11/6 Jec

enviros®

[illegible] -3 PM 1:50

November 2, 1995

Mr. Lynn Walker
Shell Oil Products Company
P.O. Box 4023
Concord, California 94524

RE: **Groundwater Monitoring Report - Third Quarter 1995**
Former Shell Service Station
7194 Amador Valley Boulevard
Dublin, California
WIC #204-2217-0105

Dear Mr. Walker:

This Quarterly Monitoring Report describes the recently completed activities associated with groundwater monitoring and sampling at the referenced site (Plate 1). This report was prepared to meet quarterly reporting guidelines issued by the Regional Water Quality Control Board, San Francisco Bay Region and the Alameda County Health Care Services Agency (ACHCSA).

Quarterly Monitoring & Sampling Summary

Groundwater monitoring and well sampling for the third quarter of 1995 are summarized below:

Blaine Tech Services, Inc. measured water levels in existing wells and collected groundwater samples from Wells MW-1 through MW-9, MW-11 and MW-13. Groundwater samples were transported to National Environmental Testing, Inc. (NET) in Santa Rosa, California for laboratory analysis.

- Enviros, Inc. (Enviros) evaluated water-level measurement data and prepared a groundwater contour map (Plate 3). Groundwater flow direction across the Shell site is generally to the east with a hydraulic gradient ranging between 0.01 and 0.0006.

- Wells MW-1, MW-5 MW-7, MW-8, MW-9, and MW-11 were ND for TPH-G and benzene. Well MW-2 was ND for TPH-G and contained 20 parts per billion (ppb) benzene. Wells MW-3, MW-4, MW-6, MW-13 contained Total Petroleum Hydrocarbons calculated as Gasoline (TPH-G) at concentrations ranging from 70 to 930 ppb. Benzene concentrations in these wells ranged from 2.4 to 320 ppb. A benzene concentration map was prepared and is presented on Plate 4.

Enviros, Inc 270 Perkins Street P.O. Box 259 Sonoma California 95476-0259 Tel 707 / 935-4850 Fax 707 / 935-6649

Third Quarter Sampling

Monitoring Wells MW-1 through MW-9, MW-11, and MW-13 were sampled and analyzed for Total Petroleum Hydrocarbons calculated as Gasoline (TPH-G) according to EPA Method 8015 (Modified) and Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) according to EPA Method 8020. Additionally, a duplicate sample, a trip blank, and an equipment blank were prepared and analyzed for quality control purposes.

Field monitoring data are summarized in Table 1. The chemical analytical data for TPH-G and BTEX have been included in the Historical Groundwater Quality Database (Table 2). The Blaine Tech Quarterly Groundwater Monitoring Report is presented in Appendix A. Groundwater levels were also measured at the Unocal Service Station site and former Mobil Service Station site (Appendix B), concurrent with the Shell sampling event. These data were used collectively with water levels from the former Shell site to contour groundwater elevation. Data from the ARCO station sampling were not available this quarter.

A reduction in sampling frequency was approved by the ACHCSA. This will be implemented during the 4th Quarter of 1995. Wells remaining on the sampling program will be sampled semi-annually, in the first and third quarters.

If you have any questions regarding the contents of this document, please call.

Sincerely,

Enviros, Inc.

JW Neely for

Greg L. Vaughan
Staff Engineer

Diane M. Lundquist

Diane M. Lundquist, P.E.
Senior Engineer
C46725

Attachments

Table 1. Field Monitoring Data
Table 2. Historical Groundwater Quality Database

Plate 1. Vicinity Map
Plate 2. Site Plan
Plate 3. Groundwater Contour Map
Plate 4. Benzene Concentration Map

Appendix A

Fugro West, Inc. - Quarterly Groundwater Sampling Report
Chain-of-Custody Document
Sequoia Chemical Analytical Report

Appendix B

MPDS Groundwater Measurements (Unocal Site)
Alisto Engineering Group Groundwater Measurements (Former Mobil Site)

cc: Ms. Eva Chu, Alameda County Health Care Services

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-1	9-May-88	4.0	334.83	8.72		326.11
	26-Aug-88			9.15		325.68
	5-Oct-88			8.54		326.29
	22-Nov-88			9.31		325.52
	9-Dec-88			9.33		325.50
	13-Jan-89			NM		NM
	10-Feb-89			8.51		326.32
	2-Mar-89			8.71		326.12
	4-Apr-89			7.93		326.90
	1-May-89			8.43		326.40
	1-Jun-89			8.56		326.27
	29-Jun-89			8.60		326.23
	9-Aug-89			8.43		326.40
	11-Sep-89			8.65		326.18
	10-Oct-89			8.52		326.31
	25-Oct-89			8.56		326.27
	20-Dec-89			8.80		326.03
	17-Jan-90			8.47		326.36
	23-Feb-90			8.25		326.58
	4-Jun-90			8.62		326.21
	20-Nov-90			9.50		325.33
	12-Feb-91			9.51		325.32
	6-May-91			8.34		326.49
	28-Aug-91			9.28		325.55
	13-Nov-91			9.59		325.24
	25-Feb-92			7.49		327.34
	12-May-92			8.64		326.19
	12-Aug-92			9.15		325.68
	10-Nov-92			10.04		324.79
	10-Feb-93			7.24		327.59
	10-May-93			7.78		327.05
	12-Aug-93			8.54		326.29
	11-Nov-93			8.56		326.27
	11-Feb-94			8.62		326.21
	17-May-94			7.96		326.87
	25-Aug-94			9.24		325.59
	23-Nov-94			8.74		326.09
	15-Feb-95			6.84		327.99
	24-May-95			7.91		326.92

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-1 (cont.)	25-Aug-95			8.11		326.72
MW-2	9-May-88	4.0	336.96	10.85		326.11
	26-Aug-88			11.29		325.67
	5-Oct-88			10.83		326.13
	22-Nov-88			11.42		325.54
	9-Dec-88			11.45		325.51
	13-Jan-89			NM		NM
	10-Feb-89			10.74		326.22
	2-Mar-89			10.91		326.05
	4-Apr-89			10.06		326.90
	1-May-89			10.58		326.38
	31-May-89			10.73		326.23
	28-Jun-89			10.90		326.06
	8-Aug-89			10.78		326.18
	8-Sep-89			10.97		325.99
	9-Oct-89			10.88		326.08
	24-Oct-89			11.00		325.96
	21-Dec-89			11.06		325.90
	17-Jan-90			10.78		326.18
	23-Feb-90			10.35		326.61
	4-Jun-90			10.72		326.24
	20-Nov-90			11.35		325.61
	12-Feb-91			11.64		325.32
	6-May-91			10.05		326.91
	28-Aug-91			11.16		325.80
	13-Nov-91			11.57		325.39
	25-Feb-92			9.66		327.30
	12-May-92			10.97		325.99
	12-Aug-92			11.58		325.38
	10-Nov-92			12.05		324.91
	10-Feb-93			9.28		327.68
	10-May-93			9.65		327.31
	12-Aug-93			10.70		326.26
	11-Nov-93			11.36		325.60
	11-Feb-94			11.04		325 92
	17-May-94			10.29		326.67
	25-Aug-94			11.29		325.67
	23-Nov-94			10.92		326.04
	15-Feb-95			8.90		328.06

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-2 (cont.)	24-May-95			10.02		326.94
	25-Aug-95			10.24		326.72
MW-3	9-May-88	4.0	336.96	10.59		326.37
	26-Aug-88			11.10		325.86
	5-Oct-88			10.43		326.53
	22-Nov-88			11.16		325.80
	9-Dec-88			11.24		325.72
	13-Jan-89			NM		NM
	10-Feb-89			10.43		326.53
	2-Mar-89			10.59		326.37
	4-Apr-89			9.45		327.51
	1-May-89			10.20		326.76
	1-Jun-89			10.40		326.56
	28-Jun-89			10.60		326.36
	9-Aug-89			10.64		326.32
	11-Sep-89			10.83		326.13
	10-Oct-89			10.95		326.01
	26-Oct-89			10.86		326.10
	21-Dec-89			11.09		325.87
	17-Jan-90			10.90		326.06
	23-Feb-90			10.52		326.44
	4-Jun-90			10.52		326.44
	20-Nov-90			12.65		324.31
	12-Feb-91			11.16		325.80
	6-May-91		336.93	9.85		327.08
	28-Aug-91			10.90		326.03
	13-Nov-91			11.28		325.65
	25-Feb-92			9.04		327.89
	12-May-92			10.50		326.43
	12-Aug-92			10.94		325.99
	10-Nov-92			11.84		325.09
	10-Feb-93			8.82		328.11
	10-May-93			8.88		328.05
	12-Aug-93			10 36		326.57
	11-Nov-93			10.64		326.29
	11-Feb-94			10.68		326.25
	17-May-94			9.92		327.01
	25-Aug-94			11.30		325.63
	23-Nov-94			10.48		326.45
	15-Feb-95			8.35		328.58

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-3 (cont.)	24-May-95			9.67		327.26
	25-Aug-95			9.36		327.57
MW-4	9-May-88	4.0	337.14	10.88		326.26
	26-Aug-88			11.34		325.80
	5-Oct-88			10.87		326.27
	22-Nov-88			11.41		325.73
	9-Dec-88			11.46		325.68
	13-Jan-89			NM		NM
	10-Feb-89			10.78		326.36
	2-Mar-89			10.92		326.22
	4-Apr-89			10.04		327.10
	1-May-89			10.52		326.62
	31-May-89			10.62		326.52
	28-Jun-89			11.00		326.14
	9-Aug-89			10.92		326.22
	8-Sep-89			11.05		326.09
	10-Oct-89			10.97		326.17
	26-Oct-89			11.35		325.79
	21-Dec-89			11.07		326.07
	17-Jan-90			11.08		326.06
	23-Feb-90			10.90		325.24
	4-Jun-90			10.74		326.40
	20-Nov-90			11.45		325.69
	12-Feb-91			11.50		325.64
	6-May-91			10.04		327.10
	28-Aug-91			11.18		325.96
	13-Nov-91			11.60		325.54
	25-Feb-92			9.45		327.69
	12-May-92			10.84		326.30
	12-Aug-92			11.36		325.78
	10-Nov-92			12.12		325.02
	10-Feb-93			9.40		327.74
	10-May-93			9.54		327.60
	12-Aug-93			10.68		326.46
	11-Nov-93			11.97		325 17
	11-Feb-94			10.71		326.43
	17-May-94			10.30		326.84
	25-Aug-94			10.84		326.30
	23-Nov-94			10.78		326.36
	15-Feb-95			9.49		327.65

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-4 (cont.)	24-May-95			10.73		326.41
	25-Aug-95			10.22		326.92
MW-5	26-Aug-88	4.0	334.96	9.10		325.86
	5-Oct-88			9.95		325.01
	22-Nov-88			8.93		326.03
	9-Dec-88			10.48		324.48
	13-Jan-89			NM		NM
	10-Feb-89			10.35		324.61
	2-Mar-89			8.50		326.46
	5-Apr-89			7.72		327.24
	1-May-89			8.21		326.75
	1-Jun-89			8.40		326.56
	29-Jun-89			8.65		326.31
	9-Aug-89			8.76		326.20
	11-Sep-89			8.80		326.16
	10-Oct-89			11.92		323.04
	25-Oct-89			9.03		325.93
	20-Dec-89			11.26		323.70
	18-Jan-90			9.95		325.01
	23-Feb-90			8.30		326.66
	4-Jun-90			8.57		326.39
	20-Nov-90			9.45		325.51
	11-Feb-91			9.27		325.69
	6-May-91			7.90		327.06
	28-Aug-91			9.28		325.68
	13-Nov-91			9.36		325.60
	25-Feb-92			9.02		325.94
	12-May-92			8.65		326.31
	12-Aug-92			9.40		325.56
	10-Nov-92			9.68		325.28
	10-Feb-93			7.97		326.99
	10-May-93			7.76		327.20
	12-Aug-93			8.75		326.21
	11-Nov-93			9.32		325.64
	11-Feb-94			8.97		325.99
	17-May-94			8.12		326.84
	25-Aug-94			9.19		325.77
	23-Nov-94			8.78		326.18
	15-Feb-95			6.88		328.08
	24-May-95			8.04		326.92

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-5 (cont.)	25-Aug-95			8.34		326.62
MW-6	26-Aug-88	4.0	335.42	9.69		325.73
	5-Oct-88			9.27		326.15
	22-Nov-88			9.77		325.65
	9-Dec-88			9.85		325.27
	13-Jan-89			NM		NM
	10-Feb-89			9.10		326.32
	2-Mar-89			9.29		326.13
	4-Apr-89			8.48		326.94
	1-May-89			8.90		326.52
	1-Jun-89			9.16		326.26
	29-Jun-89			9.30		326.12
	9-Aug-89			9.30		326.12
	11-Sep-89			9.31		326.11
	10-Oct-89			9.32		326.10
	24-Oct-89			9.30		326.12
	20-Dec-89			9.58		325.84
	18-Jan-90			9.46		325.96
	23-Feb-90			8.94		326.48
	4-Jun-90			9.22		326.20
	20-Nov-90			9.65		325.77
	12-Feb-91			9.85		325.57
	6-May-91			9.12		326.30
	28-Aug-91			9.68		325.74
	13-Nov-91			10.00		325.42
	25-Feb-92			8.44		326.98
	12-May-92			9.11		326.31
	12-Aug-92			9.72		325.70
	10-Nov-92			10.56		324.86
	10-Feb-93			7.65		327.77
	10-May-93			8.10		327.32
	12-Aug-93			9.18		326.24
	11-Nov-93			9.38		326.04
	11-Feb-94			9.02		326.40
	17-May-94			8.58		326 84
	25-Aug-94			9.79		325.63
	23-Nov-94			9.20		326.22
	15-Feb-95			7.36		328.06
	24-May-95			8.80		326.62
	25-Aug-95			8.50		326.92

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-7	26-Aug-88	4.0	333.23	7.94		325.29
	5-Oct-88			7.54		325.69
	22-Nov-88			NM		NM
	9-Dec-88			7.53		325.70
	13-Jan-89			NM		NM
	10-Feb-89			6.62		326.61
	2-Mar-89			7.03		326.20
	5-Apr-89			6.80		326.43
	1-May-89			6.53		326.70
	31-May-89			6.93		326.30
	28-Jun-89			6.85		326.38
	9-Aug-89			6.67		326.56
	7-Sep-89			6.90		326.33
	10-Oct-89			6.90		326.33
	24-Oct-89			7.29		325.94
	20-Dec-89			7.47		325.76
	18-Jan-90			7.49		325.74
	23-Feb-90			6.92		326.31
	4-Jun-90			6.95		326.28
	20-Nov-90			8.10		325.13
	11-Feb-91			8.04		325.19
	6-May-91			6.37		325.86
	28-Aug-91			7.94		325.29
	13-Nov-91			8.41		324.82
	25-Feb-92			6.99		326.24
	12-May-92			7.42		325.81
	12-Aug-92			8.65		324.58
	10-Nov-92			8.82		324.41
	10-Feb-93			6.06		327.17
	10-May-93			6.68		326.55
	12-Aug-93			6.83		326.40
	11-Nov-93			6.90		326.33
	11-Feb-94			6.12		327.11
	17-May-94			6.06		327.17
	25-Aug-94			6.76		326.47
	23-Nov-94			6.75		326.48
	15-Feb-95			5 40		327.83
	24-May-95			6.82		326.41
	25-Aug-95			6.46		326.77
MW-8	1-Mar-89	4.0	335.80	8.28		327.52

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-8 (cont.)	4-Apr-89			7.31		328.49
	1-May-89			8.97		326.83
	31-May-89			9.17		326.63
	28-Jun-89			9.40		326.40
	8-Aug-89			9.42		326.28
	7-Sep-89			8.50		327.30
	10-Oct-89			9.46		326.34
	26-Oct-89			9.56		326.24
	21-Dec-89			9.57		326.23
	18-Jan-90			9.29		326.51
	26-Feb-90			8.50		327.30
	4-Jun-90			9.04		326.76
	11-Feb-91			9.40		326.40
	6-May-91			8.70		327.10
	28-Aug-91			9.68		326.12
	13-Nov-91			9.87		326.93
	25-Feb-92			7.45		328.35
	12-May-92			9.19		326.61
	12-Aug-92			9.82		325.98
	10-Nov-92			10.41		325.39
	10-Feb-93			7.35		328.45
	10-May-93			8.00		327.80
	12-Aug-93			9.00		326.80
	11-Nov-93			9.47		326.33
	11-Feb-94			8.80		327.00
	17-May-94			8.21		327.59
	25-Aug-94			9.52		326.28
	23-Nov-94			9.08		326.72
	15-Feb-95			6.67		329.13
	24-May-95			7.56		328.24
	25-Aug-95			8.60		327.20
MW-9	1-Mar-89	4.0	334.57	8.48		326.09
	4-Apr-89			7.69		326.88
	1-May-89			8.20		326.37
	31-May-89			8.72		325.85
	28-Jun-89			9.00		325.57
	8-Aug-89			8.53		326.04
	7-Sep-89			8.99		325.58
	9-Oct-89			8 89		325.68
	23-Oct-89			9.02		325.55

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-9 (cont.)	21-Dec-89			9.48		325.09
	18-Jan-90			8.73		325.84
	26-Feb-90			9.06		325.51
	4-Jun-90			8.64		325.93
	20-Nov-90			9.95		324.62
	11-Feb-91			9.85		324.72
	6-May-91			10.05		324.52
	28-Aug-91			10.34		324.23
	13-Nov-91			9.39		325.18
	25-Feb-92			7.18		327.39
	12-May-92			8.54		326.03
	12-Aug-92			8.97		325.60
	10-Nov-92			9.61		324.96
	10-Feb-93			7.20		327.37
	10-May-93			7.56		327.01
	12-Aug-93			8.25		326.32
	11-Nov-93			10.30		324.27
	11-Feb-94			8.88		325.69
	17-May-94			8.06		326.51
	25-Aug-94			8.79		325.78
	23-Nov-94			8.65		325.92
	15-Feb-95			7.36		327.21
	24-May-95			7.75		326.82
	25-Aug-95			7.90		326.67
MW-10	2-Mar-89	4.0	335.37	8.95		326.42
	4-Apr-89			7.89		327.48
	1-May-89			9.07		326.30
	1-Jun-89			8.86		326.51
	29-Jun-89			9.05		326.32
	9-Aug-89			9.70		326.67
	7-Sep-89			8.14		327.23
	10-Oct-89			9.21		326.16
	26-Oct-89			9.60		325.77
	20-Dec-89			9 42		325.95
	1-Jun-90			----------	Well Destroyed	----------
MW-11	2-Mar-89	4.0	334.20	8 30		325.90
	4-Apr-89			7.52		325.68
	1-May-89			7.97		326.23
	20-Nov-90			NM		NM
	31-May-90			8.13		326.07

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-11 (cont.)	28-Jun-89			8.30		325.90
	8-Aug-89			8.22		325.98
	7-Sep-89			8.32		325.88
	9-Oct-89			8.28		325.92
	24-Oct-89			8.38		325.82
	20-Dec-89			8.48		325.72
	18-Jan-90			8.20		326.00
	26-Feb-90			7.86		326.34
	4-Jun-90			8.13		326.07
	20-Nov-90			8.83		325.37
	11-Feb-90			8.95		325.25
	6-May-91			7.71		326.49
	28-Aug-91			8.62		325.58
	15-Nov-91			8.99		325.21
	25-Feb-92			7.21		326.99
	12-May-92			8.26		325.94
	12-Aug-92			8.75		325.45
	10-Nov-92			9.47		324.73
	10-Feb-93			6.79		327.41
	10-May-93			7.18		327.02
	12-Aug-93			8.10		326.10
	11-Nov-93			8.56		325.64
	11-Feb-94			8.21		325.99
	17-May-94			7.61		326.59
	25-Aug-95			8.68		325.52
	23-Nov-94			8.27		325.93
	15-Feb-95			6.46		327.74
	24-May-95			7.69		326.51
	25-Aug-95			7.70		326.50
MW-12	2-Mar-89	4.0	332.53	6.94		325.59
	4-Apr-89			6.33		326.20
	1-May-89			6.62		325.91
	1-Jun-89			6.82		325.71
	29-Jun-89			7.00		325.53
	9-Aug-89			6.76		325.77
	7-Sep-89			6.81		325.72
	9-Oct-89			7.11		325.42
	24-Oct-89			7.60		324.93
	20-Dec-89			8.25		324.28
	18-Jan-90			8.23		324.30

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
MW-12 (cont.)	26-Feb-90			7.54		324.99
	4-Jun-90			7.96		324.57
	20-Nov-90			8.80		323.73
	12-Feb-90			7.85		324.68
	6-May-91			7.35		325.18
	28-Aug-91			7.79		324.74
	13-Nov-91			7.89		324.64
	25-Feb-92			6.14		326.39
	12-May-92			7.54		324.99
	12-Aug-92			9.83		322.70
	10-Nov-92			8.32		324.21
	10-Feb-93			6.75		325.78
	10-May-93			------ Well Inaccessible -----		
	12-Aug-93			6.23		326.30
	11-Nov-93			7.43		325.10
	11-Feb-94			7.18		325.35
	17-May-94			6.80		325.73
	25-Aug-94			7.24		325.29
	23-Nov-94			7.16		325.37
	15-Feb-95			5.16		327.37
	24-May-95			6.95		325.58
	25-Aug-95			5.63		326.90
MW-13	6-May-91	4.0	335.64	8.37		327.27
	28-Aug-91			9.82		325.82
	13-Nov-91			10.19		325.45
	25-Feb-92			7.66		327.98
	12-May-92			9.16		326.48
	12-Aug-92			10.91		324.73
	10-Nov-92			10.69		324.95
	10-Feb-93			7.49		328.15
	10-May-93			8.06		327.58
	12-Aug-93			8.73		326.91
	11-Nov-93			9.15		326.49
	11-Feb-94			9.12		326.52
	17-May-94			8.62		327.02
	25-Aug-94			9.32		326.32
	23-Nov-94			9 37		326.27
	15-Feb-95			8.42		327.22
	24-May-95			9.90		325.74
	25-Aug-95			8.32		327.32

TABLE 1

FIELD MONITORING DATA

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
RW-1	9-Dec-89	6.0	336.19	10.73		325.46
	13-Jan-89			NM		NM
	10-Feb-89			10.91		325.28
	2-Mar-89			10.15		325.04
	5-Apr-89			9.34		326.85
	1-May-89			9.85		326.34
	1-Jun-89			9.96		326.23
	30-Jun-89			9.90		326.29
	9-Aug-89			9.80		326.39
	11-Sep-89			10.02		326.17
	10-Oct-89			9.88		326.31
	25-Oct-89			9.80		326.39
	21-Dec-89			10.25		325.94
	17-Jan-89			9.80		326.39
	23-Feb-90			9.60		326.59
	4-Jun-90			9.97		326.22
	20-Nov-90			10.50		325.69
	11-Feb-91			10.87		325.32
	25-Feb-92			----- Well Not Gauged -----		
	12-May-92			NM		NM
	12-Aug-92			NM		NM
	10-Nov-92			NM		NM
	10-May-93			9.26		326.93
	12-Aug-93			NM		NM
	11-Nov-93			NM		NM
	11-Feb-94			9.98		326.21
	17-May-94			9.29		326.90
	25-Aug-94			10.56		325.63
	23-Nov-94			10.07		326.12
	15-Feb-95			8.20		327.99
	24-May-95			9.66		326.53
	25-Aug-95			9.37		326.82

Notes

Elevations referenced to Mean Sea Level
Depth to water measured from top of casing
NM = Not measured

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-1	9-May-88	440	120	50	NR	120
	26-Aug-88	200,000	4,400	260	300	450
	5-Oct-88	17,000	6,700	360	210	730
	22-Nov-88	8,000	3,900	830	250	340
	9-Dec-88	11,000	790	36	7.3	68
	13-Jan-89	8,800	3,800	110	330	90
	10-Feb-89	18,000	4,700	400	660	190
	2-Mar-89	14,000	6,100	770	320	440
	4-Apr-89	11,000	4,800	770	270	780
	1-May-89	11,000	2,800	880	410	780
	1-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	29-Jun-89	4,700	310	160	75	260
	9-Aug-89	12,000	1,300	620	830	680
	11-Sep-89	<50	<0.5	<0.5	<0.5	2.2
	10-Oct-89	8,700	1,100	310	180	590
	25-Oct-89	7,500	660	250	460	480
	20-Dec-89	6,200	270	110	260	220
	17-Jan-90	7,400	200	170	160	260
	23-Feb-90	1,500	130	13	30	24
	4-Jun-90	830	88	10	2.6	28
	20-Nov-90	NA	NA	NA	NA	NA
	12-Feb-91	1,500	180	39	82	110
	6-May-91	510	41	11	25	35
	28-Aug-91	450	41	16	24	34
	13-Nov-91	320	41	14	23	33
	25-Feb-92	240	24	9.2	14	20
	12-May-92	320	60	25	29	41
	12-Aug-92	230	26	16	20	25
	12-Aug-92(D)	220	25	16	19	24
	10-Nov-92	120	13	8.8	9.0	13
	10-Feb-93	80	3.3	2.9	2.4	5.1
	10-May-93	100	8.5	5.5	5.2	10
	12-Aug-93	130	10	11	8.3	32
	11-Nov-93	<50	<0.5	<0.5	<0.5	<0.5
	11-Feb-94	110b	12	4.6	6.4	13
	17-May-94	<50	0.53	<0.5	<0.5	0.71
	25-Aug-94	<50	<0.5	<0.5	<0.5	<0.5
	23-Nov-94	<50	0.9	<0.5	<0.5	<0.5
	15-Feb-95	330	2.7	1.3[b]	1.5	2.3
	24-May-95	<50	<0.5	<0.5	<0.5	<0.5
	25-Aug-95	<50	<0.5	<0.5	<0.5	<0.5

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-2	9-May-88	<50	<0.5	<0.5	NR	<0.5
	26-Aug-88	1,700	230	16	87	120
	5-Oct-88	200	20	2.3	8.3	12
	22-Nov-88	800	93	1.6	4.3	60
	9-Dec-88	270	45	3.6	7.2	14
	13-Jan-89	180	26	2.3	17	7.0
	10-Feb-89	320	43	1.7	34	15
	2-Mar-89	230	24	0.9	9.2	18
	4-Apr-89	230	53	2.3	7.1	20
	1-May-89	<50	2.7	<0.5	<0.5	<0.5
	31-May-89	120	14	<0.5	3.9	7.6
	28-Jun-89	<50	4.1	<0.5	<0.5	<0.5
	8-Aug-89	88	3.9	<0.5	<0.5	<0.5
	8-Sep-89	<50	3.2	<0.5	<0.5	<0.5
	9-Oct-89	110	6.7	<0.5	<0.5	<0.5
	24-Oct-89	<50	2.5	<0.5	<0.5	1.9
	21-Dec-89	<50	7.1	<0.5	5.0	9.8
	17-Jan-90	<50	4.4	<0.5	1.6	1.4
	23-Feb-90	70	6.3	<0.5	2.7	2.5
	4-Jun-90	60	2.4	<0.5	0.8	<0.5
	20-Nov-90	60	5.6	<0.5	<0.5	<0.5
	12-Feb-91	130	14	<0.5	0.9	0.5
	6-May-91	60	1.5	<0.5	5.0	<0.5
	28-Aug-91	100	6.3	<0.5	1	1.1
	13-Nov-91	<50	11	<0.5	1.3	<0.5
	25-Feb-92	<50	3.8	<0.5	<0.5	<0.5
	12-May-92	<50	6	<0.5	<0.5	<0.5
	12-Aug-92	110	6.8	<0.5	1.0	<0.5
	10-Nov-92	56	4.5	<0.5	<0.5	<0.5
	10-Feb-93	81	4.8	0.6	1.4	1.9
	10-May-93	90	0.8	0.8	0.6	3.2
	12-Aug-93	420	61	18	21	53
	11-Nov-93	<50	<0.5	<0.5	<0.5	<0.5
	11-Feb-94	<50	0.64	<0.5	<0.5	<0.5
	17-May-94	<50	3	<0 5	<0.5	0.51
	25-Aug-94	<50	17	<0.5	<0.5	<0.5
	23-Nov-94	<50	9.3	<0.5	<0.5	<0.5
	15-Feb-95	160	4.4	1.1[b]	0.6	1 5
	24-May-95	70	3.9	<0.5	1.4	<0.5
	25-Aug-95	<50	20	<0.5	<0.5	<0.5

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-3	9-May-88	76	10	4.4	NR	15
	26-Aug-88	5,200	170	6.0	32	54
	5-Oct-88	260	100	2.7	5.8	7.0
	22-Nov-88	180	75	1.4	8.1	4.0
	9-Dec-88	160	5	5.9	<0.5	<0.5
	13-Jan-89	160	36	1.2	3.0	2.0
	10-Feb-89	300	83	<0.5	8.6	8.0
	2-Mar-89	570	160	1.0	17	9.0
	4-Apr-89	150	64	0.8	2.7	6.0
	1-May-89	130	48	1.2	3.4	2.0
	1-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	28-Jun-89	90	68	0.7	<0.5	5.1
	9-Aug-89	150	23	5.3	2.6	<0.5
	11-Sep-89	<50	<0.5	<0.5	<0.5	<0.5
	10-Oct-89	80	6.4	0.72	<0.5	<0.5
	26-Oct-89	150	11	<0.5	1.6	<0.5
	21-Dec-89	<50	6.8	<0.5	<0.5	<0.5
	17-Jan-90	<50	4.0	<0.5	6.8	<0.5
	23-Feb-90	50	10	<0.5	1.2	0.9
	4-Jun-90	80	10	<0.5	1.4	<0.5
	20-Nov-90	100	26	0.7	1.2	1.9
	12-Feb-91	130	27	<0.5	<0.5	<0.5
	6-May-91	120	31	0.8	2.1	0.8
	28-Aug-91	340	87	1.1	6.5	3.8
	13-Nov-91	240	140	<0.5	3.1	0.9
	25-Feb-92	80	17	<0.5	<0.5	<0.5
	12-May-92	74	31	<0.5	2.6	<0.5
	12-Aug-92	160	24	0.5	2.9	<0.5
	10-Nov-92	130	27	<0.5	1.1	0.9
	10-Nov-92(D)	110	2.6	<0.5	1.1	0.7
	10-Feb-93	92	5.7	<0.5	<0.5	<0.5
	10-Feb-93(D)	80	5.2	<0.5	<0.5	<0.5
	10-May-93	250	100	<0.5	<0.5	<0.5
	10-May-93(D)	200	80	<0.5	2.4	<0.5
	12-Aug-93	380	110	16	13	43
	11-Nov-93	170	35	8.0	29	9.2
	11-Feb-94	76c	23	<0 5	<0.5	<0.5
	17-May-94	84d	26	<0 5	2.2	<0.5
	25-Aug-94	<50	7.7	<0.5	0.6	<0 5
	25-Aug-94(D)	<50	14	<0.5	1.5	<0.5
	23-Nov-94	<50	2.7	<0.5	<0.5	<0.5

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-3 (cont.)	15-Feb-95	50	19	0.9[b]	1.4	1.5
	24-May-95	380	200	1.7	<0.5	0.6
	25-Aug-95	70	22	<0.5	4.1	<0.5
	25-Aug-95 (D)	70	37	<0.5	6.2	<0.5
MW-4	9-May-88	290	76	33	NA	150
	26-Aug-88	210	640	41	110	160
	5-Oct-88	450	110	6.3	16	20
	22-Nov-88	500	110	4.0	20	27
	9-Dec-88	260	920	7.5	5.9	11
	13-Jan-89	990	200	6.5	46	14
	10-Feb-89	290	90	3.6	8.8	9.0
	2-Mar-89	630	210	6.2	34	7.0
	4-Apr-89	640	340	13	25	40
	1-May-89	100	65	2.0	3.0	4.0
	31-May-89	60	<0.5	<0.5	<0.5	<0.5
	28-Jun-89	110	62	1.3	<0.5	4.8
	9-Aug-89	160	110	2.0	6.4	<0.5
	8-Sep-89	94	45	0.5	3.8	<0.5
	10-Oct-89	90	30	1.0	1.9	<0.5
	26-Oct-89	<50	3.4	<0.5	<0.5	<0.5
	21-Dec-89	<50	35	1.1	3.6	1.6
	17-Jan-90	<50	4.0	<0.5	6.8	<0.5
	23-Feb-90	<50	8.0	<0.5	1.1	0.7
	4-Jun-90	160	85	1.1	1.9	<0.5
	20-Nov-90	140	52	1.0	0.8	0.9
	12-Feb-91	130	48	<0.5	1.5	<0.5
	6-May-91	140	49	1.3	4.1	1.7
	28-Aug-91	90	13	<0.5	1.0	1.1
	13-Nov-91	<50	10	<0.5	<0.5	<0.5
	25-Feb-92	120	47	<0.5	0.5	0.5
	12-May-92	Well Sampled Semiannually				
	12-Aug-92	<50	3.5	<0.5	<0.5	<0.5
	10-Nov-92	Well Sampled Semiannually				
	11-Feb-93	190	59	3.2	3.6	3.1
	10-May-93	Well Sampled Semiannually				
	12-Aug-93	50	4.1	1.1	1.3	3.2
	11-Nov-93	Well Sampled Semiannually				
	11-Feb-93	<50	0.62	<0.5	<0.5	<0.5
	17-May-94	Well Sampled Semiannually				
	25-Aug-94	<50	<0.5	<0.5	<0.5	<0.5
	23-Nov-94	Well Sampled Semiannually				

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-4 (cont.)	15-Feb-95	<50	13	0.9[b]	<0.5	1.5
	24-May-95	---------- Well Sampled Semiannually ----------				
	25-Aug-95	<50	2.4	<0.5	<0.5	<0.5
MW-5	26-Aug-88	210	6.0	44	9.0	19
	5-Oct-88	7,500	2,700	<0.5	110	590
	22-Nov-88	150	21	26	3.0	2.0
	9-Dec-88	240	37	2.2	6.7	7.7
	13-Jan-89	80	1.6	<0.5	7.7	2.0
	10-Feb-89	60	<0.5	<0.5	<0.5	<0.5
	2-Mar-89	<50	<0.5	<0.5	<0.5	<0.5
	5-Apr-89	<50	<0.5	<0.5	<0.5	<0.5
	1-May-89	<50	1.3	<0.5	<0.5	<0.5
	1-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	29-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	9-Aug-89	89	8.5	1.8	1.5	2.2
	11-Sep-89	1,100	7.8	1.4	<0.5	6.3
	10-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	25-Oct-89	<50	1.4	<0.5	<0.5	1.6
	20-Dec-89	<50	<0.5	<0.5	<0.5	<0.5
	18-Jan-90	<50	<0.5	<0.5	<0.5	<0.5
	23-Feb-90	<50	<0.5	<0.5	0.6	<0.5
	4-Jun-90	<50	<0.5	<0.5	<0.5	<0.5
	20-Nov-90	<50	<0.5	<0.5	<0.5	1.0
	11-Feb-91	<50	<0.5	<0.5	<0.5	<0.5
	6-May-91	<50	<0.5	<0.5	<0.5	<0.5
	28-Aug-91	<50	<0.5	<0.5	<0.5	1.0
	13-Nov-91	<50	<0.5	<0.5	<0.5	<0.5
	25-Feb-92	<50	<0.5	<0.5	<0.5	<0.5
	12-May-92	<50	<0.5	<0.5	<0.5	<0.5
	12-Aug-92	56	0.5	<0.5	<0.5	<0.5
	10-Nov-92	<50	<0.5	<0.5	<0.5	<0.5
	11-Feb-93	<50	<0.5	<0.5	<0.5	<0.5
	10-May-93	<50	1.5	<0.5	1.2	5.2
	16-Sep-93	<50	<0.5	<0.5	<0.5	<0.5
	11-Nov-93	<50	12	<0.5	1.2	<0.5
	11-Feb-94	<50	<0.5	<0.5	<0.5	<0.5
	17-May-94	<50	<0.5	<0.5	<0.5	<0.5
	25-Aug-94	<50	<0.5	<0.5	<0.5	<0.5
	23-Nov-94	<50	<0.5	<0.5	<0.5	<0.5
	15-Feb-95	<50	<0.5	<0.5	<0.5	<0.5
	24-May-95	<50	<0.5	<0.5	<0.5	<0.5

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-5 (cont.)	25-Aug-95	<50	<0.5	<0.5	<0.5	<0.5
MW-6	26-Aug-88	15,000	390	390	670	1,700
	5-Oct-88	2,700	130	38	960	220
	22-Nov-88	NA	NA	NA	NA	NA
	9-Dec-88	540	62	3	26	5
	13-Jan-89	980	160	22	120	29
	10-Feb-89	1,900	290	24	93	48
	2-Mar-89	1,400	160	20	130	33
	4-Apr-89	1,200	220	27	74	69
	1-May-89	790	120	11	25	17
	1-Jun-89	1,200	49	49	69	30
	29-Jun-89	940	130	15	69	35
	9-Aug-89	1,400	280	39	170	64
	11-Sep-89	<50	<0.5	<0.5	<0.5	<0.5
	10-Oct-89	1,000	85	11	12	16
	24-Oct-89	1,500	67	20	50	39
	20-Dec-89	<50	4.9	5.1	<0.5	<0.5
	18-Jan-90	<50	67	12	48	18
	23-Feb-90	1.0	150	16	47	30
	4-Jun-90	190	<0.5	<0.5	<0.5	0.6
	20-Nov-90	730	120	12	39	21
	12-Feb-91	550	65	10	33	16
	6-May-91	550	72	11	38	23
	28-Aug-91	580	82	7.6	28	20
	13-Nov-91	430	60	7.6	20	12
	25-Feb-92	400	52	6.6	18	11
	12-May-92	950	260	36	12	49
	12-Aug-92	660	90	15	55	18
	10-Nov-92	350	23	3.7	15	6.8
	11-Feb-93	660	42	11	29	17
	10-May-93	190	<0.5	<0.5	<0.5	<0.5
	12-Aug-93	360	39	15	23	38
	12-Aug-93(D)	330	43	16	23	40
	11-Nov-93	<50	<0 5	<0.5	<0.5	<0.5
	11-Feb-94	370b	32	7.0	19	9 3
	17-May-94	<50	42	13	33	22
	25-Aug-94	190	0.6	<0.5	<0.5	<0.5
	23-Nov-94	310	5	1.2	1.9	<0.5
	15-Feb-95	360	46	11[b]	19	18
	24-May-95	280	22	<0.5	<0.5	<0.5
	24-May-95(D)	330	25	<0.5	<0.5	<0.5

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-6 (cont.)	25-Aug-95	150	16	3.2	9.1	4
MW-7	26-Aug-88	<50	0.8	<0.5	<0.5	<0.5
	5-Oct-88	<50	<0.5	<0.5	<0.5	<0.5
	22-Nov-88	700	41	9.0	1.0	20
	9-Dec-88	<50	<0.5	<0.5	<0.5	0.6
	13-Jan-89	<50	<0.5	<0.5	<0.5	<0.5
	10-Feb-89	<50	<0.5	<0.5	<0.5	<0.5
	2-Mar-89	<50	<0.5	<0.5	<0.5	<0.5
	5-Apr-89	<50	<0.5	<0.5	<0.5	<0.5
	1-May-89	<50	<0.5	<0.5	<0.5	<0.5
	31-May-89	<50	<0.5	<0.5	<0.5	<0.5
	28-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	9-Aug-89	<50	<0.5	<0.5	<0.5	<0.5
	7-Sep-89	<50	<0.5	<0.5	<0.5	<0.5
	10-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	24-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	20-Dec-89	<50	<0.5	<0.5	<0.5	<0.5
	18-Jan-90	<50	<0.5	<0.5	<0.5	<0.5
	23-Feb-90	<50	<0.5	<0.5	<0.5	<0.5
	4-Jun-90	<50	<0.5	<0.5	<0.5	<0.5
	20-Nov-90	<50	<0.5	<0.5	<0.5	<0.5
	11-Feb-91	<50	<0.5	<0.5	<0.5	<0.5
	6-May-91	<50	<0.5	<0.5	<0.5	<0.5
	28-Aug-91	<50	<0.5	<0.5	<0.5	<0.5
	13-Nov-91	<50	<0.5	<0.5	<0.5	<0.5
	25-Feb-92	<50	<0.5	<0.5	<0.5	<0.5
	12-May-92	---------- Well Sampled Semiannually ----------				
	12-Aug-92	52	0.8	0.9	<0.5	<0.5
	10-Nov-92	---------- Well Sampled Semiannually ----------				
	11-Feb-93	<50	<0.5	<0.5	<0.5	<0.5
	10-May-93	---------- Well Sampled Semiannually ----------				
	16-Sep-93	<50	<0.5	<0.5	<0.5	<0.5
	11-Nov-93	---------- Well Sampled Semiannually ----------				
	11-Feb-94	<50	<0.5	<0.5	<0.5	<0.5
	17-May-94	---------- Well Sampled Semiannually ----------				
	25-Aug-94	<50	<0.5	<0.5	<0.5	<0.5
	23-Nov-94	---------- Well Sampled Semiannually ----------				
	15-Feb-95	<50	1.9	1.5[b]	<0.5	2.0
	24-May-95	---------- Well Sampled Semiannually ----------				
	25-Aug-95	<50	<0.5	<0.5	<0.5	<0.5

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-8	1-Mar-89	<50	<0.5	<0.5	<0.5	<0.5
	4-Apr-89	<50	<0.5	<0.5	<0.5	<0.5
	1-May-89	<50	<0.5	<0.5	<0.5	<0.5
	31-May-89	<50	<0.5	<0.5	<0.5	<0.5
	28-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	8-Aug-89	<50	<0.5	<0.5	<0.5	<0.5
	7-Sep-89	<50	<0.5	<0.5	<0.5	<0.5
	10-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	26-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	21-Dec-89	<50	<0.5	<0.5	<0.5	<0.5
	18-Jan-90	<50	<0.5	<0.5	<0.5	<0.5
	26-Feb-90	<50	<0.5	<0.5	<0.5	<0.5
	4-Jun-90	<50	<0.5	<0.5	<0.5	<0.5
	20-Nov-90	<50	<0.5	<0.5	<0.5	<0.5
	11-Feb-91	<50	<0.5	<0.5	<0.5	<0.5
	6-May-91	<50	<0.5	<0.5	<0.5	<0.5
	28-Aug-91	<50	<0.5	<0.5	<0.5	<0.5
	13-Nov-91	<50	<0.5	<0.5	<0.5	<0.5
	25-Feb-92	<50	<0.5	<0.5	<0.5	<0.5
	12-May-92	---------- Well Sampled Semiannually ----------				
	12-Aug-92	<50	<0.5	<0.5	<0.5	<0.5
	10-Nov-92	---------- Well Sampled Semiannually ----------				
	10-Feb-93	<50	<0.5	<0.5	<0.5	<0.5
	10-May-93	---------- Well Sampled Semiannually ----------				
	16-Sep-93	<50	0.7	<0.5	<0.5	1.4
	11-Nov-93	---------- Well Sampled Semiannually ----------				
	11-Feb-94	<50	1.3	<0.5	0.71	2.5
	17-May-94	---------- Well Sampled Semiannually ----------				
	25-Aug-94	<50	<0.5	<0.5	<0.5	<0.5
	23-Nov-94	---------- Well Sampled Semiannually ----------				
	15-Feb-95	<50	<0.5	<0.5	<0.5	1.4
	24-May-95	---------- Well Sampled Semiannually ----------				
	25-Aug-95	<50	<0.5	<0.5	<0.5	<0.5
MW-9	1-Mar-89	<50	<0.5	<0.5	<0.5	<0.5
	4-Apr-89	<50	<0.5	<0.5	<0.5	<0.5
	1-May-89	<50	<0.5	<0.5	<0 5	<0.5
	31-May-89	<50	<0.5	<0.5	<0.5	<0.5
	28-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	8-Aug-89	<50	<0.5	<0.5	<0.5	<0.5
	7-Sep-89	<50	<0 5	<0.5	<0.5	<0.5
	9-Oct-89	<50	<0.5	<0.5	<0.5	<0.5

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-9 (cont.)	23-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	21-Dec-89	<50	<0.5	<0.5	<0.5	<0.5
	18-Jan-90	<50	<0.5	<0.5	<0.5	<0.5
	26-Feb-90	<50	<0.5	<0.5	<0.5	<0.5
	4-Jun-90	<50	<0.5	<0.5	<0.5	<0.5
	20-Nov-90	<50	<0.5	<0.5	<0.5	<0.5
	11-Feb-91	<50	<0.5	<0.5	<0.5	<0.5
	6-May-91	<50	<0.5	<0.5	<0.5	<0.5
	28-Aug-91	<50	<0.5	<0.5	<0.5	<0.5
	13-Nov-91	<50	<0.5	<0.5	<0.5	<0.5
	25-Feb-92	<50	<0.5	<0.5	<0.5	<0.5
	12-May-92	---------- Well Sampled Semiannually ----------				
	12-Aug-92	<50	<0.5	<0.5	<0.5	<0.5
	10-Nov-92	---------- Well Sampled Semiannually ----------				
	10-Feb-93	<50	<0.5	<0.5	<0.5	<0.5
	10-May-93	---------- Well Sampled Semiannually ----------				
	16-Sep-93	<50	<0.5	<0.5	<0.5	<0.5
	11-Nov-93	---------- Well Sampled Semiannually ----------				
	11-Feb-94	<50	<0.5	<0.5	<0.5	<0.5
	17-May-94	---------- Well Sampled Semiannually ----------				
	25-Aug-94	<50	<0.5	<0.5	<0.5	<0.5
	23-Nov-94	---------- Well Sampled Semiannually ----------				
	15-Feb-95	<50	<0.5	<0.5	<0.5	<0.5
	24-May-95	---------- Well Sampled Semiannually ----------				
	25-Aug-95	<50	<0.5	<0.5	<0.5	<0.5
MW-10	2-Mar-89	1,000	140	36	<0.5	77
	4-Apr-89	3,300	760	240	46	630
	1-May-89	680	99	24	8.1	32
	1-Jun-89	1,400	120	39	<0.5	45
	29-Jun-89	1,300	51	1.4	6.1	91
	9-Aug-89	860	310	26	45	82
	7-Sep-89	390	55	2.9	4.0	18
	10-Oct-89	460	85	7.6	10	45
	26-Oct-89	270	20	1.4	3 5	9.3
	20-Dec-89	<50	5.7	<0.5	<0.5	<0.5
	18-Jan-90	NA	NA	NA	NA	NA
	1-Jun-90	----------Well Destroyed----------				
MW-11	2-Mar-89	<50	<0.5	<0 5	<0 5	<0.5
	4-Apr-89	<50	<0.5	<0.5	<0.5	<0.5
	1-May-89	<50	<0.5	<0.5	<0.5	<0.5
	20-Nov-90	<50	<0.5	<0.5	<0.5	<0.5

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-11 (cont.)	31-May-89	<50	<0.5	<0.5	<0.5	<0.5
	28-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	8-Aug-89	<50	<0.5	<0.5	<0.5	<0.5
	7-Sep-89	<50	<0.5	<0.5	<0.5	<0.5
	9-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	24-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	20-Dec-89	<50	<0.5	<0.5	<0.5	<0.5
	18-Jan-90	<50	<0.5	<0.5	<0.5	<0.5
	26-Feb-90	<50	<0.5	<0.5	<0.5	<0.5
	4-Jun-90	<50	<0.5	<0.5	<0.5	<0.5
	20-Nov-90	<50	<0.5	<0.5	<0.5	<0.5
	11-Feb-91	<50	<0.5	<0.5	<0.5	<0.5
	6-May-91	<50	<0.5	<0.5	<0.5	<0.5
	28-Aug-91	<50	<0.5	<0.5	<0.5	1.0
	15-Nov-91	<50	<0.5	<0.5	<0.5	<0.5
	25-Feb-92	<50	<0.5	<0.5	<0.5	<0.5
	12-May-92	---------- Well Sampled Semiannually ----------				
	12-Aug-92	<50	<0.5	<0.5	<0.5	<0.5
	10-Nov-92	---------- Well Sampled Semiannually ----------				
	11-Feb-93	61[a]	<0.5	<0.5	<0.5	<0.5
	10-May-93	---------- Well Sampled Semiannually ----------				
	12-Aug-93	140	18	13	7.5	32
	11-Nov-93	---------- Well Sampled Semiannually ----------				
	11-Feb-94	<50	<0.5	<0.5	<0.5	<0.5
	17-May-94	---------- Well Sampled Semiannually ----------				
	25-Aug-94	<50	<0.5	<0.5	<0.5	<0.5
	23-Nov-94	---------- Well Sampled Semiannually ----------				
	15-Feb-95	<50	<0.5	0.6[b]	<0.5	<0.5
	24-May-95	---------- Well Sampled Semiannually ----------				
	25-Aug-95	<50	<0.5	<0.5	<0.5	<0.5
MW-12	2-Mar-89	<50	<0.5	<0.5	<0.5	<0.5
	4-Apr-89	<50	<0.5	<0.5	<0.5	<0.5
	1-May-89	<50	<0.5	<0.5	<0.5	<0.5
	1-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	29-Jun-89	<50	<0.5	<0.5	<0.5	<0.5
	9-Aug-89	<50	<0.5	<0.5	<0.5	<0.5
	7-Sep-89	<50	<0.5	<0.5	<0.5	<0.5
	9-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	24-Oct-89	<50	<0.5	<0.5	<0.5	<0.5
	20-Dec-89	<50	<0.5	<0.5	<0.5	<0.5
	18-Jan-90	<50	<0.5	<0.5	<0.5	<0.5

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
MW-12 (cont.)	26-Feb-90	<50	<0.5	<0.5	<0.5	<0.5
	4-Jun-90	<50	<0.5	<0.5	<0.5	<0.5
	20-Nov-90	<50	<0.5	<0.5	<0.5	<0.5
	12-Feb-91	<50	<0.5	<0.5	<0.5	<0.5
	6-May-91	<50	<0.5	<0.5	<0.5	<0.5
	28-Aug-91	<50	<0.5	<0.5	<0.5	1.0
	13-Nov-91	<50	<0.5	<0.5	<0.5	<0.5
	25-Feb-92	<50	<0.5	<0.5	<0.5	<0.5
	12-May-92	---------- Well Removed from Sampling Program ----------				
MW-13	6-May-91	1,100	430	30	41	130
	28-Aug-91	1,000	350	6.4	44	43
	13-Nov-91	680	320	5.6	38	17
	25-Feb-92	780	260	3.5	26	15
	12-May-92	660	210	3.5	26	5.8
	12-Aug-92	400	140	9.6	21	23
	10-Nov-92	60	220	2.9	23	11
	11-Feb-93	970	340	11	29	32
	10-May-93	2,300	440	<0.5	<0.5	<0.5
	12-Aug-93	8,900	670	23	76	61
	11-Nov-93	470	230	<2.5	27	11
	11-Nov-93(D)	610	190	<2.5	21	8.0
	11-Feb-94	200b	39	<0.5	4.7	3.9
	11-Feb-94(D)	290b	55	1.3	8.8	4.8
	17-May-94	<50	88	<0.5	12	10
	17-May-94(D)	<50	96	ND	13	11
	25-Aug-94	410	110	4.2	10	15
	23-Nov-94	180	66	4.8	8.2	9.8
	23-Nov-94(D)	240	430	6.5	11	13
	15-Feb-95	320	79	5.6[b]	7.5	23
	15-Feb-95(D)	300	90	5.7[b]	7.4	24
	24-May-95	230	32	1.2	1.1	2.5
	25-Aug-95	930	320	17	48	36
RW-1	9-Dec-89	6,800	740	5	11	37
	13-Jan-89	10,000	3,200	27	60	<0 5
	10-Feb-89	6,000	2,800	<0.5	<0.5	<0.5
	2-Mar-89	3,900	2,400	<0.5	<0.5	<0.5
	5-Apr-89	1,700	1,000	<0.5	9.0	<0 5
	1-May-89	900	390	5	10	<0.5
	1-Jun-89	1,100	1.4	3.3	<0.5	13
	30-Jun-89	1,400	<0.5	<0.5	<0.5	<0.5
	9-Aug-89	7,500	1,700	210	280	300

TABLE 2

HISTORICAL GROUNDWATER QUALITY DATABASE

FORMER SHELL SERVICE STATION
7194 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA
WIC 204-2277-0105

SAMPLE POINT	SAMPLE DATE	TPH-G (PPB)	BENZENE (PPB)	TOLUENE (PPB)	ETHYLBENZENE (PPB)	XYLENES (PPB)
(RW-1 (cont.)	11-Sep-89	97	1.7	2.1	2.3	14
	10-Oct-89	1,400	48	4.5	<0.5	3.0
	25-Oct-89	820	51	1.2	25	3.0
	21-Dec-89	490	16	1.0	8.5	19
	17-Jan-90	<50	27	1.7	14	1.6
	23-Feb-90	420	42	1.8	13	2.7
	4-Jun-90	180	23	0.7	5.3	1.2
	20-Nov-90	1,900	170	52	29	38
	11-Feb-91	---------- Well Not Sampled ----------				

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by Modified EPA Method 8015

PPB = Parts per billion

<x = Not detected at detection limit of x

NR = Not requested

NA = Not analyzed

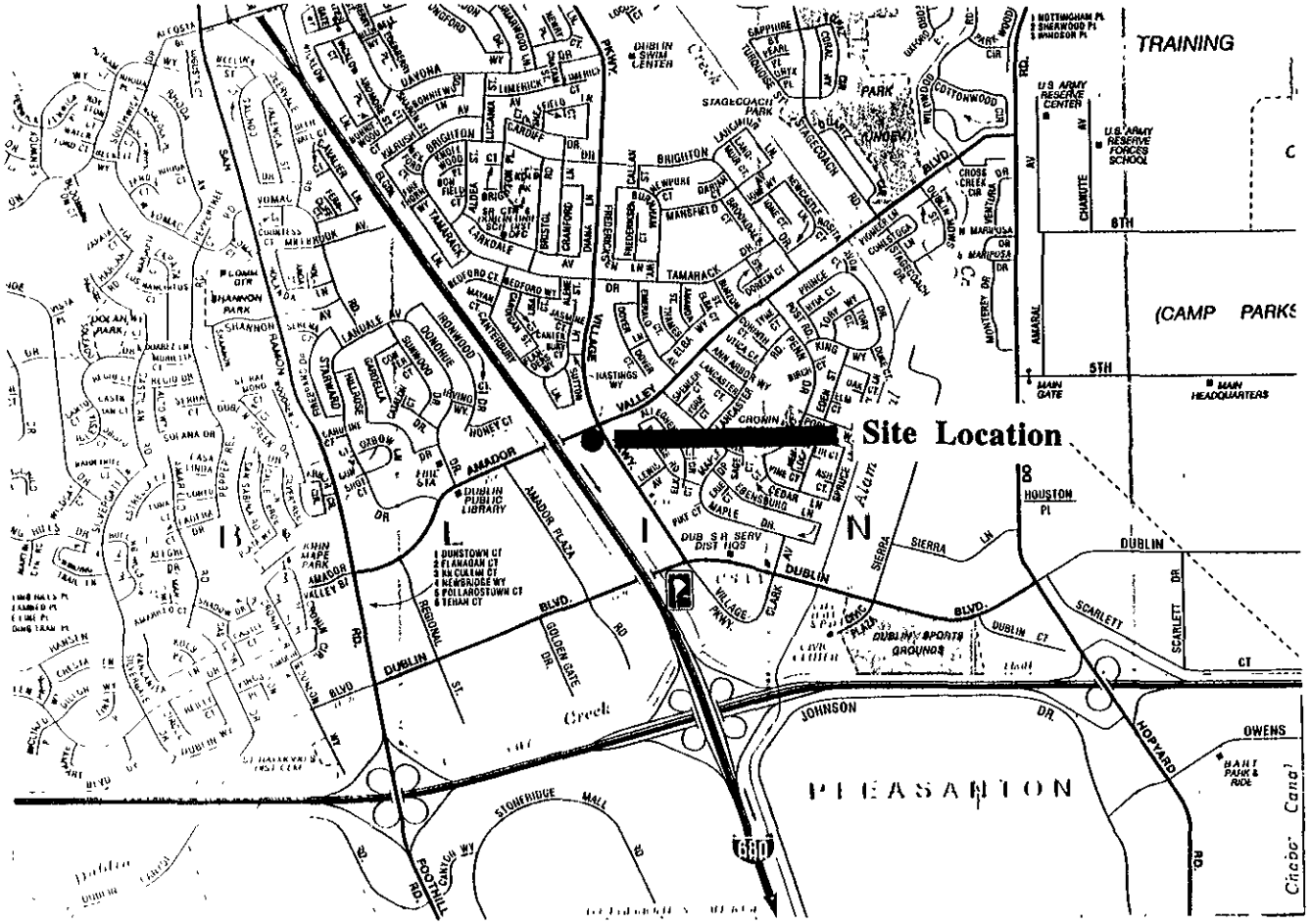
(D) = Duplicate sample

Notes:

Benzene, Toluene, Ethylbenzene, Xylenes analyzed by EPA Method 8020

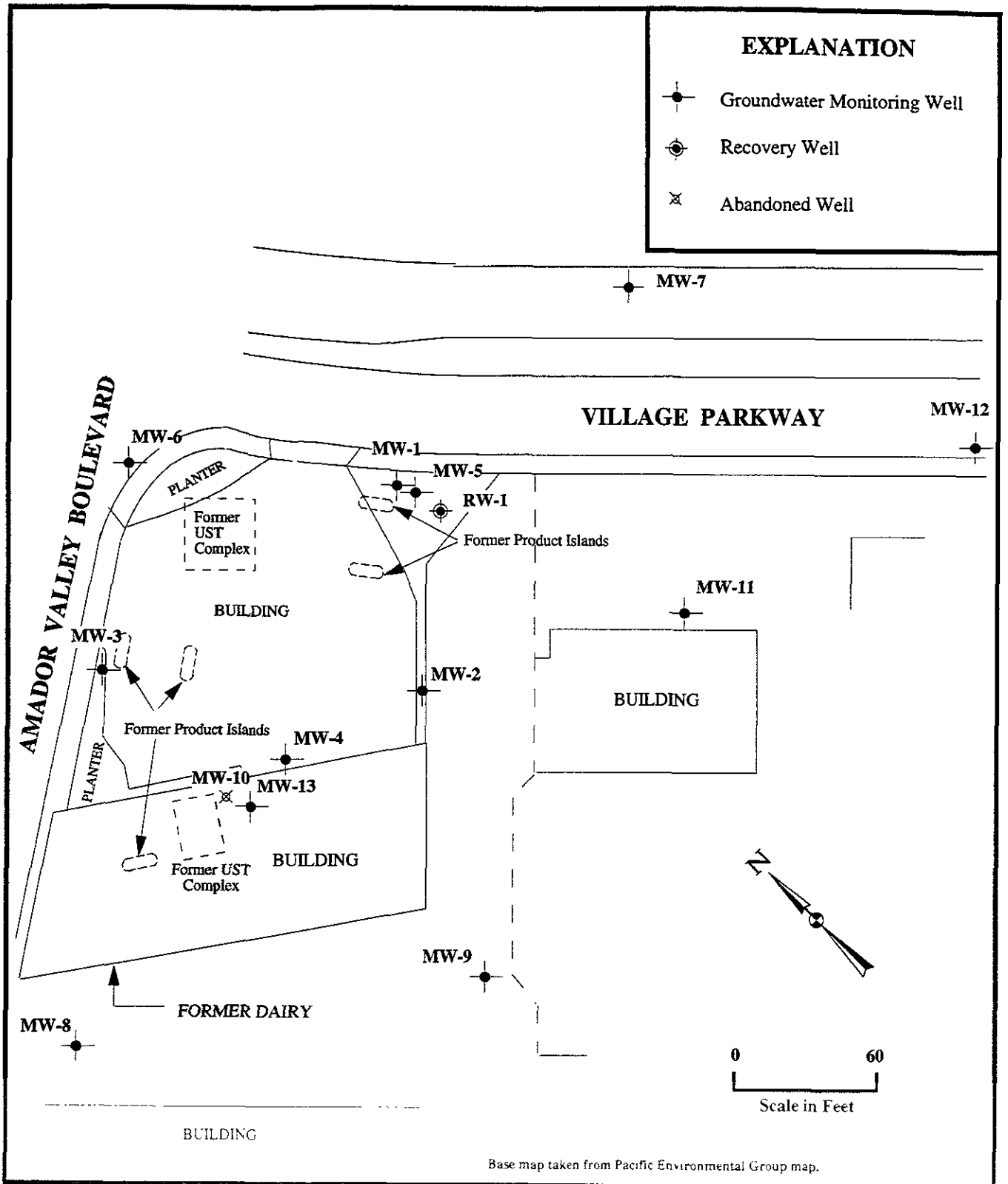
a = Laboratory noted concentration is not indicative of gasoline.

b = National Environmental Testing, Inc. noted toluene in the equipment and trip blanks at 1.1 and 1.0 ppb, respectively. This may have affected results for this quarter.



Note: Vicinity Map taken from California State AAA map.

PLATE	SITE VICINITY MAP	
1	Shell Oil Company 7194 Amador Valley Boulevard Dublin, California	*enviros*® 95285
Drawn By: JLP	Date: 4-26-95	Approved By: _____ Date: 2-Nov-95



Base map taken from Pacific Environmental Group map.

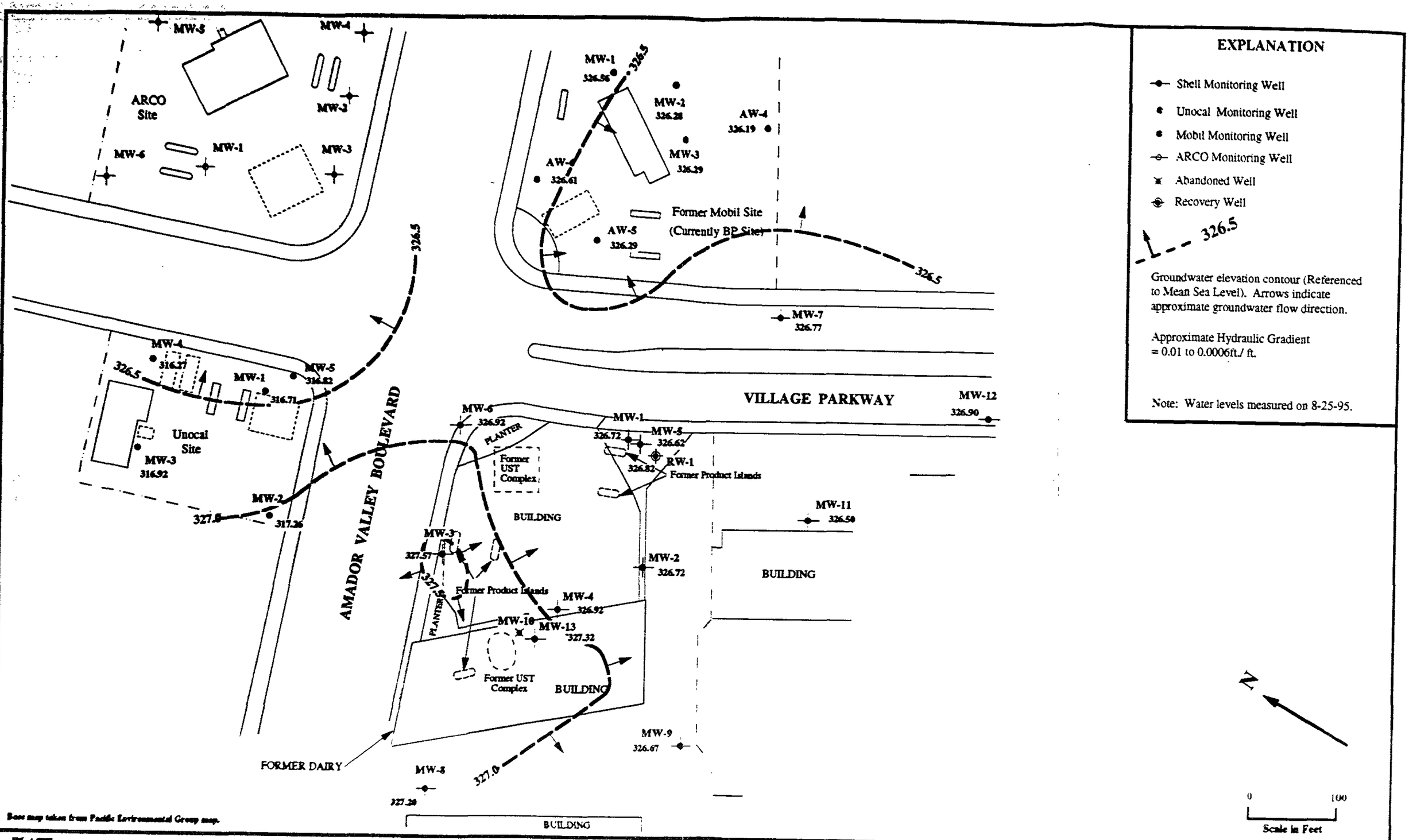
PLATE **2**

SITE PLAN
Former Shell Service Station
7194 Amador Valley Boulevard
Dublin, California

enviros ®
95285

Drawn By: JLP Date: 5-2-95

Approved By: _____ Date 3-Nov-95



EXPLANATION

- Shell Monitoring Well
- Unocal Monitoring Well
- Mobil Monitoring Well
- ARCO Monitoring Well
- Abandoned Well
- Recovery Well

326.5

Groundwater elevation contour (Referenced to Mean Sea Level). Arrows indicate approximate groundwater flow direction.

Approximate Hydraulic Gradient = 0.01 to 0.0006ft./ ft.

Note: Water levels measured on 8-25-95.

Base map taken from Pacific Environmental Group map.

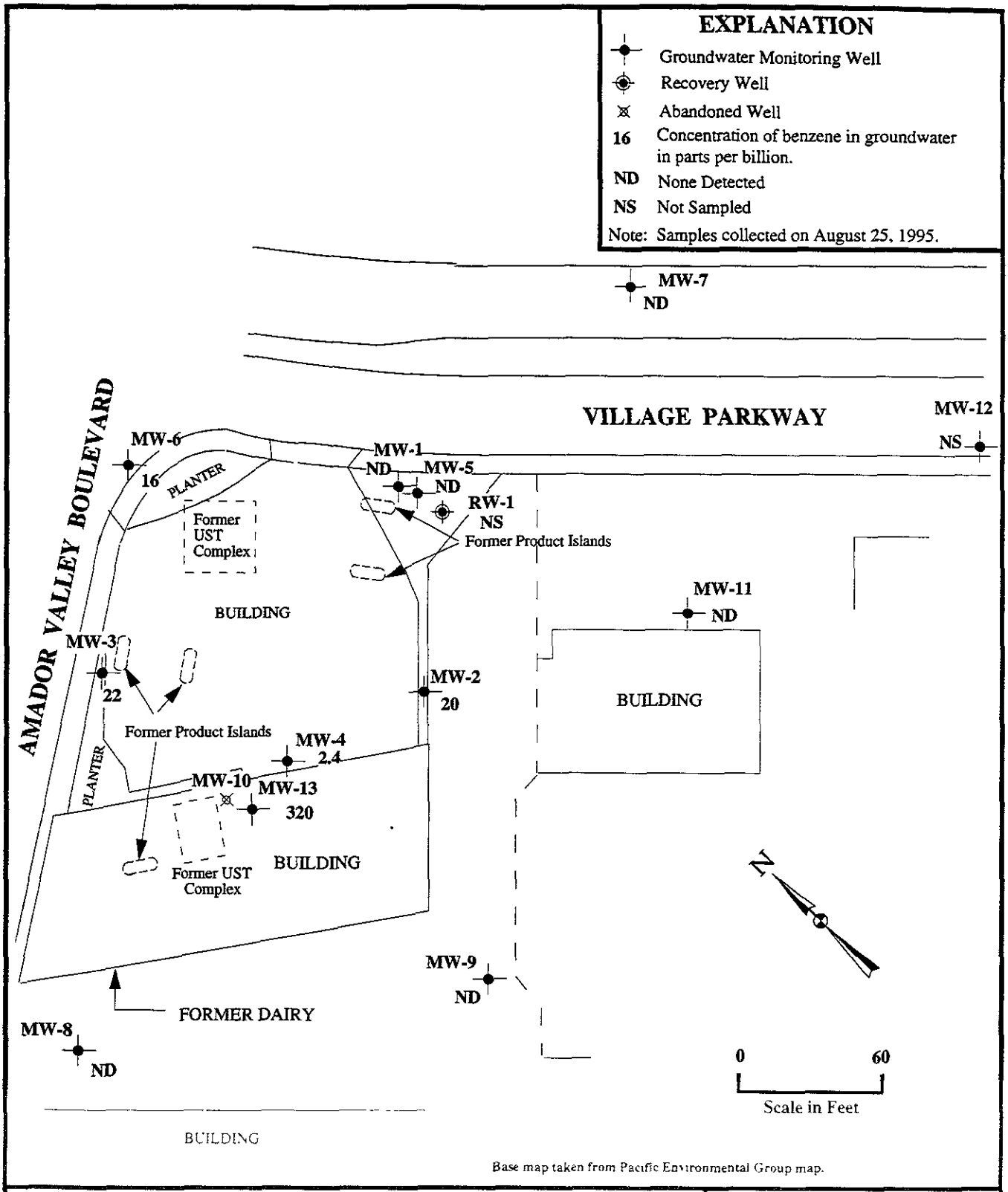
PLATE **3**

GROUNDWATER CONTOUR MAP
Former Shell Service Station
7194 Amador Valley Boulevard
Dublin, California

Drawn By: GLV Date: 10-17-95

Approved By: Date: 2-Nov-95

enviros 95285



Base map taken from Pacific Environmental Group map.

PLATE **4**

BENZENE CONCENTRATION MAP
Former Shell Service Station
7194 Amador Valley Boulevard
Dublin, California

enviros ®
95285

Drawn By: GLV Date: 10/17/95

Approved By: _____ Date: 2-Nov-95

Appendix A

Blaine Tech Services, Inc.
Quarterly Groundwater Sampling Report

Chain-of-Custody Record

NET
Certified Chemical Analytical Report

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

September 21, 1995

Shell Oil Company
P.O. Box 4023
Concord, CA 94524

Attn: Lynn Walker

Shell WIC #204-2217-0105
7194 Amador Valley Blvd.
Dublin, California

3rd Quarter 1995

Quarterly Groundwater Monitoring Report 950825-A-1

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. Copies of our Sampling Report along with the laboratory's Certified Analytical Report are forwarded to the consultant overseeing work at this site. Submission of the assembled documents to interested regulatory agencies will be made by the designated consultant.

Groundwater monitoring at this site was performed in accordance with Standard Operating Procedures provided to the interested regulatory agencies. If you have any questions about the work performed at this site please call me at (408) 995-5535 ext. 201.

Yours truly,

Francis Thie

attachments: **Table of Well Gauging Data**
Chain of Custody
Field Data Sheets
Certified Analytical Report

cc: Enviros, Inc.
19411 Riverside Dr
P O Box 259
Sonoma, CA 95476-0259
Attn: Diane Lundquist

(Any professional evaluations or recommendations will be made by the consultant under separate cover.)

TABLE OF WELL GAUGING DATA

WELL I.D.	DATA COLLECTION DATE	MEASUREMENT REFERENCED TO	QUALITATIVE OBSERVATIONS (sheen)	DEPTH TO FIRST IMMISCIBLES LIQUID (FPZ) (feet)	THICKNESS OF IMMISCIBLES LIQUID ZONE (feet)	VOLUME OF IMMISCIBLES REMOVED (ml)	DEPTH TO WATER (feet)	DEPTH TO WELL BOTTOM (feet)
MW-1	8/25/95	TOC	--	NONE	--	--	8.11	24.62
MW-2	8/25/95	TOC	--	NONE	--	--	10.24	24.10
MW-3 *	8/25/95	TOC	--	NONE	--	--	9.36	23.79
MW-4	8/25/95	TOC	--	NONE	--	--	10.22	24.30
MW-5	8/25/95	TOC	--	NONE	--	--	8.34	44.20
MW-6	8/25/95	TOC	ODOR	NONE	--	--	8.50	22.48
MW-7	8/25/95	TOC	--	NONE	--	--	6.46	16.31
MW-8	8/25/95	TOC	--	NONE	--	--	8.60	16.12
MW-9	8/25/95	TOC	--	NONE	--	--	7.90	17.64
MW-11	8/25/95	TOC	--	NONE	--	--	7.70	16.32
MW-12	8/25/95	TOC	--	NONE	--	--	5.63	16.92
MW-13	8/25/95	TOC	ODOR	NONE	--	--	8.32	16.88
RW-1	8/25/95	TOC	--	NONE	--	--	9.37	30.46

* Sample DUP was a duplicate sample taken from well MW-3.

#8261

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD
Serial No: 950825-A1

Date: 8-25-95
Page 1 of 2

Site Address: 7194 Almador Valley Blvd., Dublin, CA

WIC#: 204-2217-0105

Shell Engineer: Daniel Kirk
Phone No.: (510) 675-6168
Fax #: 675-6160

Consultant Name & Address:
Blaine Tech Services, Inc.
985 Timothy Dr., San Jose, CA 95133

Consultant Contact: Fran Thie
Phone No.: (408) 995-5535
Fax #: 293-8773

Comments:

Sampled by: [signature]

Printed Name: RANDY VALENTINE

Analysis Required

CUSTODY SEALED Date 8-28-95 Time 1337 Initials P.S

SEAL INTACT? Yes ✓ No ___ Initials [initials]

LAB: NET PACIFIC

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
G.W. Monitoring [X]	4461	24 hours ☐
Site Investigation ☐	4441	48 hours ☐
Soil Classify/Disposal ☐	4442	15 days [X] (Normal)
Water Classify/Disposal ☐	4443	Other ☐
Soil/Air Rem. or Sys. O & M ☐	4452	NOTE: Notify Lab as soon as Possible of 24/48 hrs. TAT.
Water Rem. or Sys. O & M ☐	4453	
Other ☐		

UST AGENCY:

Sample ID	Date	Time	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020			Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
MW-1	8/25	1135		X		3						X								
MW-2	8/25	1325		X		3						X								
MW-3	8/25	1455		X		3						X								
MW-4	8/25	1300		X		3						X								
MW-5	8/25	1230		X		3						X								
MW-6	8/25	1425		X		3						X								
MW-7	8/25	900		X		3						X								
MW-8	8/25	935		X		3						X								

Relinquished By (signature)	Printed Name	Date/Time	Received (signature)	Printed Name	Date/Time
[signature]	RANDY VALENTINE	Date: 8/28/95 Time: 10:30am	[signature]	PAUL SEGHETTI	Date: 8-28-95 Time: 1030
[signature]	PAUL SEGHETTI	Date: 8-28-95 Time: 1337	[signature]	PAM GREENE	Date: 8-29-95 Time: 08:10
		Date: Time:			Date: Time:

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS

VIA: NCS

#6261

SHELL OIL COMPANY
RETAIL ENVIRONMENTAL ENGINEERING - WEST

CHAIN OF CUSTODY RECORD
Serial No: 950825-A1

Date: 8-25-95
Page 2 of 2

Site Address: 7194 Almador Valley Blvd., Dublin, CA

WIC#: 204-2217-0105

Shell Engineer: Daniel Kirk
Phone No.: (510) 675-6168
Fax #: 675-6160

Consultant Name & Address: Blaine Tech Services, Inc. 985 Timothy Dr., San Jose, CA 95133

Consultant Contact: Fran Thie
Phone No.: (408) 995-5535
Fax #: 293-8773

Comments:

Sampled by: [signature]

Printed Name: RANDY VALENTINE

Analysis Required

CUSTODY SEALED Date 8-28-95 Time 1331 Initials P.S.

SEAL INTACT? Yes ✓ No ___ Initials [initials]

LAB: NET PACIFIC

CHECK ONE (1) BOX ONLY	CT/DT	TURN AROUND TIME
G.W. Monitoring ☒	4461	24 hours ☐
Site Investigation ☐	4441	48 hours ☐
Soil Classify/Disposal ☐	4442	16 days ☒ (Normal)
Water Classify/Disposal ☐	4443	Other ☐
Soil/Air Rem. or Sys. O & M ☐	4452	NOTE: Notify Lab as soon as Possible of 24/48 hrs. TAT.
Water Rem. or Sys. O & M ☐	4453	
Other ☐		

UST AGENCY:

Sample ID	Date	Time	Soil	Water	Air	No. of conts.	TPH (EPA 8015 Mod. Gas)	TPH (EPA 8015 Mod. Diesel)	BTEX (EPA 8020/602)	Volatile Organics (EPA 8240)	Test for Disposal	Combination TPH 8015 & BTEX 8020		Asbestos	Container Size	Preparation Used	Composite Y/N	MATERIAL DESCRIPTION	SAMPLE CONDITION/ COMMENTS
MW-9	8/25	1000		X		3						X							
MW-11	8/25	1055		X		3						X							
MW-13	8/25	1355		X		3						X							
EB	8/25	905		X		3						X							
DUP	8/25			X		3						X							
TB	8/25			X		2						X							

Relinquished By (signature)	Printed Name	Date/Time	Received (signature)	Printed Name	Date/Time
[signature]	RANDY VALENTINE	Date: 8/28/95 Time: 10:30	[signature]	PAUL SEGHETTI	Date: 8-28-95 Time: 1030
[signature]	PAUL SEGHETTI	Date: 8-28-95 Time: 1339	[signature]	PAM GREENE	Date: 8-29-95 Time: 08:00
		Date: Time:			Date: Time:

THE LABORATORY MUST PROVIDE A COPY OF THIS CHAIN-OF-CUSTODY WITH INVOICE AND RESULTS

VIA: NCS

NATIONAL ENVIRONMENTAL TESTING, INC.

Santa Rosa Division
3636 North Laughlin Road
Suite 110
Santa Rosa, CA 95403-8226
Tel: (707) 526-7200
Fax: (707) 541-2333

Jim Keller
Blaine Tech Services
985 Timothy Dr.
San Jose, CA 95133

Date: 10/03/1995
NET Client Acct. No: 1821
NET Job No: 95.03429
Received: 08/29/1995

Client Reference Information

Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel free to call me at (707) 541-2305.

Submitted by:

Jennifer L. Roseberry
Project Manager

Enclosure(s)

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-1
Date Taken: 08/25/1995
Time Taken: 11:35
NET Sample No: 249779

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/07/1995	3161
Purgeable TPH	ND	*	50	ug/L	5030/M8015		09/20/1995	3182
Carbon Range: C6 to C12	--						09/07/1995	3161
METHOD 8020 (GC, Liquid)	--						09/07/1995	3161
Benzene	ND		0.5	ug/L	8020		09/07/1995	3161
Toluene	ND		0.5	ug/L	8020		09/07/1995	3161
Ethylbenzene	ND		0.5	ug/L	8020		09/07/1995	3161
Xylenes (Total)	ND		0.5	ug/L	8020		09/07/1995	3161
SURROGATE RESULTS	--						09/07/1995	3161
Bromofluorobenzene (SURR)	88			% Rec.	8020		09/07/1995	3161

* : Analysis occurred outside the method specified holding time. Result should be considered a minimum value.

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-2
Date Taken: 08/25/1995
Time Taken: 13:25
NET Sample No: 249780

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/07/1995	3161
Purgeable TPH	ND	*	50	ug/L	5030/M8015		09/20/1995	3182
Carbon Range: C6 to C12	--						09/07/1995	3161
METHOD 8020 (GC, Liquid)	--						09/07/1995	3161
Benzene	20	C	0.5	ug/L	8020		09/07/1995	3161
Toluene	ND		0.5	ug/L	8020		09/07/1995	3161
Ethylbenzene	ND		0.5	ug/L	8020		09/07/1995	3161
Xylenes (Total)	ND		0.5	ug/L	8020		09/07/1995	3161
SURROGATE RESULTS	--						09/07/1995	3161
Bromofluorobenzene (SURR)	98			% Rec.	8020		09/07/1995	3161

* : Analysis occurred outside the method specified holding time. Result should be considered a minimum value.

C : Positive result confirmed by secondary column or GC/MS analysis

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-3
Date Taken: 08/25/1995
Time Taken: 14:55
NET Sample No: 249781

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/07/1995	3161
Purgeable TPH	70	*	50	ug/L	5030/M8015		09/20/1995	3182
Carbon Range: C6 to C12	--						09/07/1995	3161
METHOD 8020 (GC, Liquid)	--						09/07/1995	3161
Benzene	22	C	0.5	ug/L	8020		09/07/1995	3161
Toluene	ND		0.5	ug/L	8020		09/07/1995	3161
Ethylbenzene	4.1	C	0.5	ug/L	8020		09/07/1995	3161
Xylenes (Total)	ND		0.5	ug/L	8020		09/07/1995	3161
SURROGATE RESULTS	--						09/07/1995	3161
Bromofluorobenzene (SURR)	92			% Rec.	8020		09/07/1995	3161

* : Analysis occurred outside the method specified holding time. Result should be considered a minimum value.

C Positive result confirmed by secondary column or GC/MS analysis

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-4
Date Taken: 08/25/1995
Time Taken: 13:00
NET Sample No: 249782

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/07/1995	3161
Purgeable TPH	ND	*	50	ug/L	5030/M8015		09/21/1995	3182
Carbon Range: C6 to C12	--						09/07/1995	3161
METHOD 8020 (GC, Liquid)	--						09/07/1995	3161
Benzene	2.4	C	0.5	ug/L	8020		09/07/1995	3161
Toluene	ND		0.5	ug/L	8020		09/07/1995	3161
Ethylbenzene	ND		0.5	ug/L	8020		09/07/1995	3161
Xylenes (Total)	ND		0.5	ug/L	8020		09/07/1995	3161
SURROGATE RESULTS	--						09/07/1995	3161
Bromofluorobenzene (SURR)	93			% Rec.	8020		09/07/1995	3161

* : Analysis occurred outside the method specified holding time. Result should be considered a minimum value.

C Positive result confirmed by secondary column or GC/MS analysis

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-5
Date Taken: 08/25/1995
Time Taken: 12:30
NET Sample No: 249783

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/07/1995	3161
Purgeable TPH	ND	*	50	ug/L	5030/M8015		09/13/1995	3173
Carbon Range: C6 to C12	--						09/07/1995	3161
METHOD 8020 (GC, Liquid)	--						09/07/1995	3161
Benzene	ND		0.5	ug/L	8020		09/07/1995	3161
Toluene	ND		0.5	ug/L	8020		09/07/1995	3161
Ethylbenzene	ND		0.5	ug/L	8020		09/07/1995	3161
Xylenes (Total)	ND		0.5	ug/L	8020		09/07/1995	3161
SURROGATE RESULTS	--						09/07/1995	3161
Bromofluorobenzene (SURR)	95			% Rec.	8020		09/07/1995	3161

* : Analysis occurred outside the method specified holding time. Result should be considered a minimum value.

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-6
Date Taken: 08/25/1995
Time Taken: 14:25
NET Sample No: 249784

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/08/1995	3155
Purgeable TPH	150		50	ug/L	5030/M8015		09/08/1995	3155
Carbon Range: C6 to C12	--						09/08/1995	3155
METHOD 8020 (GC, Liquid)	--						09/08/1995	3155
Benzene	16		0.5	ug/L	8020		09/08/1995	3155
Toluene	3.2		0.5	ug/L	8020		09/08/1995	3155
Ethylbenzene	9.1		0.5	ug/L	8020		09/08/1995	3155
Xylenes (Total)	4.0		0.5	ug/L	8020		09/08/1995	3155
SURROGATE RESULTS	--						09/08/1995	3155
Bromofluorobenzene (SURR)	103			% Rec.	8020		09/08/1995	3155

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-7
Date Taken: 08/25/1995
Time Taken: 09:00
NET Sample No: 249785

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/08/1995	3155
Purgeable TPH	ND		50	ug/L	5030/M8015		09/08/1995	3155
Carbon Range: C6 to C12	--						09/08/1995	3155
METHOD 8020 (GC, Liquid)	--						09/08/1995	3155
Benzene	ND		0.5	ug/L	8020		09/08/1995	3155
Toluene	ND		0.5	ug/L	8020		09/08/1995	3155
Ethylbenzene	ND		0.5	ug/L	8020		09/08/1995	3155
Xylenes (Total)	ND		0.5	ug/L	8020		09/08/1995	3155
SURROGATE RESULTS	--						09/08/1995	3155
Bromofluorobenzene (SURR)	91			% Rec.	8020		09/08/1995	3155

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-8
Date Taken: 08/25/1995
Time Taken: 09:35
NET Sample No: 249786

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/08/1995	3155
Purgeable TPH	ND		50	ug/L	5030/M8015		09/08/1995	3155
Carbon Range: C6 to C12	--						09/08/1995	3155
METHOD 8020 (GC, Liquid)	--						09/08/1995	3155
Benzene	ND		0.5	ug/L	8020		09/08/1995	3155
Toluene	ND		0.5	ug/L	8020		09/08/1995	3155
Ethylbenzene	ND		0.5	ug/L	8020		09/08/1995	3155
Xylenes (Total)	ND		0.5	ug/L	8020		09/08/1995	3155
SURROGATE RESULTS	--						09/08/1995	3155
Bromofluorobenzene (SURR)	94			% Rec.	8020		09/08/1995	3155

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-9
Date Taken: 08/25/1995
Time Taken: 10:00
NET Sample No: 249787

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/08/1995	3155
Purgeable TPH	ND		50	ug/L	5030/M8015		09/08/1995	3155
Carbon Range: C6 to C12	--						09/08/1995	3155
METHOD 8020 (GC, Liquid)	--						09/08/1995	3155
Benzene	ND		0.5	ug/L	8020		09/08/1995	3155
Toluene	ND		0.5	ug/L	8020		09/08/1995	3155
Ethylbenzene	ND		0.5	ug/L	8020		09/08/1995	3155
Xylenes (Total)	ND		0.5	ug/L	8020		09/08/1995	3155
SURROGATE RESULTS	--						09/08/1995	3155
Bromofluorobenzene (SURR)	96			% Rec.	8020		09/08/1995	3155

NET

Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.03429

Date: 10/03/1995
ELAP Cert: 1386
Page: 11

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-11
Date Taken: 08/25/1995
Time Taken: 10:55
NET Sample No: 249788

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/08/1995	3155
Purgeable TPH	ND		50	ug/L	5030/M8015		09/08/1995	3155
Carbon Range: C6 to C12	--						09/08/1995	3155
METHOD 8020 (GC, Liquid)	--						09/08/1995	3155
Benzene	ND		0.5	ug/L	8020		09/08/1995	3155
Toluene	ND		0.5	ug/L	8020		09/08/1995	3155
Ethylbenzene	ND		0.5	ug/L	8020		09/08/1995	3155
Xylenes (Total)	ND		0.5	ug/L	8020		09/08/1995	3155
SURROGATE RESULTS	--						09/08/1995	3155
Bromofluorobenzene (SURR)	96			% Rec.	8020		09/08/1995	3155

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: MW-13
Date Taken: 08/25/1995
Time Taken: 13:55
NET Sample No: 249789

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/08/1995	3155
Purgeable TPH	930	*	50	ug/L	5030/M8015		09/29/1995	3215
Carbon Range: C6 to C12	--						09/08/1995	3155
METHOD 8020 (GC, Liquid)	--						09/08/1995	3155
Benzene	320	FC	5.0	ug/L	8020		09/08/1995	3155
Toluene	17	FC	5.0	ug/L	8020		09/08/1995	3155
Ethylbenzene	48	FC	5.0	ug/L	8020		09/08/1995	3155
Xylenes (Total)	36	FC	5.0	ug/L	8020		09/08/1995	3155
SURROGATE RESULTS	--						09/08/1995	3155
Bromofluorobenzene (SURR)	98			% Rec.	8020		09/08/1995	3155

* : Analysis occurred outside the method specified holding time. Result should be considered a minimum value.

FC Compound quantitated at a 10X dilution factor

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: EB
Date Taken: 08/25/1995
Time Taken: 09:05
NET Sample No: 249790

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/08/1995	3155
Purgeable TPH	ND		50	ug/L	5030/M8015		09/08/1995	3155
Carbon Range: C6 to C12	--						09/08/1995	3155
METHOD 8020 (GC, Liquid)	--						09/08/1995	3155
Benzene	ND		0.5	ug/L	8020		09/08/1995	3155
Toluene	ND		0.5	ug/L	8020		09/08/1995	3155
Ethylbenzene	ND		0.5	ug/L	8020		09/08/1995	3155
Xylenes (Total)	1.8	C	0.5	ug/L	8020		09/08/1995	3155
SURROGATE RESULTS	--						09/08/1995	3155
Bromofluorobenzene (SURR)	95			% Rec.	8020		09/08/1995	3155

C Positive result confirmed by secondary column or GC/MS analysis

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: DUP
Date Taken: 08/25/1995
Time Taken:
NET Sample No: 249791

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/08/1995	3155
Purgeable TPH	70		50	ug/L	5030/M8015		09/08/1995	3155
Carbon Range: C6 to C12	--						09/08/1995	3155
METHOD 8020 (GC, Liquid)	--						09/08/1995	3155
Benzene	37		0.5	ug/L	8020		09/08/1995	3155
Toluene	ND		0.5	ug/L	8020		09/08/1995	3155
Ethylbenzene	6.2		0.5	ug/L	8020		09/08/1995	3155
Xylenes (Total)	ND		0.5	ug/L	8020		09/08/1995	3155
SURROGATE RESULTS	--						09/08/1995	3155
Bromofluorobenzene (SURR)	99			% Rec.	8020		09/08/1995	3155

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

SAMPLE DESCRIPTION: TB
Date Taken: 08/25/1995
Time Taken:
NET Sample No: 249792

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 5030/8015-M (Shell)								
DILUTION FACTOR*	1						09/08/1995	3155
Purgeable TPH	ND		50	ug/L	5030/M8015		09/08/1995	3155
Carbon Range: C6 to C12	--						09/08/1995	3155
METHOD 8020 (GC, Liquid)	--						09/08/1995	3155
Benzene	ND		0.5	ug/L	8020		09/08/1995	3155
Toluene	ND		0.5	ug/L	8020		09/08/1995	3155
Ethylbenzene	ND		0.5	ug/L	8020		09/08/1995	3155
Xylenes (Total)	ND		0.5	ug/L	8020		09/08/1995	3155
SURROGATE RESULTS	--						09/08/1995	3155
Bromofluorobenzene (SURR)	94			% Rec.	8020		09/08/1995	3155

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 5030/8015-M (Shell)							
Purgeable TPH	96.0	0.48	0.50	mg/L	09/08/1995	caf	3155
Benzene	95.8	4.79	5.00	ug/L	09/08/1995	caf	3155
Toluene	92.4	4.62	5.00	ug/L	09/08/1995	caf	3155
Ethylbenzene	93.8	4.69	5.00	ug/L	09/08/1995	caf	3155
Xylenes (Total)	94.0	14.1	15.0	ug/L	09/08/1995	caf	3155
Bromofluorobenzene (SURR)	92.0	92	100	% Rec.	09/08/1995	caf	3155
METHOD 5030/8015-M (Shell)							
Benzene	91.6	4.58	5.00	ug/L	09/07/1995		3161
Toluene	88.2	4.41	5.00	ug/L	09/07/1995		3161
Ethylbenzene	86.8	4.34	5.00	ug/L	09/07/1995		3161
Xylenes (Total)	88.0	13.2	15.0	ug/L	09/07/1995		3161
Bromofluorobenzene (SURR)	91.0	91	100	% Rec.	09/07/1995		3161
METHOD 5030/8015-M (Shell)							
Purgeable TPH	94.0	0.47	0.50	mg/L	09/13/1995	lss	3173
Benzene	88.0	4.40	5.00	ug/L	09/13/1995	lss	3173
Toluene	86.8	4.34	5.00	ug/L	09/13/1995	lss	3173
Ethylbenzene	90.0	4.50	5.00	ug/L	09/13/1995	lss	3173
Xylenes (Total)	90.8	13.62	15.0	ug/L	09/13/1995	lss	3173
Bromofluorobenzene (SURR)	90.0	90	100	% Rec.	09/13/1995	lss	3173
METHOD 5030/8015-M (Shell)							
Purgeable TPH	98.0	0.49	0.50	mg/L	09/20/1995	jlr	3182
Benzene	88.4	4.42	5.00	ug/L	09/20/1995	jlr	3182
Toluene	89.2	4.46	5.00	ug/L	09/20/1995	jlr	3182
Ethylbenzene	91.4	4.57	5.00	ug/L	09/20/1995	jlr	3182
Xylenes (Total)	92.7	13.9	15.0	ug/L	09/20/1995	jlr	3182
Bromofluorobenzene (SURR)	94.0	94	100	% Rec.	09/20/1995	jlr	3182
METHOD 5030/8015-M (Shell)							
Purgeable TPH	94.0	0.47	0.50	mg/L	09/29/1995	jlr	3215
Benzene	96.6	4.83	5.00	ug/L	09/29/1995	jlr	3215
Toluene	98.2	4.91	5.00	ug/L	09/29/1995	jlr	3215
Ethylbenzene	101.8	5.09	5.00	ug/L	09/29/1995	jlr	3215
Xylenes (Total)	103.3	15.5	15.0	ug/L	09/29/1995	jlr	3215
Bromofluorobenzene (SURR)	102.0	102	100	% Rec.	09/29/1995	jlr	3215

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/08/1995	caf	3155
Benzene	ND	0.5	ug/L	09/08/1995	caf	3155
Toluene	ND	0.5	ug/L	09/08/1995	caf	3155
Ethylbenzene	ND	0.5	ug/L	09/08/1995	caf	3155
Xylenes (Total)	ND	0.5	ug/L	09/08/1995	caf	3155
Bromofluorobenzene (SURR)	93		% Rec.	09/08/1995	caf	3155
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/07/1995		3161
Benzene	ND	0.5	ug/L	09/07/1995		3161
Toluene	ND	0.5	ug/L	09/07/1995		3161
Ethylbenzene	ND	0.5	ug/L	09/07/1995		3161
Xylenes (Total)	ND	0.5	ug/L	09/07/1995		3161
Bromofluorobenzene (SURR)	94		% Rec.	09/07/1995		3161
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/13/1995	lss	3173
Benzene	ND	0.5	ug/L	09/13/1995	lss	3173
Toluene	ND	0.5	ug/L	09/13/1995	lss	3173
Ethylbenzene	ND	0.5	ug/L	09/13/1995	lss	3173
Xylenes (Total)	ND	0.5	ug/L	09/13/1995	lss	3173
Bromofluorobenzene (SURR)	90		% Rec.	09/13/1995	lss	3173
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/20/1995	jlr	3182
Benzene	ND	0.5	ug/L	09/20/1995	jlr	3182
Toluene	ND	0.5	ug/L	09/20/1995	jlr	3182
Ethylbenzene	ND	0.5	ug/L	09/20/1995	jlr	3182
Xylenes (Total)	ND	0.5	ug/L	09/20/1995	jlr	3182
Bromofluorobenzene (SURR)	87		% Rec.	09/20/1995	jlr	3182
METHOD 5030/8015-M (Shell)						
Purgeable TPH	ND	0.05	mg/L	09/29/1995	jlr	3215
Benzene	ND	0.5	ug/L	09/29/1995	jlr	3215
Toluene	ND	0.5	ug/L	09/29/1995	jlr	3215
Ethylbenzene	ND	0.5	ug/L	09/29/1995	jlr	3215
Xylenes (Total)	ND	0.5	ug/L	09/29/1995	jlr	3215
Bromofluorobenzene (SURR)	101		% Rec.	09/29/1995	jlr	3215

NET

Client Name: Blaine Tech Services
Client Acct: 1821
NET Job No: 95.03429

Date: 10/03/1995
ELAP Cert: 1386
Page: 18

Ref: Shell 7194 Almador Valley Blvd., Dublin, CA/950825-A1

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD	Spike Amount	Sample Conc.	Matrix Spike Conc.	Matrix Spike Dup. Conc.	Units	Date Analyzed	Run Batch	Sample Spiked
METHOD 5030/8015-M (Shell)											249785
Purgeable TPH	88.0	88.0	0.0	0.5	ND	0.44	0.44	mg/L	09/08/1995	3155	249785
Benzene	92.1	93.3	1.3	8.9	ND	8.2	8.3	ug/L	09/08/1995	3155	249785
Toluene	96.6	95.5	1.1	29.2	ND	28.2	27.9	ug/L	09/08/1995	3155	249785
METHOD 5030/8015-M (Shell)											249779
Purgeable TPH	88.0	92.0	4.4	0.5	ND	0.44	0.46	mg/L	09/20/1995	3182	249779
Benzene	101.4	116.2	13.6	7.4	ND	7.5	8.6	ug/L	09/20/1995	3182	249779
Toluene	95.3	100.3	5.0	30.0	1.3	29.9	31.4	ug/L	09/20/1995	3182	249779
METHOD 5030/8015-M (Shell)											251432
Purgeable TPH	98.0	98.0	0.0	0.5	ND	0.49	0.49	mg/L	09/29/1995	3215	251432
Benzene	94.2	105.8	11.5	5.2	ND	4.9	5.5	ug/L	09/29/1995	3215	251432
Toluene	95.8	96.5	0.7	25.9	ND	24.8	25.0	ug/L	09/29/1995	3215	251432

NET®

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	:	Initial Calibration Verification Standard (External Standard).
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.

COOLER RECEIPT FORM

Project: 950825-A1 Log No: 8261
Cooler received on: 8/29/95 and checked on 8/29/95 by: BmGreene
(signature) JMGreene

Were custody papers present?..... YES NO
Were custody papers properly filled out?..... YES NO *
Were the custody papers signed?..... YES NO
Was sufficient ice used?..... YES NO
Did all bottles arrive in good condition (unbroken)?..... YES NO
Did bottle labels match COC?..... YES NO
Were proper bottles used for analysis indicated?..... YES NO
Correct preservatives used?..... YES NO
VOA vials checked for headspace bubbles?..... YES NO
Note which voas (if any) had bubbles:*

Sample descriptor:	Number of vials:
MW-1	3
MW-5	3
MW-11	3
Dup	3

*All VOAs with headspace bubbles have been set aside so they will not be used for analysis..... YES NO

List here all other jobs received in the same cooler:

Client Job #	NET log #

* MW-12 Not listed on COC.
3 VOA's Rec'd - Place on Hold
per Fran. Tue to PG 09.25 8/29/95

(coolerrec)

Appendix B

MPDS
(Unocal Site)
3rd Quarter 1995 - Groundwater Measurements

Alisto Engineering Group
(Former Mobil Site)
3rd Quarter 1995 - Groundwater Measurements

ALISTO ENGINEERING GROUP

FACSIMILE TRANSMISSION SHEET

DATE: 9-18-95

TO: Diane Lindquist

COMPANY: Enviros

FAX NO: (707)935-6649

FROM: Patricia Yelton

NUMBER OF PAGES INCLUDING THIS SHEET: 2

MESSAGE: Joint Monitoring
BP 11116
7197 Village Pkway
Dublin
Analytical for this site is also exchanged I have not yet received mine I will send ASAP

Please call if you do not receive this facsimile in full.

ALISTO ENGINEERING GROUP
1575 Treat Boulevard, Suite 201
Walnut Creek, California 94598
TEL: 510-295-1650 FAX: 510-295-1823

WELL NO.	MONT. DATE	CASING DIA. (IN.)	WELL ELEV. (FT.)	DEPTH TO WATER (FT.)	PRODUCT THICKNESS (FT.)	WATER ELEV. (FT.)
AW-4	25-Aug-95	4.0	333.41	7.22		326.19
AW-5	25-Aug-95	4.0	334.81	8.52		326.29
AW-6	25-Aug-95	4.0	334.90	8.29		326.61
MW-1	25-Aug-95	4.0	335.17	8.61		326.56
MW-2	25-Aug-95	4.0	334.58	8.30		326.28
MW-3	25-Aug-95	4.0	335.13	8.84		326.29
NOTES:						
Well depths for BP Service Station No. 1116 at 7179 Village Parkway, Dublin, Ca.						

ALISTO ENGINEERING GROUP
GROUNDWATER MONITORING

Client: BP
Alisto Project No: 10-017-05-001
Service Station No: 11116

Date: 8/25/95
Field Personnel: DC
Site Address: 7197 Village Pkwy Dublin CA

FIELD ACTIVITY:

✓ Groundwater Monitoring
__ Groundwater Sampling
__ Well Development

QUALITY CONTROL SAMPLES:

__ QC-1 Sample Duplicate (Well ID)
__ QC-2 Trip Blank
__ QC-3 Rinsate Blank

	Well ID	Well Diam	Order Measured/ Sampled	Total Depth	Depth to Water	Depth to Product	Product Thick-ness	Comments time
S-1	MW-3	2"	1	26.00'	8.84'	0	0	0947
S-2	AW-4	4"	2	34.10	7.72'			0954
S-3	MW-2	2"	3	25.60'	8.30'			0959
S-4	MW-1	2"	4	25.80'	8.61'			1004
S-5	AW-5	4"	5	33.00'	8.52'			1009
S-6	AW-6	4"	6	16.75'	8.59'	↓	↓	1014

Notes:

Pg 1 of 1

FORM: FS2/121592

AnalyticalTechnologies, Inc. Corporate Offices 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

ATI I.D.: 508297

September 13, 1995

ALISTO ENGINEERING
1575 TREAT BOULEVARD, SUITE 201
WALNUT CREEK, CA 94598

Project Name: BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA
Project # : G317853/10-017-05-001

Attention: BILL HOWELL

Analytical Technologies, Inc. has received the following sample(s):

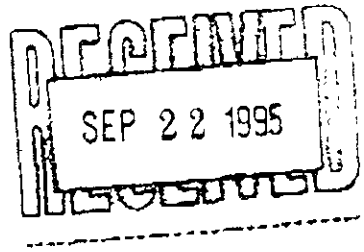
Date Received	Quantity	Matrix
August 31, 1995	8	WATER

The sample(s) were analyzed with EPA methodology or equivalent methods as specified in the enclosed analytical schedule. The symbol for "less than" indicates a value below the reportable detection limit. If any flags appear next to the analytical data in this report, please see the attached list of flag definitions.

The results of these analyses and the quality control data are enclosed. Please note that the Sample Condition Upon Receipt Checklist is included at the end of this report.

GARY STEWART
VOLATILES SUPERVISOR

ALAN J. KLEINSCHMIDT
LABORATORY MANAGER



SAMPLE CROSS REFERENCE

Client : ALISTO ENGINEERING
Project # : G317853/10-017-05-001
Project Name: BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

Report Date
ATI I.D.

ATI #	Client Description	Matrix	Da
1	S-1	WATER	29-
2	S-2	WATER	29-
3	S-3	WATER	29-
4	S-4	WATER	29-
5	S-5	WATER	29-
6	S-6	WATER	29-
7	S-7	WATER	29-
8	S-8	WATER	29-

---TOTALS---

Matrix	# Samples
WATER	8

ATI STANDARD DISPOSAL PRACTICE

The sample(s) from this project will be disposed of in twenty-one (21) days : this report. If an extended storage period is required, please contact ou department before the scheduled disposal date.

ANALYTICAL SCHEDULE

ATI

Client : ALISTO ENGINEERING
Project # : G317853/10-017-05-001
Project Name: BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

Analysis	Technique/Description
MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)	GC/FLAME ION./PHOTO IONIZ

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 508297
Project # : G317853/10-017-05-001
Project Name: BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
1	S-1	WATER	29-AUG-95	N/A	11-SEP-95	1.00
2	S-2	WATER	29-AUG-95	N/A	11-SEP-95	1.00
3	S-3	WATER	29-AUG-95	N/A	12-SEP-95	1.00

Parameter	Units	1	2	3
METHYL T-BUTYL ETHER	UG/L	<5.0	<5.0	<5.0
BENZENE	UG/L	<0.50	<0.50	<0.50
TOLUENE	UG/L	<0.50	<0.50	<0.50
ETHYLBENZENE	UG/L	<0.50	<0.50	<0.50
XYLENES (TOTAL)	UG/L	<1.0	<1.0	<1.0
FUEL HYDROCARBONS	UG/L	<50	<50	<50
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	90	92	90

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 508297
Project # : G317853/10-017-05-001
Project Name: BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
4	S-4	WATER	29-AUG-95	N/A	12-SEP-95	1.00
5	S-5	WATER	29-AUG-95	N/A	12-SEP-95	2.00
6	S-6	WATER	29-AUG-95	N/A	12-SEP-95	20.00

Parameter	Units	4	5	6
METHYL T-BUTYL ETHER	UG/L	<5.0	820	2600
BENZENE	UG/L	<0.50	<1.0	430
TOLUENE	UG/L	<0.50	<1.0	<10
ETHYLBENZENE	UG/L	<0.50	<1.0	340
XYLENES (TOTAL)	UG/L	<1.0	<2.0	40
FUEL HYDROCARBONS	UG/L	<50	190	8300
HYDROCARBON RANGE		C6-C12	C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE	GASOLINE
SURROGATES				
TRIFLUOROTOLUENE	%	94	92	108

GAS CHROMATOGRAPHY RESULTS

Test : MOD EPA 8015-CDOHS/8020 (HYDROCARBONS C6-C12/BTXE)
Client : ALISTO ENGINEERING ATI I.D. : 508297
Project # : G317853/10-017-05-001
Project Name: BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

Sample #	Client ID	Matrix	Date Sampled	Date Extracted	Date Analyzed	Dil. Factor
7	S-7	WATER	29-AUG-95	N/A	12-SEP-95	20.00
8	S-8	WATER	29-AUG-95	N/A	12-SEP-95	1.00

Parameter	Units	7	8
METHYL T-BUTYL ETHER	UG/L	2200	<5.0
BENZENE	UG/L	430	<0.50
TOLUENE	UG/L	12	<0.50
ETHYLBENZENE	UG/L	360	<0.50
XYLENES (TOTAL)	UG/L	37	<1.0
FUEL HYDROCARBONS	UG/L	9400	<50
HYDROCARBON RANGE		C6-C12	C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE	GASOLINE
SURROGATES			
TRIFLUOROTOLUENE	%	103	90

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 36673
Client : ALISTO ENGINEERING
Project # : G317853/10-017-05-001
Project Name: BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

ATI I.D. : 508297
Date Extracted: N/A
Date Analyzed : 11-SEP-95
Dil. Factor : 1.00

Parameters	Units	Results
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	97

GAS CHROMATOGRAPHY - QUALITY CONTROL

REAGENT BLANK

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank I.D. : 36704
Client : ALISTO ENGINEERING
Project # : G317853/10-017-05-001
Project Name: BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

ATI I.D. : 508297
Date Extracted: N/A
Date Analyzed : 12-SEP-95
Dil. Factor : 1.00

Parameters	Units	Results
METHYL T-BUTYL ETHER	UG/L	<5.0
BENZENE	UG/L	<0.50
TOLUENE	UG/L	<0.50
ETHYLBENZENE	UG/L	<0.50
XYLENES (TOTAL)	UG/L	<1.0
FUEL HYDROCARBONS	UG/L	<50
HYDROCARBON RANGE		C6-C12
HYDROCARBONS QUANTITATED USING		GASOLINE
SURROGATES		
TRIFLUOROTOLUENE	%	97

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
MSMSD # : 78465
Client : ALISTO ENGINEERING

Project # : G317853/10-017-05-001
Project Name: BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

ATI I.D. : 508297
Date Extracted: N/A
Date Analyzed : 12-SEP-95
Sample Matrix : WATER
REF I.D. : 508297-01

Parameters	Units	Sample Result	Conc Spike	Spiked Sample	% Rec	Dup Spike	Dup % Rec	RPD
BENZENE	UG/L	<0.50	5.0	5.0	100	5.4	108	8
TOLUENE	UG/L	<0.50	5.0	5.1	102	5.7	114	11

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample Result - Duplicate Spike Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 58774
Client : ALISTO ENGINEERING
Project # : G317853/10-017-05-001
Project Name : BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

ATI I.D. : 508297
Date Extracted: N/A
Date Analyzed : 11-SEP-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	4.9	5.0	98
TOLUENE	UG/L	<0.50	5.0	5.0	100

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

GAS CHROMATOGRAPHY - QUALITY CONTROL

BLANK SPIKE

Test : MOD EPA 8015-CDOHS (FUEL HYDROCARBONS/BTXE)
Blank Spike #: 58815
Client : ALISTO ENGINEERING
Project # : G317853/10-017-05-001
Project Name : BP SITE#11116/7179 VILLAGE PKWY DUBLIN, CA

ATI I.D. : 508297
Date Extracted: N/A
Date Analyzed : 12-SEP-95
Sample Matrix : WATER

Parameters	Units	Blank Result	Spiked Sample	Spike Conc.	% Rec
BENZENE	UG/L	<0.50	5.2	5.0	104
TOLUENE	UG/L	<0.50	5.3	5.0	106

% Recovery = (Spike Sample Result - Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spiked Sample - Blank Result)*100/Average Result

KAPREALIAN ENGINEERING
INCORPORATED

TRANSMITTAL PAGE

DATE: October 11, 1995

TO: Joe Neely
Enviros

FROM: TOM BERKINS

Number of pages (including cover): 1

SUBJECT: Unocal S/S # 5366
7375 Amador Valley Blvd., Dublin

Well #	Ground Water Elevation (feet)	Depth to Water (feet)♦	Total Well Depth (feet)♦	Product Thickness (feet)	Sheen	Water Purged (gallons)
(Monitored and Sampled August 25, 1995)						
MW1	326.39	9.68	19.50	0	No	7
MW2*	327.02	9.76	19.27	0	--	0
MW3*	326.95	10.03	18.90	0	--	0
MW4*	326.35	10.08	19.41	0	--	0
MW5	326.39	9.57	20.00	0	No	7.5

* Monitored only.
♦ From TOC

****

If any problems occur in receiving, please call the number listed below

2401 Stanwell Drive, Suite 400
Concord, CA 94520
Tel. 510/602-5100 Fax: 510/687-0602