Region / Mr. Nhan Bao/ # 91335056
Other Agencies to Receive Copies:	N/A

WORK PERFORMED THIS QUARTER [Fourth - 2004]:

1. Conducted quarterly groundwater sampling and prepared Quarterly Status Report.

WORK PROPOSED NEXT QUARTER [First - 2005]:

1. Conduct quarterly groundwater sampling and prepare Quarterly Status Report.
2. Continue Passive Bioremediation as necessary.

Current Phase of Project:	Monitoring	(Assmnt, Remed. etc.)
Frequency of Sampling:	Quarterly	(Quarterly, etc.)
Frequency of Monitoring:	Quarterly	(Monthly, etc.)
Is Separate Phase Hydrocarbon Present:	No	(Yes/No)
Cumulative SPH Recovered to Date:	None	(gallons)
SPH Recovered this Quarter:	None	(gallons)
Bulk Soil Removed to Date:	Unknown	(cubic yards)
Bulk Soil Removed this Quarter:	None	(cubic yards)
Water Wells or Surface Waters w/i 2000': Radius & Their Respective Directions:	Well #3650D 2,435' West of Site	(Distance and Direction)
Current Remediation Techniques:	None	(SVES, SPH Removal, etc.)
Permits for Discharge:	N/A	(NPDES, POTW, etc.)
Approximate Depth to Groundwater	Range: 23.00 to 25.74	(Measured Feet)
Groundwater Gradient:	South	(Direction)
	0.007 feet/foot	(Magnitude)

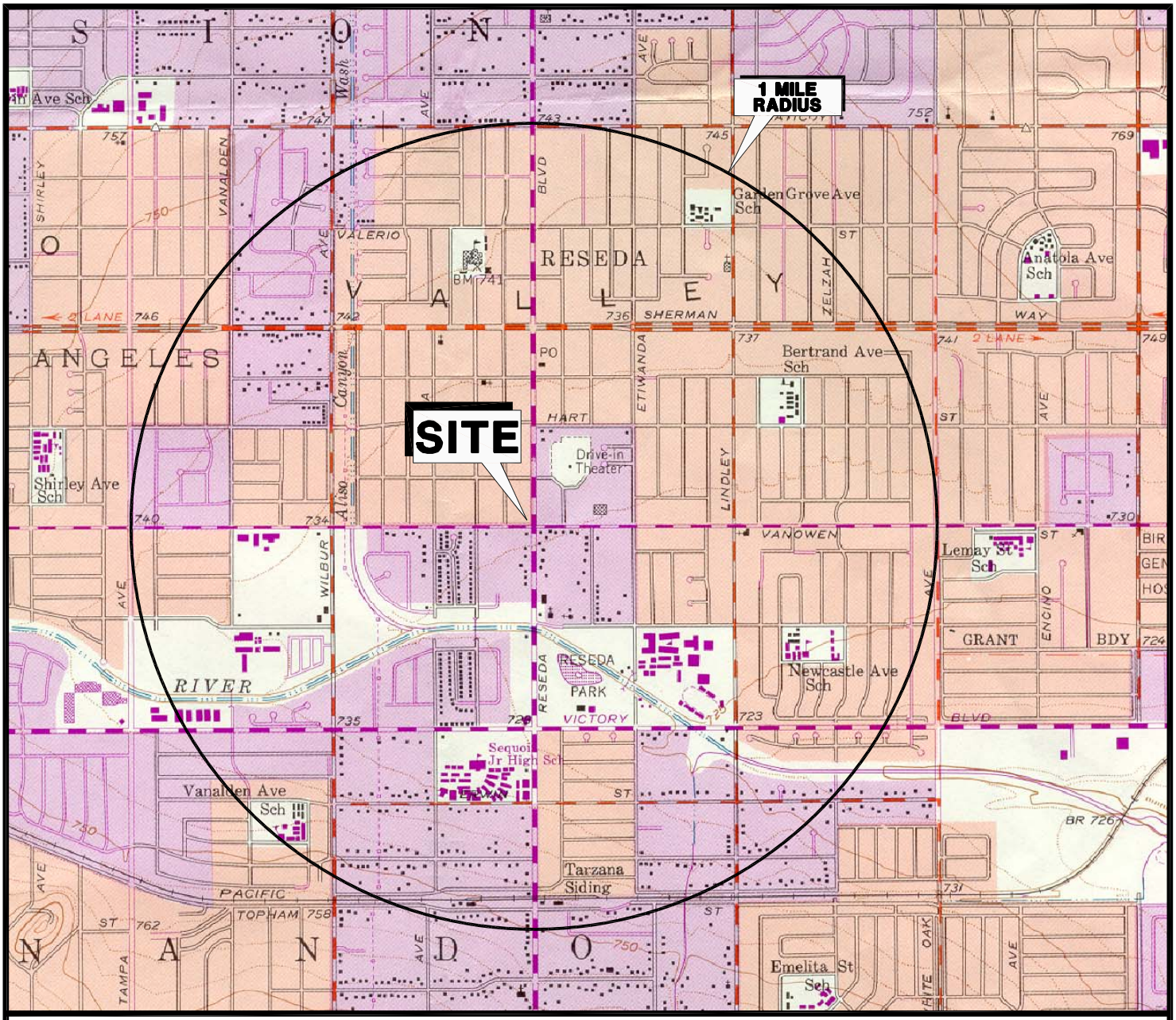
REGISTERED GEOLOGIST
ANDREW JAMES MODUGNO
No. 7036
Exp 8/31/05
STATE OF CALIFORNIA

Agency Directive Requirements: None

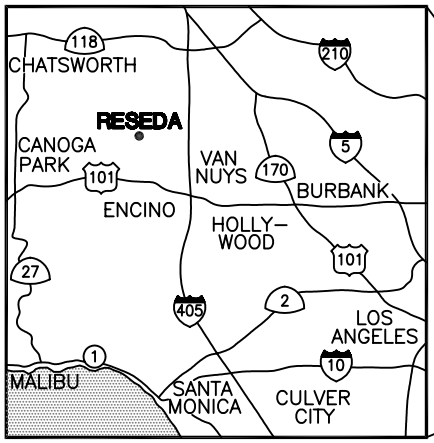
ATTACHED:

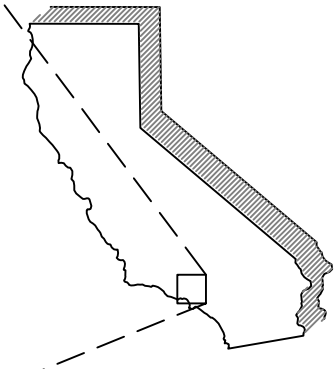
- Figure 1 - Site Location Map
- Figure 2 - Groundwater Contour and Hydrocarbon Concentration Map
- Figure 3 - Site Map Showing Remediation/Monitoring Well Locations
- Figure 4 - GRO Isoconcentration Map
- Figure 5 - Benzene Isoconcentration Map
- Figure 6 - MTBE Isoconcentration Map
- Figure 7 - TBA Isoconcentration Map
- Table 1 - Historical Groundwater Analytical and Elevation Results
- Appendix A - Laboratory Report and Chain of Custody
- Appendix B - Groundwater Sampling Data Sheets
- Appendix C - Waste Disposal Documents

FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, CANOGA PARK QUADRANGLE, 1952
PHOTOREVISED 1967





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PREPARED FOR:				FIGURE:
ATLANTIC RICHFIELD COMPANY STATION NO. 5041 6801 RESEDA BOULEVARD RESEDA, CALIFORNIA		SITE LOCATION MAP		1
JOB NUMBER: 37BP.U5041.05	DRAWN BY: RLE	CHECKED BY: L Moreno	APPROVED BY: Andrew Modugno	DATE: 08/06/04

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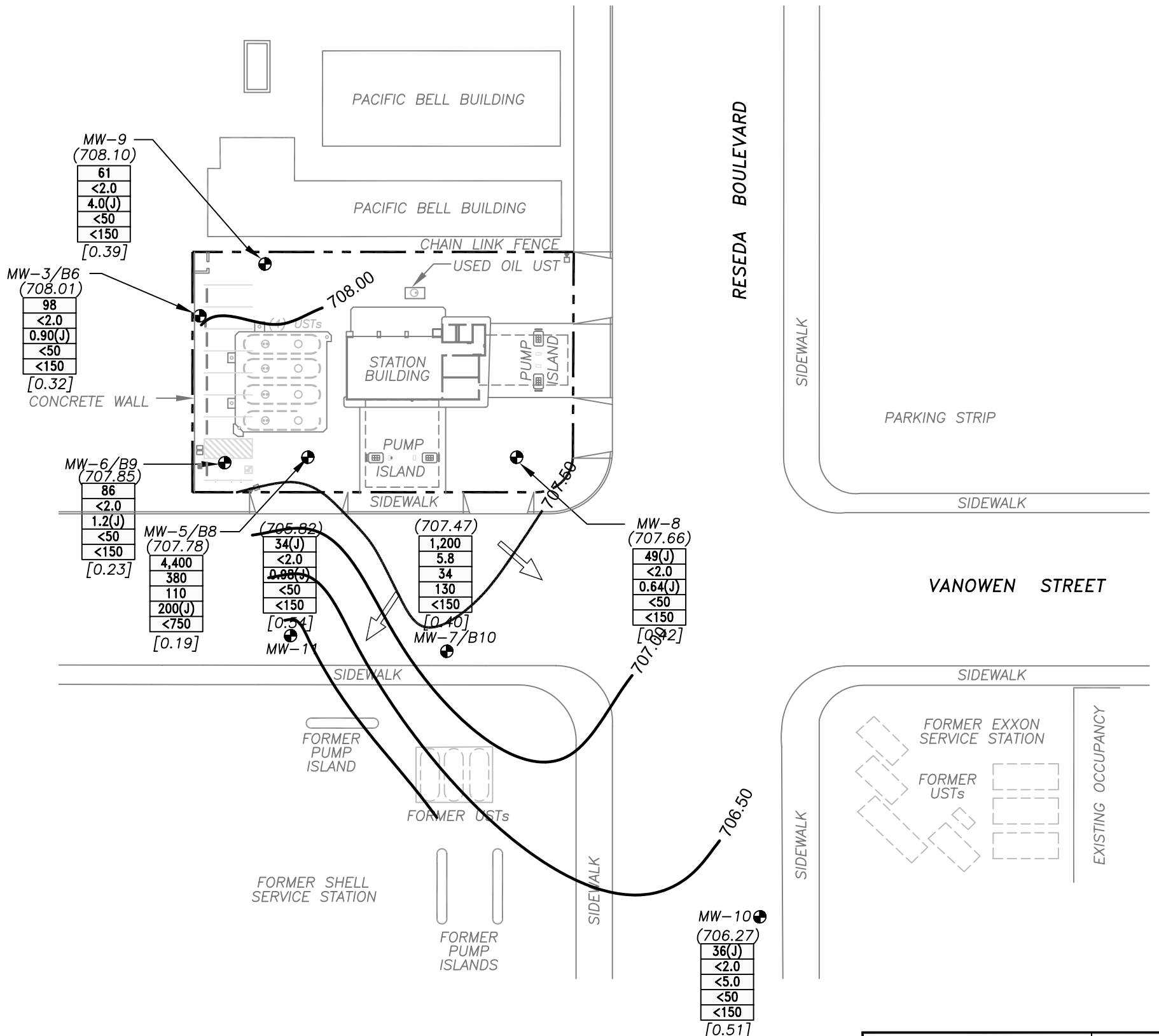

LEGEND

— — — —	SITE PROPERTY LINE
MW-11	GROUNDWATER MONITORING WELL LOCATIONS
(705.82)	GROUNDWATER ELEVATION (Feet above mean sea level)
	GROUNDWATER ELEVATION CONTOUR LINE
	GROUNDWATER FLOW DIRECTION
GRO, BENZ, MTBE, TBA, ETHANOL	GASOLINE RANGE ORGANICS (C4–C12), BENZENE, METHYL TERTIARY BUTYL ETHER, TERTIARY BUTANOL, AND ETHANOL PER LITER (μg/L)
[0.54]	DISSOLVED-OXYGEN CONCENTRATIONS IN GROUNDWATER
(J)	ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT

NOTES:

1. WELL LOCATIONS SURVEYED ON FEBRUARY 4, 2003 BY AZIMUTH GROUP SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON OCTOBER 7, 2004

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GROUNDWATER CONTOUR AND HYDROCARBON CONCENTRATION MAP

FIGURE: **2**

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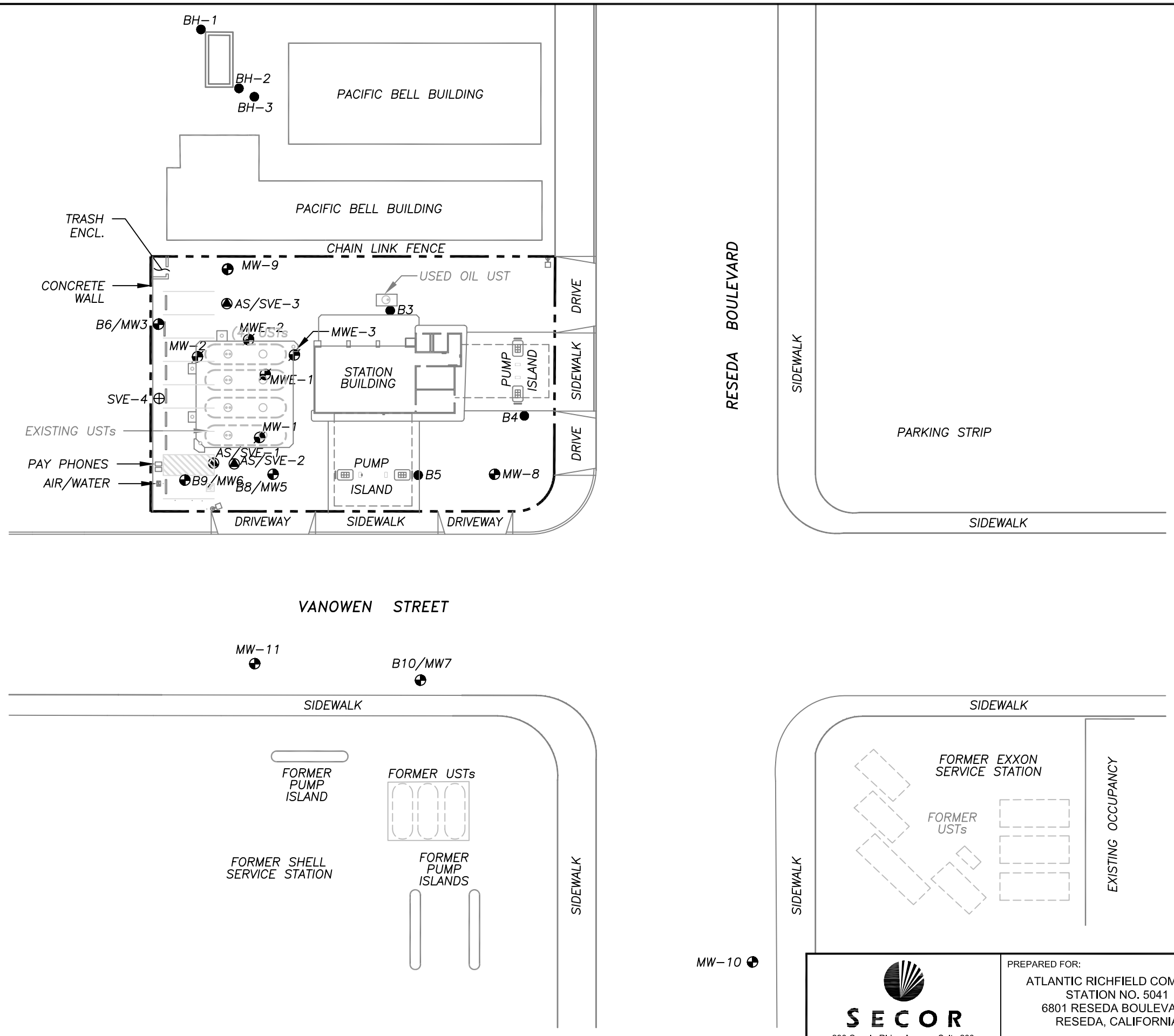
37BP.U5041.05	RLE	L. Moreno	Andrew Modugno	11/08/04



LEGEND

— — —	SITE PROPERTY LINE
MW-11	GROUNDWATER MONITORING WELL LOCATIONS
MWE-3	ABANDONED GROUNDWATER MONITORING WELL LOCATIONS
AS/SVE-4	AIR SPARGE/VAPOR EXTRACTION WELL LOCATIONS
SVE-4	VAPOR EXTRACTION WELL LOCATION
B5	SOIL BORING LOCATIONS

NOTES:

1. WELL LOCATIONS SURVEYED ON FEBRUARY 4, 2003 BY AZIMUTH GROUP SITE FEATURES AND LOCATIONS ARE APPROXIMATE.

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SITE MAP SHOWING REMEDIATION/MONITORING WELL LOCATIONS

FIGURE: **3**

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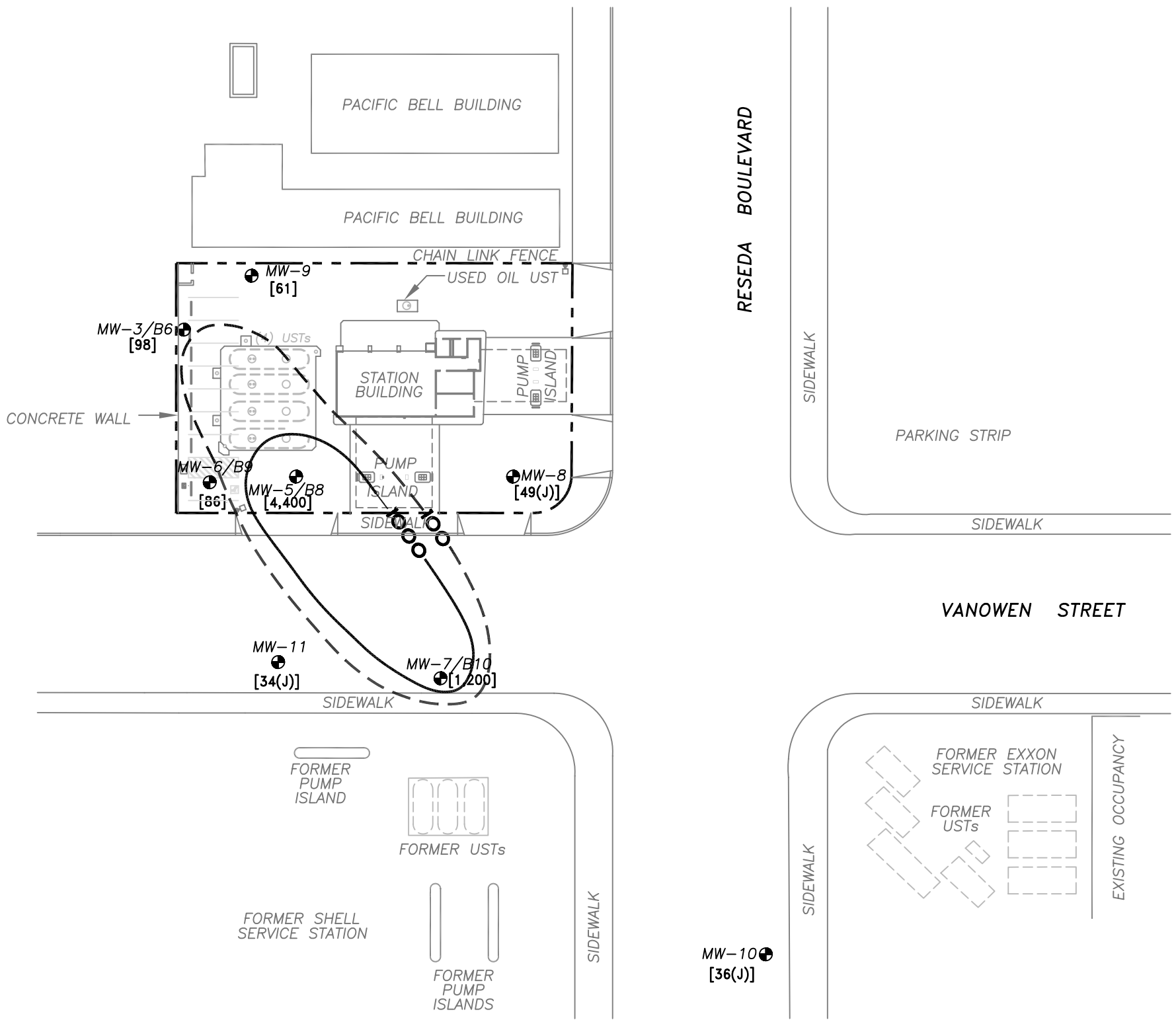

LEGEND

— — — —	SITE PROPERTY LINE
MW-11 ⊕	GROUNDWATER MONITORING WELL LOCATIONS
[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

NOTES:

1. WELL LOCATIONS SURVEYED ON FEBRUARY 4, 2003 BY AZIMUTH GROUP SITE FEATURES AND LOCATIONS ARE APPROXIMATE.
2. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON OCTOBER 7, 2004

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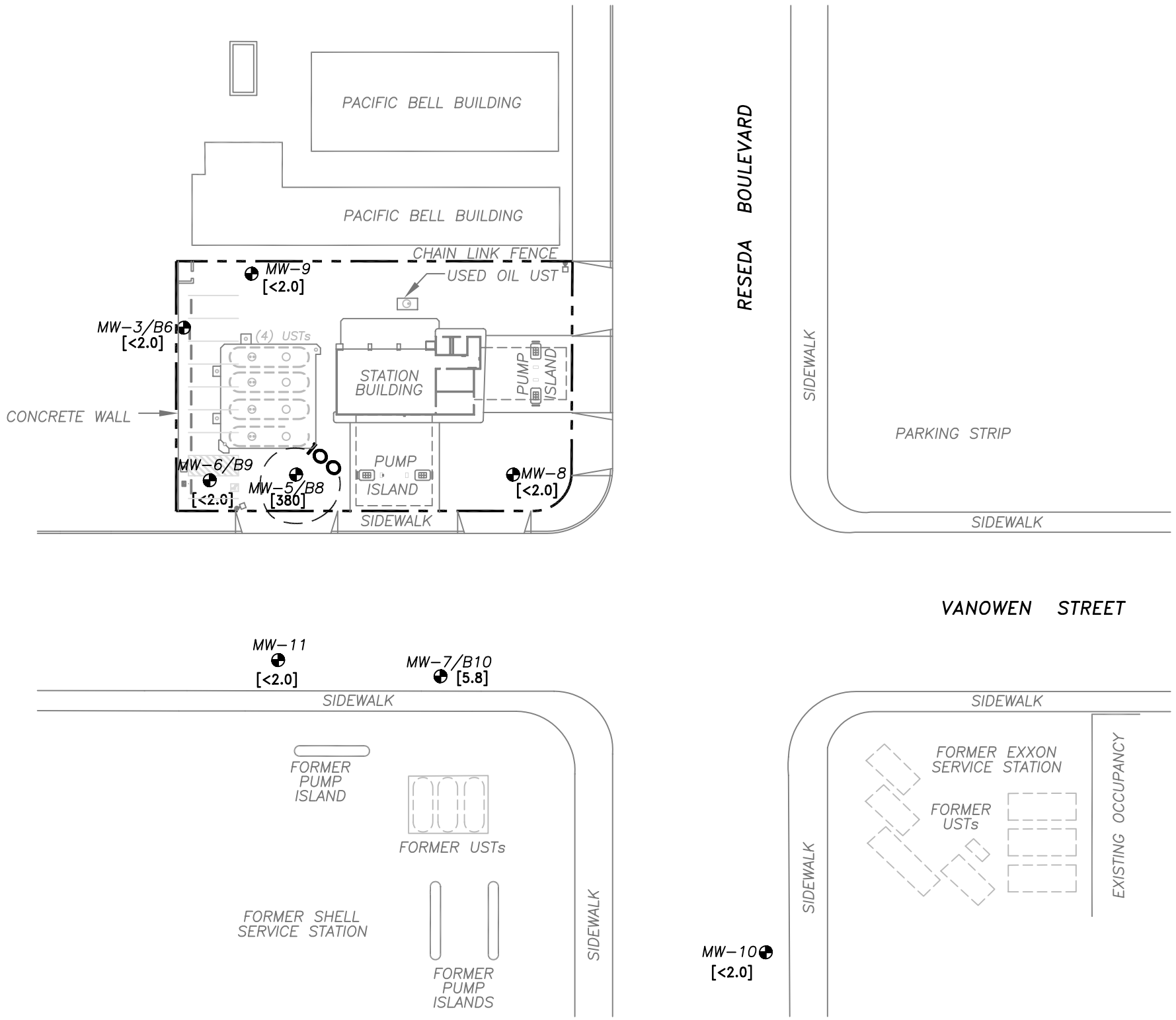
GRO ISOCONCENTRATION MAP

FIGURE: **4**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
37BP.U5041.05	RLE	L. Moreno	Andrew Modugno	11/08/04



LEGEND

— — — —	SITE PROPERTY LINE
MW-11 ⊕	GROUNDWATER MONITORING WELL LOCATIONS
[BENZ]	BENZENE CONCENTRATIONS IN MICROGRAMS PER LITER (μg/L)
∼	BENZENE ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)
(J)	ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT

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BENZENE ISOCONCENTRATION MAP

FIGURE: **5**

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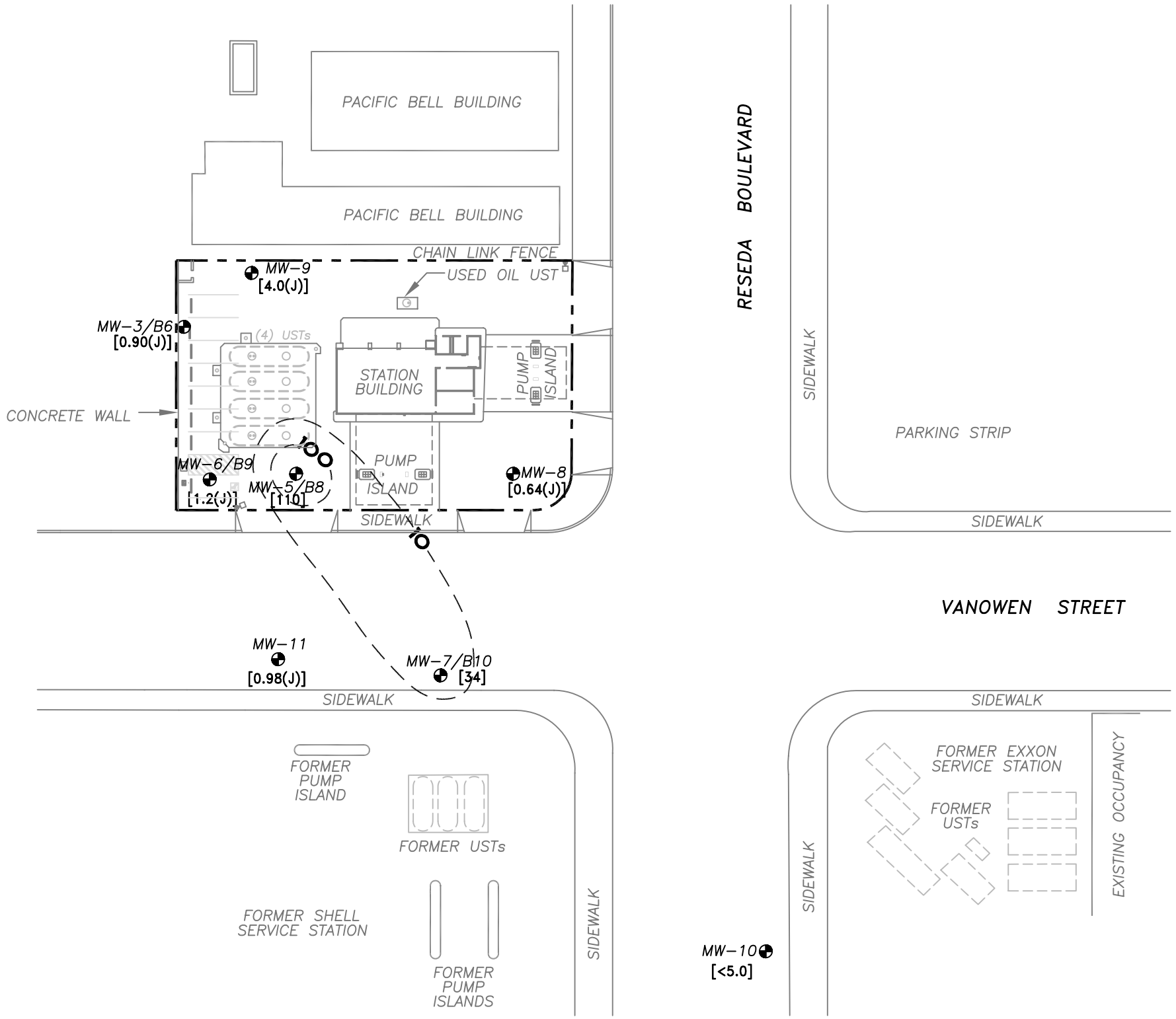

LEGEND

— — — —	SITE PROPERTY LINE
MW-11	GROUNDWATER MONITORING WELL LOCATIONS
[MTBE]	MTBE CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
~	MTBE ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)
(J)	ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT

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2. GROUNDWATER MONITORING WELLS GAUGED AND SAMPLED ON OCTOBER 7, 2004

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MTBE ISOCONCENTRATION MAP

FIGURE: **6**

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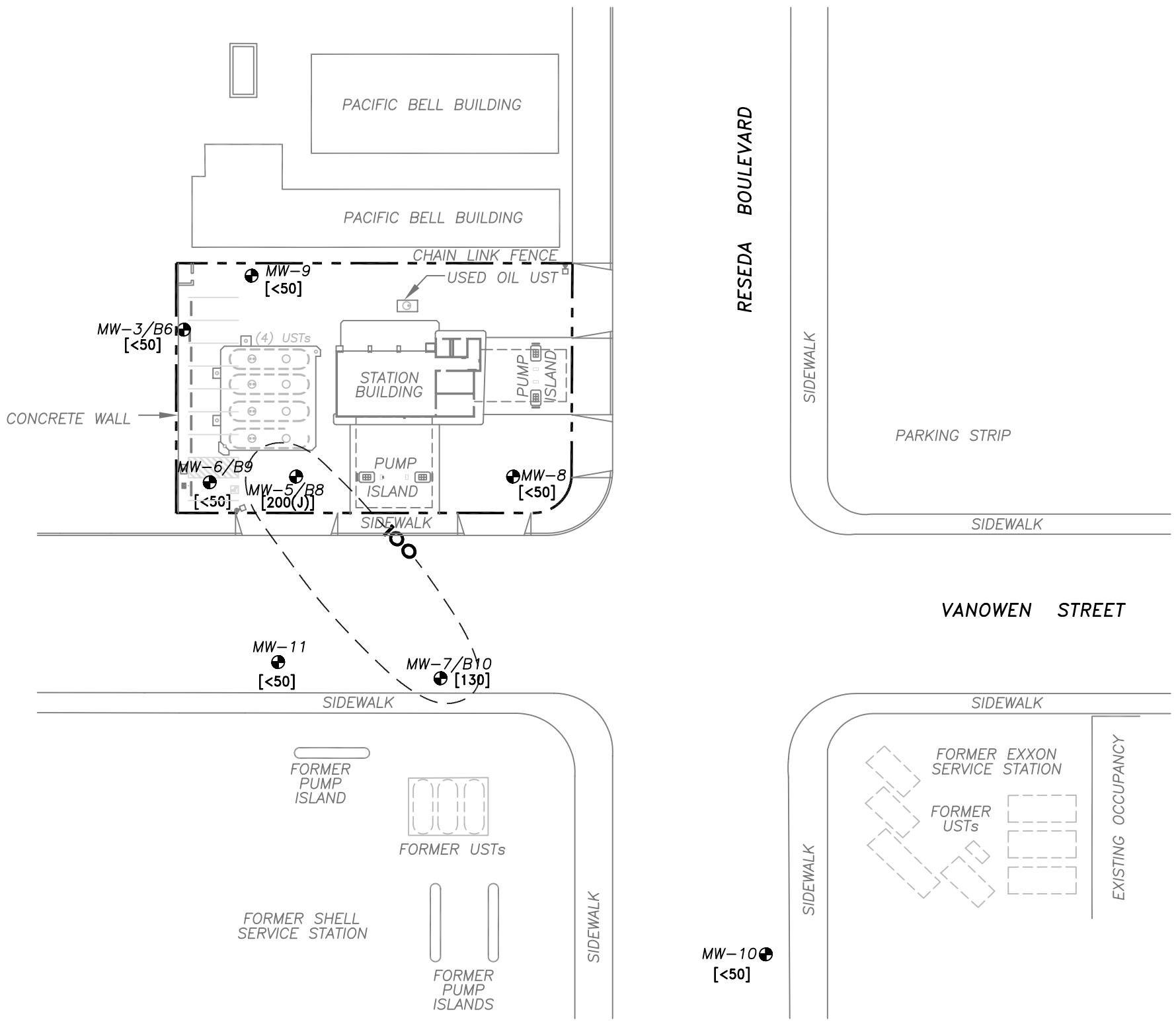

LEGEND

— — — —	SITE PROPERTY LINE
MW-11	GROUNDWATER MONITORING WELL LOCATIONS
[TBA]	TERTIARY BUTANOL CONCENTRATIONS IN MICROGRAMS PER LITER (µg/L)
	TBA ISOCONCENTRATION CONTOUR LINE (DASHED WHERE INFERRED)
(J)	ESTIMATED VALUE; BELOW LABORATORY REPORTING LIMIT AND ABOVE THE METHOD DETECTION LIMIT

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TBA ISOCONCENTRATION MAP

FIGURE: **7**

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37BP.U5041.05	RLE	L. Moreno	Andrew Modugno	11/08/04

TABLES

TABLE 1
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 5041
6801 Reseda Boulevard, Reseda, 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	10/28/92		732.65	22.04	0.00	710.61	2,200	10	0.70	1.2	5.0	-	-	-	-	-	-	MW-3	
	01/27/93			21.24	0.00	711.41	3,000	82	5.9	4.4	9.4	-	-	-	-	-	-	MW-3	
	05/05/93			19.57	0.00	713.08	2.5	2.0	-	2.0	4.0	-	-	-	-	-	-	MW-3	
	08/10/93			21.40	0.00	711.25	740	2.0	1.0	3.0	5.0	-	-	-	-	-	-	MW-3	
	12/08/93			22.06	0.00	710.59	510	1.8	2.4	1.6	4.2	-	-	-	-	-	-	MW-3	
	02/10/94			22.09	0.00	710.56	570	1.4	-	-	-	-	-	-	-	-	-	MW-3	
	04/28/94			22.02	0.00	710.63	400	-	-	-	-	-	-	-	-	-	-	MW-3	
	07/28/94			22.58	0.00	710.07	640	2.2	0.51	0.87	0.80	-	-	-	-	-	-	MW-3	
	10/24/94			22.54	0.00	710.11	91	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-3	
	03/24/95			20.01	0.00	712.64	930	4.1	0.90	1.4	2.6	-	-	-	-	-	-	MW-3	
	06/01/95			20.03	0.00	712.62	410	<0.50	<0.50	0.96	1.6	-	-	-	-	-	-	MW-3	
	08/30/95			21.56	0.00	711.09	120	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	MW-3	
	10/30/95			22.19	0.00	710.46	82	<0.5	0.60	<0.5	<1.5	-	-	-	-	-	-	MW-3	
	01/22/96			22.37	0.00	710.28	<50	<0.5	<0.5	<0.5	<1.0	-	-	-	-	-	-	MW-3	
	04/16/96			21.85	0.00	710.80	420	<0.5	<0.5	0.90	2.9	<10	-	-	-	-	-	MW-3	
	08/15/96			22.86	0.00	709.79	94	<0.5	<0.5	<0.5	<1.0	72	-	-	-	-	-	MW-3	
	11/04/96			23.38	0.00	709.27	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-3	
	03/25/97			22.16	0.00	710.49	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-3	
	06/10/97	NP		22.75	0.00	709.90	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-3pre	
	06/10/97			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-3post	
	08/12/97			23.32	0.00	709.33	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-3	
	12/23/97			23.26	0.00	709.39	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-3	
	03/05/98			19.82	0.00	712.83	280	<0.3	<0.3	0.61	<0.6	<10	-	-	-	-	-	MW-3	
	06/25/98			19.63	0.00	713.02	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-3	
	09/01/98			20.77	0.00	711.88	120	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-3	
	11/10/98			21.46	0.00	711.19	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-3	
	03/02/99			21.81	0.00	710.84	59	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-3	
	04/30/99			21.58	0.00	711.07	81	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-3	
	08/19/99			22.35	0.00	710.30	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-3	
	10/21/99			22.80	0.00	709.85	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-3	
	02/16/00			22.68	0.00	709.97	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-3	
	05/26/00			21.95	0.00	710.70	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-3	
	08/18/00			22.93	0.00	709.72	<50	<2.0	<2.0	<2.0	<4.0	2.4 J	<50	<5.0	<5.0	<5.0	-	MW-3	
	10/26/00			22.71	0.00	709.94	50	<0.30	<0.30	<0.30	<0.60	4.0 J	<50	<5.0	<5.0	<5.0	-	MW-3	
	02/06/01			22.55	0.00	710.10	11 J	<0.30	<0.30	<0.30	<0.60	2.7 J	<25	<5.0	<5.0	<5.0	-	MW-3	
	04/30/01			21.22	0.00	711.43	<100	<0.30	<0.30	<0.30	<0.60	<5.0	<50	<5.0	<5.0	<5.0	-	MW-3	
	08/08/01			22.16	0.00	710.49	36 J	<0.30	<0.30	0.11 J	<0.60	3.2 J	<50	<5.0	<5.0	<5.0	-	MW-3	
	11/15/01			23.06	0.00	709.59	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-3	
	02/14/02			23.10	0.00	709.55	<100	<5.0	<5.0	<5.0	<5.0	2.0 J	<25	<5.0	<5.0	<5.0	-	MW-3	
	05/03/02			23.37	0.00	709.28	40 J	<2.0	0.15 J	<2.0	<4.0	1.9 J	<50	<5.0	<5.0	<5.0	-	MW-3	

TABLE 1
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 5041
6801 Reseda Boulevard, Reseda, 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	07/12/02		732.65	23.73	0.00	708.92	89	0.40 J	<2.0	8.7	2.0 J	2.2 J	<50	<5.0	<5.0	<5.0	-	MW-3	
	12/06/02			24.26	0.00	708.39	44 J	<2.0	<2.0	<2.0	<4.0	3.1 J	<50	<5.0	<5.0	<5.0	-	MW-3	
	03/11/03		732.64	23.27	0.00	709.37	48 J	<2.0	<2.0	<2.0	<4.0	2.4 J	<50	<5.0	<5.0	<5.0	<150	MW-3	
	04/09/03			23.00	0.00	709.64	42 J	<2.0	<2.0	<2.0	<4.0	2.6 J	<50	<5.0	<5.0	<5.0	<150	MW-3	
	07/07/03			22.77	0.00	709.87	43 J	<2.0	<2.0	<2.0	<4.0	2.3 J	<50	<5.0	<5.0	<5.0	<150	MW-3	
	11/06/03			23.84	0.00	708.80	51	<2.0	<2.0	<2.0	<4.0	2.4 J	<50	<5.0	<5.0	<5.0	<150	MW-3	
	01/26/04			23.80	0.00	708.84	47 J	<2.0	<2.0	<2.0	<4.0	1.6 J	<50	<5.0	<5.0	<5.0	<150	MW-3	
	04/20/04			23.31	0.00	709.33	45 J	<2.0	<2.0	<2.0	<4.0	0.94 J	<50	<5.0	<5.0	<5.0	<150	MW-3	
	07/19/04			24.13	0.00	708.51	61	<2.0	<2.0	<2.0	<4.0	1.2 J	<50	<5.0	<5.0	<5.0	<150	MW-3	
	10/07/04			24.63	0.00	708.01	98	<2.0	<2.0	<2.0	<4.0	0.90 J	<50	<5.0	<5.0	<5.0	<150	MW-3	

TABLE 1
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 5041
6801 Reseda Boulevard, Reseda, 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	10/28/92	NS	731.99	22.65	0.00	709.34	-	-	-	-	-	-	-	-	-	-	-	-	
	01/27/93			20.91	0.00	711.08	5,900	880	530	120	890	-	-	-	-	-	-	MW-5	
	05/05/93			19.19	0.00	712.80	5.2	650	230	110	450	-	-	-	-	-	-	MW-5	
	08/10/93			20.70	0.00	711.29	47,000	5,600	3,200	1,300	4,500	-	-	-	-	-	-	MW-5	
	12/08/93			21.62	0.00	710.37	40,000	8,700	3,000	1,200	3,600	-	-	-	-	-	-	MW-5	
	02/10/94			21.66	0.00	710.33	34,000	5,200	2,200	800	3,300	-	-	-	-	-	-	MW-5	
	04/28/94			21.59	0.00	710.40	22,000	5,700	2,200	770	3,400	-	-	-	-	-	-	MW-5	
	07/28/94			22.15	0.00	709.84	87,000	12,000	6,500	2,300	11,000	-	-	-	-	-	-	MW-5	
	10/24/94			22.17	0.00	709.82	62,000	8,900	8,800	2,300	6,200	-	-	-	-	-	-	MW-5	
	03/08/95			19.54	0.00	712.45	66,000	9,800	5,600	2,100	9,700	-	-	-	-	-	-	MW-5	
	06/01/95			19.99	0.00	712.00	68,000	13,000	8,300	2,900	13,000	-	-	-	-	-	-	MW-5	
	08/30/95			21.14	0.00	710.85	8,400	1,700	860	360	1,600	-	-	-	-	-	-	MW-5	
	10/30/95			21.79	0.00	710.20	55,000	13,000	7,200	2,700	13,000	-	-	-	-	-	-	MW-5	
	01/22/96			21.90	0.00	710.09	34,000	4,400	2,500	1,400	5,500	-	-	-	-	-	-	MW-5	
	04/16/96			21.42	0.00	710.57	62,000	10,000	5,000	2,200	10,000	11,000	-	-	-	-	-	MW-5	
	08/15/96			22.45	0.00	709.54	36,000	7,900	3,000	2,100	9,300	3,300	-	-	-	-	-	MW-5	
	11/04/96			22.96	0.00	709.03	52,000	7,400	3,400	2,500	9,700	5,300	-	-	-	-	-	MW-5	
	03/25/97			21.74	0.00	710.25	16,000	1,800	670	550	2,300	1,300	-	-	-	-	-	MW-5	
	06/10/97	NP		22.33	0.00	709.66	87,000	10,000	2,800	2,400	12,000	5,800	-	-	-	-	-	MW-5pre	
	06/10/97			-	-	-	5,600	660	200	170	790	400	-	-	-	-	-	MW-5post	
	08/12/97			22.91	0.00	709.08	30,000	3,100	1,100	890	4,300	1,800	-	-	-	-	-	MW-5	
	12/23/97			22.81	0.00	709.18	2,800	3,200	3,700	970	4,600	1,500	-	-	-	-	-	MW-5	
	03/05/98			19.60	0.00	712.39	53,000	7,800	8,200	3,000	15,000	2,800	-	-	-	-	-	MW-5	
	06/25/98			19.23	0.00	712.76	23,000	3,600	2,500	1,300	6,300	2,700	-	-	-	-	-	MW-5	
	09/01/98			20.32	0.00	711.67	45,000	6,400	3,300	2,400	12,000	4,900	-	-	-	-	-	MW-5	
	11/10/98			21.03	0.00	710.96	57,000	6,900	2,800	2,500	12,000	6,000	-	-	-	-	-	MW-5	
	03/02/99			21.34	0.00	710.65	46,000	7,400	3,000	2,800	13,000	5,900	-	-	-	-	-	MW-5	
	04/30/99			21.18	0.00	710.81	57,000	8,100	3,100	3,000	14,000	4,900	-	-	-	-	-	MW-5	
	08/19/99			21.91	0.00	710.08	49,000	8,000	2,600	3,100	14,000	4,700	-	-	-	-	-	MW-5	
	10/21/99			22.36	0.00	709.63	68,000	6,900	2,500	2,800	13,000	5,700	-	-	-	-	-	MW-5	
	02/16/00			22.45	0.00	709.54	210	190	80	100	420	140	<500	<50	<50	<50	-	MW-5	
	05/26/00			21.55	0.00	710.44	3,200	510	140	240	1,100	410	<250	<25	<25	<25	-	MW-5	
	08/18/00			22.50	0.00	709.49	27,000	3,200	770	1,700	7,900	2,300	620	<25	<25	<25	-	MW-5	
	10/26/00			22.14	0.00	709.85	4,600	530	100	260	990	490	<500	<50	<50	<50	-	MW-5	
	02/06/01			22.16	0.00	709.83	1,700	200	44	110	410	45	<25	<5.0	<5.0	<5.0	-	MW-5	
	04/30/01			20.80	0.00	711.19	11,000	1,400	450	680	2,500	1,000	440	<20	<20	<20	-	MW-5	
	08/08/01			21.78	0.00	710.21	8,000	1,100	150	540	2,100	1,200	300	<5.0	<5.0	0.72 J	-	MW-5	
	11/15/01			22.65	0.00	709.34	5,700	740	110	500	1,700	1,000	250 J	<50	<50	<50	-	MW-5	
	02/14/02			22.71	0.00	709.28	6,000	750	110 J	460	1,600	400	210 J	<50	<50	<50	-	MW-5	
	05/03/02			22.94	0.00	709.05	3,500	430	39	310	750	270	330	<5.0	<5.0	<5.0	-	MW-5	

TABLE 1
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 5041
6801 Reseda Boulevard, Reseda, 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	07/12/02	SPH	731.99	23.33	Sheen	708.66	-	-	-	-	-	-	-	-	-	-	-	-	
	12/06/02			23.93	0.01	708.07	270,000	530	210	860	3,800	240	510	<50	<50	<50	-	MW-5	
	03/11/03	SPH	731.93	22.88	Sheen	709.05	-	-	-	-	-	-	-	-	-	-	-	-	
	04/09/03	SPH		22.50	Sheen	709.43	-	-	-	-	-	-	-	-	-	-	-	-	
	07/07/03			22.45	0.00	709.48	6,700	860	110	540	2,000	720	530	<50	<50	<50	<1,500	MW-5	
	11/06/03			23.47	0.00	708.46	3,100	530	54	400	1,200	230	370 J	<50	<50	<50	<1,500	MW-5	
	01/26/04			23.48	0.00	708.45	5,800	690	42	420	990	530	930	<50	<50	<50	<1,500	MW-5	
	04/20/04			22.93	0.00	709.00	2,100	270	11	190	320	220	440	<20	<20	<20	<600	MW-5	
	07/19/04			23.72	0.00	708.21	1,900	300	8.4	200	210	260	590	<12	<12	<12	<380	MW-5	
	10/07/04			24.15	0.00	707.78	4,400	380	30	320	800	110	200 J	<25	<25	<25	<750	MW-5	

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6801 Reseda Boulevard, Reseda, 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	10/28/92	NS	731.69	22.24	0.00	709.45	-	-	-	-	-	-	-	-	-	-	-	MW-6	
	01/27/93			20.49	0.00	711.20	3,600	370	150	130	370	-	-	-	-	-	-	MW-6	
	05/05/93			18.80	0.00	712.89	0.20	25	7.0	5.0	12	-	-	-	-	-	-	MW-6	
	08/10/93			20.55	0.00	711.14	10,000	2,000	780	630	1,100	-	-	-	-	-	-	MW-6	
	12/08/93			21.25	0.00	710.44	10,000	2,100	530	540	770	-	-	-	-	-	-	MW-6	
	02/10/94			21.30	0.00	710.39	11,000	2,500	570	560	820	-	-	-	-	-	-	MW-6	
	04/28/94			21.20	0.00	710.49	8,000	2,100	810	490	1,300	-	-	-	-	-	-	MW-6	
	07/28/94			21.78	0.00	709.91	6,600	750	260	280	500	-	-	-	-	-	-	MW-6	
	10/24/94			21.77	0.00	709.92	5,100	660	260	410	680	-	-	-	-	-	-	MW-6	
	03/08/95			21.04	0.00	710.65	7,100	760	220	470	780	-	-	-	-	-	-	MW-6	
	06/01/95			19.59	0.00	712.10	5,700	720	120	340	510	-	-	-	-	-	-	MW-6	
	06/01/95	DUP		-	-	-	5,900	860	140	390	580	-	-	-	-	-	-	MW-99	
	08/30/95			20.65	0.00	711.04	2,500	240	39	160	230	-	-	-	-	-	-	MW-6	
	08/30/95	DUP		-	-	-	2,500	280	46	180	250	-	-	-	-	-	-	MW-99	
	10/30/95	NS		21.49	0.06	710.25	-	-	-	-	-	-	-	-	-	-	-	MW-6	
	01/22/96		731.91	21.82	0.00	710.09	1,000	20	3.2	36	74	-	-	-	-	-	-	MW-6	
	01/22/96	DUP		-	-	-	980	26	3.5	42	81	-	-	-	-	-	-	MW-99	
	04/16/96			21.30	0.00	710.61	16,000	690	65	760	1,700	60	-	-	-	-	-	MW-6	
	08/15/96			22.32	0.00	709.59	120	9.7	1.0	8.1	7.4	<10	-	-	-	-	-	MW-6	
	08/15/96	DUP		-	-	-	160	5.6	1.1	5.0	5.8	<10	-	-	-	-	-	MW-99	
	11/04/96			22.85	0.00	709.06	130	13	<0.5	5.1	1.6	<10	-	-	-	-	-	MW-6	
	11/04/96	DUP		-	-	-	140	9.2	<0.5	3.2	1.4	<10	-	-	-	-	-	MW-99	
	03/25/97			21.62	0.00	710.29	1,900	170	12	110	110	18	-	-	-	-	-	MW-6	
	03/25/97	DUP		-	-	-	1,900	170	11	110	100	19	-	-	-	-	-	MW-99	
	06/10/97	NP		22.20	0.00	709.71	480	34	1.2	38	13	<10	-	-	-	-	-	MW-6pre	
	06/10/97			-	-	-	400	67	2.0	31	16	<10	-	-	-	-	-	MW-6post	
	08/12/97			22.78	0.00	709.13	110	8.0	0.80	2.1	1.7	<10	-	-	-	-	-	MW-6	
	08/12/97	DUP		-	-	-	140	13	0.60	4.1	2.4	<10	-	-	-	-	-	MW-99	
	12/23/97	NP		22.77	0.00	709.14	110	2.3	<0.3	7.7	<0.6	<10	-	-	-	-	-	MW-6pre	
	12/23/97			-	-	-	140	17	<0.3	6.2	2.0	<10	-	-	-	-	-	MW-6post	Turbidity=34
	03/05/98			19.35	0.00	712.56	1,500	130	8.9	250	160	<20	-	-	-	-	-	MW-6	
	06/25/98			19.12	0.00	712.79	2,500	94	9.3	280	240	13	-	-	-	-	-	MW-6	
	09/01/98			20.22	0.00	711.69	2,000	130	8.0	440	150	<100	-	-	-	-	-	MW-6	
	11/10/98			20.91	0.00	711.00	1,600	82	6.6	280	89	<50	-	-	-	-	-	MW-6	
	03/02/99			21.30	0.00	710.61	310	22	1.4	52	16	<20	-	-	-	-	-	MW-6	
	03/02/99	DUP		-	-	-	400	29	1.8	67	21	<20	-	-	-	-	-	MW-99	
	04/30/99			21.05	0.00	710.86	460	44	1.6	97	25	21	-	-	-	-	-	MW-6	
	08/19/99			21.79	0.00	710.12	270	32	1.2	52	19	<20	-	-	-	-	-	MW-6	
	10/21/99			22.24	0.00	709.67	72	8.2	0.35	16	5.6	<10	-	-	-	-	-	MW-6	
	02/16/00			22.30	0.00	709.61	<50	3.6	<2.0	3.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-6	

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6801 Reseda Boulevard, Reseda, 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	05/26/00		731.91	21.41	0.00	710.50	68	6.9	<2.0	11	3.3	6.7	<50	<5.0	<5.0	<5.0	-	MW-6	
	08/18/00			22.37	0.00	709.54	57	2.2	0.14 J	1.2 J	0.83 J	3.4 J	5.0 J	<5.0	<5.0	<5.0	-	MW-6	
	08/18/00	DUP		-	-	-	<50	2.2	0.11 J	1.1 J	<4.0	3.3 J	<50	<5.0	<5.0	<5.0	-	MW-99	
	10/26/00			22.11	0.00	709.80	64	6.1	1.1	2.9	11	3.5 J	<50	<2.5	<2.5	<2.5	-	MW-6	
	02/06/01			22.00	0.00	709.91	44 J	2.0	0.21 J	1.3	2.5	4.3 J	<25	<5.0	<5.0	<5.0	-	MW-6	
	04/30/01			20.65	0.00	711.26	<100	1.9	0.65	9.4	2.4	<5.0	<50	<5.0	<5.0	<5.0	-	MW-6	
	08/08/01			21.59	0.00	710.32	32 J	1.1	0.21 J	4.8	0.99	3.6 J	<50	<5.0	<5.0	<5.0	-	MW-6	
	11/15/01			22.46	0.00	709.45	<100	<5.0	<5.0	<5.0	<5.0	5.6	<50	<5.0	<5.0	<5.0	-	MW-6	
	02/14/02			22.55	0.00	709.36	<100	<5.0	<5.0	<5.0	<5.0	2.7 J	<25	<5.0	<5.0	<5.0	-	MW-6	
	05/03/02			22.78	0.00	709.13	37 J	0.15 J	0.17 J	<2.0	<4.0	2.5 J	<50	<5.0	<5.0	<5.0	-	MW-6	
	07/12/02			23.17	0.00	708.74	40 J	<2.0	<2.0	<2.0	0.19 J	1.7 J	<50	<5.0	<5.0	<5.0	-	MW-6	
	12/06/02			23.69	0.00	708.22	41 J	<2.0	<2.0	<2.0	<4.0	2.3 J	<50	<5.0	<5.0	<5.0	-	MW-6	
	03/11/03			22.71	0.00	709.20	37 J	<2.0	<2.0	<2.0	<4.0	2.9 J	<50	<5.0	<5.0	<5.0	<150	MW-6	
	04/09/03			22.44	0.00	709.47	38 J	<2.0	<2.0	<2.0	<4.0	3.5 J	<50	<5.0	<5.0	<5.0	<150	MW-6	
	07/07/03			22.20	0.00	709.71	41 J	0.34 J	<2.0	2.0	<4.0	2.6 J	<50	<5.0	<5.0	<5.0	<150	MW-6	
	11/06/03			23.27	0.00	708.64	56	<2.0	<2.0	<2.0	<4.0	2.6 J	<50	<5.0	<5.0	<5.0	<150	MW-6	
	01/26/04			23.25	0.00	708.66	43 J	<2.0	<2.0	<2.0	<4.0	2.3 J	<50	<5.0	<5.0	<5.0	<150	MW-6	
	04/20/04			22.78	0.00	709.13	35 J	<2.0	<2.0	<2.0	<4.0	2.2 J	<50	<5.0	<5.0	<5.0	<150	MW-6	
	07/19/04			23.54	0.00	708.37	57	<2.0	<2.0	<2.0	<4.0	1.6 J	<50	<5.0	<5.0	<5.0	<150	MW-6	
	10/07/04			24.06	0.00	707.85	86	<2.0	<2.0	<2.0	<4.0	1.2 J	<50	<5.0	<5.0	<5.0	<150	MW-6	

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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	10/28/92		730.49	21.39	0.00	709.10	19,000	2,500	3,200	660	2,400	-	-	-	-	-	-	MW-7	
	01/27/93			19.73	0.00	710.76	13,000	1,100	230	510	1,500	-	-	-	-	-	-	MW-7	
	05/05/93			17.98	0.00	712.51	31	3,400	570	1,100	2,400	-	-	-	-	-	-	MW-7	
	08/10/93			19.34	0.00	711.15	21,000	2,300	610	1,100	1,700	-	-	-	-	-	-	MW-7	
	12/08/93			20.39	0.00	710.10	14,000	1,700	210	840	650	-	-	-	-	-	-	MW-7	
	02/10/94			21.45	0.00	709.04	20,000	2,100	230	900	740	-	-	-	-	-	-	MW-7	
	04/28/94			20.08	0.00	710.41	18,000	980	110	630	430	-	-	-	-	-	-	MW-7	
	07/28/94			19.91	0.00	710.58	17,000	3,400	310	1,500	1,200	-	-	-	-	-	-	MW-7	
	10/24/94			19.94	0.00	710.55	19,000	180	220	750	880	-	-	-	-	-	-	MW-7	
	03/08/95	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	06/01/95	INA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	08/30/95			19.94	0.00	710.55	8,900	1,000	83	400	250	-	-	-	-	-	-	MW-7	
	10/30/95			20.54	0.00	709.95	10,000	2,000	200	770	910	-	-	-	-	-	-	MW-7	
	10/30/95	DUP		-	-	-	11,000	2,100	200	780	910	-	-	-	-	-	-	MW-99	
	01/22/96			20.75	0.00	709.74	22,000	2,500	390	1,200	1,500	-	-	-	-	-	-	MW-7	
	04/16/96			20.20	0.00	710.29	15,000	3,400	230	1,200	1,300	4,000	-	-	-	-	-	MW-7	
	08/15/96			21.21	0.00	709.28	9,200	1,400	140	850	900	2,200	-	-	-	-	-	MW-7	
	11/04/96			21.72	0.00	708.77	4,400	560	34	360	260	2,800	-	-	-	-	-	MW-7	
	03/25/97			20.53	0.00	709.96	9,700	950	61	620	550	3,200	-	-	-	-	-	MW-7	
	06/10/97	NP		21.11	0.00	709.38	41,000	5,200	250	2,200	2,200	7,200	-	-	-	-	-	MW-7pre	
	06/10/97			-	-	-	7,700	680	40	460	410	2,600	-	-	-	-	-	MW-7post	
	06/10/97	DUP		-	-	-	9,200	810	46	560	490	2,800	-	-	-	-	-	MW-99	
	08/12/97			21.66	0.00	708.83	9,600	710	53	510	510	3,300	-	-	-	-	-	MW-7	
	12/23/97			21.65	0.00	708.84	4,400	500	25	300	360	2,000	-	-	-	-	-	MW-7post	
	12/23/97	DUP		-	-	-	3,400	370	16	190	260	2,000	-	-	-	-	-	MW-99	
	03/05/98			19.46	0.00	711.03	10,000	1,200	67	870	970	2,600	-	-	-	-	-	MW-7	
	03/05/98	DUP		-	-	-	9,900	1,100	56	810	880	2,500	-	-	-	-	-	MW-99	
	06/25/98			19.07	0.00	711.42	9,200	1,100	45	500	670	1,800	-	-	-	-	-	MW-7	
	06/25/98	DUP		-	-	-	8,200	1,300	62	680	850	3,100	-	-	-	-	-	MW-99	
	09/01/98			19.11	0.00	711.38	9,700	1,600	56	840	840	4,400	-	-	-	-	-	MW-7	
	09/01/98	DUP		-	-	-	10,000	1,500	<30	760	630	3,700	-	-	-	-	-	MW-99	
	11/10/98			19.78	0.00	710.71	7,800	1,200	45	570	650	4,400	-	-	-	-	-	MW-7	
	11/10/98	DUP		-	-	-	8,400	1,300	49	600	780	4,700	-	-	-	-	-	MW-99	
	03/02/99			20.20	0.00	710.29	5,700	1,000	43	570	490	3,900	-	-	-	-	-	MW-7	
	04/30/99			20.00	0.00	710.49	11,000	1,800	75	810	870	4,100	-	-	-	-	-	MW-7	
	08/19/99			20.66	0.00	709.83	4,400	1,200	31	380	470	4,200	-	-	-	-	-	MW-7	
	10/21/99			21.12	0.00	709.37	1,900	390	11	150	160	3,400	-	-	-	-	-	MW-7	
	02/16/00			21.25	0.00	709.24	1,600	520	<40	180	210	3,200	<1,000	<100	<100	<100	-	MW-7	
	05/26/00			20.37	0.00	710.12	3,600	350	<25	280	300	2,000	<630	<63	<63	<63	-	MW-7	
	08/18/00			21.26	0.00	709.23	2,800	370	12	260	240	2,300	420	<25	<25	<25	-	MW-7	

TABLE 1
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 5041
6801 Reseda Boulevard, Reseda, 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	10/26/00		730.49	21.53	0.00	708.96	2,900	420	12	250	180	2,300	86 J	<63	<63	<63	-	MW-7	
	02/06/01			20.95	0.00	709.54	5,300	700	22	440	320	2,700	1,000	<25	<25	<25	-	MW-7	
	04/30/01			20.08	0.00	710.41	3,700	310	4.8	190	120	1,800	360	<25	<25	<25	-	MW-7	
	08/08/01			20.58	0.00	709.91	930	150	4.7	100	64	1,700	68	<5.0	<5.0	<5.0	-	MW-7	
	11/15/01			21.45	0.00	709.04	840	68	<10	33	47	2,000	350 J	<100	<100	<100	-	MW-7	
	02/14/02			21.47	0.00	709.02	1,900	59	<25	75	100	990	250 J	<100	<100	<100	-	MW-7	
	05/03/02			21.74	0.00	708.75	1,800	150	2.0 J	81	69	1,600	240	<20	<20	<20	-	MW-7	
	07/12/02			22.15	0.00	708.34	700	52	0.50 J	32	26	740	380	<10	<10	<10	-	MW-7	
	12/06/02			22.63	0.00	707.86	1,900	51	1.1 J	98	96	140	440	<5.0	<5.0	<5.0	-	MW-7	
	03/11/03		730.47	21.60	0.00	708.87	680	46	0.63 J	40	21	96	320	<5.0	<5.0	<5.0	<150	MW-7	
	04/09/03			21.33	0.00	709.14	690	55	1.0 J	64	45	98	270	<5.0	<5.0	<5.0	<150	MW-7	
	07/07/03			21.12	0.00	709.35	480	82	0.88 J	83	49	140	440	<5.0	<5.0	<5.0	<150	MW-7	
	11/06/03			22.22	0.00	708.25	610	42	<4.0	50	9.1	66	630	<10	<10	<10	<300	MW-7	
	01/26/04			22.08	0.00	708.39	590	15	<2.0	58	11	63	410	<5.0	<5.0	<5.0	<150	MW-7	
	04/20/04			21.67	0.00	708.80	810	11	<2.0	56	10	37	280	<5.0	<5.0	<5.0	<150	MW-7	
	07/19/04			22.49	0.00	707.98	1,400	5.5	<2.0	46	2.9 J	26	160	<5.0	<5.0	<5.0	<150	MW-7	
	10/07/04			23.00	0.00	707.47	1,200	5.8	<2.0	21	0.83 J	34	130	<5.0	<5.0	<5.0	<150	MW-7	

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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	03/24/95		731.73	19.50	0.00	712.23	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-8	
	06/01/95			19.73	0.00	712.00	<50	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	MW-8	
	08/30/95			20.91	0.00	710.82	<50	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	MW-8	
	10/30/95			21.50	0.00	710.23	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	MW-8	
	01/22/96			21.73	0.00	710.00	<50	<0.5	<0.5	<0.5	<1.0	-	-	-	-	-	-	MW-8	
	04/16/96			21.22	0.00	710.51	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-8	
	08/15/96			22.21	0.00	709.52	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-8	
	11/04/96			22.75	0.00	708.98	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-8	
	03/25/97			21.54	0.00	710.19	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-8	
	06/10/97	NP		22.12	0.00	709.61	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-8pre	
	06/10/97			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-8post	
	08/12/97			22.71	0.00	709.02	140	0.80	3.5	5.0	12	<10	-	-	-	-	-	MW-8	
	12/23/97	NP		22.68	0.00	709.05	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-8pre	
	12/23/97			-	-	-	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-8post	Turbidity=18
	03/05/98			19.46	0.00	712.27	<50	0.34	1.5	1.2	6.5	<10	-	-	-	-	-	MW-8	
	06/25/98			19.00	0.00	712.73	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	09/01/98			20.05	0.00	711.68	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-8	
	11/10/98			20.76	0.00	710.97	<50	<0.30	<0.30	<0.30	<0.60	13	-	-	-	-	-	MW-8	
	03/02/99			21.57	0.00	710.16	<50	0.35	<0.30	<0.30	<0.60	51	-	-	-	-	-	MW-8	
	04/30/99			20.95	0.00	710.78	<50	<0.30	<0.30	<0.30	<0.60	31	-	-	-	-	-	MW-8	
	04/30/99	DUP		-	-	-	<50	<0.30	<0.30	<0.30	<0.60	31	-	-	-	-	-	MW-99	
	08/19/99			21.68	0.00	710.05	<50	<0.30	<0.30	<0.30	<0.60	11	-	-	-	-	-	MW-8	
	08/19/99	DUP		-	-	-	<50	<0.30	<0.30	<0.30	<0.60	12	-	-	-	-	-	MW-99	
	10/21/99			22.11	0.00	709.62	<50	<0.30	<0.30	<0.30	<0.60	14	-	-	-	-	-	MW-8	
	10/21/99	DUP		-	-	-	<50	<0.30	<0.30	<0.30	<0.60	16	-	-	-	-	-	MW-99	
	02/16/00			22.23	0.00	709.50	<50	<2.0	<2.0	<2.0	<4.0	14	<50	<5.0	<5.0	<5.0	-	MW-8	
	02/16/00	DUP		-	-	-	<50	<2.0	<2.0	<2.0	<4.0	10	<50	<5.0	<5.0	<5.0	-	MW-99	
	05/26/00			21.36	0.00	710.37	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-8	
	05/26/00	DUP		-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-99	
	08/18/00			22.26	0.00	709.47	<50	<2.0	<2.0	<2.0	<4.0	1.5 J	<50	<5.0	<5.0	<5.0	-	MW-8	
	10/26/00			22.04	0.00	709.69	78	5.3	0.21 J	3.2	2.5	0.91 J	<50	<5.0	<5.0	<5.0	-	MW-8	
	10/26/00	DUP		-	-	-	<50	<0.30	<0.30	<0.30	<0.60	0.70 J	<50	<5.0	<5.0	<5.0	-	MW-99	
	02/06/01			20.91	0.00	710.82	330	3.9	<0.30	2.3	2.4	3.8 J	<25	<5.0	<5.0	<5.0	-	MW-8	
	02/06/01	DUP		-	-	-	19 J	<0.30	<0.30	<0.30	<0.60	5.1	<25	<5.0	<5.0	<5.0	-	MW-99	
	04/30/01			20.63	0.00	711.10	<100	0.49	<0.30	<0.30	0.80	<5.0	<50	<5.0	<5.0	<5.0	-	MW-8	
	04/30/01	DUP		-	-	-	<100	<0.30	1.2	0.30	1.5	<5.0	<50	<5.0	<5.0	<5.0	-	MW-99	
	08/08/01			21.55	0.00	710.18	<50	<0.30	<0.30	<0.30	<0.60	0.59 J	<50	<5.0	<5.0	<5.0	-	MW-8	
	08/08/01	DUP		-	-	-	<50	<0.30	<0.30	<0.30	<0.60	0.58 J	<50	<5.0	<5.0	<5.0	-	MW-99	
	11/15/01			22.40	0.00	709.33	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-8	
	11/15/01	DUP		-	-	-	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-99	

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MW-8	02/14/02		731.73	22.52	0.00	709.21	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	-	MW-8	
	02/14/02	DUP		-	-	-	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	-	MW-99	
	05/03/02			22.75	0.00	708.98	25 J	<2.0	0.16 J	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-8	
	05/03/02	DUP		-	-	-	24 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-99	
	07/12/02			23.10	0.00	708.63	34 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-8	
	07/12/02	DUP		-	-	-	25 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-99	
	12/06/02			23.67	0.00	708.06	33 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-8	
	12/06/02	DUP		-	-	-	36 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-99	
	03/11/03		731.68	22.73	0.00	708.95	46 J	<2.0	<2.0	<2.0	<4.0	0.38 J	<50	<5.0	<5.0	<5.0	<150	MW-8	
	03/11/03	DUP		-	-	-	32 J	<2.0	<2.0	<2.0	<4.0	0.39 J	<50	<5.0	<5.0	<5.0	<150	MW-99	
	04/09/03			22.40	0.00	709.28	31 J	<2.0	<2.0	<2.0	<4.0	0.43 J	<50	<5.0	<5.0	<5.0	<150	MW-8	
	04/09/03	DUP		-	-	-	26 J	<2.0	<2.0	<2.0	<4.0	0.43 J	<50	<5.0	<5.0	<5.0	<150	MW-99	
	07/07/03			22.18	0.00	709.50	33 J	<2.0	<2.0	0.50 J	1.7 J	0.42 J	<50	<5.0	<5.0	<5.0	<150	MW-8	
	07/07/03	DUP		-	-	-	31 J	<2.0	<2.0	<2.0	<4.0	0.45 J	<50	<5.0	<5.0	<5.0	<150	MW-99	
	11/06/03			23.30	0.00	708.38	45 J	<2.0	<2.0	0.30 J	0.73 J	0.34 J	<50	<5.0	<5.0	<5.0	<150	MW-8	
	01/26/04			23.28	0.00	708.40	63	0.33 J	<2.0	0.75 J	1.9 J	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-8	
	01/26/04	DUP		-	-	-	39 J	<2.0	<2.0	0.30 J	1.0 J	<5.0	<50	<5.0	<5.0	<5.0	<150	Dup-5041-20040126	
	04/20/04			22.78	0.00	708.90	49 J	<2.0	<2.0	<2.0	<4.0	0.43 J	<50	<5.0	<5.0	<5.0	<150	MW-8	
	04/20/04	DUP		-	-	-	45 J	<2.0	<2.0	<2.0	<4.0	0.39 J	<50	<5.0	<5.0	<5.0	<150	Dup-5041-20040420	
	07/19/04			23.52	0.00	708.16	54	<2.0	<2.0	<2.0	<4.0	0.38 J	<50	<5.0	<5.0	<5.0	<150	MW-8	
	07/19/04	DUP		-	-	-	53	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	Dup-5041-20040719	
	10/07/04			24.02	0.00	707.66	44 J	<2.0	<2.0	<2.0	<4.0	0.64 J	<50	<5.0	<5.0	<5.0	<150	MW-8	
	10/07/04	DUP		-	-	-	49 J	<2.0	<2.0	<2.0	<4.0	0.59 J	<50	<5.0	<5.0	<5.0	<150	DUP-5041-20041007	

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MW-9	03/08/95		732.84	21.04	0.00	711.80	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-9	
	06/01/95			20.55	0.00	712.29	<50	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	MW-9	
	08/30/95			21.73	0.00	711.11	<50	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	MW-9	
	10/30/95			22.33	0.00	710.51	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	MW-9	
	01/22/96			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	-	-	-	-	-	-	MW-9	
	02/22/96	NS		22.55	0.00	710.29	-	-	-	-	-	-	-	-	-	-	-	-	
	04/16/96			22.00	0.00	710.84	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-9	
	08/15/96			23.50	0.00	709.34	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-9	
	11/04/96			23.58	0.00	709.26	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-9	
	03/25/97			22.33	0.00	710.51	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-9	
	06/10/97	NP		22.94	0.00	709.90	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-9pre	
	06/10/97			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-9post	
	08/12/97			23.51	0.00	709.33	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-9	
	12/23/97	NP		23.46	0.00	709.38	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-9pre	
	12/23/97			-	-	-	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-9post	Turbidity=20
	03/05/98			20.04	0.00	712.80	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-9	
	06/25/98			19.80	0.00	713.04	98	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-9	
	09/01/98			20.91	0.00	711.93	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-9	
	11/10/98			21.63	0.00	711.21	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-9	
	03/02/99			22.04	0.00	710.80	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-9	
	04/30/99			21.75	0.00	711.09	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-9	
	08/19/99			22.53	0.00	710.31	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-9	
	10/21/99			22.97	0.00	709.87	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-9	
	02/16/00			23.05	0.00	709.79	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-9	
	05/26/00			22.15	0.00	710.69	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-9	
	08/18/00			23.11	0.00	709.73	<50	<2.0	<2.0	<2.0	<4.0	2.8 J	<50	<5.0	<5.0	<5.0	-	MW-9	
	10/26/00			23.64	0.00	709.20	<50	0.33	<0.30	0.30	<0.60	2.4 J	<50	<5.0	<5.0	<5.0	-	MW-9	
	02/06/01			22.72	0.00	710.12	49 J	0.20 J	<0.30	<0.30	<0.60	4.0 J	<25	<5.0	<5.0	<5.0	-	MW-9	
	04/30/01			21.40	0.00	711.44	<100	<0.30	<0.30	<0.30	<0.60	<5.0	<50	<5.0	<5.0	<5.0	-	MW-9	
	08/08/01			22.34	0.00	710.50	26 J	<0.30	<0.30	<0.30	<0.60	4.8 J	<50	<5.0	<5.0	<5.0	-	MW-9	
	11/15/01			23.24	0.00	709.60	<100	<5.0	<5.0	<5.0	<5.0	2.5 J	<50	<5.0	<5.0	<5.0	-	MW-9	
	02/14/02			23.30	0.00	709.54	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	-	MW-9	
	05/03/02			23.81	0.00	709.03	40 J	<2.0	0.23 J	<2.0	<4.0	3.2 J	<50	<5.0	<5.0	<5.0	-	MW-9	
	07/12/02			23.94	0.00	708.90	86	<2.0	<2.0	<2.0	<4.0	2.2 J	<50	<5.0	<5.0	<5.0	-	MW-9	
	12/06/02			24.46	0.00	708.38	45 J	<2.0	<2.0	<2.0	<4.0	3.3 J	<50	<5.0	<5.0	<5.0	-	MW-9	
	03/11/03		732.91	23.44	0.00	709.47	46 J	<2.0	<2.0	<2.0	<4.0	4.8 J	<50	<5.0	<5.0	<5.0	<150	MW-9	
	04/09/03			23.15	0.00	709.76	39 J	<2.0	<2.0	<2.0	<4.0	4.8 J	<50	<5.0	<5.0	<5.0	<150	MW-9	
	07/07/03			22.98	0.00	709.93	41 J	<2.0	<2.0	<2.0	<4.0	2.5 J	<50	<5.0	<5.0	<5.0	<150	MW-9	
	11/06/03			24.03	0.00	708.88	54	1.7 J	<2.0	<2.0	<4.0	5.3	<50	<5.0	<5.0	<5.0	<150	MW-9	
	11/06/03	DUP		-	-	-	54	<2.0	<2.0	<2.0	<4.0	5.6	<50	<5.0	<5.0	<5.0	<150	Dup-5041-20031106	

TABLE 1
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 5041
6801 Reseda Boulevard, Reseda, 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-9	01/26/04		732.91	24.01	0.00	708.90	48 J	<2.0	<2.0	<2.0	<4.0	2.1 J	<50	<5.0	<5.0	<5.0	<150	MW-9	
	04/20/04			23.57	0.00	709.34	63	<2.0	<2.0	<2.0	<4.0	5.6	<50	<5.0	<5.0	<5.0	<150	MW-9	
	07/19/04			24.32	0.00	708.59	73	<2.0	<2.0	<2.0	<4.0	4.3 J	<50	<5.0	<5.0	<5.0	<150	MW-9	
	10/07/04			24.81	0.00	708.10	61	<2.0	<2.0	<2.0	<4.0	4.0 J	<50	<5.0	<5.0	<5.0	<150	MW-9	

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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-10	03/24/95		730.40	19.10	0.00	711.30	<50	<0.30	<0.30	<0.30	<0.60	-	-	-	-	-	-	MW-10	
	06/01/95			19.27	0.00	711.13	<50	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	MW-10	
	08/30/95			20.36	0.00	710.04	<50	<0.50	<0.50	0.69	<1.0	-	-	-	-	-	-	MW-10	
	10/30/95			20.94	0.00	709.46	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	MW-10	
	01/22/96			21.20	0.00	709.20	<50	<0.5	<0.5	<0.5	<1.0	-	-	-	-	-	-	MW-10	
	04/16/96			26.69	0.00	703.71	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-10	
	08/15/96			21.61	0.00	708.79	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-10	
	11/04/96			22.11	0.00	708.29	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-10	
	03/25/97			20.94	0.00	709.46	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-10	
	06/10/97	NP		21.53	0.00	708.87	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-10pre	
	06/10/97			-	-	-	<50	1.6	<0.5	<0.5	1.2	<10	-	-	-	-	-	MW-10post	
	08/12/97			22.06	0.00	708.34	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-10	
	12/23/97			22.07	0.00	708.33	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-10	
	03/05/98			19.12	0.00	711.28	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-10	
	06/25/98			18.55	0.00	711.85	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-10	
	09/01/98			19.67	0.00	710.73	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-10	
	11/10/98			20.23	0.00	710.17	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-10	
	03/02/99			20.63	0.00	709.77	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-10	
	04/30/99			20.45	0.00	709.95	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-10	
	08/19/99			21.08	0.00	709.32	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-10	
	10/21/99			21.50	0.00	708.90	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-10	
	02/16/00			21.71	0.00	708.69	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-10	
	05/26/00			20.81	0.00	709.59	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-10	
	08/18/00			21.68	0.00	708.72	<50	<2.0	<2.0	<2.0	<4.0	0.91 J	<50	<5.0	<5.0	<5.0	-	MW-10	
	10/26/00			21.96	0.00	708.44	<50	0.17 J	0.22 J	0.16 J	<0.60	0.44 J	<50	<5.0	<5.0	<5.0	-	MW-10	
	02/06/01			21.39	0.00	709.01	26 J	0.13 J	0.27 J	0.13 J	0.57 J	9.7	<25	<5.0	<5.0	<5.0	-	MW-10	
	04/30/01			21.05	0.00	709.35	<100	<0.30	<0.30	<0.30	<0.60	<5.0	<50	<5.0	<5.0	<5.0	-	MW-10	
	08/08/01			20.98	0.00	709.42	<50	<0.30	<0.30	<0.30	<0.60	0.35 J	<50	<5.0	<5.0	<5.0	-	MW-10	
	11/15/01			21.79	0.00	708.61	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-10	
	02/14/02			21.89	0.00	708.51	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	-	MW-10	
	05/03/02			22.17	0.00	708.23	21 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-10	
	07/12/02			22.49	0.00	707.91	35 J	<2.0	<2.0	<2.0	<4.0	0.35 J	<50	<5.0	<5.0	<5.0	-	MW-10	
	12/06/02			23.11	0.00	707.29	29 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-10	
	03/11/03		730.42	22.18	0.00	708.24	32 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-10	
	04/09/03			21.85	0.00	708.57	28 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-10	
	07/07/03			21.64	0.00	708.78	34 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-10	
	11/06/03			22.67	0.00	707.75	47 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-10	

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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-10	01/26/04		730.42	22.67	0.00	707.75	35 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-10	
	04/20/04			22.23	0.00	708.19	41 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-10	
	07/19/04			22.93	0.00	707.49	45 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-10	
	10/07/04			24.15	0.00	706.27	36 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-10	

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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-11	03/08/95		731.59	21.32	0.00	710.27	400	8.9	0.42	2.4	0.89	-	-	-	-	-	-	MW-11	
	06/01/95			19.79	0.00	711.80	<50	<0.50	<0.50	0.71	<1.0	-	-	-	-	-	-	MW-11	
	08/30/95			20.92	0.00	710.67	55	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	MW-11	
	10/30/95			21.51	0.00	710.08	<50	<0.5	<0.5	0.70	<1.5	-	-	-	-	-	-	MW-11	
	01/22/96			21.72	0.00	709.87	<50	<0.5	<0.5	<0.5	<1.0	-	-	-	-	-	-	MW-11	
	04/16/96			21.20	0.00	710.39	530	2.6	<0.5	8.6	<1.0	<10	-	-	-	-	-	MW-11	
	08/15/96			22.21	0.00	709.38	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-11	
	11/04/96			22.70	0.00	708.89	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-11	
	03/25/97			21.49	0.00	710.10	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-11	
	06/10/97	NP		22.08	0.00	709.51	<50	0.80	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-11pre	
	06/10/97			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-11post	
	08/12/97			22.64	0.00	708.95	60	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-11	
	12/23/97	NP		22.61	0.00	708.98	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-11pre	
	12/23/97			-	-	-	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-11post	Turbidity=19
	03/05/98			19.32	0.00	712.27	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-11	
	06/25/98			19.04	0.00	712.55	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-11	
	09/01/98			20.11	0.00	711.48	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-11	
	11/10/98			20.80	0.00	710.79	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-11	
	03/02/99			21.16	0.00	710.43	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-11	
	04/30/99			20.95	0.00	710.64	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-11	
	08/19/99			21.65	0.00	709.94	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-11	
	10/21/99			22.11	0.00	709.48	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-11	
	02/16/00			22.20	0.00	709.39	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-11	
	05/26/00			21.31	0.00	710.28	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-11	
	08/18/00			22.25	0.00	709.34	<50	<2.0	<2.0	<2.0	<4.0	2.0 J	<50	<5.0	<5.0	<5.0	-	MW-11	
	10/26/00			22.01	0.00	709.58	<50	<0.30	<0.30	<0.30	<0.60	2.4 J	<50	<5.0	<5.0	<5.0	-	MW-11	
	02/06/01			21.91	0.00	709.68	29 J	<0.30	<0.30	<0.30	<0.60	2.3 J	<25	<5.0	<5.0	<5.0	-	MW-11	
	04/30/01			20.61	0.00	710.98	<100	<0.30	<0.30	<0.30	<0.60	<5.0	<50	<5.0	<5.0	<5.0	-	MW-11	
	08/08/01			21.51	0.00	710.08	<50	<0.30	<0.30	<0.30	<0.60	3.7 J	<50	<5.0	<5.0	<5.0	-	MW-11	
	11/15/01			22.37	0.00	709.22	<100	<5.0	<5.0	<5.0	<5.0	3.8 J	<50	<5.0	<5.0	<5.0	-	MW-11	
	02/14/02			22.42	0.00	709.17	<100	<5.0	<5.0	<5.0	<5.0	3.4 J	<25	<5.0	<5.0	<5.0	-	MW-11	
	05/03/02			22.70	0.00	708.89	29 J	<2.0	0.15 J	<2.0	<4.0	2.1 J	<50	<5.0	<5.0	<5.0	-	MW-11	
	07/12/02			23.05	0.00	708.54	31 J	<2.0	<2.0	<2.0	<4.0	2.4 J	<50	<5.0	<5.0	<5.0	-	MW-11	
	12/06/02			23.58	0.00	708.01	36 J	<2.0	<2.0	<2.0	<4.0	2.4 J	<50	<5.0	<5.0	<5.0	-	MW-11	
	03/11/03		731.56	22.68	0.00	708.88	35 J	<2.0	<2.0	<2.0	<4.0	2.2 J	<50	<5.0	<5.0	<5.0	<150	MW-11	
	04/09/03			22.29	0.00	709.27	31 J	<2.0	<2.0	<2.0	<4.0	2.4 J	<50	<5.0	<5.0	<5.0	<150	MW-11	
	07/07/03			22.20	0.00	709.36	36 J	<2.0	<2.0	<2.0	<4.0	1.8 J	<50	<5.0	<5.0	<5.0	87 J	MW-11	
	11/06/03			23.17	0.00	708.39	38 J	<2.0	<2.0	<2.0	<4.0	1.8 J	<50	<5.0	<5.0	<5.0	<150	MW-11	

TABLE 1
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 5041
6801 Reseda Boulevard, Reseda, 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-11	01/26/04		731.56	23.19	0.00	708.37	36 J	<2.0	<2.0	<2.0	0.68 J	1.8 J	<50	<5.0	<5.0	<5.0	<150	MW-11	
	04/20/04			22.68	0.00	708.88	43 J	<2.0	<2.0	<2.0	<4.0	1.6 J	<50	<5.0	<5.0	<5.0	<150	MW-11	
	07/19/04			23.44	0.00	708.12	50	<2.0	<2.0	<2.0	<4.0	1.1 J	<50	<5.0	<5.0	<5.0	<150	MW-11	
	10/07/04			25.74	0.00	705.82	34 J	<2.0	<2.0	<2.0	<4.0	0.98 J	<50	<5.0	<5.0	<5.0	<150	MW-11	

TABLE 1
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6801 Reseda Boulevard, Reseda, 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	06/01/95		-	-	-	-	<50	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	MW-100	
	08/30/95			-	-	-	<50	<0.50	<0.50	<0.50	<1.0	-	-	-	-	-	-	MW-100	
	10/30/95			-	-	-	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	MW-100	
	01/22/96			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	-	-	-	-	-	-	MW-100	
	04/16/96			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-100	
	08/15/96			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-100	
	11/04/96			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-100	
	03/25/97			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-100	
	06/10/97			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-100	
	08/12/97			-	-	-	<50	<0.5	<0.5	<0.5	<1.0	<10	-	-	-	-	-	MW-100	
	12/23/97			-	-	-	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-100	
	03/05/98			-	-	-	<50	<0.3	<0.3	<0.3	<0.6	<10	-	-	-	-	-	MW-100	
	06/25/98			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-100	
	09/01/98			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-100	
	11/10/98			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-100	
	03/02/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-100	
	04/30/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-100	
	08/19/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-100	
	10/21/99			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<10	-	-	-	-	-	MW-100	
	02/16/00			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-100	
	05/26/00			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-100	
	08/18/00			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	8.8 J	<5.0	<5.0	<5.0	-	MW-100	
	10/26/00			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<5.0	7.2 J	<5.0	<5.0	<5.0	-	MW-100	
	02/06/01			-	-	-	<50	<0.30	<0.30	<0.30	<0.60	<5.0	<25	<5.0	<5.0	<5.0	-	MW-100	
	04/30/01			-	-	-	<100	<0.30	<0.30	<0.30	<0.60	<5.0	<50	<5.0	<5.0	<5.0	-	MW-100	
	08/08/01			-	-	-	<50	<0.30	<0.30	0.24 J	<0.60	<5.0	<50	<5.0	<5.0	<5.0	-	MW-100	
	11/15/01			-	-	-	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-100	
	02/14/02			-	-	-	<100	<5.0	<5.0	<5.0	<5.0	<5.0	<25	<5.0	<5.0	<5.0	-	MW-100	
	05/03/02			-	-	-	9.4 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-100	
	07/12/02			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-100	
	12/06/02			-	-	-	14 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	-	MW-100	
	03/11/03			-	-	-	12 J	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-100	
	04/09/03			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-100	
	07/07/03			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	MW-100	
	11/06/03			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-5041-20031106	

TABLE 1
Summary of Groundwater Analytical & Elevation Results
ARCO Station No. 5041
6801 Reseda Boulevard, Reseda, 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	01/26/04		-	-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-5041-20040126	
	04/20/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	99 J	TB-5041-20040420	
	07/19/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-5041-20040719	
	10/07/04			-	-	-	<50	<2.0	<2.0	<2.0	<4.0	<5.0	<50	<5.0	<5.0	<5.0	<150	TB-5041-20041007	

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 20002 Quarter 1.
DUP = Duplicate sample
INA = Well inaccessible; not sampled
NP = Well not purged prior to sampling
NS = Well not sampled
SPH = Well not sampled due to the presence of separate phase hydrocarbons (SPH)

APPENDIX A

Laboratory Report and Chain-Of-Custody Document

Del Mar Analytical

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LABORATORY REPORT

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

Project: ARCO 5041, Reseda

Sampled: 10/07/04
Received: 10/08/04
Issued: 11/05/04 11:36

NELAP #01108CA CA ELAP #1197 CSDLAC #10117

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

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
INJ0580-01	MW-3	Water
INJ0580-02	MW-5	Water
INJ0580-03	MW-6	Water
INJ0580-04	MW-7	Water
INJ0580-05	MW-8	Water
INJ0580-06	MW-9	Water
INJ0580-07	MW-10	Water
INJ0580-08	MW-11	Water
INJ0580-09	DUP-5041-20041007	Water
INJ0580-10	TB-5041-20041007	Water

Reviewed By:

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

Del Mar Analytical

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

Project ID: ARCO 5041, Reseda
Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: INJ0580-01 (MW-3 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J15027	22	50	**98**	1	10/15/04	10/15/04	MB, PV
Surrogate: 4-BFB (FID) (60-135%)					*124 %*				
Sample ID: INJ0580-02 (MW-5 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J19007	220	500	**4400**	10	10/19/04	10/19/04	
Surrogate: 4-BFB (FID) (60-135%)					*88 %*				
Sample ID: INJ0580-03 (MW-6 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J15027	22	50	**86**	1	10/15/04	10/16/04	MB
Surrogate: 4-BFB (FID) (60-135%)					*113 %*				
Sample ID: INJ0580-04 (MW-7 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J15027	44	100	**1200**	2	10/15/04	10/16/04	MB
Surrogate: 4-BFB (FID) (60-135%)					*112 %*				
Sample ID: INJ0580-05 (MW-8 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J16024	22	50	**44**	1	10/16/04	10/16/04	PV, J,DX
Surrogate: 4-BFB (FID) (60-135%)					*90 %*				
Sample ID: INJ0580-06 (MW-9 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J16024	22	50	**61**	1	10/16/04	10/16/04	PV
Surrogate: 4-BFB (FID) (60-135%)					*90 %*				
Sample ID: INJ0580-07 (MW-10 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J16024	22	50	**36**	1	10/16/04	10/16/04	PV, J,DX
Surrogate: 4-BFB (FID) (60-135%)					*92 %*				
Sample ID: INJ0580-08 (MW-11 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J16024	22	50	**34**	1	10/16/04	10/16/04	PV, J,DX
Surrogate: 4-BFB (FID) (60-135%)					*94 %*				

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

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

Project ID: ARCO 5041, Reseda
Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: INJ0580-09 (DUP-5041-20041007 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J19007	22	50	**49**	1	10/19/04	10/19/04	J,DX
Surrogate: 4-BFB (FID) (60-135%)					*93 %*				
Sample ID: INJ0580-10 (TB-5041-20041007 - Water)									
Reporting Units: ug/l									
GRO (C4 - C12)	EPA 8015B	4J16024	22	50	ND	1	10/16/04	10/16/04	
Surrogate: 4-BFB (FID) (60-135%)					*89 %*				

Del Mar Analytical, Irvine
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Project Manager

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

Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: INJ0580-01 (MW-3 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J15023	0.28	2.0	ND	1	10/15/04	10/15/04	
Ethylbenzene	EPA 8260B	4J15023	0.25	2.0	ND	1	10/15/04	10/15/04	
Toluene	EPA 8260B	4J15023	0.36	2.0	ND	1	10/15/04	10/15/04	
m,p-Xylenes	EPA 8260B	4J15023	0.52	2.0	ND	1	10/15/04	10/15/04	
o-Xylene	EPA 8260B	4J15023	0.24	2.0	ND	1	10/15/04	10/15/04	
Xylenes, Total	EPA 8260B	4J15023	0.52	4.0	ND	1	10/15/04	10/15/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4J15023	0.25	5.0	ND	1	10/15/04	10/15/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J15023	0.28	5.0	ND	1	10/15/04	10/15/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J15023	0.33	5.0	ND	1	10/15/04	10/15/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J15023	0.32	5.0	**0.90**	1	10/15/04	10/15/04	J,DX
tert-Butanol (TBA)	EPA 8260B	4J15023	3.1	50	ND	1	10/15/04	10/15/04	
Ethanol	EPA 8260B	4J15023	100	150	ND	1	10/15/04	10/15/04	
Surrogate: Dibromofluoromethane (80-120%)					*106 %*				
Surrogate: Toluene-d8 (80-120%)					*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*100 %*				
Sample ID: INJ0580-02 (MW-5 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J16004	1.4	10	**380**	5	10/16/04	10/16/04	
Ethylbenzene	EPA 8260B	4J16004	1.2	10	**320**	5	10/16/04	10/16/04	
Toluene	EPA 8260B	4J16004	1.8	10	**30**	5	10/16/04	10/16/04	
m,p-Xylenes	EPA 8260B	4J16004	2.6	10	**720**	5	10/16/04	10/16/04	
o-Xylene	EPA 8260B	4J16004	1.2	10	**85**	5	10/16/04	10/16/04	
Xylenes, Total	EPA 8260B	4J16004	2.6	20	**800**	5	10/16/04	10/16/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4J16004	1.2	25	ND	5	10/16/04	10/16/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J16004	1.4	25	ND	5	10/16/04	10/16/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J16004	1.6	25	ND	5	10/16/04	10/16/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J16004	1.6	25	**110**	5	10/16/04	10/16/04	
tert-Butanol (TBA)	EPA 8260B	4J16004	16	250	**200**	5	10/16/04	10/16/04	J,DX
Ethanol	EPA 8260B	4J16004	500	750	ND	5	10/16/04	10/16/04	IO
Surrogate: Dibromofluoromethane (80-120%)					*105 %*				
Surrogate: Toluene-d8 (80-120%)					*110 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*110 %*				

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

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

Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: INJ0580-03 (MW-6 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J15023	0.28	2.0	ND	1	10/15/04	10/15/04	
Ethylbenzene	EPA 8260B	4J15023	0.25	2.0	ND	1	10/15/04	10/15/04	
Toluene	EPA 8260B	4J15023	0.36	2.0	ND	1	10/15/04	10/15/04	
m,p-Xylenes	EPA 8260B	4J15023	0.52	2.0	ND	1	10/15/04	10/15/04	
o-Xylene	EPA 8260B	4J15023	0.24	2.0	ND	1	10/15/04	10/15/04	
Xylenes, Total	EPA 8260B	4J15023	0.52	4.0	ND	1	10/15/04	10/15/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4J15023	0.25	5.0	ND	1	10/15/04	10/15/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J15023	0.28	5.0	ND	1	10/15/04	10/15/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J15023	0.33	5.0	ND	1	10/15/04	10/15/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J15023	0.32	5.0	**1.2**	1	10/15/04	10/15/04	J,DX
tert-Butanol (TBA)	EPA 8260B	4J15023	3.1	50	ND	1	10/15/04	10/15/04	
Ethanol	EPA 8260B	4J15023	100	150	ND	1	10/15/04	10/15/04	
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				
Sample ID: INJ0580-04 (MW-7 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J15023	0.28	2.0	**5.8**	1	10/15/04	10/15/04	
Ethylbenzene	EPA 8260B	4J15023	0.25	2.0	**21**	1	10/15/04	10/15/04	
Toluene	EPA 8260B	4J15023	0.36	2.0	ND	1	10/15/04	10/15/04	
m,p-Xylenes	EPA 8260B	4J15023	0.52	2.0	ND	1	10/15/04	10/15/04	
o-Xylene	EPA 8260B	4J15023	0.24	2.0	**0.58**	1	10/15/04	10/15/04	J,DX
Xylenes, Total	EPA 8260B	4J15023	0.52	4.0	**0.83**	1	10/15/04	10/15/04	J,DX
Di-isopropyl Ether (DIPE)	EPA 8260B	4J15023	0.25	5.0	ND	1	10/15/04	10/15/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J15023	0.28	5.0	ND	1	10/15/04	10/15/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J15023	0.33	5.0	ND	1	10/15/04	10/15/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J15023	0.32	5.0	**34**	1	10/15/04	10/15/04	
tert-Butanol (TBA)	EPA 8260B	4J15023	3.1	50	**130**	1	10/15/04	10/15/04	
Ethanol	EPA 8260B	4J15023	100	150	ND	1	10/15/04	10/15/04	
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*100 %*				

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

Project ID: ARCO 5041, Reseda
Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: INJ0580-05 (MW-8 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J15023	0.28	2.0	ND	1	10/15/04	10/15/04	
Ethylbenzene	EPA 8260B	4J15023	0.25	2.0	ND	1	10/15/04	10/15/04	
Toluene	EPA 8260B	4J15023	0.36	2.0	ND	1	10/15/04	10/15/04	
m,p-Xylenes	EPA 8260B	4J15023	0.52	2.0	ND	1	10/15/04	10/15/04	
o-Xylene	EPA 8260B	4J15023	0.24	2.0	ND	1	10/15/04	10/15/04	
Xylenes, Total	EPA 8260B	4J15023	0.52	4.0	ND	1	10/15/04	10/15/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4J15023	0.25	5.0	ND	1	10/15/04	10/15/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J15023	0.28	5.0	ND	1	10/15/04	10/15/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J15023	0.33	5.0	ND	1	10/15/04	10/15/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J15023	0.32	5.0	**0.64**	1	10/15/04	10/15/04	J,DX
tert-Butanol (TBA)	EPA 8260B	4J15023	3.1	50	ND	1	10/15/04	10/15/04	
Ethanol	EPA 8260B	4J15023	100	150	ND	1	10/15/04	10/15/04	
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				
Sample ID: INJ0580-06 (MW-9 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J15023	0.28	2.0	ND	1	10/15/04	10/15/04	
Ethylbenzene	EPA 8260B	4J15023	0.25	2.0	ND	1	10/15/04	10/15/04	
Toluene	EPA 8260B	4J15023	0.36	2.0	ND	1	10/15/04	10/15/04	
m,p-Xylenes	EPA 8260B	4J15023	0.52	2.0	ND	1	10/15/04	10/15/04	
o-Xylene	EPA 8260B	4J15023	0.24	2.0	ND	1	10/15/04	10/15/04	
Xylenes, Total	EPA 8260B	4J15023	0.52	4.0	ND	1	10/15/04	10/15/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4J15023	0.25	5.0	ND	1	10/15/04	10/15/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J15023	0.28	5.0	ND	1	10/15/04	10/15/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J15023	0.33	5.0	ND	1	10/15/04	10/15/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J15023	0.32	5.0	**4.0**	1	10/15/04	10/15/04	J,DX
tert-Butanol (TBA)	EPA 8260B	4J15023	3.1	50	ND	1	10/15/04	10/15/04	
Ethanol	EPA 8260B	4J15023	100	150	ND	1	10/15/04	10/15/04	
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*103 %*				

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Project Manager

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

Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: INJ0580-07 (MW-10 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J15023	0.28	2.0	ND	1	10/15/04	10/15/04	
Ethylbenzene	EPA 8260B	4J15023	0.25	2.0	ND	1	10/15/04	10/15/04	
Toluene	EPA 8260B	4J15023	0.36	2.0	ND	1	10/15/04	10/15/04	
m,p-Xylenes	EPA 8260B	4J15023	0.52	2.0	ND	1	10/15/04	10/15/04	
o-Xylene	EPA 8260B	4J15023	0.24	2.0	ND	1	10/15/04	10/15/04	
Xylenes, Total	EPA 8260B	4J15023	0.52	4.0	ND	1	10/15/04	10/15/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4J15023	0.25	5.0	ND	1	10/15/04	10/15/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J15023	0.28	5.0	ND	1	10/15/04	10/15/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J15023	0.33	5.0	ND	1	10/15/04	10/15/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J15023	0.32	5.0	ND	1	10/15/04	10/15/04	
tert-Butanol (TBA)	EPA 8260B	4J15023	3.1	50	ND	1	10/15/04	10/15/04	
Ethanol	EPA 8260B	4J15023	100	150	ND	1	10/15/04	10/15/04	
Surrogate: Dibromofluoromethane (80-120%)					*106 %*				
Surrogate: Toluene-d8 (80-120%)					*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				
Sample ID: INJ0580-08 (MW-11 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J14021	0.28	2.0	ND	1	10/14/04	10/14/04	
Ethylbenzene	EPA 8260B	4J14021	0.25	2.0	ND	1	10/14/04	10/14/04	
Toluene	EPA 8260B	4J14021	0.36	2.0	ND	1	10/14/04	10/14/04	
m,p-Xylenes	EPA 8260B	4J14021	0.52	2.0	ND	1	10/14/04	10/14/04	
o-Xylene	EPA 8260B	4J14021	0.24	2.0	ND	1	10/14/04	10/14/04	
Xylenes, Total	EPA 8260B	4J14021	0.52	4.0	ND	1	10/14/04	10/14/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4J14021	0.25	5.0	ND	1	10/14/04	10/14/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J14021	0.28	5.0	ND	1	10/14/04	10/14/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J14021	0.33	5.0	ND	1	10/14/04	10/14/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J14021	0.32	5.0	**0.98**	1	10/14/04	10/14/04	J,DX
tert-Butanol (TBA)	EPA 8260B	4J14021	3.1	50	ND	1	10/14/04	10/14/04	IB,IA
Ethanol	EPA 8260B	4J14021	100	150	ND	1	10/14/04	10/14/04	LM,AY
Surrogate: Dibromofluoromethane (80-120%)					*104 %*				
Surrogate: Toluene-d8 (80-120%)					*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*100 %*				

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

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

Project ID: ARCO 5041, Reseda
Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: INJ0580-09 (DUP-5041-20041007 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J14021	0.28	2.0	ND	1	10/14/04	10/15/04	
Ethylbenzene	EPA 8260B	4J14021	0.25	2.0	ND	1	10/14/04	10/15/04	
Toluene	EPA 8260B	4J14021	0.36	2.0	ND	1	10/14/04	10/15/04	
m,p-Xylenes	EPA 8260B	4J14021	0.52	2.0	ND	1	10/14/04	10/15/04	
o-Xylene	EPA 8260B	4J14021	0.24	2.0	ND	1	10/14/04	10/15/04	
Xylenes, Total	EPA 8260B	4J14021	0.52	4.0	ND	1	10/14/04	10/15/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4J14021	0.25	5.0	ND	1	10/14/04	10/15/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J14021	0.28	5.0	ND	1	10/14/04	10/15/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J14021	0.33	5.0	ND	1	10/14/04	10/15/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J14021	0.32	5.0	**0.59**	1	10/14/04	10/15/04	J,DX
tert-Butanol (TBA)	EPA 8260B	4J14021	3.1	50	ND	1	10/14/04	10/15/04	IB,IA
Ethanol	EPA 8260B	4J14021	100	150	ND	1	10/14/04	10/15/04	
Surrogate: Dibromofluoromethane (80-120%)					*102 %*				
Surrogate: Toluene-d8 (80-120%)					*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*101 %*				
Sample ID: INJ0580-10 (TB-5041-20041007 - Water)									
Reporting Units: ug/l									
Benzene	EPA 8260B	4J14021	0.28	2.0	ND	1	10/14/04	10/14/04	
Ethylbenzene	EPA 8260B	4J14021	0.25	2.0	ND	1	10/14/04	10/14/04	
Toluene	EPA 8260B	4J14021	0.36	2.0	ND	1	10/14/04	10/14/04	
m,p-Xylenes	EPA 8260B	4J14021	0.52	2.0	ND	1	10/14/04	10/14/04	
o-Xylene	EPA 8260B	4J14021	0.24	2.0	ND	1	10/14/04	10/14/04	
Xylenes, Total	EPA 8260B	4J14021	0.52	4.0	ND	1	10/14/04	10/14/04	
Di-isopropyl Ether (DIPE)	EPA 8260B	4J14021	0.25	5.0	ND	1	10/14/04	10/14/04	
Ethyl tert-Butyl Ether (ETBE)	EPA 8260B	4J14021	0.28	5.0	ND	1	10/14/04	10/14/04	
tert-Amyl Methyl Ether (TAME)	EPA 8260B	4J14021	0.33	5.0	ND	1	10/14/04	10/14/04	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	4J14021	0.32	5.0	ND	1	10/14/04	10/14/04	
tert-Butanol (TBA)	EPA 8260B	4J14021	3.1	50	ND	1	10/14/04	10/14/04	IB,IA
Ethanol	EPA 8260B	4J14021	100	150	ND	1	10/14/04	10/14/04	
Surrogate: Dibromofluoromethane (80-120%)					*99 %*				
Surrogate: Toluene-d8 (80-120%)					*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*99 %*				

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Project Manager

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290 Conejo Ridge Avenue, Suite 200
Thousand Oaks, CA 91361
Attention: Lisa Moreno

Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: 4J15027 Extracted: 10/15/04											
Blank Analyzed: 10/15/04 (4J15027-BLK1)											
GRO (C4 - C12)	45.2	50	22	ug/l							*J,DX*
Surrogate: 4-BFB (FID)	*10.6*			*ug/l*	*10.0*		*106*	*60-135*			
LCS Analyzed: 10/15/04 (4J15027-BS1)											
GRO (C4 - C12)	292	50	22	ug/l	220		133	70-135			
Surrogate: 4-BFB (FID)	*11.7*			*ug/l*	*10.0*		*117*	*60-135*			
Matrix Spike Analyzed: 10/15/04 (4J15027-MS1)						**Source: INJ0556-01**					
GRO (C4 - C12)	294	50	22	ug/l	220	73	100	60-135			
Surrogate: 4-BFB (FID)	*10.4*			*ug/l*	*10.0*		*104*	*60-135*			
Matrix Spike Dup Analyzed: 10/15/04 (4J15027-MSD1)						**Source: INJ0556-01**					
GRO (C4 - C12)	306	50	22	ug/l	220	73	106	60-135	4	20	
Surrogate: 4-BFB (FID)	*10.3*			*ug/l*	*10.0*		*103*	*60-135*			
Batch: 4J16024 Extracted: 10/16/04											
Blank Analyzed: 10/16/04 (4J16024-BLK1)											
GRO (C4 - C12)	ND	50	22	ug/l							
Surrogate: 4-BFB (FID)	*9.08*			*ug/l*	*10.0*		*91*	*60-135*			
LCS Analyzed: 10/16/04 (4J16024-BS1)											
GRO (C4 - C12)	224	50	22	ug/l	220		102	70-135			
Surrogate: 4-BFB (FID)	*11.3*			*ug/l*	*10.0*		*113*	*60-135*			
Matrix Spike Analyzed: 10/16/04 (4J16024-MS1)						**Source: INJ0553-02**					
GRO (C4 - C12)	227	50	22	ug/l	220	ND	103	60-135			
Surrogate: 4-BFB (FID)	*11.4*			*ug/l*	*10.0*		*114*	*60-135*			

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SECOR International, Inc.-Thousand Oaks
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Thousand Oaks, CA 91361
Attention: Lisa Moreno

Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: 4J16024 Extracted: 10/16/04											
Matrix Spike Dup Analyzed: 10/16/04 (4J16024-MSD1)						**Source: INJ0553-02**					
GRO (C4 - C12)	219	50	22	ug/l	220	ND	100	60-135	4	20	
Surrogate: 4-BFB (FID)	*11.3*			*ug/l*	*10.0*		*113*	*60-135*			
Batch: 4J19007 Extracted: 10/19/04											
Blank Analyzed: 10/19/04 (4J19007-BLK1)											
GRO (C4 - C12)	ND	50	22	ug/l							
Surrogate: 4-BFB (FID)	*9.74*			*ug/l*	*10.0*		*97*	*60-135*			
LCS Analyzed: 10/19/04 (4J19007-BS1)											
GRO (C4 - C12)	226	50	22	ug/l	220		103	70-135			
Surrogate: 4-BFB (FID)	*11.8*			*ug/l*	*10.0*		*118*	*60-135*			
Matrix Spike Analyzed: 10/19/04 (4J19007-MS1)						**Source: INJ0668-08**					
GRO (C4 - C12)	297	50	22	ug/l	220	88	95	60-135			
Surrogate: 4-BFB (FID)	*12.2*			*ug/l*	*10.0*		*122*	*60-135*			
Matrix Spike Dup Analyzed: 10/19/04 (4J19007-MSD1)						**Source: INJ0668-08**					
GRO (C4 - C12)	304	50	22	ug/l	220	88	98	60-135	2	20	
Surrogate: 4-BFB (FID)	*12.7*			*ug/l*	*10.0*		*127*	*60-135*			

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Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: 4J14021 Extracted: 10/14/04											
Blank Analyzed: 10/14/04 (4J14021-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	*25.7*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*25.8*			*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
LCS Analyzed: 10/14/04 (4J14021-BS1)											
Benzene	23.5	2.0	0.28	ug/l	25.0		94	70-120			
Ethylbenzene	26.5	2.0	0.25	ug/l	25.0		106	80-120			
Toluene	25.2	2.0	0.36	ug/l	25.0		101	75-120			
m,p-Xylenes	51.3	2.0	0.52	ug/l	50.0		103	75-120			
o-Xylene	24.8	2.0	0.24	ug/l	25.0		99	75-125			
Xylenes, Total	76.1	4.0	0.52	ug/l	75.0		101	75-125			
Di-isopropyl Ether (DIPE)	27.0	5.0	0.25	ug/l	25.0		108	65-135			
Ethyl tert-Butyl Ether (ETBE)	27.2	5.0	0.28	ug/l	25.0		109	60-140			
tert-Amyl Methyl Ether (TAME)	28.3	5.0	0.33	ug/l	25.0		113	60-140			
Methyl-tert-butyl Ether (MTBE)	27.9	5.0	0.32	ug/l	25.0		112	55-145			
tert-Butanol (TBA)	140	50	3.1	ug/l	125		112	70-140			
Ethanol	276	150	100	ug/l	250		110	35-165			
Surrogate: Dibromofluoromethane	*24.5*			*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*24.8*			*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.8*			*ug/l*	*25.0*		*99*	*80-120*			

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SECOR International, Inc.-Thousand Oaks
290 Conejo Ridge Avenue, Suite 200
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Attention: Lisa Moreno

Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: 4J14021 Extracted: 10/14/04											
Matrix Spike Analyzed: 10/15/04 (4J14021-MS1)						**Source: INJ0580-08**					
Benzene	25.4	2.0	0.28	ug/l	25.0	ND	102	70-120			
Ethylbenzene	28.6	2.0	0.25	ug/l	25.0	ND	114	70-130			
Toluene	27.2	2.0	0.36	ug/l	25.0	ND	109	70-120			
m,p-Xylenes	54.9	2.0	0.52	ug/l	50.0	ND	110	65-130			
o-Xylene	26.7	2.0	0.24	ug/l	25.0	ND	107	65-125			
Xylenes, Total	81.6	4.0	0.52	ug/l	75.0	ND	109	65-135			
Di-isopropyl Ether (DIPE)	28.7	5.0	0.25	ug/l	25.0	ND	115	65-140			
Ethyl tert-Butyl Ether (ETBE)	27.3	5.0	0.28	ug/l	25.0	ND	109	60-140			
tert-Amyl Methyl Ether (TAME)	27.0	5.0	0.33	ug/l	25.0	ND	108	55-145			
Methyl-tert-butyl Ether (MTBE)	26.5	5.0	0.32	ug/l	25.0	0.98	102	50-155			
tert-Butanol (TBA)	155	50	3.1	ug/l	125	ND	124	65-145			
Ethanol	420	150	100	ug/l	250	ND	168	35-165			*LM,AY*
Surrogate: Dibromofluoromethane	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.6*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 10/15/04 (4J14021-MSD1)						**Source: INJ0580-08**					
Benzene	25.6	2.0	0.28	ug/l	25.0	ND	102	70-120	1	20	
Ethylbenzene	28.7	2.0	0.25	ug/l	25.0	ND	115	70-130	0	20	
Toluene	27.3	2.0	0.36	ug/l	25.0	ND	109	70-120	0	20	
m,p-Xylenes	53.9	2.0	0.52	ug/l	50.0	ND	108	65-130	2	25	
o-Xylene	26.6	2.0	0.24	ug/l	25.0	ND	106	65-125	0	20	
Xylenes, Total	80.5	4.0	0.52	ug/l	75.0	ND	107	65-135	1	20	
Di-isopropyl Ether (DIPE)	28.9	5.0	0.25	ug/l	25.0	ND	116	65-140	1	25	
Ethyl tert-Butyl Ether (ETBE)	27.3	5.0	0.28	ug/l	25.0	ND	109	60-140	0	25	
tert-Amyl Methyl Ether (TAME)	27.1	5.0	0.33	ug/l	25.0	ND	108	55-145	0	30	
Methyl-tert-butyl Ether (MTBE)	26.8	5.0	0.32	ug/l	25.0	0.98	103	50-155	1	25	
tert-Butanol (TBA)	156	50	3.1	ug/l	125	ND	125	65-145	1	25	
Ethanol	367	150	100	ug/l	250	ND	147	35-165	13	30	
Surrogate: Dibromofluoromethane	*25.6*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.3*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.5*			*ug/l*	*25.0*		*102*	*80-120*			

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Attention: Lisa Moreno

Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: 4J15023 Extracted: 10/15/04											
Blank Analyzed: 10/15/04 (4J15023-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	*26.3*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: Toluene-d8	*26.6*			*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*			*ug/l*	*25.0*		*103*	*80-120*			
LCS Analyzed: 10/15/04 (4J15023-BS1)											
Benzene	25.1	2.0	0.28	ug/l	25.0		100	70-120			
Ethylbenzene	26.2	2.0	0.25	ug/l	25.0		105	80-120			
Toluene	25.9	2.0	0.36	ug/l	25.0		104	75-120			
m,p-Xylenes	50.4	2.0	0.52	ug/l	50.0		101	75-120			
o-Xylene	24.2	2.0	0.24	ug/l	25.0		97	75-125			
Xylenes, Total	74.6	4.0	0.52	ug/l	75.0		99	75-125			
Di-isopropyl Ether (DIPE)	25.4	5.0	0.25	ug/l	25.0		102	65-135			
Ethyl tert-Butyl Ether (ETBE)	25.0	5.0	0.28	ug/l	25.0		100	60-140			
tert-Amyl Methyl Ether (TAME)	23.9	5.0	0.33	ug/l	25.0		96	60-140			
Methyl-tert-butyl Ether (MTBE)	23.6	5.0	0.32	ug/l	25.0		94	55-145			
tert-Butanol (TBA)	124	50	3.1	ug/l	125		99	70-140			
Ethanol	305	150	100	ug/l	250		122	35-165			
Surrogate: Dibromofluoromethane	*25.5*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*27.2*			*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.5*			*ug/l*	*25.0*		*102*	*80-120*			

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Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: 4J15023 Extracted: 10/15/04											
Matrix Spike Analyzed: 10/15/04 (4J15023-MS1)						**Source: INJ0580-01**					
Benzene	27.4	2.0	0.28	ug/l	25.0	ND	110	70-120			
Ethylbenzene	28.1	2.0	0.25	ug/l	25.0	ND	112	70-130			
Toluene	27.9	2.0	0.36	ug/l	25.0	ND	112	70-120			
m,p-Xylenes	52.6	2.0	0.52	ug/l	50.0	ND	105	65-130			
o-Xylene	26.1	2.0	0.24	ug/l	25.0	ND	104	65-125			
Xylenes, Total	78.7	4.0	0.52	ug/l	75.0	ND	105	65-135			
Di-isopropyl Ether (DIPE)	29.7	5.0	0.25	ug/l	25.0	ND	119	65-140			
Ethyl tert-Butyl Ether (ETBE)	31.1	5.0	0.28	ug/l	25.0	ND	124	60-140			
tert-Amyl Methyl Ether (TAME)	32.5	5.0	0.33	ug/l	25.0	ND	130	55-145			
Methyl-tert-butyl Ether (MTBE)	34.6	5.0	0.32	ug/l	25.0	0.90	135	50-155			
tert-Butanol (TBA)	129	50	3.1	ug/l	125	ND	103	65-145			
Ethanol	351	150	100	ug/l	250	ND	140	35-165			
Surrogate: Dibromofluoromethane	*25.4*			*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*26.2*			*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*			*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 10/15/04 (4J15023-MSD1)						**Source: INJ0580-01**					
Benzene	27.4	2.0	0.28	ug/l	25.0	ND	110	70-120	0	20	
Ethylbenzene	28.9	2.0	0.25	ug/l	25.0	ND	116	70-130	3	20	
Toluene	27.7	2.0	0.36	ug/l	25.0	ND	111	70-120	1	20	
m,p-Xylenes	54.2	2.0	0.52	ug/l	50.0	ND	108	65-130	3	25	
o-Xylene	26.6	2.0	0.24	ug/l	25.0	ND	106	65-125	2	20	
Xylenes, Total	80.8	4.0	0.52	ug/l	75.0	ND	108	65-135	3	20	
Di-isopropyl Ether (DIPE)	28.2	5.0	0.25	ug/l	25.0	ND	113	65-140	5	25	
Ethyl tert-Butyl Ether (ETBE)	27.4	5.0	0.28	ug/l	25.0	ND	110	60-140	13	25	
tert-Amyl Methyl Ether (TAME)	26.9	5.0	0.33	ug/l	25.0	ND	108	55-145	19	30	
Methyl-tert-butyl Ether (MTBE)	27.2	5.0	0.32	ug/l	25.0	0.90	105	50-155	24	25	
tert-Butanol (TBA)	134	50	3.1	ug/l	125	ND	107	65-145	4	25	
Ethanol	411	150	100	ug/l	250	ND	164	35-165	16	30	
Surrogate: Dibromofluoromethane	*25.2*			*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.9*			*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*			*ug/l*	*25.0*		*100*	*80-120*			

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Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: 4J16004 Extracted: 10/16/04											
Blank Analyzed: 10/16/04 (4J16004-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	*26.6*			*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*27.0*			*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.5*			*ug/l*	*25.0*		*106*	*80-120*			
LCS Analyzed: 10/16/04 (4J16004-BS1)											
Benzene	22.2	2.0	0.28	ug/l	25.0		89	70-120			
Ethylbenzene	23.0	2.0	0.25	ug/l	25.0		92	80-120			
Toluene	22.2	2.0	0.36	ug/l	25.0		89	75-120			
m,p-Xylenes	44.8	2.0	0.52	ug/l	50.0		90	75-120			
o-Xylene	22.4	2.0	0.24	ug/l	25.0		90	75-125			
Xylenes, Total	67.2	4.0	0.52	ug/l	75.0		90	75-125			
Di-isopropyl Ether (DIPE)	24.8	5.0	0.25	ug/l	25.0		99	65-135			
Ethyl tert-Butyl Ether (ETBE)	22.2	5.0	0.28	ug/l	25.0		89	60-140			
tert-Amyl Methyl Ether (TAME)	21.4	5.0	0.33	ug/l	25.0		86	60-140			
Methyl-tert-butyl Ether (MTBE)	22.4	5.0	0.32	ug/l	25.0		90	55-145			
tert-Butanol (TBA)	138	50	3.1	ug/l	125		110	70-140			
Ethanol	312	150	100	ug/l	250		125	35-165			
Surrogate: Dibromofluoromethane	*27.5*			*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*27.2*			*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.4*			*ug/l*	*25.0*		*110*	*80-120*			

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

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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: Lisa Moreno

Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

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: 4J16004 Extracted: 10/16/04											
Matrix Spike Analyzed: 10/16/04 (4J16004-MS1)						**Source: INJ0826-10**					
Benzene	24.5	2.0	0.28	ug/l	25.0	ND	98	70-120			
Ethylbenzene	25.6	2.0	0.25	ug/l	25.0	ND	102	70-130			
Toluene	24.6	2.0	0.36	ug/l	25.0	ND	98	70-120			
m,p-Xylenes	49.1	2.0	0.52	ug/l	50.0	ND	98	65-130			
o-Xylene	24.9	2.0	0.24	ug/l	25.0	ND	100	65-125			
Xylenes, Total	74.0	4.0	0.52	ug/l	75.0	ND	99	65-135			
Di-isopropyl Ether (DIPE)	26.9	5.0	0.25	ug/l	25.0	ND	108	65-140			
Ethyl tert-Butyl Ether (ETBE)	27.1	5.0	0.28	ug/l	25.0	ND	108	60-140			
tert-Amyl Methyl Ether (TAME)	26.7	5.0	0.33	ug/l	25.0	ND	107	55-145			
Methyl-tert-butyl Ether (MTBE)	26.3	5.0	0.32	ug/l	25.0	ND	105	50-155			
tert-Butanol (TBA)	142	50	3.1	ug/l	125	ND	114	65-145			
Ethanol	286	150	100	ug/l	250	ND	114	35-165			
Surrogate: Dibromofluoromethane	*27.6*			*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*27.6*			*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.8*			*ug/l*	*25.0*		*111*	*80-120*			
Matrix Spike Dup Analyzed: 10/16/04 (4J16004-MSD1)						**Source: INJ0826-10**					
Benzene	23.3	2.0	0.28	ug/l	25.0	ND	93	70-120	5	20	
Ethylbenzene	24.1	2.0	0.25	ug/l	25.0	ND	96	70-130	6	20	
Toluene	23.4	2.0	0.36	ug/l	25.0	ND	94	70-120	5	20	
m,p-Xylenes	46.5	2.0	0.52	ug/l	50.0	ND	93	65-130	5	25	
o-Xylene	23.2	2.0	0.24	ug/l	25.0	ND	93	65-125	7	20	
Xylenes, Total	69.7	4.0	0.52	ug/l	75.0	ND	93	65-135	6	20	
Di-isopropyl Ether (DIPE)	24.8	5.0	0.25	ug/l	25.0	ND	99	65-140	8	25	
Ethyl tert-Butyl Ether (ETBE)	24.0	5.0	0.28	ug/l	25.0	ND	96	60-140	12	25	
tert-Amyl Methyl Ether (TAME)	23.4	5.0	0.33	ug/l	25.0	ND	94	55-145	13	30	
Methyl-tert-butyl Ether (MTBE)	22.9	5.0	0.32	ug/l	25.0	ND	92	50-155	14	25	
tert-Butanol (TBA)	145	50	3.1	ug/l	125	ND	116	65-145	2	25	
Ethanol	308	150	100	ug/l	250	ND	123	35-165	7	30	
Surrogate: Dibromofluoromethane	*26.8*			*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*27.2*			*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.8*			*ug/l*	*25.0*		*107*	*80-120*			

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

Project ID: ARCO 5041, Reseda

Report Number: INJ0580

Sampled: 10/07/04
Received: 10/08/04

DATA QUALIFIERS AND DEFINITIONS

IB,IA	CCV recovery above limit; analyte not detected,Results are valid even though CCV recovery outside of limits
IO	Contract limits originate from BP-GCLN Technical Requirements
J,DX	EPA Flag - Estimated value,Value < lowest standard (MQL), but > than MDL
LM,AY	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
MB	Analyte present in the method blank
PV	Hydrocarbon result partly due to individ. peak(s) in quant. range
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

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

For GRO (C4-C12):

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

8015 Analysis EDF Parlabel Cross Reference

Analyte	EDF Parlabel
GRO (C4 - C12)	GROC4C12

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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 8015B	Water	X	X
EPA 8260B	Water	X	X

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

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

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bp

Chain of Custody Record

Project Name Q4-2004 Groundwater
BP BU/GEM CO Portfolio: Retail (Coastal + C. LA)
BP Laboratory Contract Number: Atlantic Richfield
Requested Due Date (10/21/04) Standard TAT

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

Send To:		BP/GEM Facility No.:	5041	Consultant/Contractor:	SECOR International, Inc.
Lab Name:	Del Mar Analytical	BP/GEM Facility Address:	6801 Reseda Blvd, Reseda, CA	Address:	290 Conejo Ridge Ave., Suite 200
Lab Address:	2852 Alton Ave.	Site ID No.			Thousand Oaks, CA 91361
	Irvine, CA 92606	Site Lat/Long:	34.194/-118.536	e-mail EDD:	bauchard@secor.com
		California Global ID #:	T0603702220	Consultant/Contractor Project No.:	37BP.U5041.04
Lab PM:	Chris Roberts	BP/GEM PM Contact:	Ray Vose	Consultant/Contractor Tele/Fax:	(805) 230-1266
Tele/Fax:	949-261-1022 / 949-261-1228	Address:	4 Centerpoint Dr.	Consultant/Contractor PM:	Lisa Moreno
Report Type & QC Level:	Standard		La Palma, CA	Invoice to:	Consultant
BP/GEM Account No.:		Tele/Fax:	(818) 957-1755	BP/GEM Work Release No:	

Lab Bottle Order No: INJ0560

Item No.	Sample Description	Time	Date	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of containers	Preservatives: Unpreserved	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Requested Analysis: GRO C4-C12 (8015)	Requested Analysis: BTEX/OXY/ET (8260)	Field Point Name / Comments
1	MW-3	0915	10/7/04		X			4				X	X	X	
2	MW-5	1240	10/7/04		X			4				X	X	X	
3	MW-6	1220	10/7/04		X			4				X	X	X	
4	MW-7	1035	10/7/04		X			4				X	X	X	
5	MW-8	1205	10/7/04		X			4				X	X	X	
6	MW-9	0900	10/7/04		X			4				X	X	X	
7	MW-10	1120	10/7/04		X			4				X	X	X	
8	MW-11	1000	10/7/04		X			4				X	X	X	
9	Dup-5041-20041007	—	10/7/04		X			4				X	X	X	
10	TB-5041-20041007	—	10/7/04	X				4				X	X	X	

INITIAL DCP

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Shawn Dickinson						
Sampler's Company: SECOR		10-8-04	1105		10-8-04	1105
Shipment Date:	Rick Herrick DMAI	10-8-04	1845			
Shipment Method:					10/8/04	1845
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~~

APPENDIX B

Groundwater Sampling Data Sheets

Subjective and Well -Head Evaluation Form

Project No.: Q4-2004 Groundwater Location: Reseda Date: 10/7/2004

Station No.: 5041 Field Technician: Shuan Dickinson Day of Week: Thursday

DTW ORDER	WELL ID	SURFICIAL SEAL	CONCRETE SEAL	LID SECURE	GASKET	LOCK	EXPANDING CAP	TOTAL DEPTH (feet)	DEPTH TO WATER (feet)	FLOATING PRODUCT THICKNESS (feet)	DISSOLVED OXYGEN READING (mg/L)	COMMENTS
	MW-3	✓	✓	✓	✓	✓	✓	29.86	24.63	Ø	0.32	
	MW-5	✓	✓	✓	✓	✓	✓	30.20	24.15	~~Strong Sheen~~ Ø	0.19	Check for Sheen
	MW-6	✓	✓	✓	✓	✓	✓	30.73	24.06	Ø	0.23	1 Bolt hole is stripped
	MW-7	✓	✓	✓	✓	✓	✓	26.10	23.00	Ø	0.40	
	MW-8	✓	✓	N	✓	✓	✓	44.98	24.02	Ø	0.42	Bolt holes stripped DUP-5041-20041007
	MW-9	✓	✓	✓	✓	✓	✓	45.02	24.81	Ø	0.39	
	MW-10	✓	✓	✓	✓	✓	✓	34.66	24.15	Ø	0.51	
	MW-11	✓	✓	✓	✓	✓	✓	33.95	25.74	Ø	0.54	

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

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY

PROJECT NO: Q4-2004 Groundwater	SAMPLE ID: MW-3
SAMPLER: Shaun Dickinson	FACILITY NO: 5041
DATE: 10/07/04	LOCATION: Reseda

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

DEPTH OF WELL (feet): 29.86	CALCULATED PURGE (gal): 10.4
DEPTH TO WATER (feet): 24.63	ACTUAL PURGE VOL (gal): 11
Standing Water in Casing (feet) 5.23 x 0.20= 1.0416 + DTW 25.67 =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: 10/07/04 Start (2400 Hr.): 0839 End (2400 Hr.): 0846

Date Sampled: 10/07/04 Time (2400 Hr.): 0915 DTW @ Samp. Time: 25.50

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)
0842	4	65.4	1977	8.11	Clear	Trace	
0844	8	64.7	1985	8.10	"	"	
0846	11	65.8	1974	8.08	"	"	

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

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: Moreno DATE: 10/19/04

Atlantic Richfield Company No. # 5041

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q4-2004 Groundwater	SAMPLE ID: MW-5
	SAMPLER: Shaun Dickinson	FACILITY NO: 5041
	DATE: 10/07/04	LOCATION: Reseda

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

DEPTH OF WELL (feet): 30.20	CALCULATED PURGE (gal): 12.1
DEPTH TO WATER (feet): 24.15	ACTUAL PURGE VOL (gal): 13
Standing Water in Casing (feet) 6.05 x 0.20= 1.21	+ DTW 25.36 =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: 10/07/04 Start (2400 Hr.): 0908 End (2400 Hr.): 0915

Date Sampled: 10/07/04 Time (2400 Hr.): 1240 DTW @ Samp. Time: 24.15

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)
0911	4	67.3	1977	8.06	Clear	Trace	
0912	8	69.1	1996	8.10	"	"	
0915	13	66.8	1999	8.09	"	"	

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

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: [signature] DATE: 10/19/04

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q4-2004 Groundwater	SAMPLE ID: MW-6
	SAMPLER: Shaun Dickinson	FACILITY NO: 5041
	DATE: 10/07/04	LOCATION: Reseda

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

DEPTH OF WELL (feet): 30.73	CALCULATED PURGE (gal): 13.3
DEPTH TO WATER (feet): 24.06	ACTUAL PURGE VOL (gal): 14
Standing Water in Casing (feet) 6.67 x 0.20= 1.334 + DTW 25.39 =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: 10/07/04 Start (2400 Hr.): 0851 End (2400 Hr.): 0905
Date Sampled: 10/07/04 Time (2400 Hr.): 1220 DTW @ Samp. Time: 24.07

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)
0857	5	67.9	1820	8.20	clear	Trace	
0901	10	64.8	1740	8.22	"	"	
0905	14	64.8	1725	8.24	"	"	

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

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: J Moreno DATE: 10/19/04

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q4-2004 Groundwater	SAMPLE ID: MW-7
	SAMPLER: Shaun Dickinson	FACILITY NO: 5041
	DATE: 10/07/04	LOCATION: Reseda

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

DEPTH OF WELL (feet): 26.10	CALCULATED PURGE (gal): 6.2
DEPTH TO WATER (feet): 23.00	ACTUAL PURGE VOL (gal): 7
Standing Water in Casing (feet) 3.1 x 0.20= 0.62 + DTW 23.62 =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: 10/07/04 Start (2400 Hr.): 1010 End (2400 Hr.): 1020
Date Sampled: 10/07/04 Time (2400 Hr.): 10.35 DTW @ Samp. Time: 23.62

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)
1012	1	76.3	2020	7.71	Clear	Trace	
1014	3	74.8	1996	8.14	"	"	
1020	7	70.10	1977	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: 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: L Moreno DATE: 10/19/04

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q4-2004 Groundwater	SAMPLE ID: MW-8
	SAMPLER: Shaun Dickinson	FACILITY NO: 5041
	DATE: 10/07/04	LOCATION: Reseda

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

DEPTH OF WELL (feet): 44.98	CALCULATED PURGE (gal): 41.9
DEPTH TO WATER (feet): 24.02	ACTUAL PURGE VOL (gal): 42
Standing Water in Casing (feet) 20.96 x 0.20= 4.192 + DTW 28.21 =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: 10/07/04 Start (2400 Hr.): 1124 End (2400 Hr.): 1148
Date Sampled: 10/07/04 Time (2400 Hr.): 1205 DTW @ Samp. Time: 25.51

FIELD QC SAMPLES COLLECTED AT THIS WELL (IE: FB-1, X-DUP-1): Rp-5041-20041007

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) X1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
1131	14	74.2	2037	7.69	Clear	Trace	
1139	28	74.7	2022	7.71	"	"	
1148	42	80.1	2050	7.62			

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

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: D Moreno DATE: 10/14/04

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q4-2004 Groundwater	SAMPLE ID: MW-9
	SAMPLER: Shaun Dickinson	FACILITY NO: 5041
	DATE: 10/07/04	LOCATION: Reseda

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

DEPTH OF WELL (feet):	45.02	CALCULATED PURGE (gal):	40.4
DEPTH TO WATER (feet):	24.81	ACTUAL PURGE VOL (gal):	41

Standing Water in Casing (feet) 20.21 x 0.20= 4.042 + DTW 28.85 =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: 10/07/04 Start (2400 Hr.): 0811 End (2400 Hr.): 0837

Date Sampled: 10/07/04 Time (2400 Hr.): 0900 DTW @ Samp. Time: 26.42

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)
0820	14	64.5	1871	7.41	Clear	Trace	
0829	28	65.0	1831	8.06	"	"	
0837	41	64.1	1834	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: 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: DMoreno DATE: 10/19/04

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY	PROJECT NO: Q4-2004 Groundwater	SAMPLE ID: MW-10
	SAMPLER: Shaun Dickinson	FACILITY NO: 5041
	DATE: 10/07/04	LOCATION: Reseda

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

DEPTH OF WELL (feet):	34.66	CALCULATED PURGE (gal):	17.8
DEPTH TO WATER (feet):	25.74	ACTUAL PURGE VOL (gal):	18

Standing Water in Casing (feet) 8.92 x 0.20= 1.784 + DTW 27.52 =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: 10/07/04 Start (2400 Hr.): 1046 End (2400 Hr.): ~~1128~~ 1100

Date Sampled: 10/07/04 Time (2400 Hr.): 1120 DTW @ Samp. Time: 27.11

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)
1050	6	73.5	2079	8.06	Clear	Trace	
1052	12	72.4	2075	7.99	"	"	
1100	18	72.5	2074	7.79	"	"	

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

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

OTHER: VAC TRUCK OTHER:

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

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

COMMENTS:

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

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: [signature] DATE: 10/19/04

GROUNDWATER SAMPLE FIELD DATA SHEET

ATLANTIC RICHFIELD COMPANY

PROJECT NO: Q4-2004 Groundwater	SAMPLE ID: MW-11
SAMPLER: Shaun Dickinson	FACILITY NO: 5041
DATE: 10/07/04	LOCATION: Reseda

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

DEPTH OF WELL (feet): 33.95	CALCULATED PURGE (gal): 20.0
DEPTH TO WATER (feet): 23.93	ACTUAL PURGE VOL (gal): 21

Standing Water in Casing (feet) 10.02 x 0.20= 2.004 + DTW 25.93 =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: 10/07/04 Start (2400 Hr.): 0932 End (2400 Hr.): 0944

Date Sampled: 10/07/04 Time (2400 Hr.): 1000 DTW @ Samp. Time: 25.00

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

TIME (2400 Hr.)	VOLUME (gallons)	TEMP (degrees F)	E.C. (uS/cm) X1000	pH (units)	COLOR (visual)*	TURBIDITY (visual)**	TOTALIZE (gallons)
0935	7	70.0	1920	8.00	Clear	Trace	
0940	14	68.0	1936	7.94	"	"	
0944	21	66.5	1960	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: 1 liter amber, none: 16 ox poly, HNO3:

WATER LEVEL ONLY. NO SAMPLE COLLECTED: REVIEWED BY: [signature] DATE: 10/19/04

APPENDIX C

Waste Disposal Documents

5 NO. 23724

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

GENERATING SITE

NAME: BP West Coast Products LLC — ARCO STATION # 5041

ADDRESS: P.O. Box 80249 — 6801 RESEDA BLVD.

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

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

CONTAINERS: No. 1 GALLONS X 147 Gallons WEIGHT _____

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

WASTE DESCRIPTION: NON-HAZARDOUS WATER GENERATING PROCESS: GROUNDWATER SAMPLING

COMPONENTS OF WASTE	PPM	%	COMPONENTS OF WASTE	PPM	%
1. WATER		99-100%	4.		
2. TPH		< 1%	5.		
3.			6. BESI # 104709		

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

HANDLING INSTRUCTIONS: WEAR APPROPRIATE PROTECTIVE CLOTHING

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

Larry Moothart as Agent of BP West Coast Products LLC — 10/07/04

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 10/07/04

PHONE NO. (714) 990-6855

TRUCK, UNIT, I.D. NO. X 207 — 10/07/04

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

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

ADDRESS: 2000 N. Alameda Street

CITY, STATE, ZIP: Compton, CA 90222

PHONE NO. 310-537-7100

DISPOSAL METHOD: [ ] LANDFILL [X] RECYCLER

Recycler

JOSE RANOS — 10/12/04

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

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