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WESTON SOLUTIONS, INC.

OMEGA CHEMICAL SUPERFUND SITE
WHITTIER, CALIFORNIA

SECOND QUARTER 2003
GROUNDWATER MONITORING REPORT

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SECOND QUARTER 2003
GROUNDWATER MONITORING REPORT

Contract No.: DACA45-98-D-0004
Task Order No.: 0009

September 2003

Prepared for:

U.S. Environmental Protection Agency
Region IX

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1.0 INTRODUCTION

This quarterly monitoring report summarizes the results of the quarterly groundwater sampling event performed by Weston Solutions, Inc. (WESTON®) conducted in May 2003 at the Omega Chemical Company National Priorities List (NPL) site located in Whittier, California. The groundwater investigations and monitoring were conducted in support of the remedial investigation (RI) of groundwater at Operable Unit Number 2 (OU-02) of the Omega Chemical NPL Site. The purpose of the monitoring report is to document results of the May 2003 quarterly groundwater sampling event in the OU-02 area. Monitoring wells are located in both the cities of Whittier and Santa Fe Springs.

This document is a deliverable under Work Assignment No. 009 and the U.S. Army Corps of Engineers Rapid Response Contract with WESTON, No. DACA45-98-D-0004, in support on the U.S. Environmental Protection Agency (EPA) for the OU-02 Groundwater Remedial Investigation/Feasibility Study at the Omega Chemical Superfund Site.

Camp, Dresser & McKee (CDM), the consultant for the Omega PRP Organized Group (OPOG) has reduced the sampling of the OPOG wells to a biannual event. WESTON sampled the ten monitoring wells installed by CDM and others within the vicinity of the site, as well as the 18 wells extending downgradient of the Omega site, which were installed by WESTON under contract with EPA. The EPA OU-02 wells are designated as "MW" (e.g. MW01A) and OPOG wells are designated as "OW" (e.g. OW-1A).

1.1 FACILITY BACKGROUND

The Omega Chemical facility is located at 12504 and 12512 East Whittier Boulevard in Whittier, Los Angeles County, California. The city of Santa Fe Springs is located as near as approximately 3,600 feet southwest of the Omega facility. The Omega Chemical Superfund site is divided into two operable units (OUs): OU-01 and OU-02. OU-01 includes the Omega Chemical facility property and extends a short distance west-southwest to Putnam Street. The OU-02 study area encompasses the area surrounding the Omega Chemical facility and extending approximately 1.75 miles to the southwest. A site location map is presented in Figure 1.

The facility operated as a RCRA-permitted solvent and refrigerant recycling and treatment facility, handling primarily chlorinated hydrocarbons and chlorofluorocarbons from approximately 1976 to 1991. Drums and bulk loads of waste solvents and chemicals from various industrial activities were processed to form commercial products. Chemical, thermal, and physical treatment processes are believed to have been used to recycle the waste materials. A summary of the site operational history is provided in the Phase 1 and 2 Groundwater Characterization Report (WESTON, 2002, 2003).

1.2 MONITORING WELL LOCATIONS

The Phase I Groundwater Characterization Report (WESTON, 2002) describes the installation parameters and locations for the 18 monitoring wells installed by WESTON under contract with EPA in December 2001. Boring logs showing screened intervals and lithology for the EPA monitoring wells are provided in the Phase 2 Groundwater Characterization Report (WESTON, 2003). Installation, lithology, and construction of the OPOG wells are presented in several documents: *Phase II Close Out Report,* (England and Hargis, 1996, including Technical Memoranda addendums); *Phase 1a Pre-Design Field Investigation Report,* (CDM, 1999); *Proposed Completion Depth of Well OW-5,* (CDM, July 13, 2001); *Sampling and Analysis Plan Addendum for Additional Data Collection in the Phase 1a Area,* (CDM, May 31, 2002). The convention used for the well identifications includes "MW" for the EPA OU-02 wells, a two-digit number, and a suffix "A" (for the shallowest wells) through "D" (for the deepest wells). OPOG wells have been named as indicated by CDM, although WESTON has assigned an "A" suffix to the shallower well OW1A of the pair of wells near the rear of the Omega facility. Well locations and construction summaries are described in Table 1. Well locations and groundwater gradients are depicted in Figure 2.

Table 1: Monitoring Well Summary

Well ID	Location	Total Depth (feet bgs)	Screen Interval (feet bgs)
EPA OU-02 Shallow Wells			
MW01A	West side of Rivera Rd., south of Washington Blvd.	60	45-60
MW02A	West side of Byron Rd., south of Rivera Rd.	60	45-60
MW03A	Southwest side of McGee St., northwest of Santa Fe Springs Rd.	48	37.7-48
MW04A	Southeast side of Chetle Ave., north of Slauson Ave.	53	42.7-53
MW05A	East side of Chetle Ave., between Slauson Ave. and Rivera Rd.	53.6	43.3-53.6
MW06A	South side of Rivera Rd., just east of Wellsford Pl.	47.5	37.1-47.5
MW07A	Off Santa Fe Springs Rd., in York Park parking lot.	46	35.7-46
MW08A	North side of Burke St., just east of Sorenson Ave.	45	30-45
MW09A	South side of Burke St., between Sorenson Ave. and Dice Rd.	35	25-35
MW10A	Southwest side of Sorenson Ave., just southeast of John St.	62	52-62
MW11A	Southwest side of Sorenson Ave., just west of Santa Fe Springs Rd.	50	40-50
EPA OU-02 Intermediate Wells			
MW01B	West side of Rivera Rd., south of Washington Blvd.	85.4	75-85.4
MW04B	Southeast side of Chetle Ave., north of Slauson Ave.	80	69.7-80
MW08B	North side of Burke St., just east of Sorenson Ave.	75	65-75
MW09B	South side of Burke St., between Sorenson Ave. and Dice Rd.	60	49.7-60
EPA OU-02 Deep Wells			
MW04C	South side of Chetle Ave., east of Slauson Ave.	99	88.7-99
MW08C	North side of Burke St., just east of Sorenson Ave.	91.7	86.7-91.7
MW08D	North side of Burke St., just east of Sorenson Ave.	120	110-120
OPOG Shallow Wells			
OW-1A	12512 E. Whittier Blvd. (Omega site)	80	62.5-77.5
OW-2	West side of Putnam St. in front of 12482 Putnam St.	85	60-80
OW-3	West side of Putnam St., in front of property address 12519 Washington Blvd.	85	63-83
OW-4A	North side of Washington Blvd., west of Adler St.	74.8	49.8-69.8
OW-5	South side of Rivera Rd., just west of Byron St.	51	30-50
OW-6	West side of Lambert St., south of Washington Blvd.	58	38-58
OW-7	On the Whittier Blvd. frontage road, just north of the Omega site.	90.9	70.9-90.9
OW-8	Between OW-2 and OW-3 on west side of Putnam St.	80	60.4-80
OPOG Intermediate/Deep Wells			
OW-1B	Southwest of OW-1A, on adjacent Terra Pave property located on Putnam St.	130	110-120
OW-4B	Immediately adjacent to the east of OW-4A	127.2	112-122.3

2.0 QUARTERLY MONITORING DATA

2.1 GENERAL

This report presents the groundwater monitoring data for the second quarter 2003 (May) groundwater sampling. Groundwater samples were analyzed for combinations of volatile organic compounds (VOCs), total target analyte list (TAL) metals, dissolved TAL metals, cyanide, and perchlorate. In addition, samples from selected OPOG and EPA wells (MW02A, MW04A, MW04B, MW05A, MW06A, MW08A, MW10A, OW1A, OW1B, OW4A, OW5, OW6, and OW8) were analyzed for 1,4-dioxane. Although other water quality parameters including nitrogen (as nitrate + nitrite), total dissolved solids (TDS), total organic carbon (TOC), and anions were reported the previous quarter, these parameters are monitored on an annual basis and were not analyzed for the second quarter of 2003.

Monitoring well locations, water levels, and validated groundwater analytical data for this project have been entered into a database management system. The analytical results are presented in tabular format in Appendix A. A statistical summary of results is included in Appendix B. A well location and groundwater elevation map, and maps depicting concentrations of selected analytes have been included to graphically present the groundwater monitoring database (Figures 2 through 10).

Groundwater sampling was conducted in accordance with the Sampling and Analysis Plan (SAP), consisting of a Field Sampling Plan (FSP) and a Quality Assurance Project Plan (QAPP), and approved by the EPA Quality Assurance Management Section (QAMS) (WESTON, 2001). Sampling and analytical methodologies are described in the SAP. VOCs, total and dissolved TAL metals, and cyanide were analyzed via the EPA Contract Laboratory Program (CLP). Perchlorate and 1,4-dioxane were analyzed by the EPA Region IX Laboratory in Richmond, California. Data validation was conducted by QAMS. Data validation reports are presented with hard copy data for the Region 9 Laboratory analyses in Appendix C. The analytes received Tier 1A validation. For CLP data, automated Tier 1A validation was completed using CADRE software. Chain-of-custody documentation is contained in Appendix D.

The EPA OU-02 monitoring wells are equipped with dedicated bladder pumps and tubing that connect to a compressor at ground surface. Purging was accomplished using low flow methods. The flow rate was adjusted to approximately 0.1 gallons per minute (gpm). The depth to water was constantly monitored to ensure that the water level did not decline more than 0.3 feet during the low flow purge. Water quality parameters, including temperature, pH, specific conductance, dissolved oxygen (DO), and oxidation/reduction potential (ORP), were monitored at approximate three-minute intervals for stability. Purging continued for at least 30 minutes and until the water quality parameters stabilized within the ranges specified in the FSP. Samples were collected through the dedicated tubing.

WESTON subcontracted Blaine Tech Services, Inc. to purge and monitor parameters at the OPOG wells and assist in sample collection. Water quality parameters monitored for the OPOG wells included temperature, pH, specific conductance, DO, ORP, and turbidity. The wells were purged at rates of approximately 0.3 to 4.0 gpm. Wells were purged of at least three well casing and saturated gravel pack volumes, and until water quality parameters stabilized within specified limits. For wells that pumped dry prior to achieving three volumes, purging ceased and sampling proceeded after the water level recovered to at least 80 percent of the original level. Sampling of the OPOG wells was accomplished using disposable bailers for VOCs and through the dedicated tubing for all other analytes.

Field sampling forms documenting the purge records for both the EPA OU-02 and OPOG wells are included in Appendix E. The ranges of values for the water quality parameters monitored during purging are discussed below in Section 2.3.

2.2 GROUNDWATER ELEVATION AND FLOW

Depth to groundwater in 16 of the 18 EPA OU-02 wells and 9 of the 10 OPOG wells was measured on 12 May 2003. Due to the inaccessibility of the remaining wells on that date, water levels were measured at those locations subsequently. Measured depths to groundwater and calculated groundwater elevations are presented in Table 2. Due to the two groups of monitoring wells having been surveyed for elevation based on different benchmarks and each using a different datum, an assumed correction of +2.2 feet has been applied to the top of casing (toc) elevation for the OPOG wells. This correction also provides close agreement in water level between wells MW01A, MW02A, and OW-5, which are located in the same area.

Depth to water in the wells near the Omega site ranges from approximately 29 to 77 feet below ground surface (bgs), whereas farther downgradient toward Santa Fe Springs, water occurs as shallow as approximately 22 feet bgs (well MW07A).

Groundwater gradient and flow direction varies with location. In the vicinity of the Omega site, the gradient is generally toward the west-southwest, at a relatively steep 0.009 ft./ft. In the vicinity of Rivera Road and Washington Blvd., the gradient flattens considerably, to 0.00095 to 0.0013 ft./ft. toward the southwest. Farther southwest, the gradient is approximately 0.003 ft./ft. toward the southwest (along the southeastern part of the well network area) or toward the south (in the western portion of the well network area). Well locations and groundwater elevation contours for the shallow wells in the monitoring network are presented in Figure 2. The gradients described were measured using the contours on the scaled map.

Comparison of groundwater elevations between clustered wells with different screened intervals suggests either net downward or upward vertical hydraulic gradients, depending which wells are compared. At MW01A and MW01B, the wells are screened at different depths within essentially the same lithologic unit. The slightly higher water elevation in

Table 2: Second Quarter 2003 Water Levels

Well ID	Elevation at Top of Casing (feet MSL)	Depth to Water (feet btoc)	Depth to Top of Screen Interval (feet btoc)	Groundwater Elevation (feet MSL)	Change in Groundwater Elevation from Previous Quarter (feet)
MW01A	158.21	32.33	45	125.88	2.35
MW01B	158.09	32.32	75	125.77	2.24
MW02A	154.74	29.05	45	125.69	2.13
MW03A	151.99	27.85	37.7	124.14	1.2
MW04A	147.20	24.5	42.7	122.70	1.87
MW04B	147.23	24.4	69.7	121.34	0.38
MW04C	147.10	25.89	88.7	121.21	2.01
MW05A	151.57	26.3	43.3	125.27	2.33
MW06A	150.63	25.84	37.1	124.79	2.75
MW07A	143.65	21.9	35.7	121.75	1.25
MW08A	150.25	27.7	30	122.55	2.37
MW08B	150.11	27.7	65	122.41	2.36
MW08C	150.14	28.37	86.7	121.77	2.41
MW08D	150.02	31.84	110	118.18	2.63
MW09A	149.37	26.35	25	123.02	2.47
MW09B	149.34	29.41	49.7	119.93	2.96
MW10A	147.71	33.45	52	114.26	1.62
MW11A	151.20	36.2	40	115.00	1.23
OW-1A	212.50*	76.51	62.5	135.99	-0.07
OW-1B	207.18*	75.72	110	131.46	1.32
OW-2	202.30*	68.95	60	133.35	0.33
OW-3	198.53*	65.25	63	133.28	0.25
OW-4A	184.67*	57.49	49.8	127.18	1.02
OW-4B	184.42*	60.42	112	124.00	2.19
OW-5	154.16*	28.65	30	125.51	2.17
OW-6	172.74*	46.3	38	126.44	1.19
OW-7	214.21*	76.7	70.9	137.51	0.1
OW-8	200.62*	67.14	60.4	133.48	0.22

*— Adjustment of 2.2 feet added to top of casing elevation to equalize survey datums.

MW01A (+0.11 feet) could indicate net downward gradient there, but the similarity in elevations is more suggestive of a static condition vertically at this location.

A net downward gradient is indicated between the intervals screened in MW04A and MW04B, where two sands are separated by a silt interval at least five feet in thickness. Groundwater elevation in MW04A was 1.36 feet higher than in MW04B. Higher contaminant concentrations are typically reported from MW04B. A downward vertical gradient is suggested between MW04B and MW04C, based on a 0.13-foot difference in groundwater elevations. An approximately 8-foot thickness of clay to sandy silt separates the screened intervals between MW04B and MW04C. Contaminant concentrations are much lower in MW04C.

At the MW08 cluster of wells, lower groundwater elevations in progressively deeper-screened wells indicate a consistent downward vertical gradient. Differences between MW08A, MW08B, and MW08C were relatively small (0.78 feet between MW08A and MW08C), but groundwater elevation in MW08D during the second quarter 2003 was 4.37 feet lower than in MW08A. Most contaminant concentrations decrease sharply with screen depth at this location, but reported trichloroethene (TCE) concentrations are elevated in MW08D relative to MW08B or MW08C.

Significantly lower groundwater elevations were also measured for the deeper wells of the pairs at MW09A and MW09B, OW1A and OW1B, and OW4A and OW4B, which indicate a vertical gradient that is typically downward. Concentrations of most analytes are lower in deeper wells.

Groundwater levels increased in all but one of the monitoring wells between the first and second quarter of 2003. The differences were typically about one to two feet between quarters, but an increase of almost three feet was observed at MW09B. Graphical depictions of groundwater elevation trends in groups of wells are shown on the charts in Appendix F.

2.3 WATER QUALITY PURGE PARAMETERS

The stabilized ranges in water quality parameters observed between wells during purging are discussed below. The parameters include temperature, pH, specific conductance (conductivity), turbidity, dissolved oxygen (DO), and oxidation/reduction potential (ORP). Copies of field purge records are included in Appendix D.

Temperatures ranged from 20.1 to 24.5 degrees Celsius. Values for pH ranged from approximately 5.9 to 7.5. Conductivity values in most wells ranged from about 973 to 2,170 umohs/cm, although 2,570 umohs/cm was observed at MW07A. Turbidity was not monitored quantitatively for the MW wells, but ranged from less than 1 NTU to approximately 166 NTUs for the OPOG wells, although 751 NTU was observed at OW1B. DO was measured for the OPOG wells and ranged from approximately 1.23 mg/L to 4.38 mg/L. ORP ranged from approximately 10 to 159 millivolts (mV) at most locations. However, negative ORP values were observed during purging of wells OW1A, OW1B, and OW8, suggesting that relatively anoxic or reducing conditions may occur at these locations.

Wells OW1A and OW1B, located near the southwest side of the Omega site, pumped dry after about 9 and 35 gallons, respectively. OW1A had a purge rate of approximately 0.3 gpm and OW1B had a purge rate of approximately 0.7 gpm. The water level was allowed to recover in these wells before sample collection. Upgradient well OW7 was able to sustain an approximate 1.3 gpm rate through a 93-gallon purge. Wells OW2, OW3, and OW8 were purged at 2 gpm, 1.5 gpm, and 3.3 gpm, respectively, and did not dewater. The remaining OW wells farther downgradient were purged at a rate of approximately 4 gpm with either little or sustainable drawdown.

2.4 QUARTERLY MONITORING PARAMETERS

A list of samples and analyses performed, including field quality control (QC) samples, is presented in Table 3. Tabulated analytical results and data validated reports are presented in Appendices A and C, with a statistical summary in Appendix B.

Table 3: Second Quarter 2003 Sample Analysis Matrix

Sample ID	VOCs	Total Metals + CN	Dissolved Metals	1,4-Dioxane	Perchlorate	Comments
GW203-MW01A-0055	X	X	X		X	
GW203-MW01A-2008	X					Trip Blank
GW203-MW01B-0080	X	X	X		X	
GW203-MW01B-1080	X	X	X		X	Sequential Duplicate
GW203-MW02A-0055	X	X	X	X	X	
GW203-MW03A-0042	X	X	X		X	
GW203-MW03A-2004	X					Trip Blank
GW203-MW04A-0047	X	X	X	X	X	
GW203-MW04A-1047	X	X	X	X	X	Sequential Duplicate
GW203-MW04A-2005	X					Trip Blank
GW203-MW04B-0075	X	X	X	X	X	
GW203-MW04C-0094	X	X	X		X	
GW203-MW05A-0049	X	X	X	X	X	
GW203-MW06A-0042	X	X	X	X	X	
GW203-MW07A-0041	X	X	X		X	
GW203-MW08A-0040	X	X	X	X	X	
GW203-MW08B-0070	X	X	X		X	
GW203-MW08B-2006	X					Trip Blank
GW203-MW08C-0087	X	X	X		X	
GW203-MW08D-0116	X	X	X		X	
GW203-MW09A-0032	X	X	X		X	
GW203-MW09A-2007	X					Trip Blank
GW203-MW09B-0054	X	X	X		X	
GW203-MW10A-0057	X	X	X	X	X	Incl. Lab QC Volumes
GW203-MW11A-0045	X	X	X		X	
GW203-OW1A-0080	X	X	X	X	X	
GW203-OW1A-2001	X					Trip Blank
GW203-OW1B-0116	X	X	X	X	X	
GW203-OW2-0078	X	X	X		X	Incl. Lab QC Volumes for VOCs only
GW203-OW3-0080	X	X	X		X	
GW203-OW4A-0073	X	X	X	X	X	
GW203-OW4A-2002	X					Trip Blank
GW203-OW4B-0125	X	X	X		X	Incl. Lab QC Volumes
GW203-OW5-0048	X	X	X	X	X	
GW203-OW5-1048	X	X	X	X	X	Sequential Duplicate
GW203-OW6-0055	X	X	X	X	X	
GW203-OW6-2003	X					Trip Blank
GW203-OW7-0081	X	X	X		X	
GW203-OW7-4001	X					Equipment Blank
GW203-OW8-0075	X	X	X	X	X	

2.4.1 Volatile Organic Compounds (VOCs)

Groundwater samples collected during the May 2003 quarterly sampling event were analyzed for VOCs using EPA CLP Analytical Services (CLPAS) Method OLC03.2 for low-level volatiles. Dilution was necessary prior to analysis in several samples due to elevated contaminant concentrations. The dilution raised the reporting limits for other analytes, resulting in estimated or non-detect results for lower concentration analytes that might be present in some samples.

VOCs with concentrations (including estimated, J-flagged values) equaling or exceeding California Maximum Contaminant Levels (MCLs) in at least one well were benzene; 1,2-dichloroethane (1,2-DCA); 1,1-dichloroethene (1,1-DCE); cis-1,2-dichloroethene (cis-1,2-DCE); methyl-tertiary-butyl ether (MTBE); tetrachloroethene (PCE); 1,1,1-trichloroethane (1,1,1-TCA); trichloroethene (TCE); trichlorofluoromethane (Freon 11); 1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113); and chloroform.

The highest concentrations of PCE, TCE, Freon 113, 1,1-DCE, 1,1,1-TCA, and 1,2-DCA were detected primarily beneath or immediately downgradient of the Omega site. Elevated concentrations of PCE, TCE, Freon 11, Freon 113, and 1,1-DCE were also detected in wells as far as approximately 3,500 feet downgradient of Omega.

The highest concentrations of cis-1,2-DCE were detected upwards of 2,850 feet downgradient of the Omega site in well OW5 (67 ug/L). The highest concentration of MTBE was detected in well OW6 (53 ug/L) located approximately 1,650 feet downgradient. 1,1-DCA was detected in wells immediately downgradient of the Omega site and in wells located over one mile from the site.

Concentrations of PCE, TCE, Freon 113, Freon 11, cis-1,2-DCE, chloroform, acetone, and 1,1-DCE are presented in Figures 3 through 10. Representative isoconcentration contours are included on Figures 3 through 6. These contours are adapted from two phases of an exploratory investigation by WESTON (2002, 2003), adjusted to reflect the quarterly monitoring data. The historical contours from the explorations are shown as dotted lines, while the portions reflecting the monitoring data are shown as dashed lines.

PCE was detected in 10 of the 11 shallow EPA wells (MW01A through MW11A, but not MW03A), at concentrations ranging from 17 ug/L in MW11A to 2,700 ug/L in MW02A. PCE was detected in all four of the intermediate-depth EPA wells (MW01B, MW04B, MW08B, and MW09B) at concentrations ranging from 9.3 ug/L in MW08B to 1,500 ug/L in MW04B.

PCE was detected at a concentration of 9.3 ug/L in MW08C and 17 ug/L in MW04C. PCE was detected in the deepest well (MW08D) at a concentration of 2^J ug/L. The "J" superscript is a data validation flag indicating an estimated value. PCE exceeded the MCL of 5 ug/L in all EPA OU-02 wells except MW03A and MW08D (including estimated, J-flagged results).

PCE was reported in all eight of the shallow OPOG wells (OW1A through OW8), ranging from 11 ug/L in OW7 to 160,000 ug/L in OW1A. PCE was detected at a concentration of 42 ug/L in well OW4B and 61 ug/L in OW1B. PCE exceeded the MCL in all OPOG wells.

TCE was detected in 10 of the 11 shallow EPA wells at concentrations ranging from 2 ug/L in MW11A to 1,100 ug/L in wells MW05A. TCE was detected in all four of the intermediate EPA wells at concentrations ranging from 1.9 ug/L in MW08B to 520 ug/L in MW04B. TCE was detected in both of the deeper EPA wells at concentrations of 97 ug/L in MW04C and 2 ug/L in MW08C. TCE was detected at a concentration of 18 ug/L in MW08D. TCE exceeded the MCL of 5 ug/L in all EPA wells except MW03A, MW07A, MW08B, MW08C, MW09B, and MW11A.

TCE was detected in all of the shallow OPOG wells, ranging from 2^J ug/L in OW7 to 2,700 ug/L in OW1A. TCE was detected in both the intermediate OPOG wells at concentrations of 3 ug/L in OW1B and OW4B. TCE exceeded the MCL of 5 ug/L in seven of the eight shallow OPOG wells (not OW7).

Freon 113 results exceeded the MCL of 1,200 ug/L in one EPA intermediate well: MW04B (1,400 ug/L). Freon 113 exceeded the MCL in one shallow OPOG well, OW8, at a concentration of $1{,}200^J$ ug/L. The maximum Freon 11 concentration reported was 530^J ug/L in OW8, and the MCL of 150 ug/L was exceeded in eight wells including MW02A, MW04A, MW04B, MW05A, OW2, OW3, OW6, and OW8.

1,1-DCE was detected in 6 of the 11 shallow EPA OU-02 wells at concentrations ranging from 8^J ug/L in MW09A to 1,200 ug/L in MW02A. 1,1-DCE was detected in the intermediate EPA wells at concentrations ranging from 1.1 ug/L in MW09B to 1,300 ug/L in MW04B. 1,1-DCE was detected in MW04C at 7.7 ug/L and in MW08C at 1.8 ug/L. 1,1-DCE exceeded the MCL of 6 ug/L in wells MW01A, MW01B, MW02A, MW04A, MW04B, MW04C, MW05A, MW09A, and MW10A.

1,1-DCE was detected in six of the eight shallow OPOG wells, ranging from 72 ug/L in OW5 to $1{,}900^J$ ug/L in OW8. This compound appears to have been diluted below the reporting limit at OW1A. 1,1-DCE was not detected in the intermediate OPOG wells. Concentrations of 1,1-DCE exceeded the MCL of 6 ug/L in six of the eight shallow OPOG wells.

Cis-1,2-DCE exceeded the MCL of 6 ug/L in wells MW02A, MW05A, MW08A, and MW09A with a maximum concentration of cis-1,2-DCE detected in MW05A at 34 ug/L. 1,1,1-TCA exceeded the MCL of 200 ug/L in well OW1A, with a concentration of $8{,}000^J$ ug/L. 1,2-DCA exceeded the MCL of 0.5 ug/L in wells MW02A, MW05A, MW09A, MW09B, MW10A, MW11A, and OW1B with a maximum concentration of 73^J ug/L at MW02A.

1,1-DCA was detected in three EPA OU-02 wells and one OPOG well. 1,1-DCA concentrations in the EPA OU-02 wells ranged from 0.63 ug/L in well MW09B to 4.6^J

ug/L in MW09A. OPOG well OW1B, had a reported concentration of 0.6^J ug/L. 1,1-DCA did not exceed the MCL of 5 ug/L in any of the wells.

Benzene approximately equaled the MCL of 1 ug/L in two wells: OW1B and OW4B, with concentrations of 1^J ug/L. MTBE exceeded the MCL of 13 ug/L in wells MW04B (28^J ug/L) and OW6 (53 ug/L).

Although acetone currently has no MCL established, it was detected in nine EPA OU-02 wells and four OPOG wells. Acetone concentrations detected in the EPA wells ranged from 5^J ug/L in MW03A, MW08B, MW08C, and MW09B to 100^J ug/L in MW09A. Acetone was detected in three OPOG wells at concentrations ranging from 25^J ug/L in OW1B to 130^J ug/L in OW4A. Most of the acetone results were flagged as estimated "J" values, primarily because of detections in blanks, laboratory calibration variance, and detections below adjusted reporting limits in diluted samples.

Chloroform exceeded the MCL of 100 ug/L for total trihalomethanes in four wells: MW02A, MW04B, MW05A, and OW8. Concentrations ranged from 180 ug/L in MW04B to 660 ug/L in MW02A.

Well locations with completions at multiple depths typically exhibited lower concentrations of VOCs at greater screen depth intervals. For example, PCE was reported in the shallow well OW1A at a concentration of 160,000 ug/L, whereas the concentration in the deeper well OW1B was reported at 61 ug/L. Another example is the MW08 cluster, where PCE was detected at 390 ug/L in MW08A while 9.3 ug/L of PCE was reported for well MW08B.

However, at the MW04 location, higher concentrations of analytes were detected in the second interval (MW04B) as opposed to the shallow interval (MW04A). PCE was detected in MW04B at a concentration of 1,500 ug/L, while the shallower well, MW04A, had a reported concentration of 780 ug/L. Another location where higher concentrations of certain contaminants were reported from deeper intervals is at the MW08 cluster. The TCE concentration is higher in MW08D (18 ug/L) than in MW08B (1.9 ug/L) or MW08C (2 ug/L).

PCE concentrations in most wells have been relatively consistent through monitoring to date. Concentrations show some variability between quarters at some of these wells. Wells with relatively consistent concentrations include MW01A, MW01B, MW03A, MW04B, MW04C, MW05A, MW06A, MW07A, MW08A, MW08B, MW08C, MW08D, MW09B, MW11A, OW1B, OW3, OW5, OW6, and OW7. Possible trends of increasing PCE concentrations are suggested at wells MW04A, MW09A, MW10A, OW1A, OW2, OW4B, and OW8. A possible trend of decreasing PCE concentration is suggested at well MW02A. PCE concentrations at OW4A are lower than when it was first sampled, and have varied between 15 and 100 ug/L between February 2002 and May 2003.

TCE concentrations in most wells have been relatively consistent through monitoring to date. Concentrations show some variability between quarters at some of these wells. Wells with relatively consistent concentrations include MW01A, MW01B, MW03A, MW04A, MW04B, MW04C, MW05A, MW06A, MW07A, MW08A, MW08B, MW08C, MW08D, MW09A, MW09B, MW11A, OW1B, OW2, OW3, OW4B, OW5, OW6, OW7, and OW8. Possible trends of increasing TCE concentrations are suggested at wells MW10A and OW1A. Possible trends of decreasing TCE concentrations are is suggested at wells MW02A and MW07A. PCE concentrations at OW4A have been relatively consistent but are lower than when OW4A was first sampled.
/
Concentration trends for PCE and TCE at each well are shown on the charts in Appendix G. Non-detect results are not plotted.

2.4.2 Total TAL Metals

Groundwater samples were analyzed for total (unfiltered samples) target analyte list (TAL) metals using CLPAS Method ILM04.1. Aluminum and/or chromium were detected at concentrations exceeding primary MCLs at several locations.

Concentrations of aluminum exceeded the primary MCL of 1,000 ug/L in well OW7 with a concentration of 2,260 ug/L. Total chromium concentrations exceeded the MCL of 50 ug/L in wells MW01A, MW06A, and MW08A with a maximum concentration of 131 ug/L detected in MW01A.

Manganese was detected in 23 of the 28 monitoring wells. Detected concentrations of manganese ranged from 0.39 ug/L at OW4A to 1,590 ug/L at OW8. Iron was detected in 10 of the 28 monitoring wells with detected concentrations ranging from 36.8 ug/L at MW10A to 3,590 ug/L at OW1B.

2.4.3 Dissolved TAL Metals

Groundwater samples were analyzed for dissolved (filtered samples) TAL metals using Method CLPAS ILM04.1. Dissolved total chromium exceeded the MCL of 50 ug/L in wells MW01A, MW06A, and MW08A, with a maximum concentration of 125 ug/L in MW01A.

Dissolved manganese was detected in 21 of the 28 monitoring wells. Detected concentrations of manganese ranged from 0.31 ug/L at OW4A to 1,320 ug/L at OW8. Dissolved iron was detected in wells OW1A, OW1B, OW5, and OW8. Detected concentrations of iron ranged from 44.2 ug/L at OW5 to 721 ug/L at OW8.

2.4.4 Perchlorate

Groundwater samples were analyzed for perchlorate using EPA Method 314.1. Perchlorate was detected in all the 11 shallow EPA OU-02 wells at concentrations ranging from 2.1 ug/L in MW03A to 7 ug/L in well MW07A. Perchlorate was detected

in all four intermediate EPA wells at concentrations ranging from 2.8 ug/L in MW01B to 5.3 ug/L in MW04B. Perchlorate was detected in both of the deeper EPA wells at 3.2 ug/L in MW08C and 3.7 ug/L in MW04C. Perchlorate was detected in the deepest EPA well MW08D at a concentration of 1.6 ug/L. Perchlorate exceeded the California Department of Health Services Drinking Water Action Level for Contaminants of Current Interest of 4 ug/L in all EPA wells except MW01B, MW03A, MW04C, MW08C, MW08D, and MW09A.

Perchlorate was detected in all eight shallow OPOG wells at concentrations ranging from 1.1 ug/L in OW6 to 4.4 ug/L in OW5. Perchlorate was detected in deeper wells OW1B and OW4B at concentrations of 1.2 ug/L and 3.0 ug/L, respectively. Perchlorate concentrations exceeded the California Action Level in OW5.

2.4.5 Total Cyanide

Groundwater samples were analyzed for total cyanide using EPA CLPAS Method ILM04.1. Cyanide did not exceed the primary MCL of 200 ug/L at any sampling location. Cyanide was detected in12 EPA OU-02 wells and in two OPOG wells. Detected concentrations in all wells ranged from 0.45 ug/L in OW1B to 7.2 ug/L in OW1A.

2.4.6 1, 4-Dioxane

Groundwater samples from seven of the EPA wells and six of the OPOG wells were analyzed for 1,4-dioxane using EPA Method 8270. 1,4-dioxane was detected in all of the wells sampled and, except for two (MW06A and OW6), concentrations exceeded the State of California Department of Health Services (Cal-DHS) Action Level of 3 ug/L. 1,4-dioxane was detected at concentrations ranging from 0.9 ug/L in both MW06A and OW6 to 71,000 ug/L in OW1A.

3.0 SUMMARY AND CONCLUSIONS

Groundwater sampling was completed from the 18 EPA OU-02 monitoring wells and the ten OPOG wells during the second quarter of 2003. Due to CDM having reduced the sampling of the OPOG wells to a biannual event, WESTON conducted the sampling for both EPA and OPOG wells.

The 18 OU-02 wells were purged and sampled using low flow sampling methods, collecting samples directly from the discharge. The ten OPOG wells were purged using submersible pumps and sampled using disposable bailers for VOCs and collecting samples for other analyses from the pump discharge.

The primary contaminants of concern detected in the groundwater samples are halogenated VOCs and Freon compounds. Samples were also analyzed for total and dissolved metals, cyanide, and perchlorate. In addition, samples from selected OPOG and EPA wells were also sampled for 1,4-dioxane. Other water quality parameters including nitrogen, TDS, TOC, and anions are monitored on an annual basis only and were not analyzed this quarter.

Depth to water near the Omega site ranges from approximately 29 to 77 feet bgs, whereas farther downgradient toward Santa Fe Springs, water occurs as shallow as approximately 22 feet bgs. The groundwater gradient near the Omega site is generally toward the west-southwest, at a relatively steep 0.009 ft./ft. In the vicinity of Rivera Road and Washington Blvd., the gradient flattens considerably, to as low as 0.00095 ft./ft. toward the southwest. Farther southwest, the gradient is approximately 0.003 ft./ft. toward the southwest (along the southeastern part of the monitoring area) or toward the south (in the western portion of the monitoring area).

Analytical results confirm the occurrence of elevated concentrations of PCE, TCE, Freon 113, and Freon 11 in the groundwater, particularly in the vicinity of the Omega site. The concentrations of these compounds exceed their respective MCLs at most well locations near Omega, in some cases by orders of magnitude. Other VOCs were detected in at least one well with concentrations equaling or exceeding their respectively MCLs including benzene, 1,2-DCA, 1,1-DCE; cis-1,2-DCE, MTBE, and 1,1,1-TCA.

1,4-dioxane was analyzed only for seven of the EPA wells and six of the OPOG wells, and detected in all wells at concentrations ranging from 0.9 ug/L at MW06A and OW6 to 71,000 ug/L at OW1A.

Total metals including aluminum and chromium, and dissolved metals including chromium were reported in concentrations exceeding their respective primary MCLs in one to three well locations each. The maximum total aluminum concentration was 2,260 ug/L at OW7. Maximum total chromium concentration was 131 ug/L at MW01A, and the maximum dissolved total chromium was 125 ug/L at MW01A.

Cyanide did not exceed the primary MCL of 200 ug/L at any sampling location. Cyanide was detected in12 EPA OU-02 wells and in two OPOG wells. Detected concentrations in all wells ranged from 0.45 ug/L in OW1B to 7.2 ug/L in OW1A. Perchlorate was reported in concentrations exceeding the California DHS Drinking Water Action Level of 4 ug/L in 13 monitoring wells, with a maximum concentration of 7 ug/L .

The network of OPOG and OU-02 wells will continue to be sampled on a quarterly basis in order to monitor concentration trends, detect hotspot migration, and evaluate different portions of the contamination plume.

4.0 REFERENCES CITED

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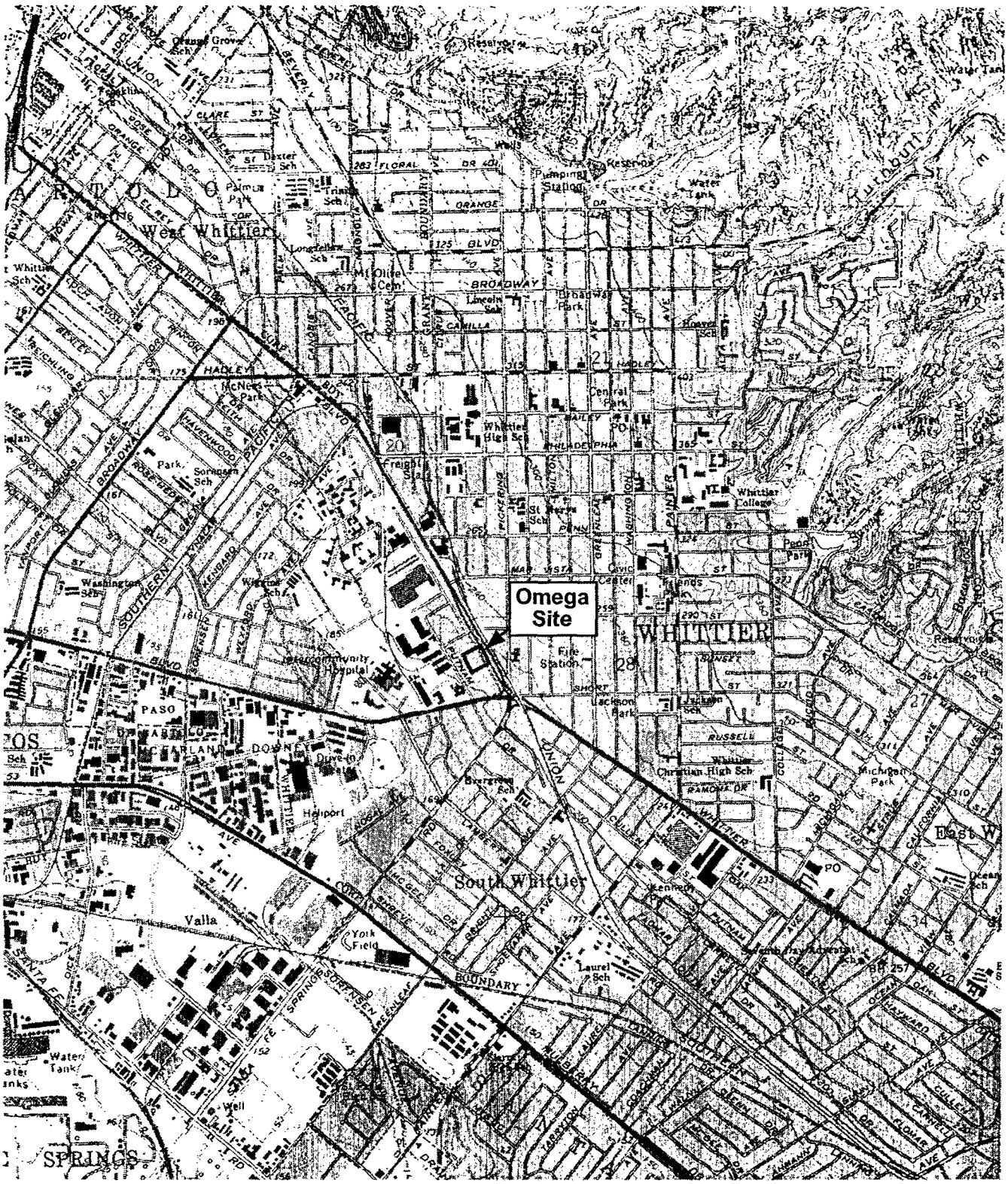
Figures

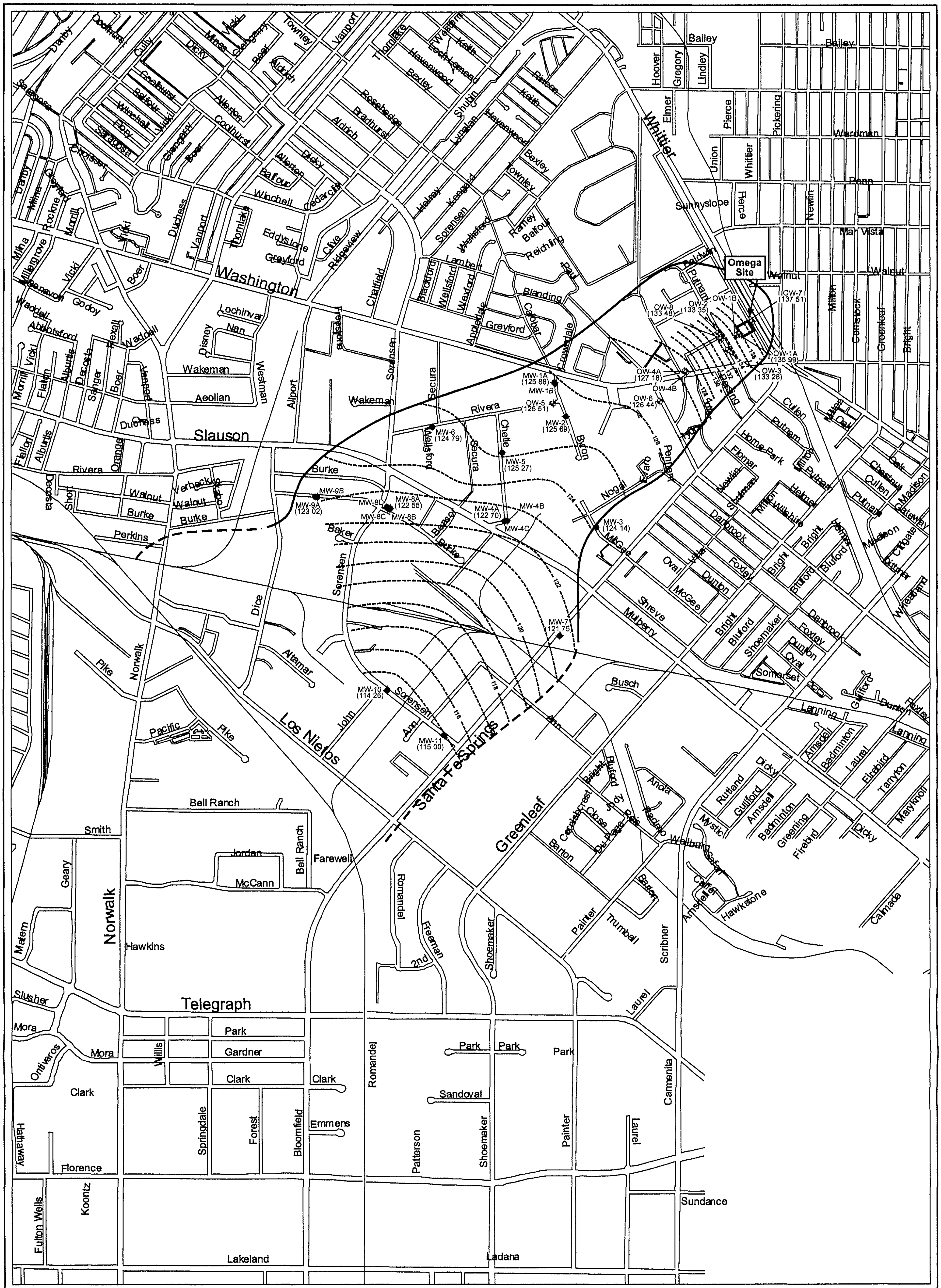


Site Location Map
Omega Superfund Site

WESTON SOLUTIONS

Figure
1

03-0029 Fig1.ai



N

0 600 1200

Scale in Feet

WESTON SOLUTIONS

PRP Monitoring Wells

Phase 1 Monitoring Wells

Approximate Location of Plume

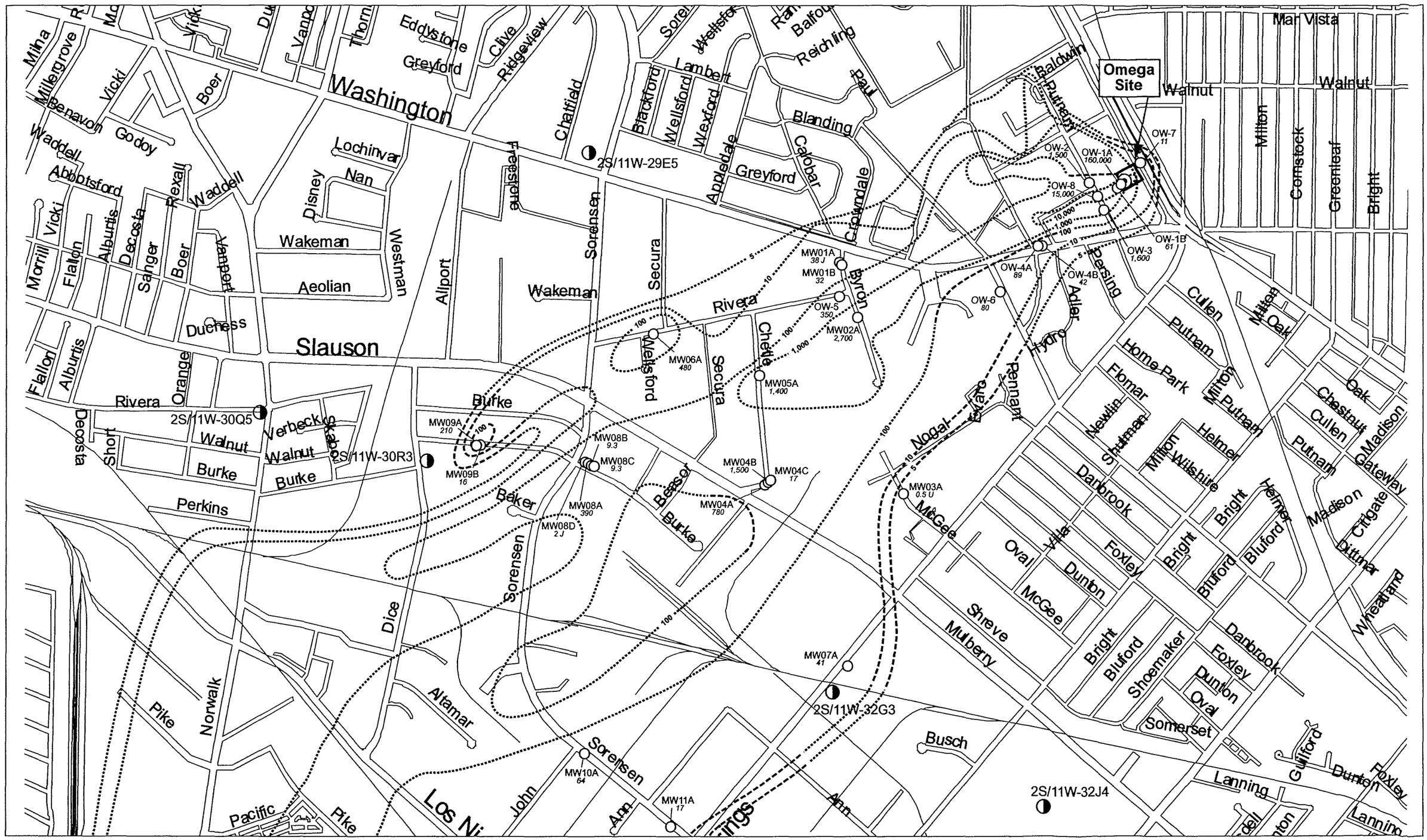
(116.43) Groundwater Elevation (May 2003)

----- Groundwater Elevation Contour (every foot)

Omega Superfund Site
Groundwater Elevations—2nd Quarter 2003

Figure
2

03-0029 Fig2.ai



0 400 800
Scale in Feet

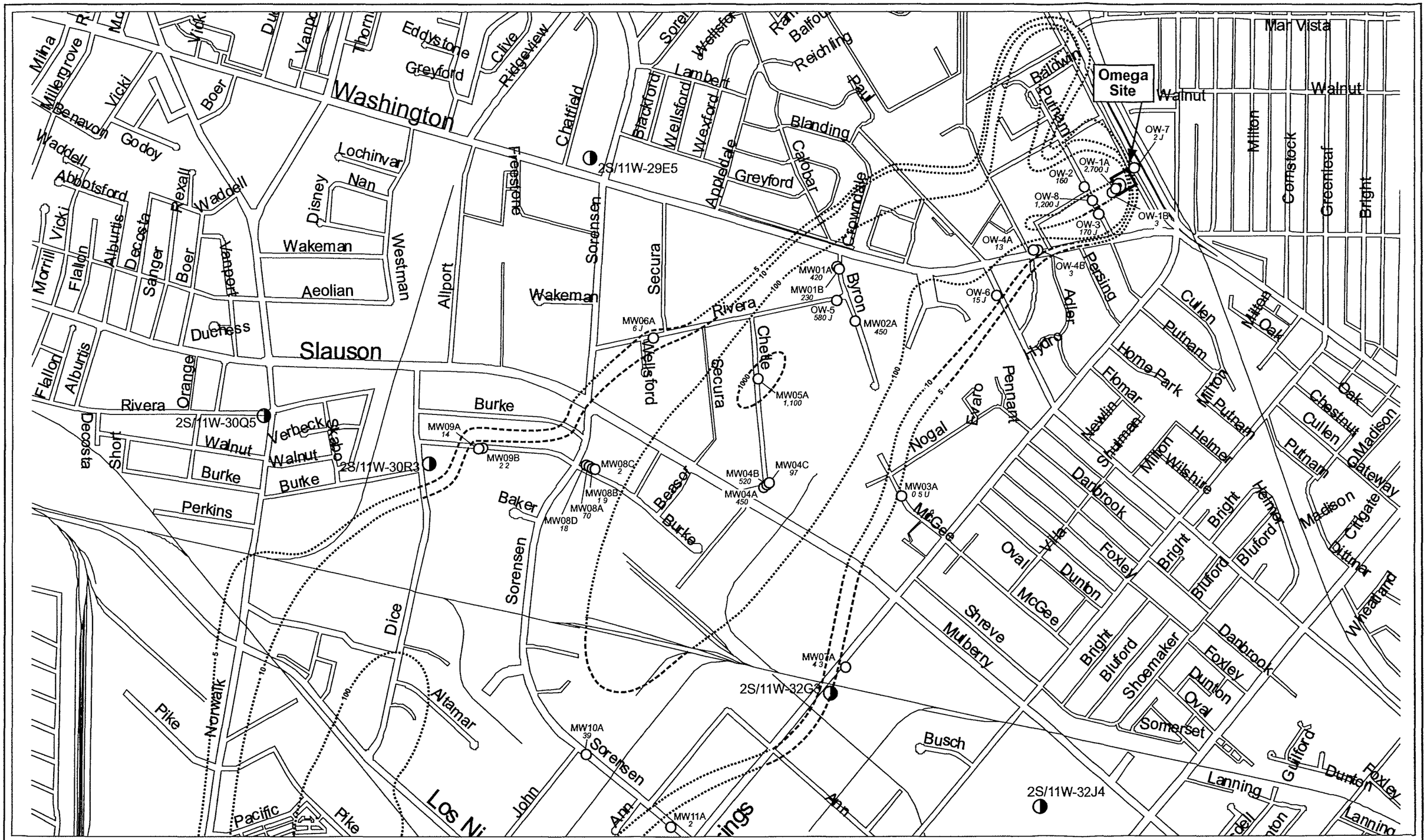
- ○ Existing Monitoring Well and Number
- ◑ Production Well and Number
- --- PCE Isoconcentration Line Based Upon Quarterly Groundwater Sampling Data
- ------ Isoconcentration Line Based Upon Phase 1 (Aug. 2001) and Phase 2 (Aug. 2002) Hydrogeology Investigation Data

Notes:
1) Concentrations in µg/L.
2) Samples collected May 2003.
3) The isoconcentration lines are based on Phase 1 and Phase 2 Hydrogeology Investigation data, but have been updated with the most recent quarterly groundwater sampling data.

PCE Groundwater Concentrations—2nd Quarter 2003
Omega Superfund Site

Figure 3

03-0029 Fig3.ai



0 400 800
Scale in Feet

WESTON SOLUTIONS

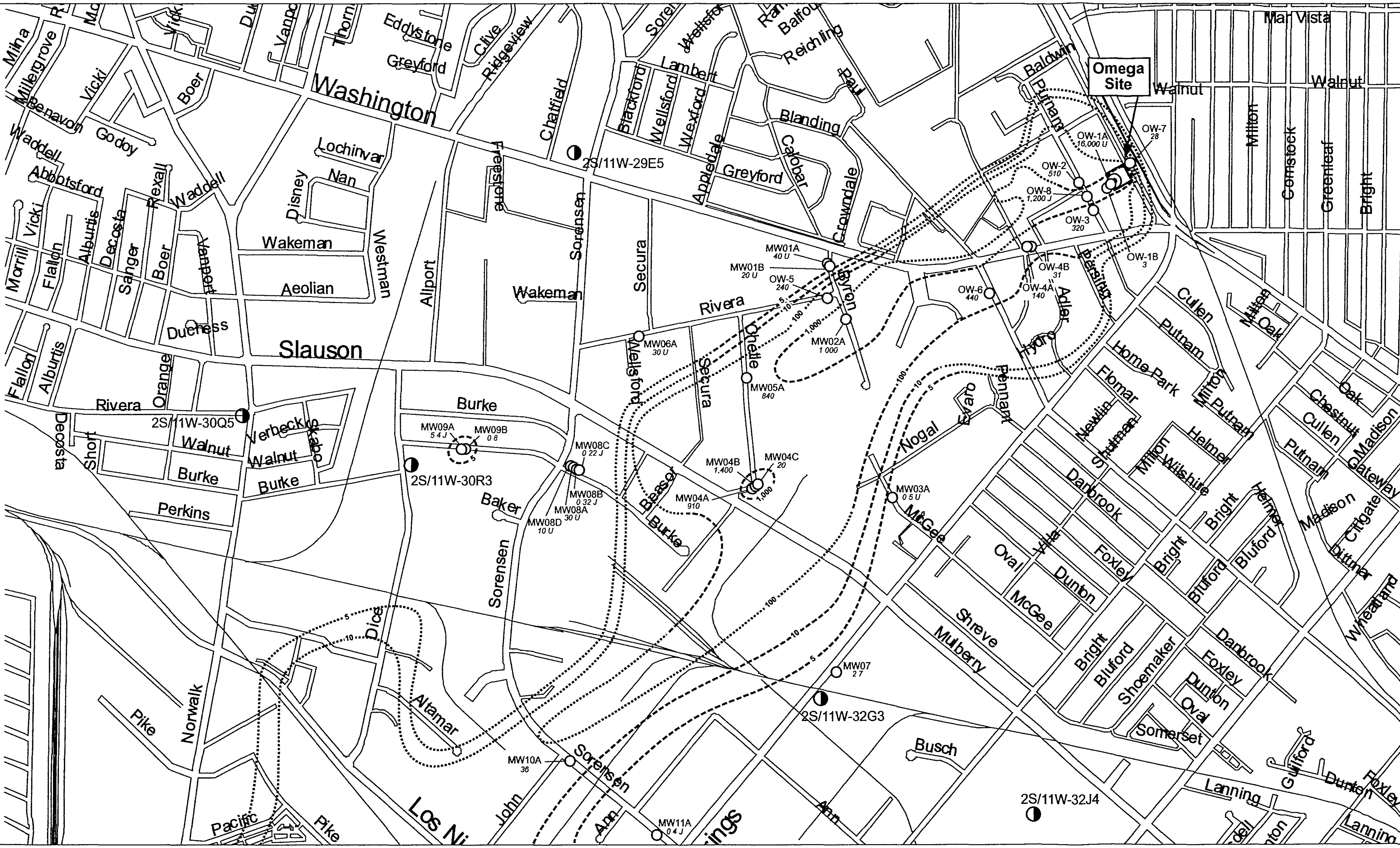
- ○ Existing Monitoring Well and Number
- ◑ Production Well and Number
- --- TCE Isoconcentration Line Based Upon Quarterly Groundwater Sampling Data
- ..... Isoconcentration Line Based Upon Phase 1 (Aug. 2001) and Phase 2 (Aug. 2002) Hydrogeology Investigation Data

Notes:
1) Concentrations in µg/L.
2) Samples collected May 2003.
3) The isoconcentration lines are based on Phase 1 and Phase 2 Hydrogeology Investigation data, but have been updated with the most recent quarterly groundwater sampling data.

TCE Groundwater Concentrations—2nd Quarter 2003
Omega Superfund Site

Figure
4

03-0029 Fig4.ai



0 400 800
Scale in Feet

○ Existing Monitoring Well and Number

◑ Production Well and Number

--- Feon 113 Isoconcentration Line Based Upon Quarterly Groundwater Sampling Data

...... Isoconcentration Line Based Upon Phase 1 (Aug. 2001) and Phase 2 (Aug. 2002) Hydrogeology Investigation Data

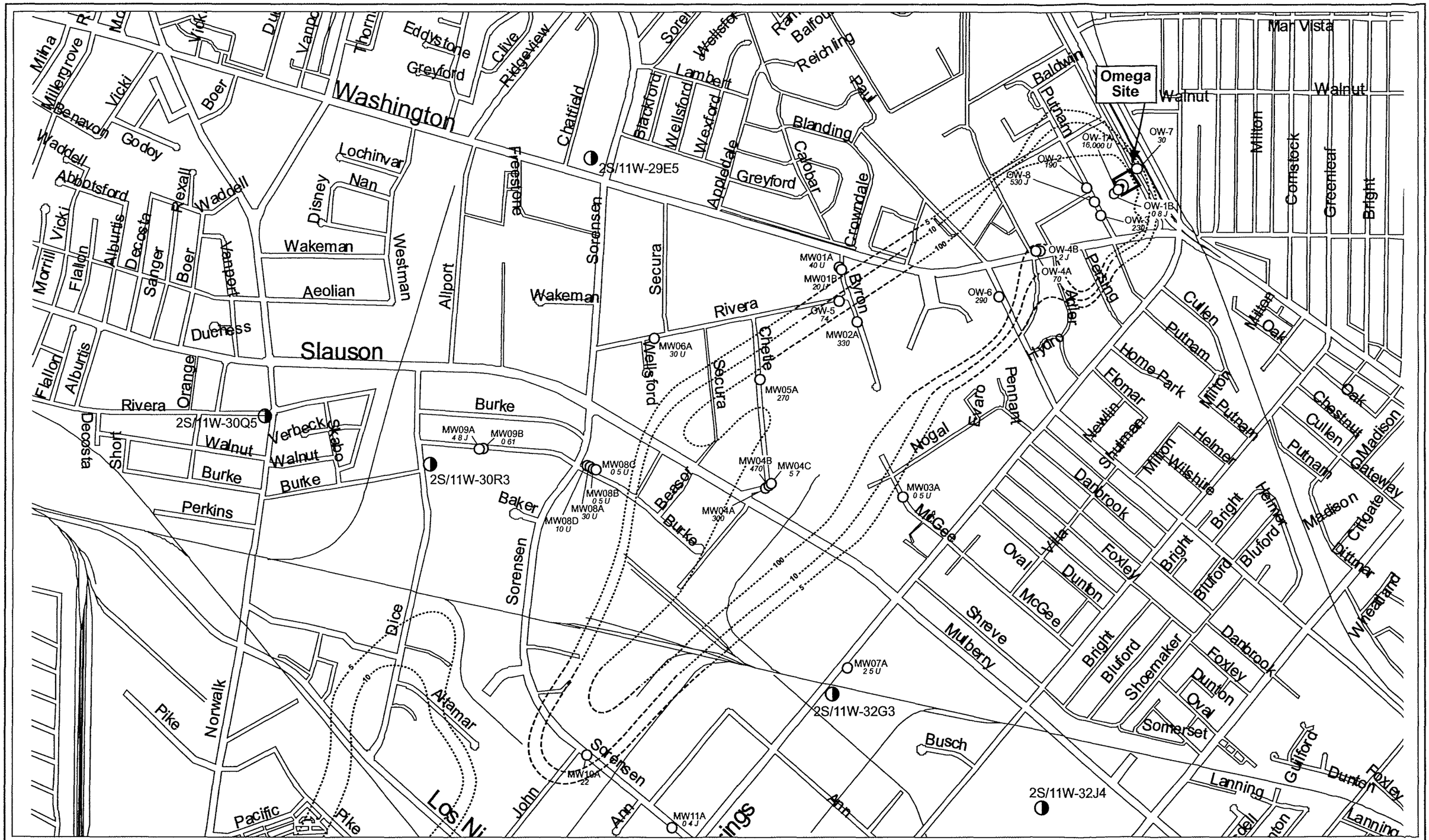
Notes:
1) Concentrations in µg/L.
2) Samples collected May 2003.
3) The isoconcentration lines are based on Phase 1 and Phase 2 Hydrogeology Investigation data, but have been updated with the most recent quarterly groundwater sampling data.

WESTON SOLUTIONS

Freon 113 Groundwater Concentrations—2nd Quarter 2003
Omega Superfund Site

Figure
5

03-0029 Fig5.ai



0 400 800
Scale in Feet

Existing Monitoring Well and Number

Production Well and Number

Freon 11 Isoconcentration Line Based Upon Quarterly Groundwater Sampling Data

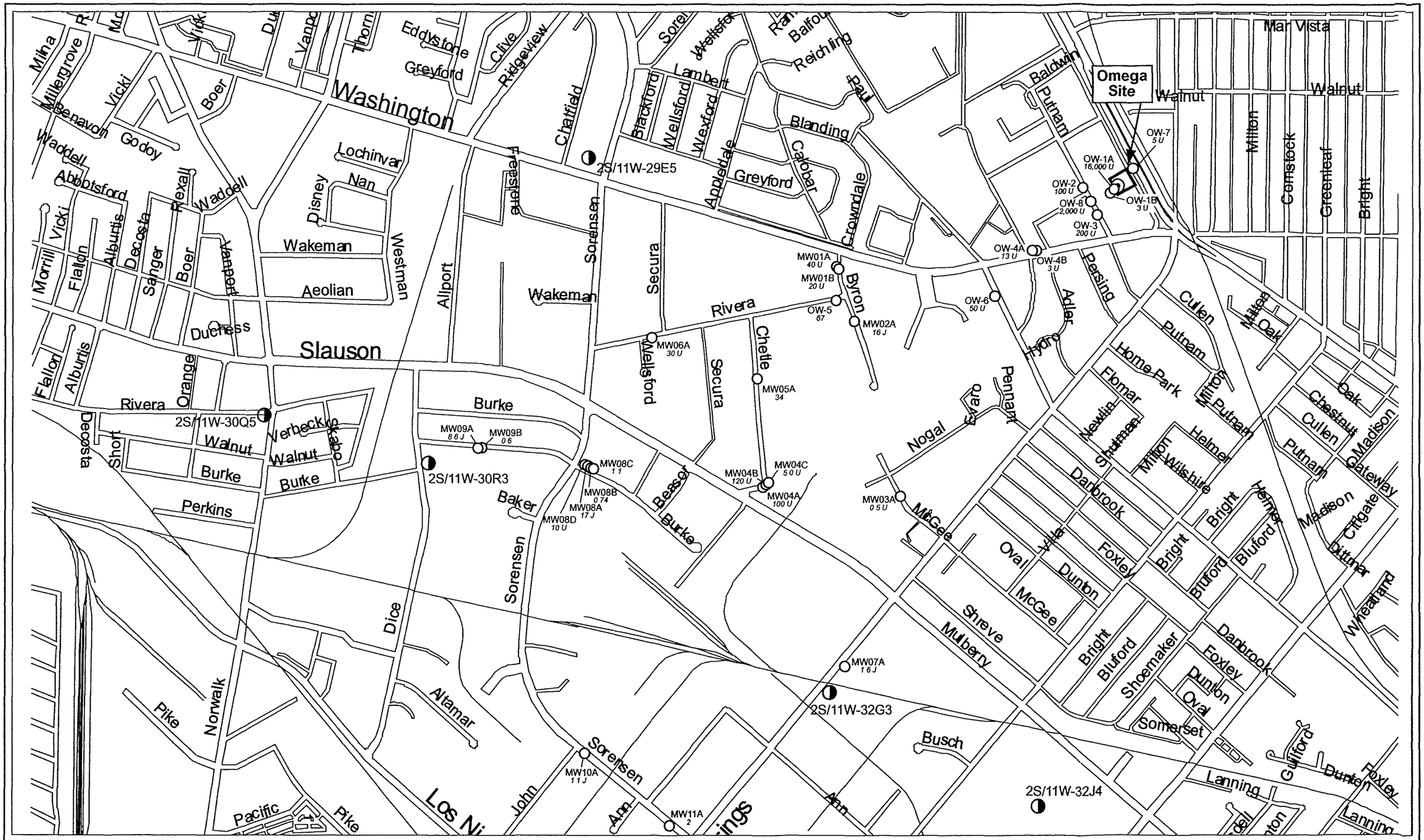
Isoconcentration Line Based Upon Phase II Hydrogeology Investigation Data

Notes:
1) Concentrations in µg/L.
2) Samples collected May 2003.
3) The isoconcentration lines are based on Phase II Hydrogeology Investigation data, but have been updated with the most recent quarterly groundwater sampling data.

Freon 11 Groundwater Concentrations—2nd Quarter 2003
Omega Superfund Site

Figure 6

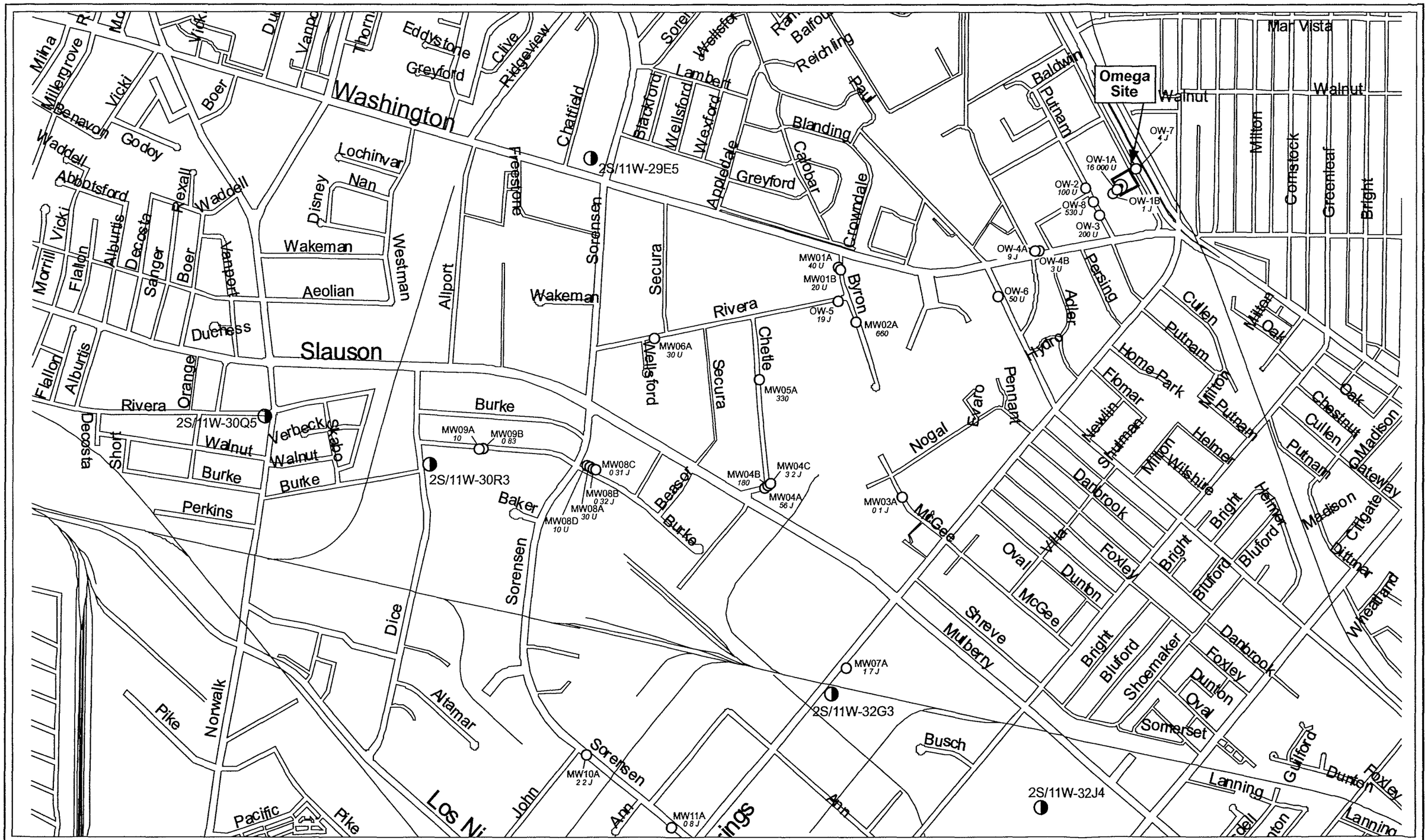
03-0029 Fig6.ai



Cis 1,2-DCE Groundwater Concentrations—2nd Quarter 2003
Omega Superfund Site

Figure 7

03-0029 Fig7.ai



0 400 800
Scale in Feet

○ Existing Monitoring Well and Number
◑ Production Well and Number

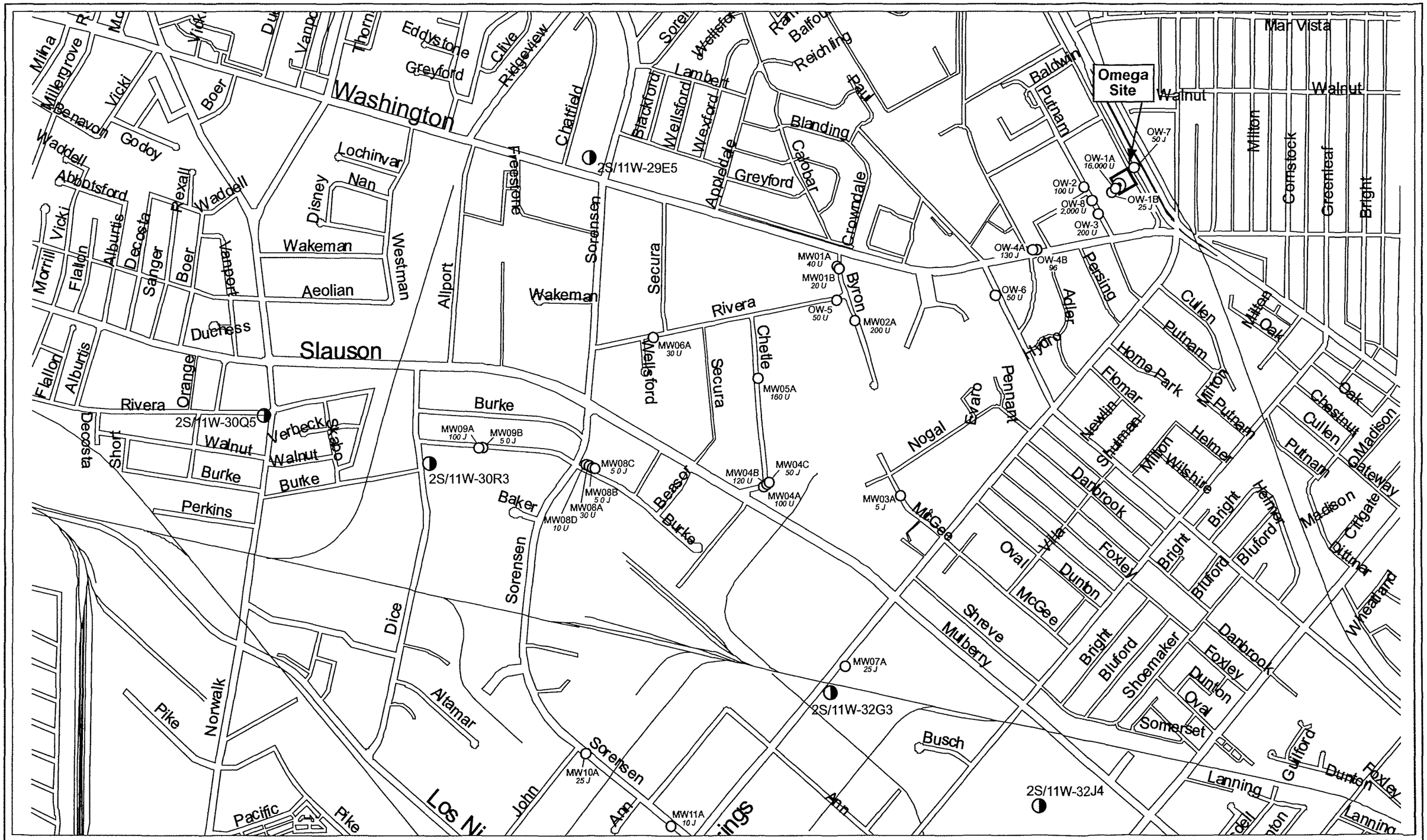
Notes: 1) Concentrations in µg/L.
2) Samples collected May 2003.

WESTON SOLUTIONS

Chloroform Groundwater Concentrations—2nd Quarter 2003
Omega Superfund Site

Figure
8

03-0029 Fig8 ai



0 400 800
Scale in Feet

WESTON SOLUTIONS

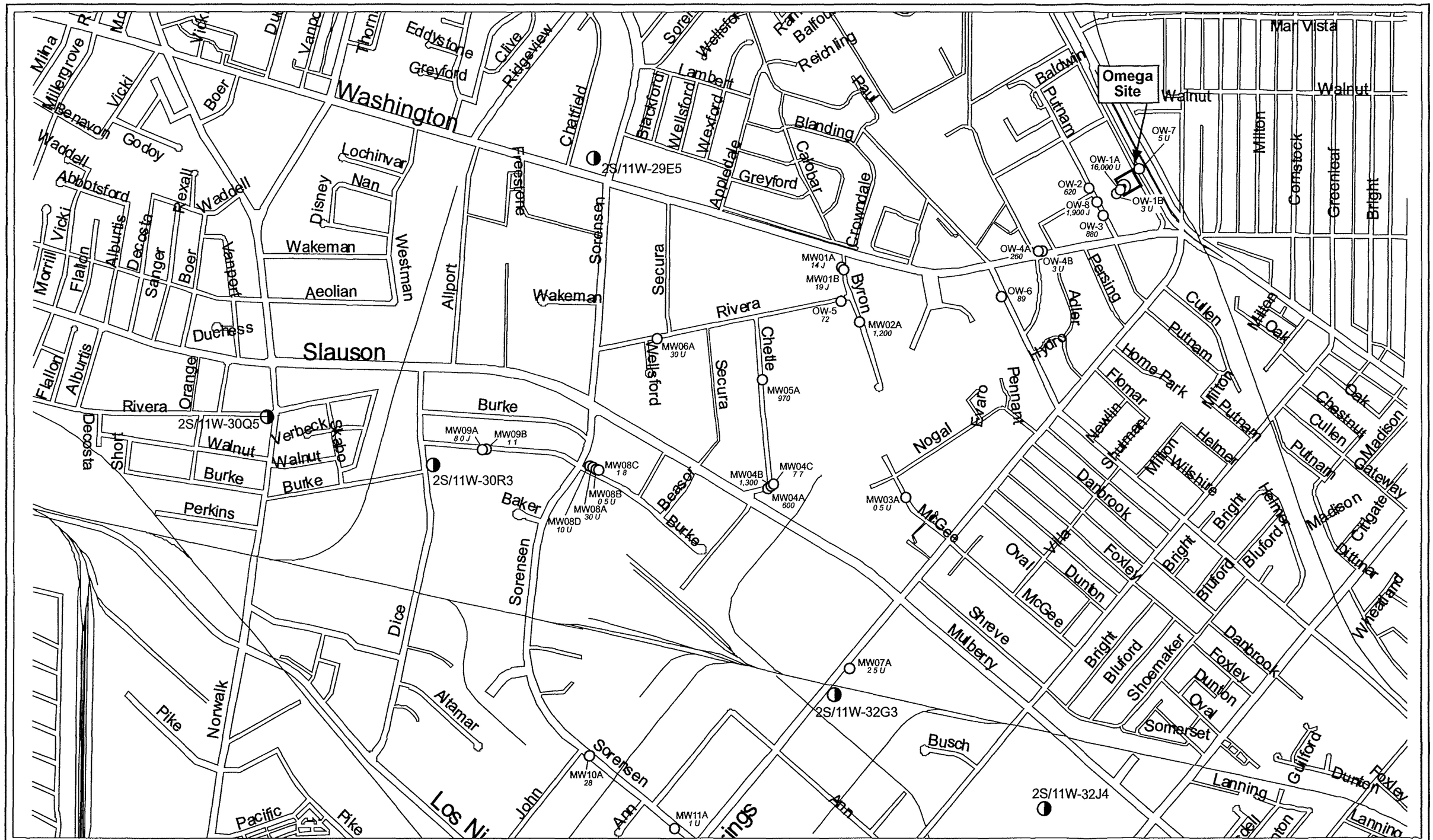
○ Existing Monitoring Well and Number
◑ Production Well and Number

Notes: 1) Concentrations in µg/L.
2) Samples collected May 2003.

Acetone Groundwater Concentrations—2nd Quarter 2003
Omega Superfund Site

Figure 9

03-0029 Fig9.ai



Existing Monitoring Well and Number
Production Well and Number

Notes: 1) Concentrations in µg/L.
2) Samples collected May 2003.

1,1-Dichloroethene Groundwater Concentrations—2nd Quarter 2003
Omega Superfund Site

Figure
10

03-0029 Fig10.ai

APPENDIX A
ANALYTICAL DATA SUMMARY TABLE

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW01A	MW01B	MW01B	MW02A	MW03A	MW04A
	Sample ID:	GW203-MW01A-0055	GW203-MW01B-0080	GW203-MW01B-1080	GW203-MW02A-0055	GW203-MW03A-0042	GW203-MW04A-0047
	Sample Date:	05/21/2003	05/21/2003	05/21/2003	05/22/2003	05/16/2003	05/19/2003
	Depth (feet):	55 to N/A	80 to N/A	80 to N/A	55 to N/A	42 to N/A	47 to N/A
Volatile Organic Compounds (ug/l)							
1,1,1-Trichloroethane		40 U	20 U	20 U	200 U	0.5 U	100 U
1,1,2,2-Tetrachloroethane		40 U	20 U	20 U	200 U	0.5 U	100 U
1,1,2-Trichloroethane		40 U	20 U	20 U	200 U	0.5 U	100 U
1,1-Dichloroethane		40 U	20 U	20 U	200 U	0.5 U	100 U
1,1-Dichloroethene		14 J	19 J	20	1200	0.5 U	600
1,2,3-Trichlorobenzene						0.5 U	
1,2,4-Trichlorobenzene		40 U	20 U	20 U	200 U	0.5 U	100 UJ
1,2-Dibromo-3-chloropropane						0.5 U	
1,2-Dibromoethane [EDB]		40 U	20 U	20 U	200 U	0.5 UJ	100 U
1,2-Dichlorobenzene		40 U	20 U	20 U	200 U	0.5 U	100 U
1,2-Dichloroethane		40 U	20 U	20 U	73 J	0.5 U	100 UJ
1,2-Dichloropropane		40 U	20 U	20 U	200 U	0.5 U	100 U
1,3-Dichlorobenzene		40 U	20 U	20 U	200 U	0.5 U	100 U
1,4-Dichlorobenzene		40 U	20 U	20 U	200 U	0.5 U	100 U
2-Butanone		40 U	20 U	20 U	200 U	5 U	100 U
2-Hexanone		40 U	20 U	20 U	200 U	5 U	100 U
4-Methyl-2-pentanone		40 U	20 U	20 U	200 U	5 U	100 U
Acetone		40 U	20 U	20 U	200 U	5 UJ	100 UJ
Benzene		40 U	20 U	20 U	200 U	0.5 U	100 U
Bromochloromethane						0.5 U	
Bromodichloromethane		40 U	20 U	20 U	200 U	0.5 U	100 U
Bromoform		40 U	20 U	20 U	200 U	2 U	100 U
Bromomethane		40 U	20 U	20 U	200 U	0.2 J	100 U
Carbon Disulfide		40 U	20 U	20 U	200 U	0.5 U	100 U

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW01A	MW01B	MW01B	MW02A	MW03A	MW04A
	Sample ID:	GW203-MW01A-0055	GW203-MW01B-0080	GW203-MW01B-1080	GW203-MW02A-0055	GW203-MW03A-0042	GW203-MW04A-0047
	Sample Date:	05/21/2003	05/21/2003	05/21/2003	05/22/2003	05/16/2003	05/19/2003
	Depth (feet):	55 to N/A	80 to N/A	80 to N/A	55 to N/A	42 to N/A	47 to N/A
Carbon Tetrachloride		40 U	20 U	20 U	200 U	0.5 U	100 U
Chlorobenzene		40 U	20 U	20 U	200 U	0.5 U	100 U
Chlorodibromomethane		40 U	20 U	20 U	200 U	0.5 UJ	100 U
Chloroethane		40 U	20 U	20 U	200 U	0.5 U	100 U
Chloroform		40 U	20 U	20 U	660	0.1 J	56 J
Chloromethane		40 U	20 U	20 U	200 U	0.5 U	100 U
cis-1,2-Dichloroethene		40 U	20 U	20 U	16 J	0.5 U	100 U
cis-1,3-Dichloropropene		40 U	20 U	20 U	200 U	0.5 U	100 U
Cyclohexane		40 U	20 U	20 U	200 U	0.5 U	100 U
Dichlorodifluoromethane		40 U	20 U	20 U	200 U	0.5 U	100 U
Ethylbenzene		40 U	20 U	20 U	200 U	0.5 U	100 U
Isopropylbenzene		40 U	20 U	20 U	200 U	0.5 U	100 U
Methyl Acetate		40 U	20 U	20 U	200 U	0.5 U	100 U
Methylcyclohexane		40 U	20 U	20 U	200 U	0.5 U	100 U
Methylene Chloride		40 U	20 U	20 U	200 U	0.5 U	100 U
Styrene		40 U	20 U	20 U	200 U	0.5 U	100 U
tert-Butyl Methyl Ether		40 UJ	20 UJ	20 UJ	200 UJ	0.5 U	100 U
Tetrachloroethene		38 J	32	34	2700	0.5 U	780
Toluene		40 U	20 U	20 U	200 U	0.5 U	100 U
trans-1,2-Dichloroethene		40 U	20 U	20 U	200 U	0.5 U	100 U
trans-1,3-Dichloropropene		40 U	20 U	20 U	200 U	0.5 U	100 U
Trichloroethene		420	230	240	450	0.5 U	450
Trichlorofluoromethane		40 UJ	20 UJ	20 UJ	330 J	0.5 U	300
Trichlorotrifluoroethane		40 U	20 U	20 U	1000	0.5 U	910
Vinyl Chloride		40 U	20 U	20 U	200 U	0.5 U	100 U

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW01A	MW01B	MW01B	MW02A	MW03A	MW04A
	Sample ID:	GW203-MW01A-0055	GW203-MW01B-0080	GW203-MW01B-1080	GW203-MW02A-0055	GW203-MW03A-0042	GW203-MW04A-0047
	Sample Date:	05/21/2003	05/21/2003	05/21/2003	05/22/2003	05/16/2003	05/19/2003
	Depth (feet):	55 to N/A	80 to N/A	80 to N/A	55 to N/A	42 to N/A	47 to N/A
Xylenes (total)		40 U	20 U	20 U	200 U	0.5 U	100 U
1,4-Dioxane					190		20
Perchlorate		4.2	2.8	2.6	5.5	2.1	4.4
Inorganics (Total) (ug/l)							
Aluminum		62.9 U	40.9 U	61.4 U	90.0 U	40.9 U	40.9 U
Antimony		2.5 U	3.3 U	2.5 U	2.5 U	2.5 U	2.5 U
Arsenic		2.4 J	2.6 J	2.4 J	2.2 U	3.9 J	2.2 U
Barium		71.6 J	45.3 J	43.9 J	58.5 J	48.3 J	41.1 J
Beryllium		0.20 U	0.20 U	0.44 U	0.25 U	0.20 U	0.31 U
Cadmium		0.27 U	0.20 U	0.26 U	0.20 U	0.20 U	0.20 U
Calcium		133000	122000	118000	174000	141000	169000
Chromium		131	37.3	35.9	8.5 J	1.5 J	47.7
Cobalt		0.70 U	0.70 U	0.70 U	0.70 U	1.1 J	0.70 U
Copper		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Cyanide		2.1	2.7 J	2.8 J	0.47 J	0.40 U	0.49 J
Iron		14.2 U	14.2 U	14.2 U	14.2 U	14.2 U	14.2 U
Lead		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium		42100	39900	38800	51100	44600	49100
Manganese		1.3 U	30.2	32.4	2.1 U	44.3	0.20 U
Mercury		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel		1.2 U	1.2 U	1.2 U	1.2 U	3.5 J	1.3 J
Potassium		3100 J	4250 J	4180 J	3310 J	4770 J	3190 J
Selenium		4.8 U	6.9 U	3.5 U	5.0 U	3.9 U	9.0 U
Silver		0.90 U	0.90 U	0.90 U	0.90 U	1.2 J	1.2 J

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Station ID:	MW01A	MW01B	MW01B	MW02A	MW03A	MW04A
Sample ID:	GW203-MW01A-0055	GW203-MW01B-0080	GW203-MW01B-1080	GW203-MW02A-0055	GW203-MW03A-0042	GW203-MW04A-0047
Sample Date:	05/21/2003	05/21/2003	05/21/2003	05/22/2003	05/16/2003	05/19/2003
Constituent Depth (feet):	55 to N/A	80 to N/A	80 to N/A	55 to N/A	42 to N/A	47 to N/A
Sodium	87100	75400	73200	88500	174000	104000
Thallium	2.9 UJ	2.9 UJ	3.2 U	2.9 UJ	2.9 UJ	2.9 UJ
Vanadium	8.4 J	7.1 J	6.9 J	7.3 J	10.1 J	6.3 J
Zinc	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 U	1.5 U
Inorganics (Dissolved) (ug/l)						
Aluminum	40.9 U	40.9 U	40.9 U	40.9 U	42.0 U	40.9 U
Antimony	2.5 U	2.5 U	8.3 J	2.5 U	2.5 U	2.5 U
Arsenic	2.2 U	2.2 U	2.9 J	2.2 U	2.2 U	2.2 U
Barium	70.4 J	43.4	74.2 J	59.9	47.5 J	43.6 J
Beryllium	0.20 U	0.20 U	0.51 U	0.20 U	0.20 U	0.20 U
Cadmium	0.20 U	0.20 U	0.56 J	0.20 U	0.20 U	0.20 U
Calcium	127000	115000	115000	178000	139000	179000
Chromium	125	34.0	36.1	7.7 J	1.0 J	48.9
Cobalt	0.70 U	0.70 U	7.0 J	0.70 U	0.70 U	0.79 J
Copper	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Iron	14.2 U	14.2 U	14.2 U	14.2 U	14.2 U	14.2 U
Lead	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium	39600	37200	37700	51300	44000	51700
Manganese	0.20 U	33.0	34.3	1.0 J	44.1	1.1 J
Mercury	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel	1.2 U	1.2 U	6.6 J	1.2 U	3.0 J	1.2 U
Potassium	2990 J	4070 J	4170 J	3220 J	4660 J	3320 J
Selenium	5.2	4.5 J	4.2 J	3.9 J	4.6 J	7.9 J
Silver	1.1 J	0.90 U	2.2 J	0.90 U	0.90 U	0.90 U
Sodium	84400	70300	71100	88300	171000	110000

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

	Station ID:	MW01A	MW01B	MW01B	MW02A	MW03A	MW04A
	Sample ID:	GW203-MW01A-0055	GW203-MW01B-0080	GW203-MW01B-1080	GW203-MW02A-0055	GW203-MW03A-0042	GW203-MW04A-0047
	Sample Date:	05/21/2003	05/21/2003	05/21/2003	05/22/2003	05/16/2003	05/19/2003
Constituent	**Depth (feet):**	55 to N/A	80 to N/A	80 to N/A	55 to N/A	42 to N/A	47 to N/A
Thallium		2.9 UJ	2.9 UJ	3.2 J	2.9 UJ	2.9 UJ	2.9 UJ
Vanadium		7.6 J	6.3 J	14.8 J	6.7 J	8.7 J	5.9 J
Zinc		1.5 U	1.5 U	41.1	1.5 U	1.5 UJ	1.5 UJ

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW04A	MW04B	MW04C	MW05A	MW06A	MW07A
	Sample ID:	GW203-MW04A-1047	GW203-MW04B-0075	GW203-MW04C-0094	GW203-MW05A-0049	GW203-MW06A-0042	GW203-MW07A-0041
	Sample Date:	05/19/2003	05/19/2003	05/19/2003	05/22/2003	05/19/2003	05/19/2003
	Depth (feet):	47 to N/A	75 to N/A	94 to N/A	49 to N/A	42 to N/A	41 to N/A
Volatile Organic Compounds (ug/l)							
1,1,1-Trichloroethane		60 U	120 U	5.0 U	4 J	30 U	2.5 U
1,1,2,2-Tetrachloroethane		60 U	120 U	5.0 U	10 UJ	30 U	2.5 U
1,1,2-Trichloroethane		60 U	120 U	5.0 U	1 J	30 U	2.5 U
1,1-Dichloroethane		60 U	120 U	5.0 U	10 U	30 U	2.5 U
1,1-Dichloroethene		600	1300	7.7	970	30 U	2.5 U
1,2,3-Trichlorobenzene				5.0 U			2.5 U
1,2,4-Trichlorobenzene		60 UJ	120 UJ	5.0 U	10 U	30 UJ	2.5 U
1,2-Dibromo-3-chloropropane				5.0 U			2.5 U
1,2-Dibromoethane [EDB]		60 U	120 U	5.0 UJ	10 U	30 U	2.5 U
1,2-Dichlorobenzene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
1,2-Dichloroethane		60 UJ	120 UJ	5.0 U	28	30 UJ	2.5 U
1,2-Dichloropropane		60 U	120 U	5.0 U	10 U	30 U	2.5 U
1,3-Dichlorobenzene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
1,4-Dichlorobenzene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
2-Butanone		60 U	120 U	50 U	10 UJ	30 U	25 U
2-Hexanone		60 U	120 U	50 U	10 UJ	30 U	25 U
4-Methyl-2-pentanone		60 U	120 U	50 U	10 U	30 U	25 U
Acetone		60 UJ	120 UJ	50 UJ	10 UJ	30 UJ	25 UJ
Benzene		60 U	120 U	5.0 U	2 J	30 U	2.5 U
Bromochloromethane				5.0 U			2.5 U
Bromodichloromethane		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Bromoform		60 U	120 U	26 J	10 U	30 U	7.4 U
Bromomethane		60 U	120 U	5.0 UJ	10 U	30 U	2.5 UJ
Carbon Disulfide		60 U	120 U	5.0 U	10 U	30 U	2.5 U

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW04A	MW04B	MW04C	MW05A	MW06A	MW07A
	Sample ID:	GW203-MW04A-1047	GW203-MW04B-0075	GW203-MW04C-0094	GW203-MW05A-0049	GW203-MW06A-0042	GW203-MW07A-0041
	Sample Date:	05/19/2003	05/19/2003	05/19/2003	05/22/2003	05/19/2003	05/19/2003
	Depth (feet):	47 to N/A	75 to N/A	94 to N/A	49 to N/A	42 to N/A	41 to N/A
Carbon Tetrachloride		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Chlorobenzene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Chlorodibromomethane		60 U	120 U	5.0 UJ	10 U	30 U	2.5 U
Chloroethane		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Chloroform		72	180	3.2 J	330	30 U	1.7 J
Chloromethane		60 U	120 U	5.0 U	10 U	30 U	2.5 U
cis-1,2-Dichloroethene		12 J	120 U	5.0 U	34	30 U	1.6 J
cis-1,3-Dichloropropene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Cyclohexane		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Dichlorodifluoromethane		60 U	120 U	5.0 U	1 J	30 U	2.5 U
Ethylbenzene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Isopropylbenzene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Methyl Acetate		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Methylcyclohexane		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Methylene Chloride		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Styrene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
tert-Butyl Methyl Ether		60 U	28 J	5.0 U	3 J	30 U	2.5 U
Tetrachloroethene		850	1500	17	1400	480	41
Toluene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
trans-1,2-Dichloroethene		60 U	120 U	5.0 U	4 J	30 U	2.5 U
trans-1,3-Dichloropropene		60 U	120 U	5.0 U	10 U	30 U	2.5 U
Trichloroethene		530	520	97	1100	6 J	4.3
Trichlorofluoromethane		240	470	5.7	270	30 U	2.5 U
Trichlorotrifluoroethane		650	1400	20	840	30 U	2.7
Vinyl Chloride		60 U	120 U	5.0 U	10 U	30 U	2.5 U

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW04A	MW04B	MW04C	MW05A	MW06A	MW07A
	Sample ID:	GW203-MW04A-1047	GW203-MW04B-0075	GW203-MW04C-0094	GW203-MW05A-0049	GW203-MW06A-0042	GW203-MW07A-0041
	Sample Date:	05/19/2003	05/19/2003	05/19/2003	05/22/2003	05/19/2003	05/19/2003
	Depth (feet):	47 to N/A	75 to N/A	94 to N/A	49 to N/A	42 to N/A	41 to N/A
Xylenes (total)		60 U	120 U	5.0 U	10 U	30 U	2.5 U
1,4-Dioxane		21	37		75	0.9 J	
Perchlorate		4.1	5.3	3.7	5.5	4.8	7.0
Inorganics (Total) (ug/l)							
Aluminum		40.9 U	229	40.9 U	112 U	40.9 U	40.9 U
Antimony		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Arsenic		2.2 U	2.2 U	2.2 U	2.3 J	2.2 U	2.2 U
Barium		40.4 J	56.9 J	51.8 J	57.2 J	47.9 J	24.8 J
Beryllium		0.20 U	0.22 U	0.20 U	0.20 U	0.20 U	0.20 U
Cadmium		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Calcium		166000	181000	168000	161000	218000	330000
Chromium		45.2	30.2	21.7	12.7	117	6.0 J
Cobalt		0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Copper		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Cyanide		0.40 U	0.40 U	0.94 J	0.96 J	0.40 U	0.40 U
Iron		14.2 U	198	14.2 U	81.1 U	14.2 U	14.2 U
Lead		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium		47900	46900	45700	44100	53700	95200
Manganese		0.20 U	13.6 J	1.5 J	2.3 U	0.20 U	0.20 U
Mercury		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Potassium		3060 J	4490 J	4940 J	3830 J	5200 J	7030 J
Selenium		8.0 U	6.4 U	10.2 U	7.5 U	12.2 U	26.8
Silver		0.90 U	0.90 U	0.90 U	0.90 U	1.6 J	1.5 J

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW04A	MW04B	MW04C	MW05A	MW06A	MW07A
	Sample ID:	GW203-MW04A-1047	GW203-MW04B-0075	GW203-MW04C-0094	GW203-MW05A-0049	GW203-MW06A-0042	GW203-MW07A-0041
	Sample Date:	05/19/2003	05/19/2003	05/19/2003	05/22/2003	05/19/2003	05/19/2003
	Depth (feet):	47 to N/A	75 to N/A	94 to N/A	49 to N/A	42 to N/A	41 to N/A
Sodium		103000	92100	94200	96600	139000	202000
Thallium		2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ
Vanadium		5.5 J	6.5 J	6.0 J	6.9 J	6.3 J	6.1 J
Zinc		1.5 U	23.6	1.5 U	1.5 UJ	1.5 U	1.5 U
Inorganics (Dissolved) (ug/l)							
Aluminum		40.9 U	40.9 U	40.9 U	40.9 U	40.9 U	40.9 U
Antimony		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Arsenic		2.2 U	2.2 U	2.8 J	2.2 U	2.2 U	2.4 J
Barium		41.6 J	54.9 J	48.8 J	58.6 J	48.8 J	24.4 J
Beryllium		0.20 U	0.20 U	0.20 U	0.20 U	0.23 U	0.20 U
Cadmium		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Calcium		172000	178000	159000	166000	221000	330000
Chromium		46.7	29.9	20.6	13.4	119	5.7 J
Cobalt		0.70 U	0.70 U	1.5 J	0.70 U	0.70 U	1.4 J
Copper		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Iron		14.2 U	14.2 U	14.2 U	14.2 U	14.2 U	14.2 U
Lead		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium		49400	46200	43300	45300	54400	94700
Manganese		0.20 U	1.3 J	1.6 J	0.94 J	0.20 U	0.71 J
Mercury		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Potassium		3140 J	4370 J	4620 J	3900 J	5270 J	7040 J
Selenium		7.9 J	6.9 J	7.5 J	2.8 J	15.4 J	26.2 J
Silver		0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
Sodium		106000	90800	88700	97100	140000	204000

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW04A	MW04B	MW04C	MW05A	MW06A	MW07A
	Sample ID:	GW203-MW04A-1047	GW203-MW04B-0075	GW203-MW04C-0094	GW203-MW05A-0049	GW203-MW06A-0042	GW203-MW07A-0041
	Sample Date:	05/19/2003	05/19/2003	05/19/2003	05/22/2003	05/19/2003	05/19/2003
	Depth (feet):	47 to N/A	75 to N/A	94 to N/A	49 to N/A	42 to N/A	41 to N/A
Thallium		2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ
Vanadium		5.7 J	5.8 J	7.2 J	6.4 J	5.3 J	7.9 J
Zinc		1.5 UJ	1.5 UJ	1.5 UJ	1.5 U	1.5 UJ	1.5 UJ

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW08A	MW08B	MW08C	MW08D	MW09A	MW09B
	Sample ID:	GW203-MW08A-0040	GW203-MW08B-0070	GW203-MW08C-0087	GW203-MW08D-0116	GW203-MW09A-0032	GW203-MW09B-0054
	Sample Date:	05/20/2003	05/20/2003	05/20/2003	05/20/2003	05/21/2003	05/21/2003
	Depth (feet):	40 to N/A	70 to N/A	87 to N/A	116 to N/A	32 to N/A	54 to N/A
Volatile Organic Compounds (ug/l)							
1,1,1-Trichloroethane		30 U	0.50 U	0.50 U	10 U	4.6 J	0.59
1,1,2,2-Tetrachloroethane		30 U	0.50 U	0.50 U	10 U	5.6 J	0.67
1,1,2-Trichloroethane		30 U	0.50 U	0.50 U	10 U	4.2 J	0.59
1,1-Dichloroethane		30 U	0.50 U	0.50 U	10 U	4.6 J	0.63
1,1-Dichloroethene		30 U	0.50 U	1.8	10 U	8.0 J	1.1
1,2,3-Trichlorobenzene			0.50 U	0.50 U		10 U	0.50 U
1,2,4-Trichlorobenzene		30 UJ	0.50 U	0.50 U	10 UJ	3.6 J	0.50
1,2-Dibromo-3-chloropropane			0.50 U	0.50 U		4.4 J	0.72
1,2-Dibromoethane [EDB]		30 U	0.50 U	0.50 U	10 U	3.4 J	0.58
1,2-Dichlorobenzene		30 U	0.50 U	0.50 U	10 U	5.0 J	0.61
1,2-Dichloroethane		30 UJ	0.50 U	0.50 U	10 UJ	4.2 J	0.82
1,2-Dichloropropane		30 U	0.50 U	0.50 U	10 U	10 U	0.58
1,3-Dichlorobenzene		30 U	0.50 U	0.50 U	10 U	4.2 J	0.51
1,4-Dichlorobenzene		30 U	0.50 U	0.50 U	10 U	4.6 J	0.55
2-Butanone		30 U	5.0 U	5.0 U	10 U	100 U	0.64 J
2-Hexanone		30 U	5.0 U	5.0 U	10 U	100 U	0.51 J
4-Methyl-2-pentanone		30 U	5.0 U	5.0 U	10 U	100 U	5.0 U
Acetone		30 UJ	5.0 UJ	5.0 UJ	10 UJ	100 UJ	5.0 UJ
Benzene		30 U	0.50 U	0.50 U	10 U	5.4 J	0.61
Bromochloromethane			0.50 U	0.50 U		10 U	0.50 U
Bromodichloromethane		30 U	0.50 U	0.50 U	10 U	4.4 J	0.59
Bromoform		30 U	1.6 U	1.6 U	10 U	32	1.8 U
Bromomethane		30 U	0.50 UJ	0.50 UJ	10 U	3.2 J	0.56 J
Carbon Disulfide		30 U	0.50 U	0.50 U	10 U	4.6 J	0.46 J

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW08A	MW08B	MW08C	MW08D	MW09A	MW09B
	Sample ID:	GW203-MW08A-0040	GW203-MW08B-0070	GW203-MW08C-0087	GW203-MW08D-0116	GW203-MW09A-0032	GW203-MW09B-0054
	Sample Date:	05/20/2003	05/20/2003	05/20/2003	05/20/2003	05/21/2003	05/21/2003
	Depth (feet):	40 to N/A	70 to N/A	87 to N/A	116 to N/A	32 to N/A	54 to N/A
Carbon Tetrachloride		30 U	0.50 U	0.50 U	10 U	4.6 J	0.60
Chlorobenzene		30 U	0.50 U	0.50 U	10 U	5.0 J	0.56
Chlorodibromomethane		30 U	0.50 U	0.50 U	10 U	4.4 J	0.57
Chloroethane		30 U	0.50 U	0.50 U	10 U	7.4 J	0.54
Chloroform		30 U	0.32 J	0.31 J	10 U	10	0.83
Chloromethane		30 U	0.50 U	0.50 U	10 U	6.0 J	0.72
cis-1,2-Dichloroethene		17 J	0.74	1.1	10 U	8.6 J	0.60
cis-1,3-Dichloropropene		30 U	0.50 U	0.50 U	10 U	3.8 J	0.67
Cyclohexane		30 U	0.50 U	0.50 U	10 U	3.6 J	0.53
Dichlorodifluoromethane		30 U	0.15 J	0.50 U	10 U	4.6 J	0.76
Ethylbenzene		30 U	0.50 U	0.50 U	10 U	3.6 J	0.49 J
Isopropylbenzene		30 U	0.50 U	0.50 U	10 U	3.0 J	0.44 J
Methyl Acetate		30 U	0.50 U	0.50 U	10 U	10 U	0.83 J
Methylcyclohexane		30 U	0.50 U	0.50 U	10 U	4.0 J	0.51
Methylene Chloride		30 U	0.50 UJ	0.50 U	10 U	10 UJ	0.67
Styrene		30 U	0.50 U	0.50 U	10 U	2.6 J	0.21 J
tert-Butyl Methyl Ether		30 U	0.50 U	0.50 U	10 U	5.0 J	1.3
Tetrachloroethene		390	9.3	9.3	2 J	210	16
Toluene		30 U	0.50 U	0.50 U	10 U	4.6 J	0.51
trans-1,2-Dichloroethene		30 U	0.50 U	0.50 U	10 U	4.2 J	0.52
trans-1,3-Dichloropropene		30 U	0.50 U	0.50 U	10 U	4.6 J	0.55
Trichloroethene		70	1.9	2.0	18	14	2.2
Trichlorofluoromethane		30 U	0.50 U	0.50 U	10 U	4.8 J	0.61
Trichlorotrifluoroethane		30 U	0.32 J	0.22 J	10 U	5.4 J	0.80
Vinyl Chloride		30 U	0.50 U	0.50 U	10 U	4.0 J	0.53

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW08A	MW08B	MW08C	MW08D	MW09A	MW09B
	Sample ID:	GW203-MW08A-0040	GW203-MW08B-0070	GW203-MW08C-0087	GW203-MW08D-0116	GW203-MW09A-0032	GW203-MW09B-0054
	Sample Date:	05/20/2003	05/20/2003	05/20/2003	05/20/2003	05/21/2003	05/21/2003
	Depth (feet):	40 to N/A	70 to N/A	87 to N/A	116 to N/A	32 to N/A	54 to N/A
Xylenes (total)		30 U	0.50 U	0.50 U	10 U	9.6 J	1.3
1,4-Dioxane		1.6					
Perchlorate		5.2	4.4	3.2	1.6 J	2.2	4.3
Inorganics (Total) (ug/l)							
Aluminum		40.9 U	278 U	40.9 U	40.9 U	40.9 U	64.3 U
Antimony		4.7 U	2.5 U	2.5 J	2.5 U	2.6 J	2.5 U
Arsenic		2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Barium		80.6 J	34.0 J	27.1 J	99.4 J	38.4 J	32.3 J
Beryllium		0.20 U	0.20 U	0.20 U	0.20 U	0.24 U	0.20 U
Cadmium		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Calcium		224000	232000	214000	167000	276000	230000
Chromium		125	8.8 J	5.0 J	1.3 J	0.88 J	7.5 J
Cobalt		0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Copper		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Cyanide		1.2 J	0.96 J	1.8 J	0.84 J	0.88 J	1.7 J
Iron		14.2 U	318	14.2 U	14.2 U	14.2 U	14.2 U
Lead		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium		56000	59300	53400	44500	63700	53000
Manganese		0.43 U	10.5 J	34.9	377	229	4.2 J
Mercury		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel		1.2 U	2.0 J	1.2 U	1.2 U	1.2 U	1.2 U
Potassium		6220 J	5830 J	5330 J	4260 J	8240 J	6470 J
Selenium		36.4	10.2 U	6.9 U	20.8	14.8	8.2 U
Silver		0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.95 J

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW08A	MW08B	MW08C	MW08D	MW09A	MW09B
	Sample ID:	GW203-MW08A-0040	GW203-MW08B-0070	GW203-MW08C-0087	GW203-MW08D-0116	GW203-MW09A-0032	GW203-MW09B-0054
	Sample Date:	05/20/2003	05/20/2003	05/20/2003	05/20/2003	05/21/2003	05/21/2003
	Depth (feet):	40 to N/A	70 to N/A	87 to N/A	116 to N/A	32 to N/A	54 to N/A
Sodium		161000	117000	111000	68700	163000	121000
Thallium		2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	3.5 UJ
Vanadium		4.9 J	6.7 J	4.5	4.2 J	4.5	5.6 J
Zinc		1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ
Inorganics (Dissolved) (ug/l)							
Aluminum		40.9 U	40.9 U	40.9 U	40.9 U	40.9 U	40.9 U
Antimony		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Arsenic		2.2 U	2.9 J	2.4 J	2.2 U	2.2 U	2.2 U
Barium		78.3 J	28.5 J	26.4 J	95.3	38.9 J	31.9 J
Beryllium		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Cadmium		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Calcium		220000	210000	205000	159000	276000	228000
Chromium		122	6.6 J	5.1 J	1.8 J	0.78 J	7.1 J
Cobalt		0.70 UJ	0.70 UJ	1.0 J	0.70 UJ	0.70 U	0.84 J
Copper		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1 6 U
Iron		14.2 U	14.2 U	14.2 U	14.2 U	14.2 U	14.2 U
Lead		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium		55200	53700	51500	42400	63400	52100
Manganese		0.20 U	0.20 U	34.2	363	265	1.3 J
Mercury		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel		1.9 J	1.2 U	1.2 U	1.2 U	1.2 U	1.3 J
Potassium		6210 J	5310 J	5250 J	4180 J	8260 J	6290 J
Selenium		36.3	6.9	7.3	18.1	12.1	3.6 J
Silver		0.90 U	0.90 U	0.90 U	1.0 J	0.90 U	1.2 J
Sodium		158000	109000	108000	66700	161000	117000

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW08A	MW08B	MW08C	MW08D	MW09A	MW09B
	Sample ID:	GW203-MW08A-0040	GW203-MW08B-0070	GW203-MW08C-0087	GW203-MW08D-0116	GW203-MW09A-0032	GW203-MW09B-0054
	Sample Date:	05/20/2003	05/20/2003	05/20/2003	05/20/2003	05/21/2003	05/21/2003
	Depth (feet):	40 to N/A	70 to N/A	87 to N/A	116 to N/A	32 to N/A	54 to N/A
Thallium		3.6 U	2.9 UJ	2.9 UJ	3.5 U	2.9 UJ	2.9 UJ
Vanadium		4.1 J	5.8 J	5.2 J	4.1 J	6.1 J	6.3 J
Zinc		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW10A	MW11A	N/A	N/A	N/A	N/A
	Sample ID:	GW203-MW10A-0057	GW203-MW11A-0045	GW203-MW01A-2008	GW203-MW03A-2004	GW203-MW04A-2005	GW203-MW08B-2006
	Sample Date:	05/20/2003	05/16/2003	05/21/2003	05/16/2003	05/19/2003	05/20/2003
	Depth (feet):	57 to N/A	45 to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A
Volatile Organic Compounds (ug/l)							
1,1,1-Trichloroethane		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
1,1,2,2-Tetrachloroethane		2.5 U	1 U	10 UJ	0.5 U	10 U	0.50 U
1,1,2-Trichloroethane		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
1,1-Dichloroethane		2.5 U	1	10 U	0.5 U	10 U	0.50 U
1,1-Dichloroethene		28	1 U	10 U	0.5 U	10 U	0.50 U
1,2,3-Trichlorobenzene		2.5 U	1 U		0.5 U		0.50 U
1,2,4-Trichlorobenzene		2.5 U	1 U	10 U	0.5 U	10 UJ	0.50 U
1,2-Dibromo-3-chloropropane		2.5 U	1 U		0.5 U		0.50 U
1,2-Dibromoethane [EDB]		2.5 U	1 U	10 U		10 U	0.50 U
1,2-Dichlorobenzene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
1,2-Dichloroethane		0.65 J	1 U	10 U	0.5 U	10 UJ	0.50 U
1,2-Dichloropropane		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
1,3-Dichlorobenzene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
1,4-Dichlorobenzene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
2-Butanone		25 U	10 UJ	1 J	5 U	10 U	5.0 U
2-Hexanone		25 U	10 U	10 UJ	5 UJ	10 U	5.0 U
4-Methyl-2-pentanone		25 U	10 U	10 U	5 UJ	10 U	5.0 U
Acetone		25 UJ	10 UJ	10 UJ	.5 UJ	9 J	5.0 UJ
Benzene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Bromochloromethane		2.5 U	1 U		0.5 U		0.50 U
Bromodichloromethane		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Bromoform		6.8 U	3 U	10 U	3 U	10 U	1.6
Bromomethane		2.5 UJ	0.3 J	10 U	0.5 U	10 U	0.50 UJ
Carbon Disulfide		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW10A	MW11A	N/A	N/A	N/A	N/A
	Sample ID:	GW203-MW10A-0057	GW203-MW11A-0045	GW203-MW01A-2008	GW203-MW03A-2004	GW203-MW04A-2005	GW203-MW08B-2006
	Sample Date:	05/20/2003	05/16/2003	05/21/2003	05/16/2003	05/19/2003	05/20/2003
	Depth (feet):	57 to N/A	45 to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A
Carbon Tetrachloride		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Chlorobenzene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Chlorodibromomethane		2.5 U	1 U	10 U		10 U	0.50 U
Chloroethane		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Chloroform		2.2 J	0.8 J	10 U	1	10 U	0.42 J
Chloromethane		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
cis-1,2-Dichloroethene		1.1 J	2	10 U	0.5 UJ	10 U	0.50 U
cis-1,3-Dichloropropene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Cyclohexane		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Dichlorodifluoromethane		2.5 U	1 U	10 UJ	0.5 U	10 U	0.50 U
Ethylbenzene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Isopropylbenzene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Methyl Acetate		2.5 U	1 UJ	10 U	0.5 UJ	10 U	0.50 U
Methylcyclohexane		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Methylene Chloride		2.5 U	1 UJ	10 U	0.5 UJ	10 U	0.50 UJ
Styrene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
tert-Butyl Methyl Ether		2.5	0.4 J	10 UJ	0.5 U	10 U	0.50 U
Tetrachloroethene		64	17	10 U	0.5 U	10 U	0.50 U
Toluene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
trans-1,2-Dichloroethene		2.5 U	1 U	10 U	0.5 UJ	10 U	0.50 U
trans-1,3-Dichloropropene		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
Trichloroethene		39	2	10 U	0.5 U	10 U	0.50 U
Trichlorofluoromethane		22	0.4 J	10 U	0.5 U	10 U	0.50 U
Trichlorotrifluoroethane		36	0.4 J	10 U	0.5 U	10 U	0.50 U
Vinyl Chloride		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW10A	MW11A	N/A	N/A	N/A	N/A
	Sample ID:	GW203-MW10A-0057	GW203-MW11A-0045	GW203-MW01A-2008	GW203-MW03A-2004	GW203-MW04A-2005	GW203-MW08B-2006
	Sample Date:	05/20/2003	05/16/2003	05/21/2003	05/16/2003	05/19/2003	05/20/2003
	Depth (feet):	57 to N/A	45 to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A
Xylenes (total)		2.5 U	1 U	10 U	0.5 U	10 U	0.50 U
1,4-Dioxane		5.2					
Perchlorate		4.1	5.4				
Inorganics (Total) (ug/l)		✓	✓				
Aluminum		100 U	40.9 U				
Antimony		7.9 U	2.5 U				
Arsenic		2.9 J	2.2 U				
Barium		40.6 J	27.2 J				
Beryllium		0.29 U	0.23 U				
Cadmium		0.20 U	0.20 U				
Calcium		242000	265000				
Chromium		7.1 J	4.1 J				
Cobalt		2.0 J	0.70 U				
Copper		1.6 U	1.6 U				
Cyanide		0.40 U	0.40 U				
Iron		36.8 U	14.2 U				
Lead		1.4 U	1.4 U				
Magnesium		64100	72300				
Manganese		6.0 J	0.20 U				
Mercury		0.10 U	0.10 U				
Nickel		2.6 J	1.2 U				
Potassium		7040 J	6990 J				
Selenium		15.0	25.1				
Silver		0.90 U	0.90 U				

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	MW10A	MW11A	N/A	N/A	N/A	N/A
	Sample ID:	GW203-MW10A-0057	GW203-MW11A-0045	GW203-MW01A-2008	GW203-MW03A-2004	GW203-MW04A-2005	GW203-MW08B-2006
	Sample Date:	05/20/2003	05/16/2003	05/21/2003	05/16/2003	05/19/2003	05/20/2003
	Depth (feet):	57 to N/A	45 to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A
Sodium		161000	158000				
Thallium		3.6 UJ	2.9 UJ				
Vanadium		7.5 J	4.2 J				
Zinc		1.5 UJ	1.5 U				
Inorganics (Dissolved) (ug/l)							
Aluminum		40.9 U	40.9 U				
Antimony		2.8 J	2.5 U				
Arsenic		2.2 U	2.2 U				
Barium		34.1 J	28.0 J				
Beryllium		0.28 U	0.20 U				
Cadmium		0.20 U	0.20 U				
Calcium		224000	279000				
Chromium		5.9 J	3.1 J				
Cobalt		0.70 U	0.70 U				
Copper		1.6 U	1.6 U				
Iron		14.2 U	14.2 U				
Lead		1.4 U	1.4 U				
Magnesium		59400	75700				
Manganese		0.23 U	0.74 J				
Mercury		0.10 U	0.10 U				
Nickel		1.2 U	1.2 U				
Potassium		6840 J	7270 J				
Selenium		15.2	27.2 J				
Silver		0.90 U	0.90 U				
Sodium		154000	164000				

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

	Station ID:	MW10A	MW11A	N/A	N/A	N/A	N/A
	Sample ID:	GW203-MW10A-0057	GW203-MW11A-0045	GW203-MW01A-2008	GW203-MW03A-2004	GW203-MW04A-2005	GW203-MW08B-2006
	Sample Date:	05/20/2003	05/16/2003	05/21/2003	05/16/2003	05/19/2003	05/20/2003
Constituent	Depth (feet):	57 to N/A	45 to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A
Thallium		2.9 UJ	2.9 UJ				
Vanadium		4.6 J	5.4 J				
Zinc		1.5 U	1.5 UJ				

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	N/A	N/A	N/A	N/A	N/A	OW1A
	Sample ID:	GW203-MW09A-2007	GW203-OW1A-2001	GW203-OW4A-2002	GW203-OW6-2003	GW203-OW7-4001	GW203-OW1A-0080
	Sample Date:	05/21/2003	05/13/2003	05/14/2003	05/15/2003	05/15/2003	05/13/2003
	Depth (feet):	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	80 to N/A
Volatile Organic Compounds (ug/l)							
1,1,1-Trichloroethane		0.50 U	10 U		10 U	0.5 U	8000 J
1,1,2,2-Tetrachloroethane		0.50 U	10 U		10 U	0.5 U	16000 U
1,1,2-Trichloroethane		0.50 U	10 U		10 U	0.5 U	16000 U
1,1-Dichloroethane		0.50 U	10 U		10 U	0.5 U	16000 U
1,1-Dichloroethene		0.50 U	10 U		10 U	0.5 U	16000 U
1,2,3-Trichlorobenzene		0.50 U				0.5 U	
1,2,4-Trichlorobenzene		0.50 U	10 U		10 U	0.5 U	16000 UJ
1,2-Dibromo-3-chloropropane		0.50 U				0.5 U	
1,2-Dibromoethane [EDB]		0.50 U	10 U		10 U		16000 U
1,2-Dichlorobenzene		0.50 U	10 U		10 U	0.5 U	16000 U
1,2-Dichloroethane		0.50 U	10 U		10 U	0.5 U	16000 U
1,2-Dichloropropane		0.50 U	10 U		10 U	0.5 U	16000 U
1,3-Dichlorobenzene		0.50 U	10 U		10 U	0.5 U	16000 U
1,4-Dichlorobenzene		0.50 U	10 U		10 U	0.5 U	16000 U
2-Butanone		5.0 U	10 U		10 U	5 U	16000 U
2-Hexanone		5.0 U	10 U		10 U	5 U	16000 U
4-Methyl-2-pentanone		5.0 U	10 U		10 U	5 U	16000 U
Acetone		6.5	10 U	5 UJ	10 U	5 UJ	16000 U
Benzene		0.50 U	10 U		10 U	0.5 U	16000 U
Bromochloromethane		0.50 U				0.5 U	
Bromodichloromethane		0.50 U	10 U		10 U	3	16000 U
Bromoform		1.6	10 U	1 U	10 U	3 U	16000 U
Bromomethane		0.50 UJ	10 U		10 U	0.5 U	16000 U
Carbon Disulfide		0.50 U	10 UJ		10 UJ	0.5 U	16000 U

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	N/A	N/A	N/A	N/A	N/A	OW1A
	Sample ID:	GW203-MW09A-2007	GW203-OW1A-2001	GW203-OW4A-2002	GW203-OW6-2003	GW203-OW7-4001	GW203-OW1A-0080
	Sample Date:	05/21/2003	05/13/2003	05/14/2003	05/15/2003	05/15/2003	05/13/2003
	Depth (feet):	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	80 to N/A
Carbon Tetrachloride		0.50 U	10 U		10 U	0.5 U	16000 U
Chlorobenzene		0.50 U	10 U		10 U	0.5 U	16000 U
Chlorodibromomethane		0.50 U	10 U		10 U	2 J	16000 U
Chloroethane		0.50 U	10 U		10 U	0.5 U	16000 U
Chloroform		0.48 J	10 U	0.5 J	10 U	6	16000 U
Chloromethane		0.50 U	10 U		10 U	0.3 J	16000 U
cis-1,2-Dichloroethene		0.50 U	10 U		10 U	0.5 UJ	16000 U
cis-1,3-Dichloropropene		0.50 U	10 U		10 U	0.5 U	16000 U
Cyclohexane		0.50 U	10 U		10 U	0.5 U	16000 U
Dichlorodifluoromethane		0.50 U	10 U		10 U	0.5 U	16000 U
Ethylbenzene		0.50 U	10 U		10 U	0.5 U	16000 U
Isopropylbenzene		0.50 U	10 U		10 U	0.5 U	16000 U
Methyl Acetate		0.50 U	10 U		10 U	0.5 UJ	16000 U
Methylcyclohexane		0.50 U	10 U		10 U	0.5 U	16000 U
Methylene Chloride		0.50 UJ	10 U	0.5 UJ	10 U	0.5 U	4200 J
Styrene		0.50 U	10 U		10 U	0.5 U	16000 U
tert-Butyl Methyl Ether		0.50 U	10 U		10 U	0.2 J	16000 U
Tetrachloroethene		0.50 U	10 U		10 U	0.5 U	160000
Toluene		0.50 U	1 J		10 U	0.2 J	16000 U
trans-1,2-Dichloroethene		0.50 U	10 U		10 U	0.5 UJ	16000 U
trans-1,3-Dichloropropene		0.50 U	10 U		10 U	0.5 U	16000 U
Trichloroethene		0.50 U	10 UJ		10 UJ	0.5 U	2700 J
Trichlorofluoromethane		0.50 U	10 U		10 U	0.5 U	16000 U
Trichlorotrifluoroethane		0.50 U	10 UJ		10 UJ	0.5 U	16000 U
Vinyl Chloride		0.50 U	10 U		10 U	0.5 U	16000 U

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	N/A	N/A	N/A	N/A	N/A	OW1A
	Sample ID:	GW203-MW09A-2007	GW203-OW1A-2001	GW203-OW4A-2002	GW203-OW6-2003	GW203-OW7-4001	GW203-OW1A-0080
	Sample Date:	05/21/2003	05/13/2003	05/14/2003	05/15/2003	05/15/2003	05/13/2003
	Depth (feet):	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	80 to N/A
Xylenes (total)		0.50 U	10 U		10 U	0.5 U	16000 U
1,4-Dioxane							71000
Perchlorate							2.8
Inorganics (Total) (ug/l)							
Aluminum							129 U
Antimony							2.5 U
Arsenic							2.2 U
Barium							76.2 J
Beryllium							0.20 U
Cadmium							0.32 J
Calcium							188000
Chromium							3.8 J
Cobalt							4.0 J
Copper							1.6 U
Cyanide							7.2 J
Iron							963
Lead							1.4 U
Magnesium							47700
Manganese							658
Mercury							0.10 U
Nickel							26.4 J
Potassium							4400 J
Selenium							5.1 U
Silver							0.90 U

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	N/A	N/A	N/A	N/A	N/A	OW1A
	Sample ID:	GW203-MW09A-2007	GW203-OW1A-2001	GW203-OW4A-2002	GW203-OW6-2003	GW203-OW7-4001	GW203-OW1A-0080
	Sample Date:	05/21/2003	05/13/2003	05/14/2003	05/15/2003	05/15/2003	05/13/2003
	Depth (feet):	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	80 to N/A
Sodium							131000
Thallium							2.9 UJ
Vanadium							8.8 J
Zinc							1.5 U
Inorganics (Dissolved) (ug/l)							
Aluminum							40.9 U
Antimony							2.5 U
Arsenic							2.2 U
Barium							71.9 J
Beryllium							0.20 U
Cadmium							0.37 U
Calcium							177000
Chromium							2.3 J
Cobalt							4.3 J
Copper							1.6 U
Iron							311
Lead							1.4 U
Magnesium							45500
Manganese							612
Mercury							0.10 U
Nickel							25.9 J
Potassium							4380 J
Selenium							2.3 U
Silver							0.90 U
Sodium							127000

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

	Station ID:	N/A	N/A	N/A	N/A	N/A	OW1A
	Sample ID:	GW203-MW09A-2007	GW203-OW1A-2001	GW203-OW4A-2002	GW203-OW6-2003	GW203-OW7-4001	GW203-OW1A-0080
	Sample Date:	05/21/2003	05/13/2003	05/14/2003	05/15/2003	05/15/2003	05/13/2003
Constituent	Depth (feet):	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	N/A to N/A	80 to N/A
Thallium							2.9 UJ
Vanadium							8.4 J
Zinc							1.5 UJ

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	OW1B	OW2	OW3	OW4A	OW4B	OW5
	Sample ID:	GW203-OW1B-0116	GW203-OW2-0078	GW203-OW3-0080	GW203-OW4A-0073	GW203-OW4B-0125	GW203-OW5-0048
	Sample Date:	05/13/2003	05/13/2003	05/14/2003	05/14/2003	05/14/2003	05/14/2003
	Depth (feet):	116 to N/A	78 to N/A	80 to N/A	73 to N/A	125 to N/A	48 to N/A
Volatile Organic Compounds (ug/l)							
1,1,1-Trichloroethane		3 U	100 U	200 U	13 U	0.5 J	50 U
1,1,2,2-Tetrachloroethane		3 U	100 U	200 U	13 U	3 U	50 U
1,1,2-Trichloroethane		3 U	100 U	200 U	13 UJ	3 U	50 U
1,1-Dichloroethane		0.6 J	100 U	200 U	13 U	3 U	50 U
1,1-Dichloroethene		3 U	620	880	260	3 U	72
1,2,3-Trichlorobenzene		3 U			13 U	3 U	
1,2,4-Trichlorobenzene		3 U	100 UJ	200 U	13 U	3 U	50 U
1,2-Dibromo-3-chloropropane		3 U			13 U	3 U	
1,2-Dibromoethane [EDB]		3 UJ	100 U	200 U	13 UJ	3 UJ	50 U
1,2-Dichlorobenzene		3 U	100 U	200 U	13 U	3 U	50 U
1,2-Dichloroethane		0.7 J	100 U	200 U	13 U	3 U	50 U
1,2-Dichloropropane		3 U	100 U	200 U	13 U	3 U	50 U
1,3-Dichlorobenzene		3 U	100 U	200 U	13 U	3 U	50 U
1,4-Dichlorobenzene		3 U	100 U	200 U	13 U	3 U	50 U
2-Butanone		25 U	100 U	200 U	130 U	25 U	50 U
2-Hexanone		25 U	100 U	200 U	130 U	25 U	50 U
4-Methyl-2-pentanone		25 U	100 U	200 U	130 U	25 U	50 U
Acetone		25 UJ	100 U	200 U	130 UJ	96 J	50 U
Benzene		1 J	100 U	200 U	13 U	1 J	50 U
Bromochloromethane		3 U			13 U	3 U	
Bromodichloromethane		3 U	100 U	200 U	13 U	3 U	50 U
Bromoform		10 J	100 U	200 U	44 J	9 U	50 U
Bromomethane		3 UJ	100 U	200 U	13 UJ	3 UJ	50 U
Carbon Disulfide		1 J	100 U	200 UJ	4 J	3 U	50 UJ

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	OW1B	OW2	OW3	OW4A	OW4B	OW5
	Sample ID:	GW203-OW1B-0116	GW203-OW2-0078	GW203-OW3-0080	GW203-OW4A-0073	GW203-OW4B-0125	GW203-OW5-0048
	Sample Date:	05/13/2003	05/13/2003	05/14/2003	05/14/2003	05/14/2003	05/14/2003
	Depth (feet):	116 to N/A	78 to N/A	80 to N/A	73 to N/A	125 to N/A	48 to N/A
Carbon Tetrachloride		3 U	100 U	200 U	13 U	3 U	50 U
Chlorobenzene		3 U	100 U	200 U	13 U	3 U	50 U
Chlorodibromomethane		3 UJ	100 U	200 U	13 UJ	3 UJ	50 U
Chloroethane		0.9 J	100 U	200 U	6 J	0.7 J	50 U
Chloroform		1 J	100 U	200 U	9 J	3 U	19 J
Chloromethane		3 U	100 U	200 U	13 U	3 U	50 U
cis-1,2-Dichloroethene		3 U	100 U	200 U	13 U	3 U	67
cis-1,3-Dichloropropene		3 U	100 U	200 U	13 UJ	3 U	50 U
Cyclohexane		3 U	100 U	200 U	13 U	3 U	50 U
Dichlorodifluoromethane		3 UJ	100 U	200 U	13 UJ	3 UJ	50 U
Ethylbenzene		3 U	100 U	200 U	13 U	3 U	50 U
Isopropylbenzene		3 U	100 U	200 U	13 U	3 U	50 U
Methyl Acetate		3 UJ	100 U	200 U	13 UJ	3 UJ	50 U
Methylcyclohexane		3 U	100 U	200 U	13 U	3 U	50 U
Methylene Chloride		3 UJ	100 UJ	200 U	13 U	3 U	6 J
Styrene		3 U	100 U	200 U	13 U	3 U	50 U
tert-Butyl Methyl Ether		3 U	100 U	200 U	13 U	3 U	50 U
Tetrachloroethene		61	1500	1600	89	42	350
Toluene		3 U	100 U	200 U	13 U	3 U	50 U
trans-1,2-Dichloroethene		3 U	100 U	200 U	13 U	3 U	50 U
trans-1,3-Dichloropropene		3 U	100 U	200 U	13 UJ	3 U	50 U
Trichloroethene		3	160	170 J	13	3	580 J
Trichlorofluoromethane		0.8 J	190	230	70	2 J	74
Trichlorotrifluoroethane		3	510	320 J	140	31	240 J
Vinyl Chloride		1 J	100 U	200 U	13 UJ	3 UJ	50 U

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	OW1B	OW2	OW3	OW4A	OW4B	OW5
	Sample ID:	GW203-OW1B-0116	GW203-OW2-0078	GW203-OW3-0080	GW203-OW4A-0073	GW203-OW4B-0125	GW203-OW5-0048
	Sample Date:	05/13/2003	05/13/2003	05/14/2003	05/14/2003	05/14/2003	05/14/2003
	Depth (feet):	116 to N/A	78 to N/A	80 to N/A	73 to N/A	125 to N/A	48 to N/A
Xylenes (total)		3 U	100 U	200 U	13 U	3 U	50 U
1,4-Dioxane		35			4.6 J		6.5
Perchlorate		1.2 J	3.5	3.4	1.5 J	3.0	4.4
Inorganics (Total) (ug/l)							
Aluminum		344	54.2 U	41.7 U	40.9 U	40.9 U	43.4 U
Antimony		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Arsenic		2.2 U	2.2 U	2.5 J	2.2 U	2.6 J	2.2 U
Barium		29.4 J	40.8 J	26.3 J	39.6 J	27.0 J	63.3 J
Beryllium		0.33 U	0.37 U	0.20 U	0.24 U	0.29 U	0.20 U
Cadmium		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Calcium		87300	149000	189000	139000	104000	135000
Chromium		1.4 J	4.6 J	7.0 J	6.8 J	5.8 J	25.9
Cobalt		0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
Copper		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Cyanide		0.45 J	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Iron		3590	14.2 U	14.2 U	14.2 U	50.8 J	71.2
Lead		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium		50000	53500	59800	43000	61500	39100
Manganese		294	0.20 U	1.5 J	0.39 J	1.4 J	15.7
Mercury		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel		1.9 J	1.2 U	1.2 U	1.2 U	1.2 U	120
Potassium		3380 J	2470 J	2680 J	2980 J	3210 J	2920 J
Selenium		8.7 U	11.2 U	8.5 U	5.5 U	8.8 U	6.6 U
Silver		0.90 U	1.3 J	0.92 J	0.90 U	0.90 U	0.90 U

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	OW1B	OW2	OW3	OW4A	OW4B	OW5
	Sample ID:	GW203-OW1B-0116	GW203-OW2-0078	GW203-OW3-0080	GW203-OW4A-0073	GW203-OW4B-0125	GW203-OW5-0048
	Sample Date:	05/13/2003	05/13/2003	05/14/2003	05/14/2003	05/14/2003	05/14/2003
	Depth (feet):	116 to N/A	78 to N/A	80 to N/A	73 to N/A	125 to N/A	48 to N/A
Sodium		98800	67800	73600	86000	117000	96000
Thallium		2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ
Vanadium		4.2 J	8.0 J	8.5 J	5.5 J	9.4 J	6.4 J
Zinc		35.6	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Inorganics (Dissolved) (ug/l)							
Aluminum		40.9 U	40.9 U	40.9 U	40.9 U	40.9 U	40.9 U
Antimony		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Arsenic		2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Barium		434 J	41.8 J	26.1 J	40.8 J	27.1 J	64.2 J
Beryllium		0.20 U	0.24 U	0.21 U	0.20 U	0.20 U	0.20 U
Cadmium		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Calcium		89600	152000	187000	141000	96600	136000
Chromium		1.1 J	4.4 J	7.1 J	8.3 J	4.3 J	22.5
Cobalt		0.70 U	0.70 U	0.70 U	0.70 U	0.71 J	0.81 J
Copper		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Iron		269	14.2 U	14.2 U	14.2 U	14.2 U	44.2 J
Lead		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium		50200	54500	59400	43200	58500	39400
Manganese		250	0.20 U	1.7 J	0.31 J	0.20 U	16.8
Mercury		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Nickel		1.2 U	1.2 U	3.0 J	1.3 J	1.7 J	127
Potassium		3550 J	2590 J	2770 J	3080 J	3110 J	3080 J
Selenium		5.6 J	9.6 J	5.1 J	2.7 J	6.6 J	4.5 J
Silver		0.90 U	0.90 U	0.90 U	0.90 U	0.90 U	0.90 U
Sodium		101000	70200	72500	85300	112000	98600

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

	Station ID:	OW1B	OW2	OW3	OW4A	OW4B	OW5
	Sample ID:	GW203-OW1B-0116	GW203-OW2-0078	GW203-OW3-0080	GW203-OW4A-0073	GW203-OW4B-0125	GW203-OW5-0048
	Sample Date:	05/13/2003	05/13/2003	05/14/2003	05/14/2003	05/14/2003	05/14/2003
Constituent	**Depth (feet):**	116 to N/A	78 to N/A	80 to N/A	73 to N/A	125 to N/A	48 to N/A
Thallium		2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ
Vanadium		2.1 J	8.0 J	7.3 J	6.4 J	9.6 J	7.2 J
Zinc		89.9	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	OW5	OW6	OW7	OW8
	Sample ID:	GW203-OW5-1048	GW203-OW6-0048	GW203-OW7-0081	GW203-OW8-0075
	Sample Date:	05/14/2003	05/15/2003	05/15/2003	05/15/2003
	Depth (feet):	48 to N/A	48 to N/A	81 to N/A	75 to N/A
Volatile Organic Compounds (ug/l)					
1,1,1-Trichloroethane		50 U	50 U	5 U	2000 U
1,1,2,2-Tetrachloroethane		50 U	50 U	5 U	2000 U
1,1,2-Trichloroethane		50 U	50 U	5 U	2000 U
1,1-Dichloroethane		50 U	50 U	5 U	2000 U
1,1-Dichloroethene		73	89	5 U	1900 J
1,2,3-Trichlorobenzene				5 U	
1,2,4-Trichlorobenzene		50 U	50 U	5 U	2000 U
1,2-Dibromo-3-chloropropane				5 U	
1,2-Dibromoethane [EDB]		50 U	50 U		2000 U
1,2-Dichlorobenzene		50 U	50 U	5 U	2000 U
1,2-Dichloroethane		50 U	50 U	5 U	2000 U
1,2-Dichloropropane		50 U	50 U	5 U	2000 U
1,3-Dichlorobenzene		50 U	50 U	5 U	2000 U
1,4-Dichlorobenzene		50 U	50 U	5 U	2000 U
2-Butanone		50 U	50 U	50 U	2000 U
2-Hexanone		50 U	50 U	50 U	2000 U
4-Methyl-2-pentanone		50 U	50 U	50 U	2000 U
Acetone		50 U	50 U	50 UJ	2000 U
Benzene		50 U	50 U	5 U	2000 U
Bromochloromethane				5 U	
Bromodichloromethane		50 U	50 U	5 U	2000 U
Bromoform		50 U	50 U	27 J	2000 U
Bromomethane		50 U	50 U	5 U	2000 U
Carbon Disulfide		50 UJ	50 UJ	5 U	2000 UJ

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	OW5	OW6	OW7	OW8
	Sample ID:	GW203-OW5-1048	GW203-OW6-0048	GW203-OW7-0081	GW203-OW8-0075
	Sample Date:	05/14/2003	05/15/2003	05/15/2003	05/15/2003
	Depth (feet):	48 to N/A	48 to N/A	81 to N/A	75 to N/A
Carbon Tetrachloride		50 U	50 U	5 U	2000 U
Chlorobenzene		50 U	50 U	5 U	2000 U
Chlorodibromomethane		50 U	50 U		2000 U
Chloroethane		50 U	50 U	5 U	2000 U
Chloroform		18 J	50 U	4 J	530 J
Chloromethane		50 U	50 U	5 U	2000 U
cis-1,2-Dichloroethene		63	50 U	5 UJ	2000 U
cis-1,3-Dichloropropene		50 U	50 U	5 U	2000 U
Cyclohexane		50 U	50 U	5 U	2000 U
Dichlorodifluoromethane		50 U	50 U	5 U	2000 U
Ethylbenzene		50 U	50 U	5 U	2000 U
Isopropylbenzene		50 U	50 U	5 U	2000 U
Methyl Acetate		50 U	50 U	5 UJ	2000 U
Methylcyclohexane		50 U	50 U	5 U	2000 U
Methylene Chloride		7 J	50 U	5 U	420 J
Styrene		50 U	50 U	5 U	2000 U
tert-Butyl Methyl Ether		50 U	53	5 U	2000 U
Tetrachloroethene		350	80	11	15000
Toluene		50 U	50 U	5 U	2000 U
trans-1,2-Dichloroethene		50 U	50 U	5 UJ	2000 U
trans-1,3-Dichloropropene		50 U	50 U	5 U	2000 U
Trichloroethene		570 J	15 J	2 J	1200 J
Trichlorofluoromethane		77	290	30	530 J
Trichlorotrifluoroethane		250 J	440 J	28	1200 J
Vinyl Chloride		50 U	50 U	5 U	2000 U

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Station ID:	OW5	OW6	OW7	OW8
	Sample ID:	GW203-OW5-1048	GW203-OW6-0048	GW203-OW7-0081	GW203-OW8-0075
	Sample Date:	05/14/2003	05/15/2003	05/15/2003	05/15/2003
	Depth (feet):	48 to N/A	48 to N/A	81 to N/A	75 to N/A
Sodium		97300	118000	69200	89500
Thallium		2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ
Vanadium		6.9 J	6.7 J	17.1	6.3 J
Zinc		1.5 U	1.5 U	3.7 J	1.5 U
Inorganics (Dissolved) (ug/l)					
Aluminum		40.9 U	40.9 U	40.9 U	81.1 U
Antimony		2.5 U	2.5 U	2.5 U	2.5 U
Arsenic		2.2 U	2.2 U	2.2 U	4.6 J
Barium		63.0 J	31.3 J	24.8 J	46.4 J
Beryllium		0.20 U	0.20 U	0.20 U	0.34 U
Cadmium		0.20 U	0.20 U	0.20 U	0.20 U
Calcium		135000	207000	195000	213000
Chromium		23.2	4.2 J	7.0 J	2.1 J
Cobalt		0.70 U	0.70 U	0.70 U	0.70 U
Copper		1.6 U	1.6 U	1.6 U	1.6 U
Iron		40.4 J	14.2 U	14.2 U	721
Lead		1.4 U	1.4 U	1.4 U	1.6 J
Magnesium		39000	62000	63900	72400
Manganese		15.1	0.20 U	0.84 J	1320
Mercury		0.10 U	0.13 J	0.10 U	0.10 U
Nickel		120	1.4 J	1.9 J	2.8 J
Potassium		3060 J	3740 J	2170 J	2600 J
Selenium		4.7 J	3.5 J	4.8 J	9.2 J
Silver		0.90 U	0.90 U	0.90 U	0.90 U
Sodium		96800	116000	69800	84800

A blank cell indicates analysis was not performed or the result was rejected during analysis.

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Station ID:	OW5	OW6	OW7	OW8
Sample ID:	GW203-OW5-1048	GW203-OW6-0048	GW203-OW7-0081	GW203-OW8-0075
Sample Date:	05/14/2003	05/15/2003	05/15/2003	05/15/2003
Constituent Depth (feet):	48 to N/A	48 to N/A	81 to N/A	75 to N/A
Xylenes (total)	50 U	50 U	5 U	2000 U
1,4-Dioxane	5.6	0.9 J		1100
Perchlorate	4.3	1.1 J	3.4	2.0
Inorganics (Total) (ug/l)				
Aluminum	40.9 U	77.2 U	2260	53.7 U
Antimony	2.5 U	2.5 U	2.5 U	2.5 U
Arsenic	2.2 U	2.2 U	2.2 U	5.5 J
Barium	63.7 J	32.4 J	43.0 J	51.1 J
Beryllium	0.20 U	0.27 U	0.20 U	0.34 U
Cadmium	0.20 U	0.20 U	0.20 U	0.20 U
Calcium	135000	213000	196000	227000
Chromium	25.8	4.6 J	12.9	5.5 J
Cobalt	0.87 J	0.70 U	1.1 J	0.70 U
Copper	1.6 U	1.6 U	1.6 U	1.6 U
Cyanide	0.40 U	0.40 U	0.40 U	0.40 U
Iron	94.8 J	14.2 U	3440	776
Lead	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium	39100	63500	64800	77800
Manganese	19.1	1.3 J	50.9	1590
Mercury	0.10 U	7.3	0.10 U	0.24
Nickel	121	1.2 U	6.1 J	6.8 J
Potassium	2940 J	3690 J	2700 J	2820 J
Selenium	6.6 U	5.9 U	7.2 U	5.7 U
Silver	0.90 U	0.90 U	0.90 U	2.0 J

A blank cell indicates analysis was not performed or the result was rejected during analysis

Omega Comprehensive Data Listing - Groundwater Sampling: Second Quarter 2003, Whittier, CA

	Station ID:	OW5	OW6	OW7	OW8
	Sample ID:	GW203-OW5-1048	GW203-OW6-0048	GW203-OW7-0081	GW203-OW8-0075
	Sample Date:	05/14/2003	05/15/2003	05/15/2003	05/15/2003
Constituent	Depth (feet):	48 to N/A	48 to N/A	81 to N/A	75 to N/A
Thallium		2.9 UJ	2.9 UJ	2.9 UJ	2.9 UJ
Vanadium		6.8 J	7.6 J	8.7 J	6.3 J
Zinc		1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ

A blank cell indicates analysis was not performed or the result was rejected during analysis.

APPENDIX B
STATISTICAL SUMMARY TABLE

Omega Comprehensive Statistical Data Summary - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Number of Samples Analyzed	Number of Detections	Detection Frequency (%)	Minimum Detection Limit	Maximum Detection Limit	Minimum Detected Value	Maximum Detected Value	Sample Number of Maximum Detected Value	Arithmetic Mean	Median Value	Upper 95% Confidence Limit
Volatile Organic Compounds (ug/l)											
1,1,1-Trichloroethane	31	5	16.1	0.5	2000	0.5	8000	GW203-OW1A-0080	308.59	10	747.04
1,1,2,2-Tetrachloroethane	31	2	6.5	0.5	16000	0.67	5.6	GW203-MW09A-0032	308.69	10	747.14
1,1,2-Trichloroethane	31	3	9.7	0.5	16000	0.59	4.2	GW203-MW09A-0032	308.52	10	746.97
1,1-Dichloroethane	31	4	12.9	0.5	16000	0.6	4.6	GW203-MW09A-0032	308.65	10	747.09
1,1-Dichloroethene	31	20	64.5	0.5	16000	1.1	1900	GW203-OW8-0075	538.91	19	986.33
1,2,3-Trichlorobenzene	13	0	0 0	0 5	13	n/a	n/a		1 81	1 25	2 77
1,2,4-Trichlorobenzene	31	2	6.5	0.5	16000	0.5	3.6	GW203-MW09A-0032	308.62	10	747.07
1,2-Dibromo-3-chloropropane	13	2	15.4	0.5	13	0.72	4.4	GW203-MW09A-0032	1.8	1.25	2.71
1,2-Dibromoethane [EDB]	30	2	6.7	0.5	16000	0.58	3.4	GW203-MW09A-0032	318.82	10	772.32
1,2-Dichlorobenzene	31	2	6.5	0.5	16000	0.61	5	GW203-MW09A-0032	308.67	10	747.12
1,2-Dichloroethane	31	6	19.4	0.5	16000	0.65	73	GW203-MW02A-0055	308.48	10	746.92
1,2-Dichloropropane	31	1	3.2	0.5	16000	0.58	0.58	GW203-MW09B-0054	308.67	10	747.11
1,3-Dichlorobenzene	31	2	6.5	0.5	16000	0.51	4.2	GW203-MW09A-0032	308.64	10	747.09
1,4-Dichlorobenzene	31	2	6.5	0.5	16000	0.55	4.6	GW203-MW09A-0032	308.66	10	747.1
2-Butanone	31	1	3.2	5	16000	0.64	0.64	GW203-MW09B-0054	315.26	20	753.28
2-Hexanone	31	1	3.2	5	16000	0.51	0.51	GW203-MW09B-0054	315.26	20	753.28
4-Methyl-2-pentanone	31	0	0 0	5	16000	n/a	n/a		315 32	20	753 34
Acetone	31	1	3.2	5	16000	96	96	GW203-OW4B-0125	318.02	25	755.88
Benzene	31	5	16.1	0.5	16000	0.61	5.4	GW203-MW09A-0032	308.56	10	747.01
Bromochloromethane	13	0	0 0	0 5	13	n/a	n/a		1 81	1 25	2 77
Bromodichloromethane	31	2	6.5	0.5	16000	0.59	4.4	GW203-MW09A-0032	308.65	10	747.1
Bromoform	31	5	16.1	1.6	16000	10	44	GW203-OW4A-0073	312.92	20	751.09
Bromomethane	31	4	12.9	0.5	16000	0.2	3.2	GW203-MW09A-0032	308.61	10	747.05
Carbon Disulfide	31	4	12.9	0.5	16000	0.46	4.6	GW203-MW09A-0032	308.56	10	747.01
Carbon Tetrachloride	31	2	6.5	0.5	16000	0.6	4.6	GW203-MW09A-0032	308.66	10	747.1
Chlorobenzene	31	2	6.5	0.5	16000	0.56	5	GW203-MW09A-0032	308.67	10	747.11
Chlorodibromomethane	30	2	6.7	0.5	16000	0.57	4.4	GW203-MW09A-0032	318.86	10	772.35
Chloroethane	31	5	16.1	0.5	16000	0.54	7.4	GW203-MW09A-0032	308.69	10	747.13
Chloroform	31	20	64.5	3	16000	0.1	660	GW203-MW02A-0055	327.42	10	764.02
Chloromethane	31	2	6.5	0.5	16000	0.72	6	GW203-MW09A-0032	308.71	10	747.15
cis-1,2-Dichloroethene	31	13	41.9	0.5	16000	0.6	67	GW203-OW5-0048	309.18	10	747.58
cis-1,3-Dichloropropene	31	2	6.5	0.5	16000	0.67	3.8	GW203-MW09A-0032	308.64	10	747.08
Cyclohexane	31	2	6.5	0.5	16000	0.53	3.6	GW203-MW09A-0032	308.63	10	747.07
Dichlorodifluoromethane	31	4	12.9	0.5	16000	0.15	4.6	GW203-MW09A-0032	308.53	10	746.98

n/a - Criteria not available
Half undetect weighting used for statistical calculations

Omega Comprehensive Statistical Data Summary - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Number of Samples Analyzed	Number of Detections	Detection Frequency (%)	Minimum Detection Limit	Maximum Detection Limit	Minimum Detected Value	Maximum Detected Value	Sample Number of Maximum Detected Value	Arithmetic Mean	Median Value	Upper 95% Confidence Limit
Volatile Organic Compounds (ug/l)											
Ethylbenzene	31	2	6.5	0.5	16000	0.49	3.6	GW203-MW09A-0032	308.62	10	747.07
Isopropylbenzene	31	2	6.5	0.5	16000	0.44	3	GW203-MW09A-0032	308.5	10	747.05
Methyl Acetate	31	1	3.2	0.5	16000	0.83	0.83	GW203-MW09B-0054	308.68	10	747.12
Methylcyclohexane	31	2	6.5	0.5	16000	0.51	4	GW203-MW09A-0032	308.64	10	747.08
Methylene Chloride	31	5	16.1	0.5	200	0.67	4200	GW203-OW1A-0080	166.19	6.5	395.57
Styrene	31	2	6.5	0.5	16000	0.21	2.6	GW203-MW09A-0032	308.58	10	747.03
tert-Butyl Methyl Ether	31	7	22.6	0.5	16000	0.4	53	GW203-OW6-0048	308.54	10	746.99
Tetrachloroethene	31	30	96.8	0.5	0.5	2	160000	GW203-OW1A-0080	6053.96	80	14800.82
Toluene	31	2	6.5	0.5	16000	0.51	4.6	GW203-MW09A-0032	308.66	10	747.1
trans-1,2-Dichloroethene	31	3	9.7	0.5	16000	0.52	4.2	GW203-MW09A-0032	308.61	10	747.06
trans-1,3-Dichloropropene	31	2	6.5	0.5	16000	0.55	4.6	GW203-MW09A-0032	308.66	10	747.1
Trichloroethene	31	30	96.8	0.5	0.5	1.9	2700	GW203-OW1A-0080	310.09	70	476.42
Trichlorofluoromethane	31	20	64.5	0.5	16000	0.4	530	GW203-OW8-0075	361.75	20	796.25
Trichlorotrifluoroethane	31	23	74.2	0.5	16000	0.22	1400	GW203-MW04B-0075	519.45	28	960.06
Vinyl Chloride	31	3	9.7	0.5	16000	0.53	4	GW203-MW09A-0032	308.62	10	747.07
Xylenes (total)	31	2	6.5	0.5	16000	1.3	9.6	GW203-MW09A-0032	308.84	10	747.27
1,4-Dioxane	15	15	100.0	n/a	n/a	0.9	71000	GW203-OW1A-0080	4833.55	20	13157.32
Perchlorate	31	31	100.0	n/a	n/a	1.1	7	GW203-MW07A-0041	3.65	3.7	4.09
Inorganics (Total) (ug/l)											
Aluminum	31	3	9.7	40.9	278	229	2260	GW203-OW7-0081	120.12	20.85	242.99
Antimony	31	2	6.5	2.5	7.9	2.5	2.6	GW203-MW09A-0032	1.47	1.25	1.65
Arsenic	31	9	29.0	2.2	2.2	2.3	5.5	GW203-OW8-0075	1.65	1.1	1.97
Barium	31	31	100.0	n/a	n/a	24.8	99.4	GW203-MW08D-0116	47.1	43	52.55
Beryllium	31	0	0 0	0 2	0 44	n/a	n/a		0 12	0 1	0 13
Cadmium	31	1	3.2	0.2	0.27	0.32	0.32	GW203-OW1A-0080	0.11	0.1	0.12
Calcium	31	31	100.0	n/a	n/a	87300	330000	GW203-MW07A-0041	183654.84	174000	200240.69
Chromium	31	31	100.0	n/a	n/a	0.88	131	GW203-MW01A-0055	24.47	7.5	35.39
Cobalt	31	5	16.1	0.7	0.7	0.87	4	GW203-OW1A-0080	0.59	0.35	0.81
Copper	31	0	0 0	1 6	1 6	n/a	n/a		0 8	0 8	0 8
Cyanide	31	15	48.4	0.4	0.4	0.45	7.2	GW203-OW1A-0080	0.93	0.2	1.35
Iron	31	9	29.0	14.2	81.1	50.8	3590	GW203-OW1B-0116	312.99	7.1	582.03
Lead	31	0	0 0	1 4	1 4	n/a	n/a		0 7	0 7	0 7

n/a - Criteria not available
Half undetect weighting used for statistical calculations

Omega Comprehensive Statistical Data Summary - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Number of Samples Analyzed	Number of Detections	Detection Frequency (%)	Minimum Detection Limit	Maximum Detection Limit	Minimum Detected Value	Maximum Detected Value	Sample Number of Maximum Detected Value	Arithmetic Mean	Median Value	Upper 95% Confidence Limit
Inorganics (Total) (ug/l)											
Magnesium	31	31	100.0	n/a	n/a	38800	95200	GW203-MW07A-0041	53716.13	51100	57563.68
Manganese	31	21	67.7	0.2	2.3	0.39	1590	GW203-OW8-0075	110.31	4.2	204.64
Mercury	31	2	6.5	0.1	0.1	0.24	7.3	GW203-OW6-0048	0.29	0.05	0.69
Nickel	31	10	32.3	1.2	1.2	1.3	121	GW203-OW5-1048	9.81	0.6	18.93
Potassium	31	31	100.0	n/a	n/a	2470	8240	GW203-MW09A-0032	4384.52	4180	4865.91
Selenium	31	6	19.4	3.5	12.2	14.8	36.4	GW203-MW08A-0040	7.42	4	10.04
Silver	31	8	25.8	0.9	0.9	0.92	2	GW203-OW8-0075	0.68	0.45	0.81
Sodium	31	31	100.0	n/a	n/a	67800	202000	GW203-MW07A-0041	110774.19	98800	121441.88
Thallium	31	0	0 0	2 9	3 6	n/a	n/a		1 48	1 45	1 5
Vanadium	31	31	100.0	n/a	n/a	4.2	17.1	GW203-OW7-0081	6.88	6.5	7.62
Zinc	31	3	9.7	1.5	1.5	3.7	35.6	GW203-OW1B-0116	2.71	0.75	4.95
Inorganics (Dissolved) (ug/l)											
Aluminum	31	0	0 0	40 9	81 1	n/a	n/a		21 12	20 45	22 22
Antimony	31	2	6.5	2.5	2.5	2.8	8.3	GW203-MW01B-1080	1.53	1.25	1.92
Arsenic	31	6	19.4	2.2	2.2	2.4	4.6	GW203-OW8-0075	1.47	1.1	1.72
Barium	31	31	100.0	n/a	n/a	24.4	434	GW203-OW1B-0116	59.64	43.6	81.53
Beryllium	31	0	0 0	0 2	0 51	n/a	n/a		0 11	0 1	0 12
Cadmium	31	1	3.2	0.2	0.37	0.56	0.56	GW203-MW01B-1080	0.12	0.1	0.14
Calcium	31	31	100.0	n/a	n/a	89600	330000	GW203-MW07A-0041	180941.94	178000	197460.82
Chromium	31	31	100.0	n/a	n/a	0.78	125	GW203-MW01A-0055	23.45	7.1	34.25
Cobalt	31	9	29.0	0.7	0.7	0.71	7	GW203-MW01B-1080	0.84	0.35	1.26
Copper	31	0	0 0	1 6	1 6	n/a	n/a		0 8	0 8	0 8
Iron	31	5	16.1	14.2	14.2	40.4	721	GW203-OW8-0075	50.65	7.1	94.27
Lead	31	1	3.2	1.4	1.4	1.6	1.6	GW203-OW8-0075	0.73	0.7	0.78
Magnesium	31	31	100.0	n/a	n/a	37200	94700	GW203-MW07A-0041	52780.65	51500	56586.13
Manganese	31	22	71.0	0.2	0.23	0.31	1320	GW203-OW8-0075	96.77	1.1	177.36
Mercury	31	1	3.2	0.1	0.1	0.13	0.13	GW203-OW6-0048	0.05	0.05	0.06
Nickel	31	13	41.9	1.2	1.2	1.3	127	GW203-OW5-0048	9.95	0.6	19.3
Potassium	31	31	100.0	n/a	n/a	2170	8260	GW203-MW09A-0032	4339.03	4070	4817.92
Selenium	31	30	96.8	2.3	2.3	2.7	36.3	GW203-MW08A-0040	9.07	6.6	11.53
Silver	31	4	12.9	0.9	0.9	1	2.2	GW203-MW01B-1080	0.57	0.45	0.68
Sodium	31	31	100.0	n/a	n/a	66700	204000	GW203-MW07A-0041	109464.52	101000	120156.81
Thallium	31	1	3.2	2.9	3.6	3.2	3.2	GW203-MW01B-1080	1.53	1.45	1.63

n/a - Criteria not available
Half undetect weighting used for statistical calculations

Omega Comprehensive Statistical Data Summary - Groundwater Sampling: Second Quarter 2003, Whittier, CA

Constituent	Number of Samples Analyzed	Number of Detections	Detection Frequency (%)	Minimum Detection Limit	Maximum Detection Limit	Minimum Detected Value	Maximum Detected Value	Sample Number of Maximum Detected Value	Arithmetic Mean	Median Value	Upper 95% Confidence Limit
Inorganics (Dissolved) (ug/l)											
Vanadium	31	31	100.0	n/a	n/a	2.1	14.6	GW203-MW01B-1080	6.72	6.4	7.38
Zinc	31	2	6.5	1.5	1.5	41.1	89.9	GW203-OW1B-0116	4.93	0.75	10.22

n/a - Criteria not available
Half undetect weighting used for statistical calculations

APPENDIX C
QUALIFIED DATA REPORTS

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No Y0XJ1
Site OMEGA RECOVERY SERV
Lab CLAYTON GROUP SERVICES INC
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location	GW203-MW03A-0042			GW203-MW11A-0045			GW203-OW1B-0116			GW203-OW4A-0073			GW203-OW4B-0125			GW203-OW7-0081			GW203-OW4A-2002		
Sample ID	Y0XG4			Y0XH9			Y0XJ1			Y0XJ4			Y0XJ5			Y0XJ9			Y0XK2		
Collection Date	05/16/2003			05/16/2003			05/13/2003			05/14/2003			05/14/2003			05/15/2003			04/14/2003		
Dilution Factor	1 0			2 0			5 0			25 0			5 0			10 0			1 0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluorometha	0 5U	U		1U	U		3U	UJ		13U	UJ		3U	UJ		5U	U		0 5U	R	
Chloromethane	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
Vinyl Chloride	0 5U	U		1U	U		1J	J		13U	UJ		3U	UJ		5U	U		0 5U	R	
Bromomethane	0.2J	J		0 3J	J		3U	UJ		13U	UJ		3U	UJ		5U	U		0 5U	R	
Chloroethane	0 5U	U		1U	U		0 9J	J		6J	J		0 7J	J		5U	U		0 5U	R	
Trichlorofluoromethan	0.5U	U		0 4J	J		0 8J	J		70			2J	J		30			0 5U	R	
1 1-Dichloroethene	0 5U	U		1U	U		3U	U		260			3U	U		5U	U		0 5U	R	
1,1,2-Trichloro-1,2,2-tr	0 5U	U		0 4J	J		3			140			31			28			0 5U	R	
Acetone	5BJ	UJ		10BJ	UJ		25BJ	UJ		130BJ	UJ		96B	J		50BJ	UJ		5BJ	UJ	
Carbon Disulfide	0 5U	U		1U	U		1J	J		4J	J		3U	U		5U	U		0 5U	R	
Methyl Acetate	0 5U	U		1U	UJ		3U	UJ		13U	UJ		3U	UJ		5U	UJ		0 5U	R	
Methylene Chloride	0 5U	U		1BJ	UJ		3BJ	UJ		13U	U		3U	U		5U	U		0 5BJ	UJ	
trans-1,2-Dichloroethe	0 5U	U		1U	U		3U	U		13U	U		3U	U		5U	UJ		0 5U	R	
Methyl tert-Butyl Ether	0 5U	U		0 4J	J		3U	U		13U	U		3U	U		5U	U		0 5U	R	
1,1-Dichloroethane	0 5U	U		1			0 6J	J		13U	U		3U	U		5U	U		0 5U	R	
cis-1,2-Dichloroethene	0 5U	U		2			3U	U		13U	U		3U	U		5U	UJ		0 5U	R	
2-Butanone	5U	U		10BJ	UJ		25U	U		130U	U		25U	U		50U	U		5U	R	
Bromochloromethane	0 5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
Chloroform	0 1J	J		0 8J	J		1J	J		9J	J		3U	U		4J	J		0 5J	J	
1,1,1-Trichloroethane	0 5U	U		1U	U		3U	U		13U	U		0 5J	J		5U	U		0 5U	R	
Cyclohexane	0 5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
Carbon Tetrachloride	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
Benzene	0 5U	U		1U	U		1J	J		13U	U		1J	J		5U	U		0 5U	R	
1,2-Dichloroethane	0 5U	U		1U	U		0 7J	J		13U	U		3U	U		5U	U		0 5U	R	
Trichloroethene	0 5U	U		2			3			13			3			2J	J		0 5U	R	
Methylcyclohexane	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
1,2-Dichloropropane	0 5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
Bromodichloromethan	0 5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
cis-1,3-Dichloroproper	0 5U	U		1U	U		3U	U		13U	UJ		3U	U		5U	U		0 5U	R	
4-Methyl-2-pentanone	5U	U		10U	U		25U	U		130U	U		25U	U		50U	U		5U	R	
Toluene	0 5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
trans-1,3-Dichloroprop	0 5U	U		1U	U		3U	U		13U	UJ		3U	U		5U	U		0 5U	R	
1,1,2-Trichloroethane	0 5U	U		1U	U		3U	U		13U	UJ		3U	U		5U	U		0 5U	R	
Tetrachloroethene	0 5U	U		17			61			89			42			11			0 5U	R	
2-Hexanone	5U	U		10U	U		25U	U		130U	U		25U	U		50U	U		5U	R	
Dibromochloromethan	0.5U	UJ		1U	U		3U	UJ		13U	UJ		3U	UJ		5U	R		0 5U	R	
1 2-Dibromoethane	0 5U	UJ		1U	U		3U	UJ		13U	UJ		3U	UJ		5U	R		0 5U	R	

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No : Y0XJ1
Site : OMEGA RECOVERY SERV.
Lab : CLAYTON GROUP SERVICES INC.
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	GW203-MW03A-0042			GW203-MW11A-0045			GW203-OW1B-0116			GW203-OW4A-0073			GW203-OW4B-0125			GW203-OW7-0081			GW203-OW4A-2002		
Sample ID :	Y0XG4			Y0XH9			Y0XJ1			Y0XJ4			Y0XJ5			Y0XJ9			Y0XK2		
Collection Date :	05/16/2003			05/16/2003			05/13/2003			05/14/2003			05/14/2003			05/15/2003			04/14/2003		
Dilution Factor :	1.0			2.0			5.0			25 0			5.0			10.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0 5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
Ethylbenzene	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0.5U	R	
Xylenes (total)	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0.5U	R	
Styrene	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0.5U	R	
Bromoform	2B	J		3B	J		10B	J		44B	J		9B	J		27B	J		1B	J	
Isopropylbenzene	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0.5U	R	
1,1,2,2-Tetrachloroeth	0 5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0.5U	R	
1,3-Dichlorobenzene	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0.5U	R	
1,4-Dichlorobenzene	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	
1,2-Dichlorobenzene	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0.5U	R	
1,2-Dibromo-3-chlorop	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0.5U	R	
1,2,4-Trichlorobenzene	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0.5U	R	
1,2,3-Trichlorobenzene	0.5U	U		1U	U		3U	U		13U	U		3U	U		5U	U		0 5U	R	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. . Y0XJ1
Site : OMEGA RECOVERY SERV.
Lab : CLAYTON GROUP SERVICES INC.
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	GW203-MW03A-2004			GW203-OW7-4001			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	Y0XK4			Y0XK9			VBLKLK			VBLKLL			VBLKLM			VBLKLN			VHBLKLA		
Collection Date :	05/16/2003			05/15/2003																	
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluorometha	0.5U	U		0.5U	U		0.5U	UJ		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Chloromethane	0.5U	U		0.3J	J		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Vinyl Chloride	0.5U	U		0.5U	U		0 5U	UJ		0.5U	U		0.5U	U		0.5U	U		0 5U	U	
Bromomethane	0.5U	U		0.5U	U		0.5U	UJ		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Chloroethane	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0 5U	U	
Trichlorofluoromethan	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
1,1-Dichloroethene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
1,1,2-Trichloro-1,2,2-tr	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Acetone	5BJ	UJ		5BJ	UJ		1J	J		2J	J		3J	J		0.9J	J		0.9BJ	J	
Carbon Disulfide	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Methyl Acetate	0.5U	UJ		0 5U	UJ		0.5U	UJ		0.5U	U		0.5U	UJ		0.5U	U		0.5U	U	
Methylene Chloride	0.5BJ	UJ		0.5U	U		0.3J	J		0.4J	J		0.3J	J		0.2J	J		0.3BJ	J	
trans-1,2-Dichloroethe	0.5U	UJ		0 5U	UJ		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0 5U	U	
Methyl tert-Butyl Ether	0.5U	U		0.2J	J		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
1,1-Dichloroethane	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
cis-1,2-Dichloroethene	0.5U	UJ		0.5U	UJ		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
2-Butanone	5U	U		5U	U		5U	U		5U	U		5J	J		4J	J		3BJ	J	
Bromochloromethane	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Chloroform	1			6			0 5U	U		0 5U	U		0.5U	U		0 2J	J		0 5U	U	
1,1,1-Trichloroethane	0.5U	U		0.5U	U		0.5U	U		0 5U	U		0.5U	U		0.5U	U		0.5U	U	
Cyclohexane	0.5U	U		0.5U	U		0 5U	U		0.5U	U		0.5U	U		0.5U	U		0 5U	U	
Carbon Tetrachloride	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Benzene	0.5U	U		0.5U	U		0 5U	U		0.5U	U		0 5U	U		0 5U	U		0.5U	U	
1,2-Dichloroethane	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Trichloroethene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0 5U	U		0.5U	U	
Methylcyclohexane	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
1,2-Dichloropropane	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Bromodichloromethan	0.5U	U		3			0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
cis-1,3-Dichloroproper	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
4-Methyl-2-pentanone	5U	UJ		5U	U		5U	U		5U	U		5U	U		5U	U		5U	U	
Toluene	0.5U	U		0.2J	J		0.5U	U		0.5U	U		0 5U	U		0 5U	U		0 5U	U	
trans-1,3-Dichloroprop	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
1,1,2-Trichloroethane	0.5U	U		0 5U	U		0.5U	U		0.5U	U		0 5U	U		0.5U	U		0.5U	U	
Tetrachloroethene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
2-Hexanone	5U	UJ		5U	U		5U	U		5U	U		5U	U		5U	U		5U	U	
Dibromochloromethan	0.5U	R		2	J		0.5U	U		0.5U	U		0 5U	U		0.5U	U		0.5U	U	
1,2-Dibromoethane	0 5U	R		0.5U	R		0 5U	U		0.5U	U		0 5U	U		0 5U	U		0 5U	U	

ANALYTICAL RESULTS
Table 1A

Case No. . 31721 SDG No. . Y0XJ1
Site OMEGA RECOVERY SERV.
Lab . CLAYTON GROUP SERVICES INC
Reviewer :
Date .

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	GW203-MW03A-2004			GW203-OW7-4001			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	Y0XK4			Y0XK9			VBLKLK			VBLKLL			VBLKLM			VBLKLN			VHBLKLA		
Collection Date	05/16/2003			05/15/2003																	
Dilution Factor :	1.0			1.0			1.0			1 0			1.0			1.0			1.0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0 5U	U	
Ethylbenzene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Xylenes (total)	0.5U	U		0.5U	U		0 5U	U		0 5U	U		0 5U	U		0.5U	U		0 5U	U	
Styrene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
Bromoform	3B	J		3B	J		0.5			1	J		2	J		2			2B		
Isopropylbenzene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
1,1,2,2-Tetrachloroeth	0.5U	U		0 5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0 5U	U	
1,3-Dichlorobenzene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
1,4-Dichlorobenzene	0.5U	U		0 5U	U		0.5U	U		0.5U	U		0 5U	U		0.5U	U		0 5U	U	
1,2-Dichlorobenzene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
1,2-Dibromo-3-chlorop	0.5U	U		0 5U	U		0.5U	U		0 5U	U		0.5U	U		0 5U	U		0 5U	U	
1,2,4-Trichlorobenzene	0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U		0.5U	U	
1,2,3-Trichlorobenzene	0.5U	U		0.5U	U		0.5U	U		0 5U	U		0 5U	U		0.5U	U		0 5U	U	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. Y0XJ1
Site : OMEGA RECOVERY SERV.
Lab : CLAYTON GROUP SERVICES INC.
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :																					
Sample ID :	CRQL																				
Collection Date :																					
Dilution Factor .																					
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
Dichlorodifluorometha	0.5																				
Chloromethane	0.5																				
Vinyl Chloride	0.5																				
Bromomethane	0.5																				
Chloroethane	0 5																				
Trichlorofluoromethan	0.5																				
1,1-Dichloroethene	0.5																				
1,1,2-Trichloro-1,2,2-tr	0.5																				
Acetone	5																				
Carbon Disulfide	0.5																				
Methyl Acetate	0.5																				
Methylene Chloride	0.5																				
trans-1,2-Dichloroethe	0 5																				
Methyl tert-Butyl Ether	0.5																				
1,1-Dichloroethane	0.5																				
cis-1,2-Dichloroethene	0.5																				
2-Butanone	5																				
Bromochloromethane	0.5																				
Chloroform	0 5																				
1,1,1-Trichloroethane	0.5																				
Cyclohexane	0.5																				
Carbon Tetrachloride	0.5																				
Benzene	0.5																				
1,2-Dichloroethane	0.5																				
Trichloroethene	0 5																				
Methylcyclohexane	0.5																				
1,2-Dichloropropane	0.5																				
Bromodichloromethan	0.5																				
cis-1,3-Dichloroproper	0.5																				
4-Methyl-2-pentanone	5																				
Toluene	0.5																				
trans-1,3-Dichloroprop	0.5																				
1,1,2-Trichloroethane	0.5																				
Tetrachloroethene	0.5																				
2-Hexanone	5																				
Dibromochloromethan	0.5																				
1,2-Dibromoethane	0 5																				

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : Y0XJ1
Site . OMEGA RECOVERY SERV
Lab : CLAYTON GROUP SERVICES INC.
Reviewer :
Date .

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :																					
Sample ID :	CRQL																				
Collection Date .																					
Dilution Factor :																					
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.5																				
Ethylbenzene	0.5																				
Xylenes (total)	0.5																				
Styrene	0.5																				
Bromoform	0.5																				
Isopropylbenzene	0.5																				
1,1,2,2-Tetrachloroeth	0.5																				
1,3-Dichlorobenzene	0.5																				
1,4-Dichlorobenzene	0.5																				
1,2-Dichlorobenzene	0.5																				
1,2-Dibromo-3-chlorop	0.5																				
1,2,4-Trichlorobenzene	0.5																				
1,2,3-Trichlorobenzene	0.5																				

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No Y0XJ0
Site . OMEGA RECOVERY SERV.
Lab MITKEM CORPORATION
Reviewer .
Date .

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location	GW203-MW01A-0055			GW203-MW01B-0080			GW203-MW01B-1080			GW203-MW02A-0055			GW203-MW04A-0047			GW203-MW04A-1047			GW203-MW04B-0075		
Sample ID	Y0XG0			Y0XG1			Y0XG2			Y0XG3			Y0XG5			Y0XG6			Y0XG7		
Collection Date	05/21/2003			05/21/2003			05/21/2003			05/22/2003			05/19/2003			05/19/2003			05/19/2003		
Dilution Factor	4 0			2 0			2 0			20 0			10 0			6 0			12 0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
DICHLORODIFLUORO	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
CHLOROMETHANE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
VINYL CHLORIDE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
BROMOMETHANE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
CHLOROETHANE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
TRICHLOROFLUORO	40U	UJ		20U	UJ		20U	UJ		330	J		300			240			470		
1,1-DICHLOROETHE	14J	J		19J	J		20			1200			600			600			1300		
1,1,2-TRICHLORO-1,2	40U	U		20U	U		20U	U		1000			910			650			1400		
ACETONE	40U	U		20U	U		20U	U		200U	U		100U	UJ		60U	UJ		120U	UJ	
CARBON DISULFIDE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
METHYL ACETATE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
METHYLENE CHLOR	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
TRANS-1,2-DICHLOR	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
METHYL TERT-BUTY	40U	UJ		20U	UJ		20U	UJ		200U	UJ		100U	U		60U	U		28J	J	
1,1-DICHLOROETHA	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
CIS-1,2-DICHLOROE	40U	U		20U	U		20U	U		16J	J		100U	U		12J	J		120U	U	
2-BUTANONE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
CHLOROFORM	40U	U		20U	U		20U	U		660			56J	J		72			180		
1,1,1-TRICHLOROET	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
CYCLOHEXANE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
CARBON TETRACHL	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
BENZENE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
1,2-DICHLOROETHA	40U	U		20U	U		20U	U		73J	J		100U	UJ		60U	UJ		120U	UJ	
TRICHLOROETHENE	420			230			240			450			450			530			520		
METHYLCYCLOHEXA	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
1,2-DICHLOROPROP	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
BROMODICHLOROM	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
CIS-1,3-DICHLOROP	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
4-METHYL-2-PENTA	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
TOLUENE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
TRANS-1,3-DICHLOR	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
1,1,2-TRICHLOROET	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
TETRACHLOROETHE	38J	J		32			34			2700			780			850			1500		
2-HEXANONE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
DIBROMOCHLOROM	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
1,2-DIBROMOETHAN	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
CHLOROBENZENE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No Y0XJ0
Site OMEGA RECOVERY SERV
Lab MITKEM CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location	GW203-MW01A-0055			GW203-MW01B-0080			GW203-MW01B-1080			GW203-MW02A-0055			GW203-MW04A-0047			GW203-MW04A-1047			GW203-MW04B-0075		
Sample ID	Y0XG0			Y0XG1			Y0XG2			Y0XG3			Y0XG5			Y0XG6			Y0XG7		
Collection Date	05/21/2003			05/21/2003			05/21/2003			05/22/2003			05/19/2003			05/19/2003			05/19/2003		
Dilution Factor	4 0			2 0			2 0			20 0			10 0			6 0			12 0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ETHYLBENZENE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
XYLENES (TOTAL)	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
STYRENE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
BROMOFORM	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
ISOPROPYLBENZEN	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
1,1,2,2-TETRACHLOR	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
1,3-DICHLOROBENZE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
1,4-DICHLOROBENZE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
1,2-DICHLOROBENZE	40U	U		20U	U		20U	U		200U	U		100U	U		60U	U		120U	U	
1,2-DIBROMO-3-CHL	40U	R		20U	R		20U	R		200U	R		100U	R		60U	R		120U	R	
1,2,4-TRICHLOROBE	40U	U		20U	U		20U	U		200U	U		100U	UJ		60U	UJ		120U	UJ	

Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comments Refer to the Corresponding Section in the Narrative for each letter
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : Y0XJ0
Site : OMEGA RECOVERY SERV.
Lab . MITKEM CORPORATION
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	GW203-MW06A-0042			GW203-MW08A-0040			GW203-MW08D-0116			GW203-OW1A-0080			GW203-OW2-0078			GW203-OW3-0080			GW203-OW5-0048		
Sample ID :	Y0XH0			Y0XH2			Y0XH5			Y0XJ0			Y0XJ2			Y0XJ3			Y0XJ6		
Collection Date :	05/19/2003			05/20/2003			05/20/2003			05/13/2003			05/13/2003			05/14/2003			05/14/2003		
Dilution Factor :	3.0			3.0			1.0			1600.0			10.0			20.0			5.0		
Volatile Compound	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
DICHLORODIFLUORO	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
CHLOROMETHANE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
VINYL CHLORIDE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
BROMOMETHANE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
CHLOROETHANE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
TRICHLOROFLUORO	30U	U		30U	U		10U	U		16000U	U		190			230			74		
1,1-DICHLOROETHE	30U	U		30U	U		10U	U		16000U	U		620			880			72		
1,1,2-TRICHLORO-1,2	30U	U		30U	U		10U	U		16000U	U		510			320	J		240	J	
ACETONE	30U	UJ		30U	UJ		10U	UJ		16000U	U		100U	U		200U	U		50U	U	
CARBON DISULFIDE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	UJ		50U	UJ	
METHYL ACETATE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
METHYLENE CHLOR	30U	U		30U	U		10U	U		4200JB	J		100JB	UJ		200U	U		6J	J	
TRANS-1,2-DICHLOR	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
METHYL TERT-BUTY	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,1-DICHLOROETHA	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
CIS-1,2-DICHLOROE	30U	U		17J	J		10U	U		16000U	U		100U	U		200U	U		67		
2-BUTANONE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
CHLOROFORM	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		19J	J	
1,1,1-TRICHLOROET	30U	U		30U	U		10U	U		8000J	J		100U	U		200U	U		50U	U	
CYCLOHEXANE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
CARBON TETRACHL	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
BENZENE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,2-DICHLOROETHA	30U	UJ		30U	UJ		10U	UJ		16000U	U		100U	U		200U	U		50U	U	
TRICHLOROETHENE	6J	J		70			18			2700J	J		160			170J	J		580	J	
METHYLCYCLOHEXA	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,2-DICHLOROPROP	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
BROMODICHLOROM	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
CIS-1,3-DICHLOROP	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
4-METHYL-2-PENTAN	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
TOLUENE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
TRANS-1,3-DICHLOR	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,1,2-TRICHLOROET	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
TETRACHLOROETHE	480			390			2J	J		160000			1500			1600			350		
2-HEXANONE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
DIBROMOCHLOROM	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,2-DIBROMOETHAN	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
CHLOROBENZENE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : Y0XJ0
Site : OMEGA RECOVERY SERV.
Lab : MITKEM CORPORATION
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location .	GW203-MW06A-0042			GW203-MW08A-0040			GW203-MW08D-0116			GW203-OW1A-0080			GW203-OW2-0078			GW203-OW3-0080			GW203-OW5-0048		
Sample ID :	Y0XH0			Y0XH2			Y0XH5			Y0XJ0			Y0XJ2			Y0XJ3			Y0XJ6		
Collection Date :	05/19/2003			05/20/2003			05/20/2003			05/13/2003			05/13/2003			05/14/2003			05/14/2003		
Dilution Factor :	3.0			3.0			1.0			1600.0			10.0			20.0			5 0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ETHYLBENZENE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
XYLENES (TOTAL)	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
STYRENE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
BROMOFORM	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
ISOPROPYLBENZEN	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,1,2,2-TETRACHLOR	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,3-DICHLOROBENZE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,4-DICHLOROBENZE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,2-DICHLOROBENZE	30U	U		30U	U		10U	U		16000U	U		100U	U		200U	U		50U	U	
1,2-DIBROMO-3-CHL	30U	R		30U	R		10U	R		16000U	R		100U	R		200U	R		50U	R	
1,2,4-TRICHLOROBE	30U	UJ		30U	UJ		10U	UJ		16000U	UJ		100U	UJ		200U	U		50U	U	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No Y0XJ0
Site OMEGA RECOVERY SERV
Lab MITKEM CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location	GW203-OW5-1048			GW203-OW6-0048			GW203-OW8-0075			GW203-OW1A-2001			GW203-OW6-2003			GW203-MW04A-2005			Method Blank		
Sample ID	Y0XJ7			Y0XJ8			Y0XK0			Y0XK1			Y0XK3			Y0XK5			VBLK1E		
Collection Date	05/14/2003			05/15/2003			05/15/2003			05/13/2003			05/15/2003			05/19/2003					
Dilution Factor	5 0			5 0			200 0			1 0			1 0			1 0			1 0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
DICHLORODIFLUORO	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
CHLOROMETHANE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
VINYL CHLORIDE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
BROMOMETHANE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
CHLOROETHANE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
TRICHLOROFLUORO	77			290			530J	J		10U	U		10U	U		10U	U		10U	U	
1,1-DICHLOROETHE	73			89			1900J	J		10U	U		10U	U		10U	U		10U	U	
1,1,2-TRICHLORO-1,2	250	J		440	J		1200J	J		10U	UJ		10U	UJ		10U	U		10U	UJ	
ACETONE	50U	U		50U	U		2000U	U		10U	U		10U	U		9J	J		10U	U	
CARBON DISULFIDE	50U	UJ		50U	UJ		2000U	UJ		10U	UJ		10U	UJ		10U	U		10U	UJ	
METHYL ACETATE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
METHYLENE CHLOR	7J	J		50U	U		420J	J		10U	U		10U	U		10U	U		10U	U	
TRANS-1,2-DICHLOR	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
METHYL TERT-BUTY	50U	U		53			2000U	U		10U	U		10U	U		10U	U		10U	U	
1,1-DICHLOROETHA	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
CIS-1,2-DICHLOROE	63			50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
2-BUTANONE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
CHLOROFORM	18J	J		50U	U		530J	J		10U	U		10U	U		10U	U		10U	U	
1,1,1-TRICHLOROET	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
CYCLOHEXANE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
CARBON TETRACHL	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
BENZENE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
1,2-DICHLOROETHA	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	UJ		10U	U	
TRICHLOROETHENE	570	J		15J	J		1200J	J		10U	UJ		10U	UJ		10U	U		10U	UJ	
METHYLCYCLOHEXA	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
1,2-DICHLOROPROP	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
BROMODICHLOROM	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
CIS-1,3-DICHLOROP	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
4-METHYL-2-PENTA	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
TOLUENE	50U	U		50U	U		2000U	U		1J	J		10U	U		10U	U		10U	U	
TRANS-1,3-DICHLOR	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
1,1,2-TRICHLOROET	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
TETRACHLOROETHE	350			80			15000			10U	U		10U	U		10U	U		10U	U	
2-HEXANONE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
DIBROMOCHLOROM	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
1,2-DIBROMOETHAN	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
CHLOROBENZENE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No Y0XJ0
Site OMEGA RECOVERY SERV
Lab MITKEM CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location	GW203-OW5-1048			GW203-OW6-0048			GW203-OW8-0075			GW203-OW1A-2001			GW203-OW6-2003			GW203-MW04A-2005			Method Blank		
Sample ID	Y0XJ7			Y0XJ8			Y0XK0			Y0XK1			Y0XK3			Y0XK5			VBLK1E		
Collection Date	05/14/2003			05/15/2003			05/15/2003			05/13/2003			05/15/2003			05/19/2003					
Dilution Factor	5 0			5 0			200 0			1 0			1 0			1 0			1 0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ETHYLBENZENE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
XYLENES (TOTAL)	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
STYRENE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
BROMOFORM	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
ISOPROPYLBENZEN	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
1,1,2,2-TETRACHLOR	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
1,3-DICHLOROBENZE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
1,4-DICHLOROBENZE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
1,2-DICHLOROBENZE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	U		10U	U	
1,2-DIBROMO-3-CHL	50U	R		50U	R		2000U	R		10U	R		10U	R		10U	R		10U	R	
1,2,4-TRICHLOROBE	50U	U		50U	U		2000U	U		10U	U		10U	U		10U	UJ		10U	U	

Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comments Refer to the Corresponding Section in the Narrative for each letter
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank TB - Trip Blank BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No Y0XJ0
Site OMEGA RECOVERY SERV
Lab MITKEM CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location	Method Blank			Method Blank			Method Blank			Method Blank											
Sample ID	VBLK1M			VBLK1Q			VBLK1Z			VHBLK1Z			CRQL								
Collection Date																					
Dilution Factor	1 0			1 0			1 0			1 0											
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
DICHLORODIFLUORO	10U	U		10U	U		10U	U		10U	U		10								
CHLOROMETHANE	10U	U		10U	U		10U	U		10U	U		10								
VINYL CHLORIDE	10U	U		10U	U		10U	U		10U	U		10								
BROMOMETHANE	10U	U		10U	U		10U	U		10U	U		10								
CHLOROETHANE	10U	U		10U	U		10U	U		10U	U		10								
TRICHLOROFLUORO	10U	U		10U	U		10U	UJ		10U	UJ		10								
1,1-DICHLOROETHE	10U	U		10U	U		10U	U		10U	U		10								
1,1,2-TRICHLORO-1,2	10U	U		10U	U		10U	U		10U	U		10								
ACETONE	10U	U		10U	UJ		10U	U		10U	U		10								
CARBON DISULFIDE	10U	U		10U	U		10U	U		10U	U		10								
METHYL ACETATE	10U	U		10U	U		10U	U		10U	U		10								
METHYLENE CHLOR	2J	J		10U	U		10U	U		10U	U		10								
TRANS-1,2-DICHLOR	10U	U		10U	U		10U	U		10U	U		10								
METHYL TERT-BUTY	10U	U		10U	U		10U	UJ		10U	UJ		10								
1,1-DICHLOROETHAN	10U	U		10U	U		10U	U		10U	U		10								
CIS-1,2-DICHLOROE	10U	U		10U	U		10U	U		10U	U		10								
2-BUTANONE	10U	U		10U	U		10U	U		10U	U		10								
CHLOROFORM	10U	U		10U	U		10U	U		10U	U		10								
1,1,1-TRICHLOROETH	10U	U		10U	U		10U	U		10U	U		10								
CYCLOHEXANE	10U	U		10U	U		10U	U		10U	U		10								
CARBON TETRACHL	10U	U		10U	U		10U	U		10U	U		10								
BENZENE	10U	U		10U	U		10U	U		10U	U		10								
1,2-DICHLOROETHAN	10U	U		10U	UJ		10U	U		10U	U		10								
TRICHLOROETHENE	10U	U		10U	U		10U	U		10U	U		10								
METHYLCYCLOHEXA	10U	U		10U	U		10U	U		10U	U		10								
1,2-DICHLOROPROP	10U	U		10U	U		10U	U		10U	U		10								
BROMODICHLOROM	10U	U		10U	U		10U	U		10U	U		10								
CIS-1,3-DICHLOROPR	10U	U		10U	U		10U	U		10U	U		10								
4-METHYL-2-PENTAN	10U	U		10U	U		10U	U		10U	U		10								
TOLUENE	10U	U		10U	U		10U	U		10U	U		10								
TRANS-1,3-DICHLOR	10U	U		10U	U		10U	U		10U	U		10								
1,1,2-TRICHLOROETH	10U	U		10U	U		10U	U		10U	U		10								
TETRACHLOROETHE	10U	U		10U	U		10U	U		10U	U		10								
2-HEXANONE	1J	J		1J	J		10U	U		10U	U		10								
DIBROMOCHLOROM	10U	U		10U	U		10U	U		10U	U		10								
1,2-DIBROMOETHAN	10U	U		10U	U		10U	U		10U	U		10								
CHLOROBENZENE	10U	U		10U	U		10U	U		10U	U		10								

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : Y0XJ0
Site . OMEGA RECOVERY SERV
Lab : MITKEM CORPORATION
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank											
Sample ID :	VBLK1M			VBLK1Q			VBLK1Z			VHBLK1Z			CRQL								
Collection Date :																					
Dilution Factor :	1.0			1.0			1 0			1 0											
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ETHYLBENZENE	10U	U		10U	U		10U	U		10U	U		10								
XYLENES,(TOTAL)	10U	U		10U	U		10U	U		10U	U		10								
STYRENE	10U	U		10U	U		10U	U		10U	U		10								
BROMOFORM	10U	U		10U	U		10U	U		10U	U		10								
ISOPROPYLBENZEN	10U	U		10U	U		10U	U		10U	U		10								
1,1,2,2-TETRACHLOR	10U	U		10U	U		10U	U		10U	U		10								
1,3-DICHLOROBENZE	10U	U		10U	U		10U	U		10U	U		10								
1,4-DICHLOROBENZE	10U	U		10U	U		10U	U		10U	U		10								
1,2-DICHLOROBENZE	10U	U		10U	U		10U	U		10U	U		10								
1,2-DIBROMO-3-CHL	10U	R		10U	R		10U	R		10U	R		10								
1,2,4-TRICHLOROBE	10U	UJ		10U	UJ		10U	U		10U	U		10								

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No Y0XG9
Site OMEGA RECOVERY SERV
Lab MITKEM CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location	GW203-MW05A-0049			GW203-MW01A-2008			GW203-MW05A-0049			Method Blank			Method Blank			Method Blank					
Sample ID	Y0XG9			Y0XK8			Y0XG9DL			VBLK1A			VBLK1B			VHBLK1B			CRQL		
Collection Date	05/22/2003			05/21/2003			05/22/2003														
Dilution Factor	1 0			1 0			16 0			1 0			1 0			1 0					
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
DICHLORODIFLUORO	1J	J		10U	UJ		160U	UJ		10U	UJ		10U	UJ		10U	UJ		10		
CHLOROMETHANE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
VINYL CHLORIDE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
BROMOMETHANE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
CHLOROETHANE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
TRICHLOROFLUORO	380E			10U	U		270D			10U	U		10U	U		10U	U		10		
1,1-DICHLOROETHE	1100E			10U	U		970D			10U	U		10U	U		10U	U		10		
1,1,2-TRICHLORO-1,2	1000E			10U	U		840D			10U	U		10U	U		10U	U		10		
ACETONE	10U	UJ		10U	UJ		160U	UJ		10U	UJ		10U	UJ		10U	UJ		10		
CARBON DISULFIDE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
METHYL ACETATE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
METHYLENE CHLOR	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
TRANS-1,2-DICHLOR	4J	J		10U	U		160U	U		10U	U		10U	U		10U	U		10		
METHYL TERT-BUTY	3J	J		10U	UJ		160U	UJ		10U	UJ		10U	UJ		10U	UJ		10		
1,1-DICHLOROETHA	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
CIS-1,2-DICHLOROE	34			10U	U		32JD	J		10U	U		10U	U		10U	U		10		
2-BUTANONE	10U	UJ		1J	J		160U	UJ		10U	UJ		1J	J		10U	UJ		10		
CHLOROFORM	330E			10U	U		330D			10U	U		10U	U		10U	U		10		
1,1,1-TRICHLOROETH	4J	J		10U	U		160U	U		10U	U		10U	U		10U	U		10		
CYCLOHEXANE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
CARBON TETRACHL	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
BENZENE	2J	J		10U	U		160U	U		10U	U		10U	U		10U	U		10		
1,2-DICHLOROETHA	28			10U	U		25JD	J		10U	U		10U	U		10U	U		10		
TRICHLOROETHENE	1200E			10U	U		1100D			10U	U		10U	U		10U	U		10		
METHYLCYCLOHEXA	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
1,2-DICHLOROPROP	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
BROMODICHLOROM	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
CIS-1,3-DICHLOROP	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
4-METHYL-2-PENTAN	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
TOLUENE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
TRANS-1,3-DICHLOR	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
1,1,2-TRICHLOROET	1J	J		10U	U		160U	U		10U	U		10U	U		10U	U		10		
TETRACHLOROETHE	1600E			10U	U		1400D			10U	U		10U	U		10U	U		10		
2-HEXANONE	10U	UJ		10U	UJ		160U	UJ		10U	UJ		10U	UJ		10U	UJ		10		
DIBROMOCHLOROM	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
1,2-DIBROMOETHAN	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
CHLOROBENZENE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No Y0XG9
Site OMEGA RECOVERY SERV
Lab MITKEM CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location	GW203-MW05A-0049			GW203-MW01A-2008			GW203-MW05A-0049			Method Blank			Method Blank			Method Blank					
Sample ID	Y0XG9			Y0XK8			Y0XG9DL			VBLK1A			VBLK1B			VHBLK1B			CRQL		
Collection Date	05/22/2003			05/21/2003			05/22/2003														
Dilution Factor	1 0			1 0			16 0			1 0			1 0			1 0					
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ETHYLBENZENE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
XYLENES (TOTAL)	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
STYRENE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
BROMOFORM	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
ISOPROPYLBENZEN	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
1,1,2,2-TETRACHLOR	10U	UJ		10U	UJ		160U	U		10U	UJ		10U	U		10U	U		10		
1,3-DICHLOROBENZE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
1,4-DICHLOROBENZE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
1,2-DICHLOROBENZE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		
1,2-DIBROMO-3-CHL	10U	R		10U	R		160U	R		10U	R		10U	R		10U	R		10		
1,2,4-TRICHLOROBE	10U	U		10U	U		160U	U		10U	U		10U	U		10U	U		10		

Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comments Refer to the Corresponding Section in the Narrative for each letter
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : Y0XG8
Site : OMEGA RECOVERY SERV.
Lab : CLAYTON GROUP SERVICES INC.
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	GW203-MW04C-0094			GW203-MW07A-0041			GW203-MW08B-0070			GW203-MW08C-0087			GW203-MW09A-0032			GW203-MW09B-0054			GW203-MW10A-0057		
Sample ID :	Y0XG8			Y0XH1			Y0XH3			Y0XH4			Y0XH6			Y0XH7			Y0XH8		
Collection Date :	05/19/2003			05/19/2003			05/20/2003			05/20/2003			05/21/2003			05/21/2003			05/20/2003		
Dilution Factor :	10.0			5.0			1.0			1.0			20.0			1.0			5 0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethan	5.0U	U		2.5U	U		0.15J	J		0.50U	U		4.6J	J		0 76			2.5U	U	
Chloromethane	5.0U	U		2.5U	U		0.50U	U		0.50U	U		6.0J	J		0.72			2.5U	U	
Vinyl Chloride	5.0U	U		2.5U	U		0.50U	U		0.50U	U		4.0J	J		0.53			2.5U	U	
Bromomethane	5.0U	UJ		2.5U	UJ		0.50U	UJ		0.50U	UJ		3.2J	J		0.56	J		2.5U	UJ	
Chloroethane	5.0U	U		2.5U	U		0.50U	U		0.50U	U		7.4J	J		0.54			2.5U	U	
Trichlorofluoromethane	5.7			2.5U	U		0.50U	U		0.50U	U		4.8J	J		0.61			22		
1,1-Dichloroethene	7.7			2.5U	U		0.50U	U		1.8			8 0J	J		1.1			28		
1,1,2-Trichloro-1,2,2-tr	20			2.7			0.32J	J		0.22J	J		5.4J	J		0.80			36		
Acetone	50BJ	UJ		25BJ	UJ		5.0BJ	UJ		5.0BJ	UJ		100BJ	UJ		5.0BJ	UJ		25BJ	UJ	
Carbon Disulfide	5.0U	U		2.5U	U		0.50U	U		0.50U	U		4.6J	J		0.46J	J		2.5U	U	
Methyl Acetate	5.0U	U		2.5U	U		0.50U	U		0.50U	U		10U	U		0.83	J		2.5U	U	
Methylene Chloride	5.0U	U		2.5U	U		0.50BJ	UJ		0.50U	U		10BJ	UJ		0.67B			2.5U	U	
trans-1,2-Dichloroethe	5.0U	U		2.5U	U		0.50U	U		0 50U	U		4 2J	J		0.52			2 5U	U	
Methyl tert-Butyl Ether	5.0U	U		2.5U	U		0.50U	U		0.50U	U		5.0J	J		1.3			2.5		
1,1-Dichloroethane	5.0U	U		2.5U	U		0.50U	U		0.50U	U		4.6J	J		0 63			2.5U	U	
cis-1,2-Dichloroethene	5.0U	U		1.6J	J		0.74			1.1			8.6J	J		0.60			1.1J	J	
2-Butanone	50U	U		25U	U		5.0U	U		5.0U	U		100U	U		0 64J	J		25U	U	
Bromochloromethane	5.0U	U		2.5U	U		0.50U	U		0.50U	U		10U	U		0.50U	U		2.5U	U	
Chloroform	3.2J	J		1.7J	J		0.32J	J		0.31J	J		10			0 83			2.2J	J	
1,1,1-Trichloroethane	5.0U	U		2.5U	U		0.50U	U		0.50U	U		4.6J	J		0.59			2.5U	U	
Cyclohexane	5.0U	U		2.5U	U		0.50U	U		0 50U	U		3 6J	J		0.53			2.5U	U	
Carbon Tetrachloride	5.0U	U		2.5U	U		0.50U	U		0.50U	U		4.6J	J		0.60			2.5U	U	
Benzene	5.0U	U		2.5U	U		0.50U	U		0.50U	U		5 4J	J		0.61			2.5U	U	
1,2-Dichloroethane	5.0U	U		2.5U	U		0.50U	U		0 50U	U		4.2J	J		0.82			0.65J	J	
Trichloroethene	97			4.3			1.9			2 0			14			2.2			39		
Methylcyclohexane	5.0U	U		2.5U	U		0.50U	U		0.50U	U		4.0J	J		0.51			2.5U	U	
1,2-Dichloropropane	5.0U	U		2.5U	U		0.50U	U		0.50U	U		10U	U		0.58			2 5U	U	
Bromodichloromethan	5.0U	U		2.5U	U		0.50U	U		0.50U	U		4.4J	J		0.59			2.5U	U	
cis-1,3-Dichloroproper	5.0U	U		2.5U	U		0.50U	U		0 50U	U		3.8J	J		0 67			2.5U	U	
4-Methyl-2-pentanone	50U	U		25U	U		5.0U	U		5.0U	U		100U	U		5.0U	U		25U	U	
Toluene	5 0U	U		2.5U	U		0.50U	U		0.50U	U		4.6J	J		0.51			2.5U	U	
trans-1,3-Dichloroprop	5.0U	U		2.5U	U		0.50U	U		0.50U	U		4.6J	J		0.55			2.5U	U	
1,1,2-Trichloroethane	5.0U	U		2.5U	U		0 50U	U		0.50U	U		4.2J	J		0.59			2.5U	U	
Tetrachloroethene	17			41			9.3			9.3			210			16			64		
2-Hexanone	50U	U		25U	U		5.0U	U		5.0U	U		100U	U		0.51J	J		25U	U	
Dibromochloromethan	5.0U	UJ		2.5U	U		0.50U	U		0.50U	U		4.4J	J		0.57			2.5U	U	
1,2-Dibromoethane	5.0U	UJ		2.5U	U		0.50U	U		0.50U	U		3 4J	J		0.58			2.5U	U	

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No Y0XG8
Site OMEGA RECOVERY SERV
Lab CLAYTON GROUP SERVICES INC
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location	GW203-MW04C-0094			GW203-MW07A-0041			GW203-MW08B-0070			GW203-MW08C-0087			GW203-MW09A-0032			GW203-MW09B-0054			GW203-MW10A-0057		
Sample ID	Y0XG8			Y0XH1			Y0XH3			Y0XH4			Y0XH6			Y0XH7			Y0XH8		
Collection Date	05/19/2003			05/19/2003			05/20/2003			05/20/2003			05/21/2003			05/21/2003			05/20/2003		
Dilution Factor	10 0			5 0			1 0			1 0			20 0			1 0			5 0		
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	5 0U	U		2 5U	U		0 50U	U		0 50U	U		5 0J	J		0 56			2 5U	U	
Ethylbenzene	5.0U	U		2.5U	U		0 50U	U		0.50U	U		3.6J	J		0.49J	J		2.5U	U	
Xylenes (total)	5 0U	U		2 5U	U		0 50U	U		0 50U	U		9 6J	J		1 3			2 5U	U	
Styrene	5 0U	U		2.5U	U		0 50U	U		0 50U	U		2 6J	J		0 21J	J		2.5U	U	
Bromoform	26B	J		7 4B			1 6B			1 6B			32B			1 8B			6 8B		
Isopropylbenzene	5.0U	U		2 5U	U		0 50U	U		0.50U	U		3 0J	J		0.44J	J		2.5U	U	
1,1,2,2-Tetrachloroeth	5 0U	U		2 5U	U		0 50U	U		0 50U	U		5 6J	J		0 67			2 5U	U	
1,3-Dichlorobenzene	5 0U	U		2 5U	U		0 50U	U		0 50U	U		4.2J	J		0.51			2.5U	U	
1,4-Dichlorobenzene	5 0U	U		2 5U	U		0 50U	U		0 50U	U		4 6J	J		0 55			2 5U	U	
1,2-Dichlorobenzene	5.0U	U		2.5U	U		0 50U	U		0 50U	U		5 0J	J		0 61			2.5U	U	
1,2-Dibromo-3-chlorop	5 0U	U		2 5U	U		0 50U	U		0 50U	U		4 4J	J		0 72			2 5U	U	
1,2,4-Trichlorobenzene	5.0U	U		2 5U	U		0 50U	U		0 50U	U		3.6J	J		0 50			2 5U	U	
1,2,3-Trichlorobenzene	5 0U	U		2 5U	U		0 50U	U		0 50U	U		10U	U		0 50U	U		2 5U	U	

Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comments Refer to the Corresponding Section in the Narrative for each letter
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : Y0XG8
Site : OMEGA RECOVERY SERV.
Lab : CLAYTON GROUP SERVICES INC.
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	GW203-MW08B-2006			GW203-MW09A-2007			Method Blank			Method Blank											
Sample ID :	Y0XK6			Y0XK7			VBLKLQ			VHBLKLA			CRQL								
Collection Date :	05/20/2003			05/21/2003																	
Dilution Factor :	1.0			1.0			1.0			1 0											
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluorometha	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Vinyl Chloride	0.50U	U		0.50U	U		0.50U	U		0 50U	U		0.50								
Bromomethane	0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50								
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0 50								
Trichlorofluoromethan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,1-Dichloroethene	0 50U	U		0.50U	U		0.50U	U		0 50U	U		0.50								
1,1,2-Trichloro-1,2,2-tr	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Acetone	5.0BJ	UJ		6.5B			2 7J	J		1 2BJ	J		5 0								
Carbon Disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Methyl Acetate	0.50U	U		0.50U	U		0.50U	U		0 50U	U		0.50								
Methylene Chloride	0.50BJ	UJ		0.50BJ	UJ		0.50			0.19BJ	J		0.50								
trans-1,2-Dichloroethe	0.50U	U		0.50U	U		0.50U	U		0 50U	U		0.50								
Methyl tert-Butyl Ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0 50								
2-Butanone	5.0U	U		5 0U	U		5 0U	U		3 5J	J		5.0								
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Chloroform	0.42J	J		0.48J	J		0.50U	U		0.50U	U		0 50								
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Carbon Tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Trichloroethene	0.50U	U		0.50U	U		0.50U	U		0 50U	U		0 50								
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,2-Dichloropropane	0.50U	U		0.50U	U		0 50U	U		0.50U	U		0.50								
Bromodichloromethan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
cis-1,3-Dichloroproper	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0								
Toluene	0.50U	U		0.50U	U		0 50U	U		0 50U	U		0.50								
trans-1,3-Dichloroprop	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5 0U	U		5 0								
Dibromochloromethan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. . Y0XG8
Site : OMEGA RECOVERY SERV.
Lab . CLAYTON GROUP SERVICES INC.
Reviewer .
Date .

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

Station Location :	GW203-MW08B-2006			GW203-MW09A-2007			Method Blank			Method Blank											
Sample ID :	Y0XK6			Y0XK7			VBLKLQ			VHBLKLA			CRQL								
Collection Date :	05/20/2003			05/21/2003																	
Dilution Factor :	1.0			1 0			1.0			1.0											
Volatile Compound	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chlorobenzene	0.50U	U		0 50U	U		0.50U	U		0.50U	U		0.50								
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Xylenes (total)	0.50U	U		0 50U	U		0 50U	U		0.50U	U		0.50								
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
Bromoform	1.6B			1.6B			1.6			1 2B			0.50								
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,1,2,2-Tetrachloroeth	0.50U	U		0.50U	U		0 50U	U		0.50U	U		0.50								
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0 50U	U		0.50								
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,2-Dibromo-3-chlorop	0.50U	U		0.50U	U		0 50U	U		0.50U	U		0.50								
1,2,4-Trichlorobenzen	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50								
1,2,3-Trichlorobenzen	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0 50								

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
CRQL - Contract Required Quantitation Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : MY0XH2
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water
Samples For Total Metals and Cyanide

Station Location :	GW203-MW01A-0055			GW203-MW01B-0080			GW203-MW01B-1080			GW203-MW02A-0055			GW203-MW05A-0049			GW203-MW08A-0040			GW203-MW08B-0070		
Sample ID :	MY0XG0			MY0XG1			MY0XG2			MY0XG3			MY0XG9			MY0XH2			MY0XH3		
Collection Date :	05/21/2003			05/21/2003			05/21/2003			05/22/2003			05/22/2003			05/20/2003			05/20/2003		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
PARAMETER	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ALUMINUM	62.9B	U		40.9U	U		61.4B	U		90 0B	U		112B	U		40.9U	U		278	U	
ANTIMONY	2.5U	U		3.3B	U		2.5U	U		2.5U	U		2.5U	U		4.7B	U		2.5U	U	
ARSENIC	2.4B			2.6B			2.4B			2.2U	U		2.3B			2.2U	U		2.2U	U	
BARIUM	71.6B	J		45.3B	J		43.9B	J		58.5B	J		57.2B	J		80.6B	J		34.0B	J	
BERYLLIUM	0.20U	U		0.20U	U		0.44B	U		0.25B	U		0.20U	U		0.20U	U		0.20U	U	
CADMIUM	0.27B	U		0.20U	U		0.26B	U		0.20U	U		0.20U	U		0.20U	U		0.20U	U	
CALCIUM	133000			122000			118000			174000			161000			224000			232000		
CHROMIUM	131			37.3			35.9			8.5B			12.7			125			8.8B		
COBALT	0.70U	U		0.70U	U		0.70U	U		0.70U	U		0.70U	U		0.70U	U		0.70U	U	
COPPER	1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U	
IRON	14.2U	U		14.2U	U		14 2U	U		14.2U	U		81.1B	U		14.2U	U		318		
LEAD	1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U	
MAGNESIUM	42100			39900			38800			51100			44100			56000			59300		
MANGANESE	1.3B	U		30.2			32.4			2.1B	U		2.3B	U		0.43B	U		10.5B		
MERCURY	0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U	
NICKEL	1.2U	U		1.2U	U		1.2U	U		1.2U	U		1.2U	U		1.2U	U		2.0B		
POTASSIUM	3100B	J		4250B	J		4180B	J		3310B	J		3830B	J		6220	J		5830	J	
SELENIUM	4.8B	U		6.9	U		3.5B	U		5.0B	U		7.5	U		36.4			10.2	U	
SILVER	0.90U	U		0.90U	U		0 90U	U		0.90U	U		0.90U	U		0.90U	U		0.90U	U	
SODIUM	87100			75400			73200			88500			96600			161000			117000		
THALLIUM	2.9U	UJ		2 9U	UJ		3.2B	U		2 9U	UJ		2.9U	UJ		2.9U	UJ		2.9U	UJ	
VANADIUM	8.4B			7.1B			6.9B			7.3B			6.9B			4.9B			6.7B		
ZINC	1.5U	U		1.5U	U		1.5U	U		1.5U	U		1.5U	U		1.5U	U		1.5U	U	
CYANIDE	2.1B			2.7B			2.8B			0 47B			0.96B			1.2B			0.96B		

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No MY0XH2
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water Samples For Total Metals and Cyanide

Station Location	GW203-MW08C-0087			GW203-MW08D-0116			GW203-MW09A-0032			GW203-MW09B-0054			GW203-MW10A-0057			Lab Blank					
Sample ID	MY0XH4			MY0XH5			MY0XH6			MY0XH7			MY0XH8			PBW			IDL		
Collection Date	05/20/2003			05/20/2003			05/21/2003			05/21/2003			05/20/2003								
Dilution Factor	1 0			1 0			1 0			1 0			1 0			1 0			1 0		
PARAMETER	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ALUMINUM	40 9U	U		40 9U	U		40 9U	U		64 3B	U		100B	U		40 9U			40 9		
ANTIMONY	2.5B			2.5U	U		2.6B			2.5U	U		7 9B	U		2 5U			2.5		
ARSENIC	2 2U	U		2 2U	U		2 2U	U		2 2U	U		2 9B			2 2U			2 2		
BARIUM	27.1B	J		99.4B	J		38 4B	J		32.3B	J		40.6B	J		0.20U			0.20		
BERYLLIUM	0 20U	U		0 20U	U		0 24B	U		0 20U	U		0 29B	U		0 20U			0 20		
CADMIUM	0.20U	U		0.20U	U		0.20U	U		0 20U	U		0.20U	U		0 25B			0.20		
CALCIUM	214000			167000			276000			230000			242000			-48 00000B			15 7		
CHROMIUM	5.0B			1.3B			0.88B			7.5B			7.1B			0.60U			0.60		
COBALT	0 70U	U		0 70U	U		0 70U	U		0 70U	U		2 0B			0 70U			0 70		
COPPER	1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U			1.6		
IRON	14 2U	U		14 2U	U		14 2U	U		14 2U	U		36 8B	U		35 5B			14 2		
LEAD	1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U			1.4		
MAGNESIUM	53400			44500			63700			53000			64100			11 4B			8 7		
MANGANESE	34.9			377			229			4.2B			6.0B			0 47B			0 20		
MERCURY	0 10U	U		0 10U	U		0 10U	U		0 10U	U		0 10U	U		0 10U			0 10		
NICKEL	1.2U	U		1.2U	U		1.2U	U		1.2U	U		2.6B			1.2U			1.2		
POTASSIUM	5330	J		4260B	J		8240	J		6470	J		7040	J		28 6U			28 6		
SELENIUM	6.9	U		20.8			14 8			8.2	U		15.0			2.3U			2.3		
SILVER	0 90U	U		0 90U	U		0 90U	U		0 95B			0 90U	U		0 90U			0 90		
SODIUM	111000			68700			163000			121000			161000			-540.00000B			304		
THALLIUM	2 9U	UJ		2 9U	UJ		2 9U	UJ		3 5B	U		3 6B	U		3 1B			2 9		
VANADIUM	4.5B			4.2B			4.5B			5 6B			7 5B			0 80U			0.80		
ZINC	1 5U	U		1 5U	U		1 5U	U		1 5U	U		1 5U	U		-5 20000B			1 5		
CYANIDE	1.8B			0.84B			0.88B			1.7B			0.40U	U		-0.69000B			0.40		

Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comments Refer to the Corresponding Section in the Narrative for each letter
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No MY0XH2
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water Samples For Total Metals 1 C ✓

Station Location																					
Sample ID	CRDL																				
Collection Date																					
Dilution Factor																					
PARAMETER	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ALUMINUM	200																				
ANTIMONY	60.0																				
ARSENIC	10 0																				
BARIUM	200																				
BERYLLIUM	5 0																				
CADMIUM	5.0																				
CALCIUM	5000																				
CHROMIUM	10.0																				
COBALT	50 0																				
COPPER	25.0																				
IRON	100																				
LEAD	3 0																				
MAGNESIUM	5000																				
MANGANESE	15.0																				
MERCURY	0 20																				
NICKEL	40.0																				
POTASSIUM	5000																				
SELENIUM	5 0																				
SILVER	10 0																				
SODIUM	5000																				
THALLIUM	10 0																				
VANADIUM	50.0																				
ZINC	20 0																				
CYANIDE	10.0																				

Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comments Refer to the Corresponding Section in the Narrative for each letter
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1 D2 etc - Field Duplicate Pairs
FB - Field Blank EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No MY0XJ0
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water Samples For Total Metals and Cyanide

Station Location	GW203-MW03A-0042			GW203-MW04A-0047			GW203-MW04A-1047			GW203-MW04B-0075			GW203-MW04C-0094			GW203-MW06A-0042			GW203-MW07A-0041		
Sample ID	MY0XG4			MY0XG5			MY0XG6			MY0XG7			MY0XG8			MY0XH0			MY0XH1		
Collection Date	05/16/2003			05/19/2003			05/19/2003			05/19/2003			05/19/2003			05/19/2003			05/19/2003		
Dilution Factor	1 0			1 0			1 0			1 0			1 0			1 0			1 0		
PARAMETER	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ALUMINUM	40 9U	U		40 9U	U		40 9U	U		229			40 9U	U		40 9U	U		40 9U	U	
ANTIMONY	2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U	
ARSENIC	3 9B			2 2U	U		2 2U	U		2 2U	U		2 2U	U		2 2U	U		2 2U	U	
BARIUM	48.3B	J		41.1B	J		40.4B	J		56.9B	J		51.8B	J		47.9B	J		24.8B	J	
BERYLLIUM	0 20U	U		0 31B	U		0 20U	U		0 22B	U		0 20U	U		0 20U	U		0 20U	U	
CADMIUM	0.20U	U		0.20U	U		0.20U	U		0.20U	U		0.20U	U		0.20U	U		0.20U	U	
CALCIUM	141000			169000			166000			181000			168000			218000			330000		
CHROMIUM	1.5B			47.7			45.2			30.2			21.7			117			6.0B		
COBALT	1 1B			0 70U	U		0 70U	U		0 70U	U		0 70U	U		0 70U	U		0 70U	U	
COPPER	1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U	
IRON	14 2U	U		14 2U	U		14 2U	U		198			14 2U	U		14 2U	U		14 2U	U	
LEAD	1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U		1 4U	U	
MAGNESIUM	44600			49100			47900			46900			45700			53700			95200		
MANGANESE	44.3			0 20U	U		0.20U	U		13.6B			1.5B			0.20U	U		0.20U	U	
MERCURY	0 10U	U		0 10U	U		0 10U	U		0 10U	U		0 10U	U		0 10U	U		0 10U	U	
NICKEL	3.5B			1.3B			1.2U	U		1.2U	U		1.2U	U		1.2U	U		1.2U	U	
POTASSIUM	4770B	J		3190B	J		3060B	J		4490B	J		4940B	J		5200	J		7030	J	
SELENIUM	3.9B	U		9.0	U		8.0	U		6.4	U		10.2	U		12.2	U		26.8		
SILVER	1 2B			1 2B			0 90U	U		0 90U	U		0 90U	U		1 6B			1 5B		
SODIUM	74000			104000			103000			92100			94200			139000			202000		
THALLIUM	2 9U	UJ		2 9U	UJ		2 9U	UJ		2 9U	UJ		2 9U	UJ		2 9U	UJ		2 9U	UJ	
VANADIUM	10.1B			6.3B			5.5B			6 5B			6.0B			6.3B			6.1B		
ZINC	1 5U	U		1 5U	U		1 5U	U		23 6			1 5U	U		1 5U	U		1 5U	U	
CYANIDE	0.40U	U		0.49B			0.40U	U		0.40U	U		0.94B			0.40U	U		0.40U	U	

Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comments Refer to the Corresponding Section in the Narrative for each letter
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : MY0XJ0
Site : OMEGA RECOVERY SERV.
Lab . LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water
Samples For Total Metals and Cyanide

Station Location :	GW203-MW11A-0045			GW203-OW1A-0080			GW203-OW1B-0116			GW203-OW2-0078			GW203-OW3-0080			GW203-OW4A-0073			GW203-OW4B-0125		
Sample ID :	MY0XH9			MY0XJ0			MY0XJ1			MY0XJ2			MY0XJ3			MY0XJ4			MY0XJ5		
Collection Date :	05/16/2003			05/13/2003			05/13/2003			05/13/2003			05/14/2003			05/14/2003			05/14/2003		
Dilution Factor :	1.0			1.0			1.0			1.0			1 0			1.0			1.0		
PARAMETER	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
ALUMINUM	40.9U	U		129B	U		344			54.2B	U		41.7B	U		40 9U	U		40.9U	U	
ANTIMONY	2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U	
ARSENIC	2.2U	U		2.2U	U		2.2U	U		2.2U	U		2.5B			2.2U	U		2.6B		
BARIUM	27.2B	J		76.2B	J		29.4B	J		40.8B	J		26.3B	J		39.6B	J		27.0B	J	
BERYLLIUM	0.23B	U		0.20U	U		0 33B	U		0 37B	U		0.20U	U		0.24B	U		0.29B	U	
CADMIUM	0.20U	U		0.32B			0.20U	U		0.20U	U		0.20U	U		0 20U	U		0.20U	U	
CALCIUM	265000			188000			87300			149000			189000			139000			104000		
CHROMIUM	4.1B			3.8B			1.4B			4.6B			7.0B			6.8B			5.8B		
COBALT	0.70U	U		4 0B			0.70U	U		0.70U	U		0 70U	U		0.70U	U		0.70U	U	
COPPER	1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U	
IRON	14.2U	U		963			3590			14 2U	U		14.2U	U		14.2U	U		50.8B		
LEAD	1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U	
MAGNESIUM	72300			47700			50000			53500			59800			43000			61500		
MANGANESE	0.20U	U		658			294			0.20U	U		1.5B			0.39B			1.4B		
MERCURY	0.10U	U		0.10U	U		0 10U	U		0.10U	U		0.10U	U		0 10U	U		0.10U	U	
NICKEL	1.2U	U		26.4B			1.9B			1.2U	U		1.2U	U		1.2U	U		1.2U	U	
POTASSIUM	6990	J		4400B	J		3380B	J		2470B	J		2680B	J		2980B	J		3210B	J	
SELENIUM	25.1			5.1	U		8.7	U		11 2	U		8.5	U		5.5	U		8.8	U	
SILVER	0 90U	U		0.90U	U		0 90U	U		1 3B			0 92B			0.90U	U		0.90U	U	
SODIUM	158000			131000			98800			67800			73600			86000			117000		
THALLIUM	2.9U	UJ		2.9U	UJ		2 9U	UJ		2.9U	UJ		2 9U	UJ		2 9U	UJ		2.9U	UJ	
VANADIUM	4.2B			8.8B			4.2B			8.0B			8.5B			5.5B			9.4B		
ZINC	1.5U	U		1.5U	U		35.6			1 5U	U		1 5U	U		1.5U	U		1.5U	U	
CYANIDE	0.40U	U		7.2B			0.45B			0.40U	U		0 40U	U		0.40U	U		0.40U	U	

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No 31721 SDG No MY0XJ0
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water Samples For Total Metals and Cyanide

Station Location	GW203-OW5-0048			GW203-OW5-1048			GW203-OW6-0048			GW203-OW7-0081			GW203-OW8-0075			Lab Blank					
Sample ID	MY0XJ6			MY0XJ7			MY0XJ8			MY0XJ9			MY0XK0			PBW			IDL		
Collection Date	05/14/2003			05/14/2003			05/15/2003			05/15/2003			05/15/2003								
Dilution Factor	1 0			1 0			1 0			1 0			1 0			1 0			1 0		
PARAMETER	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com	Result	Val	Com
ALUMINUM	43 4B	U		40 9U	U		77 2B	U		2260			53 7B	U		40 9U			40 9		
ANTIMONY	2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U			2.5		
ARSENIC	2 2U	U		2 2U	U		2 2U	U		2 2U	U		5 5B			2 2U			2 2		
BARIUM	83.3B	J		63.7B	J		32.4B	J		43.0B	J		51.1B	J		0.20U			0.20		
BERYLLIUM	0 20U	U		0 20U	U		0 27B	U		0 20U	U		0 34B	U		0 22B			0 20		
CADMIUM	0.20U	U		0.20U	U		0.20U	U		0.20U	U		0.20U	U		0.20U			0.20		
CALCIUM	135000			135000			213000			196000			227000			15 7U			15 7		
CHROMIUM	25.9			25 8			4.6B			12.9			5.5B			0.60U			0.60		
COBALT	0 70U	U		0 87B			0 70U	U		1 1B			0 70U	U		0 70U			0 70		
COPPER	1.6U	U		1.6U	U		1.6U	U		1 6U	U		1.6U	U		1.6U			1.6		
IRON	71 2B			94 8B			14 2U	U		3440			776			14 2U			14 2		
LEAD	1.4U	U		1.4U	U		1 4U	U		1.4U	U		1.4U	U		1.4U			1.4		
MAGNESIUM	39100			39100			63500			64800			77800			16 0B			8 7		
MANGANESE	15.7			19.1			1.3B			50 9			1590			-0.23000B			0.20		
MERCURY	0 10U	U		0 10U	U		7 3			0 10U	U		0 24			0 10U			0 10		
NICKEL	120			121			1.2U	U		6 1B			6.8B			1.2U			1.2		
POTASSIUM	2920B	J		2940B	J		3690B	J		2700B	J		2820B	J		28 6U			28 6		
SELENIUM	6.6	U		6.6	U		5.9	U		7.2	U		5.7	U		2.6B			2.3		
SILVER	0 90U	U		0 90U	U		0 90U	U		0 90U	U		2 0B			0 90U			0 90		
SODIUM	96000			97300			118000			69200			89500			304U			304		
THALLIUM	2 9U	UJ		2 9U	UJ		2 9U	UJ		2 9U	UJ		2 9U	UJ		2 9U			2 9		
VANADIUM	6.4B			6.9B			6.7B			17 1B			6.3B			0.80U			0.80		
ZINC	1 5U	U		1 5U	U		1 5U	U		3 7B			1 5U	U		-5 20000B			1 5		
CYANIDE	0.40U	U		0 40U	U		0.40U	U		0 40U	U		0 40U	U		-1.80000B			0.40		

Val - Validity Refer to Data Qualifiers in Table 1B
Com - Comments Refer to the Corresponding Section in the Narrative for each letter
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : MY0XJ0
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water Samples For Total Metals

Station Location :																					
Sample ID :	CRDL																				
Collection Date :																					
Dilution Factor :																					
PARAMETER	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ALUMINUM	200																				
ANTIMONY	60.0																				
ARSENIC	10.0																				
BARIUM	200																				
BERYLLIUM	5.0																				
CADMIUM	5.0																				
CALCIUM	5000																				
CHROMIUM	10.0																				
COBALT	50.0																				
COPPER	25.0																				
IRON	100																				
LEAD	3.0																				
MAGNESIUM	5000																				
MANGANESE	15.0																				
MERCURY	0.20																				
NICKEL	40.0																				
POTASSIUM	5000																				
SELENIUM	5.0																				
SILVER	10.0																				
SODIUM	5000																				
THALLIUM	10.0																				
VANADIUM	50.0																				
ZINC	20.0																				
CYANIDE	10.0																				

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : MY0XN0
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water Samples For Total Metals

Station Location :	GW203-MW11A-0045			GW203-OW1A-0080			GW203-OW1B-0116			GW203-OW2-0078			GW203-OW3-0080			GW203-OW4A-0073			GW203-OW4B-0125		
Sample ID :	MY0XM9			MY0XN0			MY0XN1			MY0XN2			MY0XN3			MY0XN4			MY0XN5		
Collection Date :	05/16/2003			05/13/2003			05/13/2003			05/13/2003			05/14/2003			05/14/2003			05/14/2003		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0			1.0		
PARAMETER	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ALUMINUM	40.9U	U		40.9U	U		40.9U	U		40.9U	U		40.9U	U		40.9U	U		40.9U	U	
ANTIMONY	2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U	
ARSENIC	2.2U	U		2.2U	U		2.2U	U		2.2U	U		2.2U	U		2.2U	U		2.2U	U	
BARIUM	28.0B	J		71.9B	J		434	J		41.8B	J		26.1B	J		40.8B	J		27.1B	J	
BERYLLIUM	0.20U	U		0.20U	U		0.20U	U		0.24B	U		0.21B	U		0.20U	U		0.20U	U	
CADMIUM	0.20U	U		0.37B	U		0.20U	U		0.20U	U		0.20U	U		0.20U	U		0.20U	U	
CALCIUM	279000			177000			89600			152000			187000			141000			96600		
CHROMIUM	3.1B			2.3B			1.1B			4.4B			7.1B			8.3B			4.3B		
COBALT	0.70U	U		4.3B			0.70U	U		0.70U	U		0.70U	U		0.70U	U		0.71B		
COPPER	1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U	
IRON	14.2U	U		311			269			14.2U	U		14.2U	U		14.2U	U		14.2U	U	
LEAD	1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.4U	U	
MAGNESIUM	75700			45500			50200			54500			59400			43200			58500		
MANGANESE	0.74B			612			250			0.20U	U		1.7B			0.31B			0.20U	U	
MERCURY	0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U		0.10U	U	
NICKEL	1.2U	U		25.9B			1.2U	U		1.2U	U		3.0B			1.3B			1.7B		
POTASSIUM	7270	J		4380B	J		3550B	J		2590B	J		2770B	J		3080B	J		3110B	J	
SELENIUM	27.2	J		2.3U	U		5.6	J		9.6	J		5.1	J		2.7B	J		6.6	J	
SILVER	0.90U	U		0.90U	U		0.90U	U		0.90U	U		0.90U	U		0.90U	U		0.90U	U	
SODIUM	164000			127000			101000			70200			72500			85300			112000		
THALLIUM	2.9U	UJ		2.9U	UJ		2.9U	UJ		2.9U	UJ		2.9U	UJ		2.9U	UJ		2.9U	UJ	
VANADIUM	5.4B			8.4B			2.1B			8.0B			7.3B			6.4B			9.6B		
ZINC	1.5U	U		1.5U	U		89.9			1.5U	U		1.5U	U		1.5U	U		1.5U	U	
CYANIDE	NA			NA			NA			NA			NA			NA			NA		

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Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : MY0XN0
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water Samples For Total Metals

Station Location :	GW203-OW5-0048			GW203-OW5-1048			GW203-OW6-0048			GW203-OW7-0081			GW203-OW8-0075			Lab Blank					
Sample ID :	MY0XN6			MY0XN7			MY0XN8			MY0XN9			MY0XP0			PBW			IDL		
Collection Date :	05/14/2003			05/14/2003			05/15/2003			05/15/2003			05/15/2003								
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0					
PARAMETER	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ALUMINUM	40.9U	U		40.9U	U		40.9U	U		40.9U	U		81.1B	U		40.9U			40.9		
ANTIMONY	2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U	U		2.5U			2.5		
ARSENIC	2.2U	U		2.2U	U		2.2U	U		2.2U	U		4.6B			2.2U			2.2		
BARIUM	64.2B	J		63.0B	J		31.3B	J		24.8B	J		46.4B	J		0.20U			0.20		
BERYLLIUM	0.20U	U		0.20U	U		0.20U	U		0.20U	U		0.34B	U		0.20U			0.20		
CADMIUM	0.20U	U		0.20U	U		0.20U	U		0.20U	U		0.20U	U		0.20U			0.20		
CALCIUM	136000			135000			207000			195000			213000			-62.00000B			15.7		
CHROMIUM	22.5			23.2			4.2B			7.0B			2.1B			0.60U			0.60		
COBALT	0.81B			0.70U	U		0.70U	U		0.70U	U		0.70U	U		0.70U			0.70		
COPPER	1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U	U		1.6U			1.6		
IRON	44.2B			40.4B			14.2U	U		14.2U	U		721			14.2U			14.2		
LEAD	1.4U	U		1.4U	U		1.4U	U		1.4U	U		1.6B			1.4U			1.4		
MAGNESIUM	39400			39000			62000			63900			72400			9.0B			8.7		
MANGANESE	16.8			15.1			0.20U	U		0.84B			1320			0.20U			0.20		
MERCURY	0.10U	U		0.10U	U		0.13B			0.10U	U		0.10U	U		0.10U			0.10		
NICKEL	127			120			1.4B			1.9B			2.8B			1.2U			1.2		
POTASSIUM	3080B	J		3060B	J		3740B	J		2170B	J		2600B	J		28.6U			28.6		
SELENIUM	4.5B	J		4.7B	J		3.5B	J		4.8B	J		9.2	J		2.3U			2.3		
SILVER	0.90U	U		0.90U	U		0.90U	U		0.90U	U		0.90U	U		0.90U			0.90		
SODIUM	98600			96800			116000			69800			84800			304U			304		
THALLIUM	2.9U	UJ		2.9U	UJ		2.9U	UJ		2.9U	UJ		2.9U	UJ		2.9U			2.9		
VANADIUM	7.2B			6.8B			7.6B			8.7B			6.3B			0.80U			0.80		
ZINC	1.5U	U		1.5U	U		1.5U	U		1.5U	U		1.5U	U		-3.70000B			1.5		
CYANIDE	NA			NA			NA			NA			NA			NA			NA		

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

ANALYTICAL RESULTS
Table 1A

Case No. : 31721 SDG No. : MY0XN0
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date .

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Concentration Water Samples For Total Metals

Station Location :																					
Sample ID :	CRDL																				
Collection Date .																					
Dilution Factor :																					
PARAMETER	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
ALUMINUM	200																				
ANTIMONY	60.0																				
ARSENIC	10.0																				
BARIUM	200																				
BERYLLIUM	5.0																				
CADMIUM	5.0																				
CALCIUM	5000																				
CHROMIUM	10.0																				
COBALT	50.0																				
COPPER	25.0																				
IRON	100																				
LEAD	3.0																				
MAGNESIUM	5000																				
MANGANESE	15.0																				
MERCURY	0.20																				
NICKEL	40.0																				
POTASSIUM	5000																				
SELENIUM	5.0																				
SILVER	10.0																				
SODIUM	5000																				
THALLIUM	10.0																				
VANADIUM	50.0																				
ZINC	20.0																				
CYANIDE	10.0																				

Val - Validity. Refer to Data Qualifiers in Table 1B.
Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.
IDL - Instrument Detection Limit, N/A - Not Applicable, NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs
FB - Field Blank, EB - Equipment Blank, TB - Trip Blank, BG - Background Sample
CRQL - Contract Required Detection Limit

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R03S54**

SDG: 03135A

From: **Brenda Bettencourt, Director**

EPA Region 9 Laboratory
PMD-2

To: **Diane Strassmaier**
Site Cleanup Section 4
SFD-7-4

Attached are the results from the analysis of samples from the **Omega Chemical May 2003 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Vance Fong at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

1,4-Dioxane

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GW203-OW1A-0080	0305057-01	Water	05/13/03 13:40	05/14/03 10:45
GW203-OW1B-0116	0305057-02	Water	05/13/03 14:30	05/14/03 10:45
GW203-OW4A-0073	0305064-02	Water	05/14/03 13:50	05/15/03 14:56
GW203-OW5-0048	0305064-04	Water	05/14/03 11:05	05/15/03 14:56
GW203-OW5-1048	0305064-05	Water	05/14/03 11:10	05/15/03 14:56
GW203-OW6-0048	0305069-01	Water	05/15/03 10:10	05/16/03 12:40
GW203-OW8-0075	0305069-03	Water	05/15/03 11:50	05/16/03 12:40
GW203-MW04A-0047	0305086-01	Water	05/19/03 08:20	05/20/03 15:14
GW203-MW04A-1047	0305086-02	Water	05/19/03 08:30	05/20/03 15.14
GW203-MW04B-0075	0305086-03	Water	05/19/03 09:20	05/20/03 15:14
GW203-MW06A-0042	0305086-05	Water	05/19/03 12:00	05/20/03 15:14

Positive interference from the high native concentration of 1,4-dioxane in sample 0305057 rendered the surrogate results from the initial undiluted run for this sample meaningless. The surrogate spike was subsequently diluted out in 2000X dilution necessary to bring 1,4-dioxane concentration into calibration range. No surrogate spike results are reported for this sample.

Semivolatile Organic Compounds by EPA Method 8270C
EPA Region 9 Laboratory

Analyte	Result	Qualifiers	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0305057-01 : GW203-OW1A-0080 Water Sampled: 05/13/03 13:40 Received: 05/14/03 10:45								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	71000	A-01	2000	ug/L	B305091	05/19/03	05/23/03	8270C/SOP315
0305057-02 : GW203-OW1B-0116 Water Sampled: 05/13/03 14:30 Received: 05/14/03 10:45								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	35		1.0	ug/L	B305091	05/19/03	05/21/03	8270C/SOP315
Surrogate 1,4-Dioxane-d8	*3 80*		*79 %*		*50-130*	"	"	"
0305064-02 : GW203-OW4A-0073 Water Sampled: 05/14/03 13:50 Received: 05/15/03 14:56								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	4.6	J, Q5	1.0	ug/L	B305091	05/19/03	05/21/03	8270C/SOP315
Surrogate 1,4-Dioxane-d8	*2 94*		*62 %*		*50-130*	"	"	"
0305064-04 : GW203-OW5-0048 Water Sampled: 05/14/03 11:05 Received: 05/15/03 14:56								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	6.5		1.0	ug/L	B305091	05/19/03	05/21/03	8270C/SOP315
Surrogate 1,4-Dioxane-d8	*3 78*		*79 %*		*50-130*	"	"	"
0305064-05 : GW203-OW5-1048 Water Sampled: 05/14/03 11:10 Received: 05/15/03 14:56								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	5.6		1.0	ug/L	B305091	05/19/03	05/21/03	8270C/SOP315
Surrogate· 1,4-Dioxane-d8	*4.16*		*86 %*		*50-130*	"	"	"
0305069-01 : GW203-OW6-0048 Water Sampled: 05/15/03 10:10 Received: 05/16/03 12:40								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	0.9	C1, J	1 0	ug/L	B305091	05/19/03	05/21/03	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	*3 68*		*77 %*		*50-130*	"	"	"
0305069-03 : GW203-OW8-0075 Water Sampled: 05/15/03 11:50 Received: 05/16/03 12:40								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	1100		20	ug/L	B305091	05/19/03	05/23/03	8270C/SOP315

urrogate 1,4-Dioxane-d8	*3 14*		*66 %*	*50-130*	*"*	*"*	*05/21/03*	

0305086-01 : GW203-MW04A-0047 Water Sampled: 05/19/03 08:20 Received: 05/20/03 15:14

Semivolatile Organic Compounds by EPA Method 8270C

,4-Dioxane	20		1 0	ug/L	B305117	05/22/03	05/24/03	8270C/SOP315
Surrogate 1,4-Dioxane-d8	*4 06*		*80 %*	*50-130*	*"*	*"*	*"*	

305086-02 : GW203-MW04A-1047 Water Sampled: 05/19/03 08:30 Received: 05/20/03 15:14

emivolatile Organic Compounds by EPA Method 8270C

1,4-Dioxane	21		1 0	ug/L	B305117	05/22/03	05/24/03	8270C/SOP315
urrogate 1 4-Dioxane-d8	*3 61*		*74 %*	*50-130*	*"*	*"*	*"*	

0305086-03 : GW203-MW04B-0075 Water Sampled: 05/19/03 09:20 Received: 05/20/03 15:14

emivolatile Organic Compounds by EPA Method 8270C

,4-Dioxane	37		1 0	ug/L	B305117	05/22/03	05/24/03	8270C/SOP315
Surrogate 1,4-Dioxane-d8	*3 74*		*78 %*	*50-130*	*"*	*"*	*"*	

305086-05 : GW203-MW06A-0042 Water Sampled: 05/19/03 12:00 Received: 05/20/03 15:14

emivolatile Organic Compounds by EPA Method 8270C

1,4-Dioxane	0 9	C1, J	1 0	ug/L	B305117	05/22/03	05/28/03	8270C/SOP315
urrogate 1 4-Dioxane-d8	*3 85*		*80 %*	*50-130*	*"*	*"*	*"*	

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
EPA Region 9 Laboratory

atch B305091 - 3520B CLLE

Blank (B305091-BLK1) Prepared 05/19/03 Analyzed 05/21/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	ND	U	1 0	ug/L						
Surrogate 1,4-Dioxane-d8	*4 19*			*"*	*5 01*		*84*	*50-130*		

CS (B305091-BS1) Prepared 05/19/03 Analyzed 05/21/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
,4-Dioxane	4 9		1 0	ug/L	5 00		98	50-130		
urrogate 1 4-Dioxane-d8	*3 88*			*"*	*5 00*		*78*	*50-130*		

Matrix Spike (B305091-MS1) Source 0305064-02 Prepared 05/19/03 Analyzed 05/21/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	13		1 9	ug/L	9 75	4 6	86	50-130		
Surrogate 1,4-Dioxane-d8	*6 39*			*"*	*9 75*		*66*	*50-130*		

Matrix Spike Dup (B305091-MSD1) Source 0305064-02 Prepared 05/19/03 Analyzed 05/21/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	19	Q5	1 9	ug/L	9 75	4 6	148	50-130	38	30
urrogate 1,4-Dioxane-d8	*5 81*			*"*	*9.75*		*60*	*50-130*		

Batch B305117 - 3520B CLLE

lank (B305117-BLK1) Prepared 05/22/03 Analyzed 05/23/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
,4-Dioxane	ND	U	1 0	ug/L						
urrogate 1,4-Dioxane-d8	*3 72*			*"*	*4 97*		*75*	*50-130*		

CS (B305117-BS1) Prepared 05/22/03 Analyzed 05/23/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit

1,4-Dioxane	9 6		1 0	ug/L	10 0		96	50-130
Surrogate 1,4-Dioxane-d8	*4 00*			"	*5 01*		*80*	*50-130*

Matrix Spike (B305117-MS1) Source 0305084-02 Prepared 05/22/03 Analyzed 05/23/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	12		1 2	ug/L	11 7	0 8	96	50-130		
Surrogate 1,4-Dioxane-d8	*3 65*			"	*5 87*		*62*	*50-130*		

Matrix Spike Dup (B305117-MSD1) Source 0305084-02 Prepared. 05/22/03 Analyzed 05/23/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	14		1.4	ug/L	14 1	0 8	94	50-130	15	30
Surrogate 1,4-Dioxane-d8	*4 98*			"	*7 06*		*71*	*50-130*		

Qualifiers and Comments

A-01	The large concentration of 1,4-dioxane in this sample interfered with the quantitation of the surrogate spike and rendered surrogate spike recovery meaningless. No surrogate spike recovery is reported for this sample.
C1	The reported concentration for this analyte is below the quantitation limit.
J	The reported result for this analyte should be considered an estimated value.
Q5	Sample duplicate precision criteria were not met for this analyte (see duplicate results for this batch in QC summary).
U	Not Detected
NR	Not Reported

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R03S54**

SDG: 03142A

From: **Brenda Bettencourt, Director**

EPA Region 9 Laboratory
PMD-2

To: **Loren Henning**
Site Cleanup Section 4
SFD-7-4

Attached are the results from the analysis of samples from the **Omega Chemical May 2003 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Vance Fong at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

1,4-Dioxane

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GW203-MW08A-0040	0305087-01	Water	05/20/03 10:35	05/21/03 12:00
GW203-MW10A-0057	0305087-05	Water	05/20/03 12:30	05/21/03 12:00
GW203-MW02A-0055	0305095-01	Water	05/22/03 10:45	05/23/03 09:41
GW203-MW05A-0049	0305095-02	Water	05/22/03 09:30	05/23/03 09:41

Semivolatile Organic Compounds by EPA Method 8270C
EPA Region 9 Laboratory

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
305087-01 : GW203-MW08A-0040 Water Sampled: 05/20/03 10:35 Received: 05/21/03 12:00								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	1.6		1.0	ug/L	B305126	05/23/03	05/28/03	8270C/SOP315
rrogate: 1,4-Dioxane-d8	*3.85*		*79 %*		*50-130*	"	"	"
0305087-05 : GW203-MW10A-0057 Water Sampled: 05/20/03 12:30 Received: 05/21/03 12:00								
Semivolatile Organic Compounds by EPA Method 8270C								
4-Dioxane	5.2		1.0	ug/L	B305126	05/23/03	05/28/03	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	*3.48*		*71 %*		*50-130*	"	"	"
305095-01 : GW203-MW02A-0055 Water Sampled: 05/22/03 10:45 Received: 05/23/03 09:41								
mivolatile Organic Compounds by EPA Method 8270C								
4-Dioxane	190		20	ug/L	B305140	05/27/03	06/10/03	8270C/SOP315
rrogate: 1,4-Dioxane-d8	*3.28*		*66 %*		*50-130*	"	"	*05/29/03*
305095-02 : GW203-MW05A-0049 Water Sampled: 05/22/03 09:30 Received: 05/23/03 09:41								
Semivolatile Organic Compounds by EPA Method 8270C								
1,4-Dioxane	75		20	ug/L	B305140	05/27/03	06/10/03	8270C/SOP315
rrogate: 1,4-Dioxane-d8	*3.53*		*73 %*		*50-130*	"	"	*05/29/03*

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control
EPA Region 9 Laboratory

atch B305126 - 3520B CLLE

Blank (B305126-BLK1) Prepared: 05/23/03 Analyzed: 05/28/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD Limit
1,4-Dioxane	ND	U	1.0	ug/L					
urrogate: 1,4-Dioxane-d8	*4.30*			"	*5.01*		*86*	*50-130*	

CS (B305126-BS1) Prepared: 05/23/03 Analyzed: 05/28/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD Limit
4-Dioxane	9.5		1.0	ug/L	10.0		95	50-130	
Surrogate: 1,4-Dioxane-d8	*4.30*			"	*5.01*		*86*	*50-130*	

Matrix Spike (B305126-MS1) Source: 0305087-05 Prepared: 05/23/03 Analyzed: 05/28/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD Limit
1,4-Dioxane	15		1.0	ug/L	9.78	5.2	100	50-130	
urrogate: 1,4-Dioxane-d8	*3.32*			"	*4.89*		*68*	*50-130*	

atrix Spike Dup (B305126-MSD1) Source: 0305087-05 Prepared: 05/23/03 Analyzed: 05/28/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD Limit

Analyte	Result	Limit	Units	Level	Result		Limits %REC		Limit RPD	
1,4-Dioxane	15	1.0	ug/L	9.73	5.2		101	50-130	0	30
Surrogate: 1,4-Dioxane-d8	*3.32*		"	*4.86*			*68*	*50-130*		

Batch B305140 - 3520B CLLE

Blank (B305140-BLK1) Prepared: 05/27/03 Analyzed: 05/29/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
1,4-Dioxane	ND	U	1.0	ug/L						
Surrogate: 1,4-Dioxane-d8	*3.66*			*"*	*5.02*		*73*	*50-130*		

LCS (B305140-BS1)

Prepared: 05/27/03 Analyzed: 05/29/03

Analyte	Result	Qualifiers / Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD Limit
1,4-Dioxane	9.5	1.0	ug/L	10.0		95	50-130	
Surrogate: 1,4-Dioxane-d8	*3.77*		"	*5.01*		*75*	*50-130*	

Qualifiers and Comments

U	Not Detected
NR	Not Reported

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R03S54**

SDG: 03135A

From: **Brenda Bettencourt, Director**

EPA Region 9 Laboratory

PMD-2

To: **Diane Strassmaier**
Site Cleanup Section 4
SFD-7-4

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If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Perchlorate

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GW203-OW1A-0080	0305057-01	Water	05/13/03 13:40	05/14/03 10:45
GW203-OW1B-0116	0305057-02	Water	05/13/03 14:30	05/14/03 10:45
GW203-OW2-0078	0305057-03	Water	05/13/03 08:40	05/14/03 10:45
GW203-OW3-0080	0305064-01	Water	05/14/03 09:00	05/15/03 14:56
GW203-OW4A-0073	0305064-02	Water	05/14/03 13:50	05/15/03 14:56
GW203-OW4B-0125	0305064-03	Water	05/14/03 15:00	05/15/03 14:56
GW203-OW5-0048-	0305064-04	Water	05/14/03 11:05	05/15/03 14:56
GW203-OW5-1048	0305064-05	Water	05/14/03 11:10	05/15/03 14:56
GW203-OW6-0048	0305069-01	Water	05/15/03 10:10	05/16/03 12:40
GW203-OW7-0081	0305069-02	Water	05/15/03 09:00	05/16/03 12:40
GW203-OW8-0075	0305069-03	Water	05/15/03 11:50	05/16/03 12:40
GW203-MW03A-0042	0305075-01	Water	05/16/03 14:00	05/17/03 10:26
GW203-MW11A-0045	0305075-02	Water	05/16/03 12:45	05/17/03 10:26
GW203-MW04A-0047	0305086-01	Water	05/19/03 08:20	05/20/03 15:14
GW203-MW04A-1047	0305086-02	Water	05/19/03 08:30	05/20/03 15:14
GW203-MW04B-0075	0305086-03	Water	05/19/03 09:20	05/20/03 15:14
GW203-MW04C-0094	0305086-04	Water	05/19/03 10:00	05/20/03 15:14
GW203-MW06A-0042	0305086-05	Water	05/19/03 12:00	05/20/03 15:14
GW203-MW07A-0041	0305086-06	Water	05/19/03 11:30	05/20/03 15:14

Conventional Chemistry Parameters by APHA/EPA Methods
EPA Region 9 Laboratory

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0305057-01 : GW203-OW1A-0080 Water Sampled: 05/13/03 13:40 Received: 05/14/03 10:45								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	28		20	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305057-02 : GW203-OW1B-0116 Water Sampled: 05/13/03 14:30 Received: 05/14/03 10:45								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	12	C1, J	20	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305057-03 : GW203-OW2-0078 Water Sampled: 05/13/03 08:40 Received: 05/14/03 10:45								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	35		2.0	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305064-01 : GW203-OW3-0080 Water Sampled: 05/14/03 09:00 Received: 05/15/03 14:56								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	34		20	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305064-02 : GW203-OW4A-0073 Water Sampled: 05/14/03 13:50 Received: 05/15/03 14:56								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	15	C1, J	20	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305064-03 : GW203-OW4B-0125 Water Sampled: 05/14/03 15:00 Received: 05/15/03 14:56								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	30		20	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305064-04 : GW203-OW5-0048 Water Sampled: 05/14/03 11:05 Received: 05/15/03 14:56								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	44		20	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305064-05 : GW203-OW5-1048 Water Sampled: 05/14/03 11:10 Received: 05/15/03 14:56								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	43		20	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305069-01 : GW203-OW6-0048 Water Sampled: 05/15/03 10:10 Received: 05/16/03 12:40								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	11	C1, J	20	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305069-02 : GW203-OW7-0081 Water Sampled: 05/15/03 09:00 Received: 05/16/03 12:40								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	34		20	ug/L	B305089	05/19/03	05/19/03	314.0/SOP531
0305069-03 : GW203-OW8-0075 Water Sampled: 05/15/03 11:50 Received: 05/16/03 12:40								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	20		20	ug/L	B305089	05/19/03	05/19/03	314.0/SOP531
0305075-01 : GW203-MW03A-0042 Water Sampled: 05/16/03 14:00 Received: 05/17/03 10:26								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	21		20	ug/L	B305089	05/19/03	05/19/03	314.0/SOP531
0305075-02 : GW203-MW11A-0045 Water Sampled: 05/16/03 12:45 Received: 05/17/03 10:26								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	54		20	ug/L	B305089	05/19/03	05/19/03	314 0/SOP531
0305086-01 : GW203-MW04A-0047 Water Sampled: 05/19/03 08:20 Received: 05/20/03 15:14								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	44		20	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305086-02 : GW203-MW04A-1047 Water Sampled: 05/19/03 08:30 Received: 05/20/03 15:14								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	41		20	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305086-03 : GW203-MW04B-0075 Water Sampled: 05/19/03 09:20 Received: 05/20/03 15:14								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	53		20	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305086-04 : GW203-MW04C-0094 Water Sampled: 05/19/03 10:00 Received: 05/20/03 15:14								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	37		20	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305086-05 : GW203-MW06A-0042 Water Sampled: 05/19/03 12:00 Received: 05/20/03 15:14								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	48		20	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305086-06 : GW203-MW07A-0041 Water Sampled: 05/19/03 11:30 Received: 05/20/03 15:14								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	70		20	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
EPA Region 9 Laboratory

Batch B305089 - - No prep Inorganic

Blank (B305089-BLK1) Prepared & Analyzed. 05/19/03

Analyte	Result	Qualifiers/ Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Perchlorate	ND	U	2.0	ug/L						

Blank (B305089-BLK2) Prepared & Analyzed: 05/19/03

Analyte	Result	Qualifiers / Quantitation Limit	Level	Spike Result	Units	Source %REC	Limits	%REC Limit	RPD
Perchlorate	ND	U		2.0	ug/L				

LCS (B305089-BS1) Prepared & Analyzed: 05/19/03

Analyte	Result	Qualifiers / Quantitation Limit	Level	Spike Result	Units	Source %REC	Limits	%REC Limit	RPD
Perchlorate	10		2.0	ug/L	10.0	100	85-115		

LCS (B305089-BS2) Prepared & Analyzed: 05/19/03

Analyte	Result	Qualifiers / Quantitation Limit	Level	Spike Result	Units	Source %REC	Limits	%REC Limit	RPD
Perchlorate	11		2.0	ug/L	10.0	110	85-115		

Matrix Spike (B305089-MS1) Source: 0305064-03 Prepared & Analyzed: 05/19/03

Analyte	Result	Qualifiers / Quantitation Limit	Level	Spike Result	Units	Source %REC	Limits	%REC Limit	RPD
Perchlorate	14		2.0	ug/L	10.0	3.0	110	80-120	

Matrix Spike Dup (B305089-MSD1) Source: 0305064-03 Prepared & Analyzed: 05/19/03

Analyte	Result	Qualifiers / Quantitation Limit	Level	Spike Result	Units	Source %REC	Limits	%REC Limit	RPD
Perchlorate	13		2.0	ug/L	10.0	3.0	100	80-120	7	15

Batch B305138 - - No prep Inorganic

Blank (B305138-BLK1) Prepared & Analyzed: 05/27/03

Analyte	Result	Qualifiers / Quantitation Limit	Level	Spike Result	Units	Source %REC	Limits	%REC Limit	RPD
Perchlorate	ND	U		2.0	ug/L				

LCS (B305138-BS1) Prepared & Analyzed: 05/27/03

Analyte	Result	Qualifiers / Quantitation Limit	Level	Spike Result	Units	Source %REC	Limits	%REC Limit	RPD
Perchlorate	11		2.0	ug/L	10.0	110	85-115		

Matrix Spike (B305138-MS1) Source: 0305087-05 Prepared & Analyzed: 05/27/03

Analyte	Result	Qualifiers / Quantitation Limit	Level	Spike Result	Units	Source %REC	Limits	%REC Limit	RPD
Perchlorate	14		2.0	ug/L	10.0	4.1	99	80-120	

Matrix Spike (B305138-MS2) Source: 0305096-09 Prepared: 05/27/03 Analyzed: 05/28/03

Analyte	Result	Qualifiers / Quantitation Limit	Level	Spike Result	Units	Source %REC	Limits	%REC Limit	RPD

Perchlorate	11	2.0	ug/L	10.0	ND	110	80-120		

Matrix Spike Dup (B305138-MSD1) Source: 0305087-05 Prepared & Analyzed: 05/27/03

Analyte	Qualifiers / Quantitation Limit	Level Result	Spike Result Units	Source Limits %REC	%REC Limit RPD	RPD				
Perchlorate		14	2.0	ug/L	10.0	4.1	99	80-120	0	15

Matrix Spike Dup (B305138-MSD2) Source: 0305096-09 Prepared: 05/27/03 Analyzed: 05/28/03

Analyte	Qualifiers / Quantitation Limit	Level Result	Spike Result Units	Source Limits %REC	%REC Limit RPD	RPD				
Perchlorate		11	2.0	ug/L	10.0	ND	110	80-120	0	15

Qualifiers and Comments

C1 The reported concentration for this analyte is below the quantitation limit.
J The reported result for this analyte should be considered an estimated value.
U Not Detected

NR Not Reported

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R03S54**

SDG: 03142A

From: **Brenda Bettencourt, Director**

EPA Region 9 Laboratory
PMD-2

To: **Diane Strassmaier**
Site Cleanup Section 4
SFD-7-4

Attached are the results from the analysis of samples from the **Omega Chemical May 2003 Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Vance Fong at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Perchlorate

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
GW203-MW08A-0040	0305087-01	Water	05/20/03 10:35	05/21/03 12:00
GW203-MW08B-0070	0305087-02	Water	05/20/03 08:45	05/21/03 12:00
GW203-MW08C-0087	0305087-03	Water	05/20/03 09:25	05/21/03 12:00
GW203-MW08D-0116	0305087-04	Water	05/20/03 11:25	05/21/03 12:00
GW203-MW10A-0057	0305087-05	Water	05/20/03 12:30	05/21/03 12:00
GW203-MW01A-0055	0305093-01	Water	05/21/03 09:50	05/22/03 14:45
GW203-MW01B-0080	0305093-02	Water	05/21/03 08:40	05/22/03 14:45
GW203-MW01B-1080	0305093-03	Water	05/21/03 08:45	05/22/03 14:45
GW203-MW09A-0032	0305093-04	Water	05/21/03 10:45	05/22/03 14:45
GW203-MW09B-0054	0305093-05	Water	05/21/03 11:45	05/22/03 14:45
GW203-MW02A-0055	0305095-01	Water	05/22/03 10:45	05/23/03 09:41
GW203-MW05A-0049	0305095-02	Water	05/22/03 09:30	05/23/03 09:41

Conventional Chemistry Parameters by APHA/EPA Methods
EPA Region 9 Laboratory

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
0305087-01 : GW203-MW08A-0040 Water Sampled: 05/20/03 10:35 Received: 05/21/03 12:00								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	5.2		2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305087-02 : GW203-MW08B-0070 Water Sampled: 05/20/03 08:45 Received: 05/21/03 12:00								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	4.4		2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305087-03 : GW203-MW08C-0087 Water Sampled: 05/20/03 09:25 Received: 05/21/03 12:00								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	3.2		2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305087-04 : GW203-MW08D-0116 Water Sampled: 05/20/03 11:25 Received: 05/21/03 12:00								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	1.6	C1, J	2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305087-05 : GW203-MW10A-0057 Water Sampled: 05/20/03 12:30 Received: 05/21/03 12:00								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	4.1		2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305093-01 : GW203-MW01A-0055 Water Sampled: 05/21/03 09:50 Received: 05/22/03 14:45								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	4.2		2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305093-02 : GW203-MW01B-0080 Water Sampled: 05/21/03 08:40 Received: 05/22/03 14:45								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	2.8		2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305093-03 : GW203-MW01B-1080 Water Sampled: 05/21/03 08:45 Received: 05/22/03 14:45								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	2.6		2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305093-04 : GW203-MW09A-0032 Water Sampled: 05/21/03 10:45 Received: 05/22/03 14:45								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	2.2		2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305093-05 : GW203-MW09B-0054 Water Sampled: 05/21/03 11:45 Received: 05/22/03 14:45								
Conventional Chemistry Parameters by APHA/EPA Methods								
Perchlorate	4.3		2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531
0305095-01 : GW203-MW02A-0055 Water Sampled: 05/22/03 10:45 Received: 05/23/03 09:41								
Conventional Chemistry Parameters by APHA/EPA Methods								

erchlorate	5.5	2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531

0305095-02 : GW203-MW05A-0049 Water Sampled: 05/22/03 09:30 Received: 05/23/03 09:41

Conventional Chemistry Parameters by APHA/EPA Methods

erchlorate	5.5	2.0	ug/L	B305138	05/27/03	05/27/03	314.0/SOP531

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
EPA Region 9 Laboratory

atch B305138 - - No prep Inorganic

lank (B305138-BLK1) Prepared & Analyzed: 05/27/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit
erchlorate	ND	U	2.0	ug/L				

LCS (B305138-BS1) Prepared & Analyzed: 05/27/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit
Perchlorate	11		2.0	ug/L	10.0		110 85-115	

atrix Spike (B305138-MS1) Source: 0305087-05 Prepared & Analyzed: 05/27/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit
erchlorate	14		2.0	ug/L	10.0	4.1	99 80-120	

atrix Spike Dup (B305138-MSD1) Source: 0305087-05 Prepared & Analyzed: 05/27/03

Analyte	Result	Qualifiers /	Quantitation Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit
erchlorate	14		2.0	ug/L	10.0	4.1	99 80-120	0 15

Qualifiers and Comments

C1	The reported concentration for this analyte is below the quantitation limit.
J	The reported result for this analyte should be considered an estimated value.
U	Not Detected
NR	Not Reported

APPENDIX D
CHAINS OF CUSTODY

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S5
R

Region:	9	Date Shipped:	5/13/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835865968990	1 5/13/03 1600	Fed. Express 5/13/03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MY0XJ0	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2)	GW203-OW1A-0080	S: 5/13/2003	13:40	Y0XJ0	--
MY0XJ1	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2)	GW203-OW1B-0116	S: 5/13/2003	14:30	Y0XJ1	--
MY0XJ2	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2)	GW203-OW2-0078	S: 5/13/2003	8:40	Y0XJ2	--
MY0XN0	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW1A-0080	S: 5/13/2003	13:40	Y0XJ0	--
MY0XN1	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW1B-0116	S: 5/13/2003	14:30	Y0XJ1	--
MY0XN2	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW2-0078	S: 5/13/2003	8:40	Y0XJ2	--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals

TR Number: 9-200434794-051203-0001

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 31721 R
Client No: R03S5

Region:	9	**Date Shipped:**	5/13/2003	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	837031306873	1 5/13/03 1600	Fed. Express 5/13/03 1600
CERCLIS ID:	CAD042245001	**Shipped to:**	USEPA Region 9 Laboratory 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
GW203-OW1 A-0080	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-OW1A-0080	S: 5/13/2003 13:40	--
GW203-OW1 B-0116	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-OW1B-0116	S: 5/13/2003 14:30	--
GW203-OW2-0078	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-OW2-0078	S: 5/13/2003 8:40	--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____
1,4-Diox = 1,4-Dioxane, Perch = Perchlorate			

TR Number: 9-200434794-051203-0002

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S5
R

Region:	9	Date Shipped:	5/14/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	837787487183	1 5-14-03 1600	Fed Express 5-14-03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y0XJ0	Ground Water/ Gerardo Zuniga	(1) H/G	VOA (21)	(HCL) (3)	GW203-OW1A-0080	S: 5/13/2003 13:40	MY0XJ0, MY0XN0	--
Y0XJ2	Ground Water/ Gerardo Zuniga	(2) H/G	VOA (21)	(HCL) (6)	GW203-OW2-0078	S: 5/13/2003 8:40	MY0XJ2, MY0XN2	--
Y0XJ3	Ground Water/ Gerardo Zuniga	(3) H/G	VOA (21)	(HCL) (3)	GW203-OW3-0080	S: 5/14/2003 9:00	MY0XJ3, MY0XN3	--
Y0XJ6	Ground Water/ Gerardo Zuniga	(5) H/G	VOA (21)	(HCL) (3)	GW203-OW5-0048	S: 5/14/2003 11:05	MY0XJ6, MY0XN6	--
Y0XJ7	Ground Water/ Gerardo Zuniga	(4) H/G	VOA (21)	(HCL) (3)	GW203-OW5-1048	S: 5/14/2003 11:10	MY0XJ7, MY0XN7	Field Duplicate
Y0XK1	Ground Water/ Amanda Cohan	L/G	VOA (21)	(HCL) (3)	GW203-OW1A-2001	S: 5/13/2003 11:00		Trip Blank

(1) > 10,000 ppb PCE
(2) > 1000 ppb Freon 113
(3) > 1,000 ppb PCE
(4) > 200 ppb TCE

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: Y0XJ2	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 9-200434794-051303-0004

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S54

R

Region:	9	**Date Shipped:**	5/14/2003	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	835859427453	1 5-14-03 1600	Fed. Express 5-14-03 1600
CERCLIS ID:	CAD042245001	**Shipped to:**	Clayton Environmental Consultants, Inc 22345 Roethel Drive Novi MI 48375 (248) 344-1770	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y0XJ1	Ground Water/ Gerardo Zuniga		VOA (21)	(HCL) (3)	GW203-OW1B-0116	S: 5/13/2003 14:30	MY0XJ1, MY0XN1	--
Y0XJ4	Ground Water/ Gerardo Zuniga		VOA (21)	(HCL) (3)	GW203-OW4A-0073	S: 5/14/2003 13:50	MY0XJ4, MY0XN4	--
Y0XJ5	Ground Water/ Gerardo Zuniga		VOA (21)	(HCL) (6)	GW203-OW4B-0125	S: 5/14/2003 15:00	MY0XJ5, MY0XN5	--
Y0XK2	Ground Water/ Amanda Cohan		VOA (21)	(HCL) (3)	GW203-OW4A-2002	S: 5/14/2003 12:00		Trip Blank

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** Y0XJ5	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: VOA = CLP TCL Volatiles	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 9-200434794-051303-0003

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 31721
Client No: R03S5

R

Region: 9	**Date Shipped:** 5/14/2003	**Chain of Custody Record**		**Sampler Signature:**	
Project Code:	**Carrier Name:** FedEx	**Relinquished By**	**(Date / Time)**	**Received By**	**(Date / Time)**
Account Code:	**Airbill:** 837031306884	1	5-14-03 1600	Fed. Express	5-14-03 1600
CERCLIS ID: CAD042245001	**Shipped to:** USEPA Region 9 Laboratory 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300	2			
Spill ID:		3			
Site Name/State: Omega Chemical, 2Q03/CA		4			
Project Leader: Bill Clarke					
Action: Combined RI/FS					
Sampling Co: Weston Solutions, Inc.					

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
GW203-OW3-0080	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-OW3-0080	S: 5/14/2003 9:00	--
GW203-OW4A-0073	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-OW4A-0073	S: 5/14/2003 13:50	--
GW203-OW4B-0125	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (2)	GW203-OW4B-0125	S: 5/14/2003 15:00	--
GW203-OW5-0048	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-OW5-0048	S: 5/14/2003 11:05	--
GW203-OW5-1048	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-OW5-1048	S: 5/14/2003 11:10	Field Duplicate

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** GW203-OW4B-0125	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: 1,4-Diox = 1,4-Dioxane, Perch = Perchlorate	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	31721	R
DAS No:	R03S5	

Region:	9	Date Shipped:	5/14/2003	Chain of Custody Record	Sampler Signature: [signature]
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835859427464	1 [signature] 5-14-03 1600	Fed. Express 5-14-03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MY0XJ3	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) : NaOH	GW203-OW3-0080	S: 5/14/2003	9:00	Y0XJ3	--
MY0XJ4	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) : HNO3	GW203-OW4A-0073	S: 5/14/2003	13:50	Y0XJ4	--
MY0XJ5	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (4) : HNO3	GW203-OW4B-0125	S: 5/14/2003	15:00	Y0XJ5	--
MY0XJ6	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) : NaOH	GW203-OW5-0048	S: 5/14/2003	11:05	Y0XJ6	--
MY0XJ7	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) : NaOH	GW203-OW5-1048	S: 5/14/2003	11:10	Y0XJ7	Field Duplicate
MY0XN3	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW3-0080	S: 5/14/2003	9:00	Y0XJ3	--
MY0XN4	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW4A-0073	S: 5/14/2003	13:50	Y0XJ4	--
MY0XN5	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (2)	GW203-OW4B-0125	S: 5/14/2003	15:00	Y0XJ5	--
MY0XN6	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW5-0048	S: 5/14/2003	11:05	Y0XJ6	--
MY0XN7	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW5-1048	S: 5/14/2003	11:10	Y0XJ7	Field Duplicate

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MY0XJ5, MY0XN5	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S5
R

Region:	9	Date Shipped:	5/15/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	837787487194	1 [signature] 5-15-03 1600	Fed. Express 5-15-03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y0XJ8	Ground Water/ Gerardo Zuniga	(1) H/G	VOA (21)	(HCL) (3)	GW203-OW6-0048	S: 5/15/2003	10:10	MY0XJ8, MY0XN8	--
Y0XK0	Ground Water/ Gerardo Zuniga	(2) H/G	VOA (21)	(HCL) (3)	GW203-OW8-0075	S: 5/15/2003	11:50	MY0XK0, MY0XP0	--
Y0XK3	Ground Water/ Amanda Cohan	L/G	VOA (21)	(HCL) (3)	GW203-OW6-2003	S: 5/15/2003	10:00		Trip Blank

(1) > 200 ppb Freon 113

(2) > 1,000 ppb PCE

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

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(8)

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 31721
Client No: R03S5

R

Region:	9	**Date Shipped:**	5/15/2003	**Chain of Custody Record**	**Sampler Signature:** AK KC
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	837031306895	1 AK KC 5-15-03 1600	Fed. Express 5-15-03 1600
CERCLIS ID:	CAD042245001	**Shipped to:**	USEPA Region 9 Laboratory 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
GW203-OW6-0048	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-OW6-0048	S: 5/15/2003 10:10	--
GW203-OW7-0081	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-OW7-0081	S: 5/15/2003 9:00	--
GW203-OW8-0075	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-OW8-0075	S: 5/15/2003 11:50	--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____
1,4-Diox = 1,4-Dioxane, Perch = Perchlorate			

TR Number: 9-200434794-051403-0001

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S5
R

Region:	9	Date Shipped:	5/15/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835865969003	1 5-15-03 1600	Federal Express 5-15-03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MY0XJ8	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) 4 HNO3	GW203-OW6-0048	S: 5/15/2003	10:10	Y0XJ8	–
MY0XJ9	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) : NaOH	GW203-OW7-0081	S: 5/15/2003	9:00	Y0XJ9	–
MY0XK0	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) : NaOH	GW203-OW8-0075	S: 5/15/2003	11:50	Y0XK0	–
MY0XN8	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW6-0048	S: 5/15/2003	10:10	Y0XJ8	–
MY0XN9	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW7-0081	S: 5/15/2003	9:00	Y0XJ9	–
MY0XP0	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-OW8-0075	S: 5/15/2003	11:50	Y0XK0	–

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals

TR Number: 9-200434794-051403-0002

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	31721
DAS No:	R03S54

R

Region:	9	Date Shipped:	5/16/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835859427475	1 5-16-03 1600	Federal Express 5-16-03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Clayton Environmental Consultants, Inc 22345 Roethel Drive Novi MI 48375 (248) 344-1770	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y0XG4	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (3)	GW203-MW03A-0042	S: 5/16/2003	14:00	MY0XG4, MY0XL4	--
Y0XH9	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (3)	GW203-MW11A-0045	S: 5/16/2003	12:45	MY0XH9, MY0XM9	--
Y0XJ9	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (3)	GW203-OW7-0081	S: 5/15/2003	9:00	MY0XJ9, MY0XN9	--
Y0XK4	Ground Water/ Amanda Cohan	L/G	VOA (21)	(HCL) (3)	GW203-MW03A-2004	S: 5/16/2003	14:10		Trip Blank
Y0XK9	Ground Water/ Amanda Cohan	L/G	VOA (21)	(HCL) (3)	GW203-OW7-4001	S: 5/15/2003	7:30		Rinsate

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 9-200434794-051603-0003

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 31721
Client No: R03S54

R

Region:	9	**Date Shipped:**	5/16/2003	**Chain of Custody Record**	**Sampler Signature:** SHKCL
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	835859427486	1 SHKCL 5-16-03 1600	Fed. Express 5-16-03 1600
CERCLIS ID:	CAD042245001	**Shipped to:**	USEPA Region 9 Laboratory 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
GW203-MW03A-0042	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW03A-0042	S: 5/16/2003 14:00	--
GW203-MW11A-0045	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW11A-0045	S: 5/16/2003 12:45	--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: Perch = Perchlorate	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 9-200434794-051603-0001

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S54
R

Region:	9	Date Shipped:	5/16/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835865969014	1 [illegible] 5-16-03 1600	Fed. Express 5-16-03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MY0XG4	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) : HNO_3	GW203-MW03A-0042	S: 5/16/2003 14:00	Y0XG4	–
MY0XH9	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) : HNO_3	GW203-MW11A-0045	S: 5/16/2003 12:45	Y0XH9	–
MY0XL4	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW03A-0042	S: 5/16/2003 14:00	Y0XG4	–
MY0XM9	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW11A-0045	S: 5/16/2003 12:45	Y0XH9	–

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals			

TR Number: 9-200434794-051603-0002

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S54
R

Region:	9	Date Shipped:	5/19/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835865969025	1 5-19-03 1600	Fed. Express 5-19-03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MY0XG5	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) ? NaOH	GW203-MW04A-0047	S: 5/19/2003	8:20	Y0XG5	–
MY0XG6	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) ? HNO3	GW203-MW04A-1047	S: 5/19/2003	8:30	Y0XG6	Field Duplicate
MY0XG7	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) ? HNO3	GW203-MW04B-0075	S: 5/19/2003	9:20	Y0XG7	–
MY0XG8	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) ? NaOH	GW203-MW04C-0094	S: 5/19/2003	10:00	Y0XG8	–
MY0XH0	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) ? HNO3	GW203-MW06A-0042	S: 5/19/2003	12:00	Y0XH0	–
MY0XH1	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) ? NaOH	GW203-MW07A-0041	S: 5/19/2003	11:30	Y0XH1	–
MY0XL5	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW04A-0047	S: 5/19/2003	8:20	Y0XG5	–
MY0XL6	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW04A-1047	S: 5/19/2003	8:30	Y0XG6	Field Duplicate
MY0XL7	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW04B-0075	S: 5/19/2003	9:20	Y0XG7	–
MY0XL8	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW04C-0094	S: 5/19/2003	10:00	Y0XG8	–
MY0XM0	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW06A-0042	S: 5/19/2003	12:00	Y0XH0	–

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals			

TR Number: 9-200434794-051803-0005

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EPA USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	31721	R
DAS No:	R03S54	

Region:	9	Date Shipped:	5/19/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835865969025	1 5-19-03 1600	Fed. Express 5-19-03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MY0XM1	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW07A-0041	S: 5/19/2003 11:30	Y0XH1	–

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals

TR Number: 9-200434794-051803-0005

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 31721
Client No: R03S54

R

Region:	9	**Date Shipped:**	5/19/2003	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	837031306900	1	
CERCLIS ID:	CAD042245001	**Shipped to:**	USEPA Region 9 Laboratory 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
GW203-MW04A-0047	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-MW04A-0047	S: 5/19/2003 8:20	–
GW203-MW04A-1047	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-MW04A-1047	S: 5/19/2003 8:30	Field Duplicate
GW203-MW04B-0075	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-MW04B-0075	S: 5/19/2003 9:20	–
GW203-MW04C-0094	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW04C-0094	S: 5/19/2003 10:00	–
GW203-MW06A-0042	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-MW06A-0042	S: 5/19/2003 12:00	–
GW203-MW07A-0041	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW07A-0041	S: 5/19/2003 11:30	–

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: 1,4-Diox = 1,4-Dioxane, Perch = Perchlorate	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 9-200434794-051803-0004

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	31721
DAS No:	R03S54

R

Region:	9	Date Shipped:	5/20/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835859427497	1 5-20-03/1600	Fed. Express 5-20-03/1600
CERCLIS ID:	CAD042245001	Shipped to:	Clayton Environmental Consultants, Inc 22345 Roethel Drive Novi MI 48375 (248) 344-1770	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y0XG8	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (3)	GW203-MW04C-0094	S: 5/19/2003	10:00	MY0XG8, MY0XL8	–
Y0XH1	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (3)	GW203-MW07A-0041	S: 5/19/2003	11:30	MY0XH1, MY0XM1	–
Y0XH3	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (3)	GW203-MW08B-0070	S: 5/20/2003	8:45	MY0XH3, MY0XM3	–
Y0XH4	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (3)	GW203-MW08C-0087	S: 5/20/2003	9:25	MY0XH4, MY0XM4	–
Y0XH8	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (6)	GW203-MW10A-0057	S: 5/20/2003	12:30	MY0XH8, MY0XM8	–
Y0XK6	Ground Water/ Amanda Cohan	L/G	VOA (21)	(HCL) (3)	GW203-MW08B-2006	S: 5/20/2003	9:00		Trip Blank

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: Y0XH8	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 9-200434794-052003-0007

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S54
R

Region:	9	Date Shipped:	5/20/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835859427501	1 5-20-03 1600	Fed. Express 5-20-03 1600
CERCLIS ID:	CAD042245001	Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y0XG5	Ground Water/ Gerardo Zuniga	1 H/G	VOA (21)	(HCL) (3)	GW203-MW04A-0047	S: 5/19/2003 8:20	MY0XG5, MY0XL5	--
Y0XG6	Ground Water/ Gerardo Zuniga	1 H/G	VOA (21)	(HCL) (3)	GW203-MW04A-1047	S: 5/19/2003 8:30	MY0XG6, MY0XL6	Field Duplicate
Y0XG7	Ground Water/ Gerardo Zuniga	2 H/G	VOA (21)	(HCL) (3)	GW203-MW04B-0075	S: 5/19/2003 9:20	MY0XG7, MY0XL7	--
Y0XH0	Ground Water/ Gerardo Zuniga	3 H/G	VOA (21)	(HCL) (3)	GW203-MW06A-0042	S: 5/19/2003 12:00	MY0XH0, MY0XM0	--
Y0XH2	Ground Water/ Gerardo Zuniga	4 H/G	VOA (21)	(HCL) (6)	GW203-MW08A-0040	S: 5/20/2003 10:35	MY0XH2, MY0XM2	--
Y0XH5	Ground Water/ Gerardo Zuniga	5 H/G	VOA (21)	(HCL) (3)	GW203-MW08D-0116	S: 5/20/2003 11:25	MY0XH5, MY0XM5	--
Y0XK5	Ground Water/ Amanda Cohan	L/G	VOA (21)	(HCL) (3)	GW203-MW04A-2005	S: 5/19/2003 8:55		Trip Blank

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Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: Y0XH2	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: VOA = CLP TCL Volatiles	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 9-200434794-052003-0008

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No:	31721	R
DAS No:	R03S54	

Region:	9	Date Shipped:	5/20/2003	Chain of Custody Record	Sampler Signature: AHKC
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835865969036	1 AHKC 5-20-03/1600	Fed. Express 5-20-03/1600
CERCLIS ID:	CAD042245001	Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MY0XH2	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) : HNO_3	GW203-MW08A-0040	S: 5/20/2003 10:35	Y0XH2	–
MY0XH3	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) : HNO_3	GW203-MW08B-0070	S: 5/20/2003 8:45	Y0XH3	–
MY0XH4	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) : NaOH	GW203-MW08C-0087	S: 5/20/2003 9:25	Y0XH4	–
MY0XH5	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) : NaOH	GW203-MW08D-0116	S: 5/20/2003 11:25	Y0XH5	–
MY0XH8	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (4) : HNO_3	GW203-MW10A-0057	S. 5/20/2003 12:30	Y0XH8	–
MY0XM2	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW08A-0040	S: 5/20/2003 10:35	Y0XH2	–
MY0XM3	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW08B-0070	S: 5/20/2003 8:45	Y0XH3	–
MY0XM4	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW08C-0087	S: 5/20/2003 9:25	Y0XH4	–
MY0XM5	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW08D-0116	S: 5/20/2003 11:25	Y0XH5	–
MY0XM8	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (2)	GW203-MW10A-0057	S: 5/20/2003 12:30	Y0XH8	–

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MY0XH8, MY0XM8	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals			

TR Number: 9-200434794-052003-0006

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 31721
Client No: R03S54

R

Region:	9	**Date Shipped:**	5/20/2003	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	837031306910	1 5-20-03/1600	Fed. Express 5-20-03/1600
CERCLIS ID:	CAD042245001	**Shipped to:**	USEPA Region 9 Laboratory 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
GW203-MW08A-0040	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-MW08A-0040	S: 5/20/2003 10:35	--
GW203-MW08B-0070	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW08B-0070	S: 5/20/2003 8:45	--
GW203-MW08C-0087	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW08C-0087	S: 5/20/2003 9:25	--
GW203-MW08D-0116	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW08D-0116	S: 5/20/2003 11:25	--
GW203-MW10A-0057	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (6)	GW203-MW10A-0057	S: 5/20/2003 12:30	--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** GW203-MW10A-0057	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: 1,4-Diox = 1,4-Dioxane, Perch = Perchlorate	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 9-200434794-052003-0005

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No:	31721	R
DAS No:	R03S54	

Region:	9	Date Shipped:	5/21/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835859426972	1 5-21-03/1600	Fed. Express 5-21-03/1600
CERCLIS ID:	CAD042245001	Shipped to:	Clayton Environmental Consultants, Inc 22345 Roethel Drive Novi MI 48375 (248) 344-1770	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y0XH6	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (3)	GW203-MW09A-0032	S: 5/21/2003	10:45	MY0XH6, MY0XM6	--
Y0XH7	Ground Water/ Gerardo Zuniga	L/G	VOA (21)	(HCL) (3)	GW203-MW09B-0054	S: 5/21/2003	11:45	MY0XH7, MY0XM7	--
Y0XK7	Ground Water/ Amanda Cohan	L/G	VOA (21)	(HCL) (3)	GW203-MW09A-2007	S: 5/21/2003	11:00		Trip Blank

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
VOA = CLP TCL Volatiles			

TR Number: 9-200434794-052003-0003

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S54
R

Region:	9	**Date Shipped:**	5/21/2003	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	835865969047	1 [signature] 5-21-03/1600	Fed. Express 5-21-03/1600
CERCLIS ID:	CAD042245001	**Shipped to:**	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MY0XG0	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) ; HNO_3	GW203-MW01A-0055	S: 5/21/2003	9:50	Y0XG0	--
MY0XG1	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) ; NaOH	GW203-MW01B-0080	S: 5/21/2003	8:40	Y0XG1	--
MY0XG2	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) ; HNO_3	GW203-MW01B-1080	S: 5/21/2003	8:45	Y0XG2	Field Duplicate
MY0XH6	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) ; HNO_3	GW203-MW09A-0032	S: 5/21/2003	10:45	Y0XH6	--
MY0XH7	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) ; HNO_3	GW203-MW09B-0054	S: 5/21/2003	11:45	Y0XH7	--
MY0XL0	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW01A-0055	S: 5/21/2003	9:50	Y0XG0	--
MY0XL1	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW01B-0080	S: 5/21/2003	8:40	Y0XG1	--
MY0XL2	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW01B-1080	S: 5/21/2003	8:45	Y0XG2	Field Duplicate
MY0XM6	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW09A-0032	S: 5/21/2003	10:45	Y0XH6	--
MY0XM7	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW09B-0054	S: 5/21/2003	11:45	Y0XH7	--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____
CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals			

TR Number: 9-200434794-052003-0002

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(21)

EPA USEPA Contract Laboratory Program Generic Chain of Custody

Reference Case: 31721
Client No: R03S54

R

Region:	9	**Date Shipped:**	5/21/2003	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	837031306921	1 [signature] 5-21-03/1600	Fed. Express 5-21-03/1600
CERCLIS ID:	CAD042245001	**Shipped to:**	USEPA Region 9 Laboratory 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
GW203-MW01A-0055	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW01A-0055	S: 5/21/2003 9:50	--
GW203-MW01B-0080	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW01B-0080	S: 5/21/2003 8:40	--
GW203-MW01B-1080	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW01B-1080	S: 5/21/2003 8:45	Field Duplicate
GW203-MW09A-0032	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW09A-0032	S: 5/21/2003 10:45	--
GW203-MW09B-0054	Ground Water/ Gerardo Zuniga	L/G	Perch (21)	(Ice Only) (1)	GW203-MW09B-0054	S: 5/21/2003 11:45	--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: Perch = Perchlorate	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 9-200434794-052003-0001

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S54
R

Region:	9	**Date Shipped:**	5/22/2003	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	835859426983	1 5-22-03/1600	Fed. Express 5-22-03/1600
CERCLIS ID:	CAD042245001	**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y0XG0	Ground Water/ Gerardo Zuniga (1)	H/G	VOA (21)	(HCL) (3)	GW203-MW01A-0055	S: 5/21/2003 9:50	MY0XG0, MY0XL0	--
Y0XG1	Ground Water/ Gerardo Zuniga (2)	H/G	VOA (21)	(HCL) (3)	GW203-MW01B-0080	S: 5/21/2003 8:40	MY0XG1, MY0XL1	--
Y0XG2	Ground Water/ Gerardo Zuniga (2)	H/G	VOA (21)	(HCL) (3)	GW203-MW01B-1080	S: 5/21/2003 8:45	MY0XG2, MY0XL2	Field Duplicate
Y0XG3	Ground Water/ Gerardo Zuniga (3)	H/G	VOA (21)	(HCL) (3)	GW203-MW02A-0055	S: 5/22/2003 10:45	MY0XG3, MY0XL3	--
Y0XG9	Ground Water/ Gerardo Zuniga (4)	H/G	VOA (21)	(HCL) (3)	GW203-MW05A-0049	S: 5/22/2003 9:30	MY0XG9, MY0XL9	--
Y0XK8	Ground Water/ Amanda Cohan	L/G	VOA (21)	(HCL) (3)	GW203-MW01A-2008	S: 5/21/2003 10:00		Trip Blank

(1)
(2)
(3)
(4)

Shipment for Case Complete? Y	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: VOA = CLP TCL Volatiles	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 9-200434794-052203-0003

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 31721
DAS No: R03S54
R

Region:	9	Date Shipped:	5/22/2003	Chain of Custody Record	Sampler Signature:
Project Code:		Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	835865969058	1 5-22-03/1600	Fed. Express 5-22-03/1600
CERCLIS ID:	CAD042245001	Shipped to:	Liberty Analytical Corporation 501 Madison Avenue Cary NC 27513 (919) 379-4100	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	QC Type
MY0XG3	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(NaOH) (2) + HNO_3	GW203-MW02A-0055	S: 5/22/2003 10:45	Y0XG3	--
MY0XG9	Ground Water/ Gerardo Zuniga	L/G	CN (21), TM (21)	(HNO3) (2) + NaOH	GW203-MW05A-0049	S: 5/22/2003 9:30	Y0XG9	--
MY0XL3	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW02A-0055	S: 5/22/2003 10:45	Y0XG3	--
MY0XL9	Ground Water/ Gerardo Zuniga	L/G	DM (21)	(HNO3) (1)	GW203-MW05A-0049	S: 5/22/2003 9:30	Y0XG9	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: CN = Cyanide, DM = CLP TAL Dissolved Metals, TM = CLP TAL Total Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 9-200434794-052203-0002

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USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case: 31721
Client No: R03S54

R

Region:	9	**Date Shipped:**	5/22/2003	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	837031307023	1 5-22-03/1600	Fed. Express 5-22-03/1600
CERCLIS ID:	CAD042245001	**Shipped to:**	USEPA Region 9 Laboratory 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300	2	
Spill ID:				3	
Site Name/State:	Omega Chemical, 2Q03/CA			4	
Project Leader:	Bill Clarke				
Action:	Combined RI/FS				
Sampling Co:	Weston Solutions, Inc.				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	QC Type
GW203-MW02A-0055	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-MW02A-0055	S: 5/22/2003 10:45	--
GW203-MW05A-0049	Ground Water/ Gerardo Zuniga	L/G	1,4-Diox (21), Perch (21)	(Ice Only) (3)	GW203-MW05A-0049	S: 5/22/2003 9:30	--

Shipment for Case Complete? Y	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key: 1,4-Diox = 1,4-Dioxane, Perch = Perchlorate	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

TR Number: 9-200434794-052203-0001

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APPENDIX E
PURGE RECORDS

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074-515.006.0331
Weather Conditions: Sunny, Hot
Well Sampled By: ABR & GDZ

Date: 5/21/03
Time: 0900

General Information

Well ID Number: MW01A
Organic CLP ID #: Y0XG0
Inorganic CLP ID #: MY0XA0, MY0XL0

Initial Depth to Water (feet): _____
PID Reading: _____

Final Depth to Water (feet): 32.33

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
9:10	0.5	6.51	1094	N/A	N/A	22.4	138	Clear	32.33
9:13	0.8	6.50	1095			22.3	140	Clear	32.33
9:16	1.1	6.49	1096			22.2	140	Clear	32.33
9:19	2.0	6.45	1095			22.3	141	Clear	32.33
9:22	2.2	6.41	1094			22.2	141	Clear	32.33
9:25	3.0	6.41	1095			22.2	141	Clear	32.33
9:28	3.7	6.43	1095			22.2	141	Clear	32.33
9:31	4.0	6.49	1094			22.4	140	Clear	32.33
9:34	4.2	6.41	1094			22.8	138	Clear	32.33
9:37	4.5	6.42	1090			23.6	136	Clear	32.33
~~10:00~~	4.7	6.40	1089	✓	✓	24.1	134	Clear	32.33
9:40									

Sample Number: GW203-MW01A-0055
Sample Time: 0950

Field Duplicate: ____ Yes X No
Sample Time: _____
Field Duplicate Number: _____
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: ____ Yes X No
Trip Blank: X Yes ____ No
Sample Time: 1000
Trip Blank Number: ~~Y0XK8~~
Organic CLP ID #: Y0XK8

Laboratory Analyses BC GW203-MW01A-2008

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 0 Cyanide 14

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.
Weather Conditions: Sunny, Hot
Well Sampled By: ABR & GDZ

Date: 5/21/03
Time: 0750

General Information

Well ID Number: MW01B
Organic CLP ID #: YOXG1
Inorganic CLP ID #: MYOXG1, MYOXL1

Initial Depth to Water (feet): _____
PID Reading: _____

Final Depth to Water (feet): 32.29

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
8:05	0.5	6.9	999			21.8	105	Clear	32.29
8:08	0.8	6.68	1001			21.9	105	Clear	32.28
8:11	1.0	6.59	1002			21.9	105	Clear	32.28
8:14	1.2	6.69	1003			22.0	106	Clear	32.28
8:17	1.6	6.79	1002			22.0	106	Clear	32.29
8:20	2.0	6.70	1001			22.0	106	Clear	32.29
8:23	2.3	6.64	1002			22.1	106	Clear	32.29
8:26	3.0	6.66	1001			22.1	106	Clear	32.29
8:29	3.2	6.81	1001			22.2	106	Clear	32.29
8:32	3.5	6.73	1001			22.2	106	Clear	32.29
8:35	3.8	6.64	1000			22.2	106	Clear	32.29

Sample Number: GW203-MW01B-0080
Sample Time: 0840

Field Duplicate: ✓ Yes ____ No
Field Duplicate Number: GW203-MW01B-1080
Sample Time: 0845
Organic CLP ID #: YOXG2, **Inorganic CLP ID #:** MYOXG2 MYOXL2

MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ____ Yes ✓ No
Trip Blank Number: _____
Sample Time: _____
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 0 Cyanide 14

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: Sunny & hot
Well Sampled By: AKC ; ABR

Date: 5-22-03
Time: 10:00

General Information

Well ID Number: MW02A
Organic CLP ID #: YOXG3
Inorganic CLP ID #: MYOXG3 , MYOXL3

Initial Depth to Water (feet): 29.05
PID Reading: NA

Final Depth to Water (feet): _____

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
10:13	0.3	7.02				22.9	89	Clear	29.05
10:16	0.5	7.02				23.0	89	Clear	29.05
10:19	0.8	7.02				23.0	88	Clear	29.05
10:22	1.0	7.04				23.0	89	Clear	29.05
10:25	1.2	7.06				23.0	86	Clear	29.05
10:28	1.5	7.06				23.0	85	Clear	29.05
10:31	1.8	7.06				23.0	85	Clear	29.05
10:34	2.0	7.06				23.0	85	Clear	29.05
10:37	2.2	7.06				23.1	86	Clear	29.05
10:40	2.5	7.06				23.2	85	Clear	29.05
10:43	2.8	7.05				23.2	85	Clear	29.05

Sample Number: GW203-MW02A-0055
Sample Time: 10:45

Field Duplicate: ____ Yes ✓ No
Sample Time: _____
Field Duplicate Number: _____
Organic CLP ID #: _____ , **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ____ Yes ✓ No
Sample Time: _____
Trip Blank Number: _____
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals _____

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs

Work Order Number: 20074.515.009.0331

Date: 5-16-03

Weather Conditions: Sunny, Warm

Time: 1315

Well Sampled By: MS & GD2

General Information

Well ID Number: MW03A

Organic CLP ID #: YOX64

Inorganic CLP ID #: MYOXG4, MYOXLX

Initial Depth to Water (feet): 27.85

Final Depth to Water (feet): 27.85

PID Reading: 1.0

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
1318	0.2	6.61	1598	N/A	N/A	22.8	84	CLEAR	27.85
1321	0.5	6.63	1632			22.2	81	CLEAR	27.87
1324	1.0	6.57	1634			22.2	81	CLEAR	27.90
1327	1.3	6.57	1633			22.1	80	CLEAR	27.92
1330	1.6	6.57	1633			22.1	81	CLEAR	27.86
1333	2.0	6.58	1636			22.0	80	CLEAR	27.85
1336	2.1	6.57	1635			22.1	80	CLEAR	27.84
1339	2.8	6.57	1635			22.1	80	CLEAR	27.83
1342	3.4	6.58	1636			22.0	80	CLEAR	27.88
1345	4.0	6.58	1637			22.0	80	CLEAR	27.88

Sample Number: GW203-MW03A-0042

Sample Time: 1400

Field Duplicate: ____ Yes X No

Sample Time: _____

Field Duplicate Number: _____

Organic CLP ID #: _____, **Inorganic CLP ID #:** _____

MS/MSD Sample Volume: ____ Yes X No

Trip Blank: X Yes ____ No

Sample Time: 1410

Trip Blank Number: GW203-MW03A-2004

Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs

(2) L-Amber Bottles - 1, 4-Dioxane

(1) L-Polyethylene Bottles w/NaOH - Total Cyanide

(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals

(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 1 Cyanide 12

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: Sunny, Hot
Well Sampled By: MSE GDZ

Date: 5-19-03
Time: 745

General Information

Well ID Number: MW04A
Organic CLP ID #: YOXG5
Inorganic CLP ID #: MYOXG5, MYOXL5

Initial Depth to Water (feet): 24.50
PID Reading: 0.00

Final Depth to Water (feet): 24.45

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
748	0.3	6.91	1505			21.2	95	CLEAR	24.46
751	0.5	6.88	1520			21.4	96	CLEAR	24.45
754	1.0	6.85	1529			21.3	96	CLEAR	24.49
757	1.4	6.82	1525			21.5	98	CLEAR	24.47
800	1.7	6.82	1525			21.5	98	CLEAR	24.47
803	2.2	6.82	1522			21.5	97	CLEAR	24.48
806	2.7	6.82	1524			21.5	97	CLEAR	24.46
809	3.1	6.81	1524			21.5	96	CLEAR	24.45
812	3.5	6.81	1519			21.6	96	CLEAR	24.49
815	4.1	6.81	1519			21.6	96	CLEAR	24.48

Sample Number: GW203-MW04A-0047
Sample Time: 820

Field Duplicate: X Yes ___ No
Sample Time: 830
Field Duplicate Number: GW203-MW04A-1047
Organic CLP ID #: YOXG6, **Inorganic CLP ID #:** MYOXG6, MYOXL6

MS/MSD Sample Volume: ___ Yes X No

Trip Blank: ✓ Yes ___ No
Sample Time: 0855
Trip Blank Number: GW203-MW04A-2005
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 1 Cyanide 12

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: Sunny, Hot
Well Sampled By: MS & GDZ

Date: 5-19-03
Time: 845

General Information

Well ID Number: MW04B
Organic CLP ID #: Y0XG7
Inorganic CLP ID #: MY0XG7, MY0XL7

Initial Depth to Water (feet): 24.40
PID Reading: 0.00

Final Depth to Water (feet): 24.35

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
848	0.3	6.79	1480			21.7	107	CLEAR	24.41
851	0.8	6.78	1486			21.4	106	CLEAR	24.44
854	1.3	6.78	1483			21.4	106	CLEAR	24.42
857	1.7	6.79	1482			21.4	105	CLEAR	24.38
900	2.3	6.79	1482			21.3	104	CLEAR	24.45
903	2.9	6.79	1478			21.3	103	CLEAR	24.40
906	3.5	6.79	1480			21.3	103	CLEAR	24.39
909	4.1	6.79	1482			21.3	102	CLEAR	24.42
912	4.6	6.79	1482			21.4	102	CLEAR	24.40
915	5.1	6.79	1479			21.4	101	CLEAR	24.35

Sample Number: GW203-MW04B-0075
Field Duplicate: ____ Yes ✓ No
Field Duplicate Number: _____
MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ____ Yes ✓ No
Trip Blank Number: _____

Sample Time: _____
Sample Time: _____
Organic CLP ID #: _____, **Inorganic CLP ID #:** ~~MY0X~~ M.S.
Sample Time: _____
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals _____

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs

Work Order Number: 20074.515.0090331

Date: 5-19-03

Weather Conditions: Sunny, Warm

Time: 925

Well Sampled By: MS & GDZ

General Information

Well ID Number: MW04C

Organic CLP ID #: YOXG8

Inorganic CLP ID #: MYOXG8, MYOXL8

Initial Depth to Water (feet): 25.89

Final Depth to Water (feet): 25.88

PID Reading: 0.00

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
928	0.3	6.94	1410			21.5	109	CLEAR	25.91
931	0.7	6.90	1431			21.4	108	CLEAR	25.90
934	1.2	6.89	1432			21.3	109	CLEAR	25.89
937	1.8	6.89	1430			21.3	109	CLEAR	25.90
940	2.4	6.89	1431			21.3	115	CLEAR	25.90
943	3.1	6.90	1426			21.2	115	CLEAR	25.91
946	3.7	6.90	1416			21.2	114	CLEAR	25.95
949	4.4	6.90	1413			21.1	113	CLEAR	25.91
952	5.1	6.90	1407			21.1	112	CLEAR	25.93
955	5.8	6.90	1405			21.1	111	CLEAR	25.92

Sample Number: GW203-MW04C-0094

Sample Time: 1006

Field Duplicate: ____ Yes X No

Sample Time: _____

Field Duplicate Number: N/A

Organic CLP ID #: _____, **Inorganic CLP ID #:** _____

MS/MSD Sample Volume: ____ Yes X No

Trip Blank: ____ Yes X No

Sample Time: _____

Trip Blank Number: N/A

Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs

(2) L-Amber Bottles - 1, 4-Dioxane

(1) L-Polyethylene Bottles w/NaOH - Total Cyanide

(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals

(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 0

CYANIDE 14

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Locations: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: Sunny, hot
Well Sampled By: AKC : ABR

Date: 5-22-03
Time: 0815

General Information

Well ID Number: MW05A
Organic CLP ID #: Y0XL9
Inorganic CLP ID #: MY0XL9 , MY0XL9

Initial Depth to Water (feet): 26.30
Final Depth to Water (feet): 26.21
PID Reading: 0.0

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
8:45	0.3	6.98				22.0	76	Clear	26.26
8:48	0.5	6.99				22.2	76	Clear	26.26
8:51	1.0	6.99				22.2	76	Clear	26.26
8:54	1.5	6.99				22.2	76	Clear	26.26
8:57	1.8	6.99				22.3	77	Clear	26.23
9:00	2.0	6.99				22.3	78	Clear	26.23
9:03	2.5	7.0				22.3	78	Clear	26.23
9:06	2.8	7.0				22.3	78	Clear	26.23
9:09	3.2	7.1				22.3	77	Clear	26.23
9:12	4.0	7.01				22.3	78	Clear	26.27
9:15	4.2	7.01				22.3	77	Clear	26.27

Sample Number: GW203-MW05A-0049
Sample Time: 9:30

Field Duplicate: ____ Yes X No
Sample Time: _____
Field Duplicate Number: _____
Organic CLP ID #: _____ , **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: ____ Yes X No
Trip Blank: ____ Yes X No
Sample Time: _____
Trip Blank Number: _____
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals _____

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: WARM, SUNNY
Well Sampled By: MS + GZ

Date: 5-19-03
Time: 1108

General Information

Well ID Number: MW06A
Organic CLP ID #: Y0XH0
Inorganic CLP ID #: MY0XH0, MY0XM0

Initial Depth to Water (feet): 25.84
PID Reading: 0.00

Final Depth to Water (feet): 25.82

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
1113	0.3	6.70	1905			22.3	112	CLEAR	25.80
1114	0.8	6.70	1909			22.3	112	CLEAR	25.82
1117	1.3	6.71	1910			22.2	112	CLEAR	25.83
1120	1.8	6.71	1909			22.2	111	CLEAR	25.85
1123	2.5	6.71	1904			22.1	111	CLEAR	25.84
1126	3.1	6.71	1909			22.1	111	CLEAR	25.85
1129	3.8	6.71	1907			22.2	110	CLEAR	25.83
1132	4.3	6.71	1908			22.1	111	CLEAR	25.84
1135	4.8	6.71	1909			22.1	111	CLEAR	25.85
1138	5.2	6.72	1908			22.2	111	CLEAR	25.85

Sample Number: GW203-MW06A-0042 — Sample Time: 1200

Field Duplicate: ____ Yes X No — Sample Time: _____
Field Duplicate Number: _____ — **Organic CLP ID #:** _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: ____ Yes X No
Trip Blank: ____ Yes X No — Sample Time: _____
Trip Blank Number: _____ — **Organic CLP ID #:** _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 0 Cyanide 14

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs

Work Order Number: _____

Date: 5-19-03

Weather Conditions: SUNNY, WARM

Time: 1015

Well Sampled By: MS & GZ

General Information

Well ID Number: MW07A

Organic CLP ID #: Y0XH1

Inorganic CLP ID #: MY0XH1, MY0XM1

Initial Depth to Water (feet): _____

Final Depth to Water (feet): 21.90

PID Reading: _____

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
1018	0.3	6.64	2480			22.3	118	CLEAR	21.90
1021	0.6	6.64	2500			22.3	115	CLEAR	21.89
1024	1.0	6.63	2520			22.2	112	CLEAR	21.88
1027	1.5	6.63	2540			22.0	111	CLEAR	21.88
1030	2.0	6.64	2560			22.0	110	CLEAR	21.92
1033	2.6	6.64	2570			22.1	109	CLEAR	21.91
1036	3.2	6.64	2570			22.1	110	CLEAR	21.90
1039	3.8	6.64	2560			22.1	108	CLEAR	21.92
1042	4.2	6.65	2570			22.1	108	CLEAR	21.92
1045	5.0	6.65	2570			22.1	108	CLEAR	21.90

Sample Number: GW203-MW07A-0041

Sample Time: 1130

Field Duplicate: ____ Yes X No

Sample Time: _____

Field Duplicate Number: _____

Organic CLP ID #: _____, **Inorganic CLP ID #:** _____

MS/MSD Sample Volume: ____ Yes X No

Trip Blank: ____ Yes X No

Sample Time: _____

Trip Blank Number: _____

Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs

(2) L-Amber Bottles - 1, 4-Dioxane

(1) L-Polyethylene Bottles w/NaOH - Total Cyanide

(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals

(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals _____

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: Sunny, Hot
Well Sampled By: MS & GDZ

Date: 5-20-03
Time: 958

General Information

Well ID Number: MW08A
Organic CLP ID #: Y0XH2
Inorganic CLP ID #: MY0XH2, MY0XM2

Initial Depth to Water (feet): 27.70
PID Reading: 8.2

Final Depth to Water (feet): 27.84

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
1001	0.5	6.12	1948			22.3	127	CLEAR	27.84
1004	1.0	6.14	1949			22.2	123	CLEAR	27.83
1007	1.5	6.14	1951			22.1	120	CLEAR	27.83
1010	2.0	6.14	1949			22.1	120	CLEAR	27.83
1013	2.5	6.15	1952			22.1	117	CLEAR	27.82
1016	3.0	6.16	1951			22.1	116	CLEAR	27.82
1019	3.4	6.16	1948			22.1	115	CLEAR	27.84
1022	3.9	6.16	1950			22.1	114	CLEAR	27.84
1025	4.3	6.17	1950			22.1	113	CLEAR	27.84
1028	4.7	6.17	1947			22.1	112	CLEAR	27.84

Sample Number: GW203-MW08A-0040
Sample Time: 1035

Field Duplicate: ____ Yes X No
Sample Time: _____
Field Duplicate Number: _____
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: X Yes ____ No
Trip Blank: ____ Yes X No
Sample Time: _____
Trip Blank Number: _____
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals _____

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074515.0070331
Weather Conditions: SUNNY, WARM
Well Sampled By: MS & GZ

Date: 5-20-03
Time: 810

General Information

Well ID Number: MW08B
Organic CLP ID #: Y0XH3
Inorganic CLP ID #: MY0XM3, MY0XH3

Initial Depth to Water (feet): 27.70
Final Depth to Water (feet): 27.67
PID Reading: 0.00

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
813	0.4	6.32	1807			21.4	158	CLEAR	27.65
816	1.0	6.32	1806			21.5	148	CLEAR	27.63
819	1.6	6.34	1808			21.5	148	CLEAR	27.64
822	2.1	6.34	1807			21.4	146	CLEAR	27.65
825	2.5	6.34	1808			21.4	145	CLEAR	27.63
828	2.9	6.35	1806			21.3	155	CLEAR	27.63
831	3.4	6.35	1809			21.4	158	CLEAR	27.63
834	3.9	6.36	1810			21.3	158	CLEAR	27.65
837	4.3	6.36	1806			21.4	159	CLEAR	27.65
840	4.7	6.35	1806			21.4	156	CLEAR	27.67

Sample Number: GW203-MW08B-0070
Sample Time: 845

Field Duplicate: ____ Yes X No
Sample Time: _____
Field Duplicate Number: _____
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: ____ Yes X No
Trip Blank: X Yes ____ No
Sample Time: 900
Trip Blank Number: GW203-MW08B-2006
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 0 14
Cyanide

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs

Work Order Number: _____

Date: 5-20-03

Weather Conditions: WARM, SUNNY

Time: 847

Well Sampled By: MS & GZ

General Information

Well ID Number: MW08C

Organic CLP ID #: Y0XH4

Inorganic CLP ID #: MY0XH4, MY0XM4

Initial Depth to Water (feet): 28.37

Final Depth to Water (feet): 28.33

PID Reading: 0.00

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
850	0.5	6.34	1733			21.6	106	CLEAR H_2S ODOR	28.33
853	1.0	6.31	1736			21.6	110	CLEAR	28.34
856	1.4	6.29	1737			21.5	112	H_2S ODOR	28.35
859	1.9	6.30	1738			21.6	112	CLEAR	28.37
902	2.4	6.30	1739			21.7	112	H_2S ODOR	28.30
905	3.0	6.28	1740			21.6	111	CLEAR	28.31
908	3.5	6.29	1744			21.6	111	H_2S ODOR	28.33
911	4.0	6.31	1743			21.5	110	CLEAR	28.38
914	4.6	6.31	1742			21.6	110	H_2S ODOR	28.30
917	5.1	6.31	1743			21.6	110	CLEAR	28.33

Sample Number: GW203-MW08C-0087

Sample Time: 925

Field Duplicate: ____ Yes X No

Sample Time: _____

Field Duplicate Number: _____

Organic CLP ID #: _____, **Inorganic CLP ID #:** _____

MS/MSD Sample Volume: ____ Yes X No

Trip Blank: ____ Yes X No

Sample Time: _____

Trip Blank Number: _____

Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs

(2) L-Amber Bottles - 1, 4-Dioxane

(1) L-Polyethylene Bottles w/NaOH - Total Cyanide

(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals

(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 0 Cyanide 14

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009 0331
Weather Conditions: Hot Sunny
Well Sampled By: MS & GZ

Date: 5-20-03
Time: 1048

General Information

Well ID Number: MW08D
Organic CLP ID #: Y0XH5
Inorganic CLP ID #: MY0XH5, MY0XM5

Initial Depth to Water (feet): 31.84
PID Reading: 0.00

Final Depth to Water (feet): 32.29

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
1051	0.3	6.72	1218			22.7	122	CLEAR	32.24
1054	0.8	6.47	1308			22.3	109	CLEAR	32.28
1057	1.4	6.48	1312			22.3	104	CLEAR	32.20
1100	2.0	6.49	1310			22.3	102	CLEAR	32.24
1103	2.5	6.50	1313			22.4	101	CLEAR	32.25
1106	2.9	6.52	1312			22.4	101	CLEAR	32.24
1109	3.4	6.49	1311			22.4	100	CLEAR	32.29
1112	3.9	6.47	1311			22.4	98	CLEAR	32.28
1115	4.3	6.51	1314			22.4	98	CLEAR	32.28
1118	4.8	6.54	1311			22.5	98	CLEAR	32.27

Sample Number: GW203-MW08D-0116
Sample Time: 1125

Field Duplicate: ____ Yes X No
Sample Time: _____
Field Duplicate Number: N/A
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: ____ Yes X No
Trip Blank: ____ Yes X No
Sample Time: _____
Trip Blank Number: N/A
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 0 Cyanide 14

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20024-515-609.0331
Weather Conditions: Sunny, Hot
Well Sampled By: ABR & GDZ

Date: 5/21/03
Time: 1000

General Information

Well ID Number: MW09A
Organic CLP ID #: YOXH6
Inorganic CLP ID #: MYOXH6, MYOXM6

Initial Depth to Water (feet):_____
PID Reading: _____

Final Depth to Water (feet):_____

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
10:11	0.2	6.88	1940			22.7	129	Clear	26.52
10:14	0.5	6.67	1968			22.5	108	Clear	26.52
10:17	0.6	6.61	1970			23.4	105	Clear	26.52
10:20	0.8	6.49	1972			23.7	106	Clear	26.52
10:23	1.0	6.49	1971			24.0	106	Clear	26.52
10:26	1.2	6.45	1965			24.1	105	Clear	26.42
10:29	1.3	6.47	1966			24.2	105	Clear	26.42
10:32	1.5	6.44	1967			24.1	105	Clear	26.42
10:35	1.7	6.41	1961			24.3	104	Clear	26.40
10:38	1.9	6.38	1964			24.4	104	Clear	26.39
10:41	2.0	6.37	1958			24.5	104	Clear	26.38

Sample Number: GW203-MW09A-0032
Sample Time: 1045

Field Duplicate: ____ Yes X No
Sample Time: _____
Field Duplicate Number: _____
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: ____ Yes X No
Trip Blank: X Yes ____ No
Sample Time: 1100
Trip Blank Number: GW203-MW09A-2007
Organic CLP ID #: YOXK7

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals _____

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074, 545, 009, 0371
Date: 5-21-03
Weather Conditions: Sunny; hot
Time:
Well Sampled By: ABR & GDZ

General Information

Well ID Number: MW09B
Organic CLP ID #: 40XH7
Inorganic CLP ID #: MY0XH7, MY0XM7

Initial Depth to Water (feet):
Final Depth to Water (feet):
PID Reading:

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
11:06	0.2	6.74	1614			22.4	108	Clear	29.55
11:09	0.5	6.60	1628			22.0	110	Clear	29.52
11:12	0.8	6.50	1630			21.9	111	Clear	29.55
11:15	1.5	6.49	1629			21.8	112	Clear	29.55
11:18	2.5	6.47	1633			21.9	112	Clear	29.55
11:21	3.0	6.51	1628			21.9	112	Clear	29.55
11:24	3.3	6.52	1628			21.8	112	Clear	29.57
11:27	3.5	6.48	1626			21.9	112	Clear	29.56
11:30	3.8	6.46	1629			22.0	112	Clear	29.56
11:33	4.0	6.45	1627			22.0	112	Clear	29.56
11:36	4.5	6.43	1628			21.8	112	Clear	29.56

Sample Number: GW203-MW09B-0054
Sample Time: 1145

Field Duplicate: ____ Yes X No
Sample Time:
Field Duplicate Number:
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: ____ Yes X No
Trip Blank: ____ Yes X No
Sample Time:
Trip Blank Number:
Organic CLP ID #:

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals _____

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: _____
Weather Conditions: Hot, Sunny
Well Sampled By: MS, GZ

Date: 5-20-03
Time: 1151

General Information

Well ID Number: MW10A
Organic CLP ID #: YOXH8
Inorganic CLP ID #: MYOXH8, MYOXM8

Initial Depth to Water (feet): _____
PID Reading: _____

Final Depth to Water (feet): 33.20

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
1154	0.3	6.30	1967			23.9	109	CLEAR	33.23
1157	0.9	5.94	2040			23.3	108	CLEAR	33.24
1200	1.5	6.10	2010			23.2	108	CLEAR	33.25
1203	2.0	6.10	2000			23.2	108	CLEAR	33.25
1206	2.6	6.18	1999			23.2	108	CLEAR	33.24
1209	3.2	6.20	1992			23.1	108	CLEAR	33.24
1212	4.0	6.21	1995			23.1	108	CLEAR	33.25
1215	4.4	6.21	1994			23.1	107	CLEAR	33.24
1218	5.0	6.21	1997			23.1	107	CLEAR	33.24
1221	5.4	6.21	1995			23.1	107	CLEAR	33.24

Sample Number: GW203-MW10A-0057
Sample Time: 1230

Field Duplicate: ____ Yes X No
Sample Time: _____
Field Duplicate Number: _____
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: X Yes ____ No
Trip Blank: ____ Yes X No
Sample Time: _____
Trip Blank Number: _____
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 2 Cyanide 14

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074 515.009.0331
Weather Conditions: SUNNY HOT
Well Sampled By: M.S & G.Z

Date: 5-16 03
Time: 215

General Information

Well ID Number: MW11A
Organic CLP ID #: Y0XH9
Inorganic CLP ID #: MY0XH9, MY0XM9

Initial Depth to Water (feet): 36.20
Final Depth to Water (feet): 36.22
PID Reading: 0.3

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C)	ORP	Water Quality	Water Level (ft.)
1218	1	6.49	2160			22.4	119	CLEAR	36.21
1221	1.3	6.50	2160			22.5	116	CLEAR	36.23
1224	1.7	6.50	2170			22.6	119	CLEAR	36.13
1227	2.0	6.50	2160			22.8	112	CLEAR	36.16
1230	2.3	6.49	2160			22.6	109	CLEAR	36.20
1233	2.7	6.48	2150			22.6	108	CLEAR	36.10
1236	3.0	6.49	2150			22.7	107	CLEAR	36.23
1239	3.4	6.49	2160			22.6	106	CLEAR	36.26
1242	3.0	6.49	2160			22.9	106	CLEAR	36.26
1245	4.3	6.49	2100			22.9	106	CLEAR	36.25

Sample Number: GW203-MW11A-0045
Sample Time: 1245

Field Duplicate: ____ Yes X No
Field Duplicate Number: N/A
Sample Time: _____
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____

MS/MSD Sample Volume: ____ Yes X No

Trip Blank: ____ Yes X No
Trip Blank Number: N/A
Sample Time: _____
Organic CLP ID #: _____

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals 1 Cyanide 12

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515
Weather Conditions: Cloudy, humid
Well Sampled By: MS & GDZ

Date: 5/13/03
Time: 1145

General Information

Well ID Number: OW1A
Organic CLP ID #: YOXJØ
Inorganic CLP ID #: MYOXJØ, MYOXNØ
Initial Depth to Water (feet): 76.51 TD: 82.40
Final Depth to Water (feet): 76.71
PID Reading: 172

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature ~~(°C)~~ °F	ORP	Water Quality	Water Level (ft.)
1155	5	7.0	1899	71	N/A	74.4	-4	cloudy	—
1202	7	6.8	1866	160	↓	74.2	-23	cloudy	—
		-well dewatered at 9 gal-			↓				

Sample Number: GW203-OW1A-0080
Sample Time: 1340

Field Duplicate: ___ Yes ✓ No
Field Duplicate Number: N/A
Sample Time: _____
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____

Equipment Blank: ___ Yes ✓ No
Equipment Blank Number: N/A
Organic CLP ID #: _____ **(VOC Only)**

MS/MSD Sample Volume: ___ Yes ✓ No

Trip Blank: ✓ Yes ___ No
Trip Blank Number: GW203-OW1A-2001
Sample Time: 1100
Organic CLP ID #: YOXK1 **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals ✓ Cyanide ✓

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
1ST QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331 Date: 5/13/03
Weather Conditions: Cloudy, cool Time: 1006
Well Sampled By: MS & GDZ

General Information

Well ID Number: OW1B
Organic CLP ID #: YOXJ1
Inorganic CLP ID #: MYOXJ1, MYOXN1
Initial Depth to Water (feet): 76.10 TD 118.50 Final Depth to Water (feet): 84.41
PID Reading: 51.3

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature ~~(°C)~~ °F	ORP	Water Quality	Water Level (ft.)
1027	10	7.5	973	74	N/A	72.4	-99	Cloudy	91.80
1041	20	7.4	996	751		74.0	-100	turbid	102.84
1050	25	7.4	999	166		74.2	-87	cloudy	108.28
1057	30	7.4	1004	72		74.2	-89	"	113.35
1103	35	7.5	1040	65		72.9	-99	"	117.03
		-well dewatered at 35 gal-							

Sample Number: GW203-OW1B-0116 Sample Time: 1430

Field Duplicate: ____ Yes ✓ No Sample Time: _____
Field Duplicate Number: N/A **Organic CLP ID #:** _____, **Inorganic CLP ID #:** _____
Equipment Blank: ____ Yes ✓ No
Equipment Blank Number: N/A **Organic CLP ID #:** _____ **(VOC Only)**
MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ____ Yes ✓ No Sample Time: _____
Trip Blank Number: N/A **Organic CLP ID #:** _____ **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals ✓ Cyanide ✓

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074515.009.6331
Weather Conditions: Cloudy, cool
Well Sampled By: MS & GDZ

Date: 5/13/03
Time: 0800

General Information

Well ID Number: OW2
Organic CLP ID #: YOXJ2
Inorganic CLP ID #: MYOXJ2, MYOXN2
Initial Depth to Water (feet): 69.11 TD: 80.25
Final Depth to Water (feet): 69.35
PID Reading: 102

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C) °F	ORP	Water Quality	Water Level (ft.)
0810	5	6.8	1393	13	N/A	70.3	35	cloudy	~~63.52~~ 70.44
0813	10	6.9	1359	4		71.3	37	clear	70.70
0815	15	6.9	1356	2		71.6	40	"	70.72
0818	20	6.9	1355	1		71.6	41	"	70.76
0820	25	6.9	1354	1		71.6	42	"	70.78
0823	30	6.9	1355	1		71.7	42	"	70.79
0825	35	6.9	1356	1		71.7	42	"	70.78
0828	40	6.9	1355	1		71.7	43	"	70.79
0830	45	6.9	1354	0		71.7	41	"	70.78
0833	50	6.9	1356	1		71.7	45	"	70.80
0838	60	6.9	1354	0		71.4	44	"	70.79
0848	80	6.9	1355	0		71.2	43	"	70.92
0858	100	6.9	1356	0		71.3	44	"	70.97
0907	120	6.9	1357	0		71.4	44	"	70.99

Sample Number: GW203-OW2-0078 Sample Time: 0840

Field Duplicate: ____ Yes ✓ No Sample Time: _____
Field Duplicate Number: N/A **Organic CLP ID #:** _____ , **Inorganic CLP ID #:** _____
Equipment Blank: ____ Yes ✓ No
Equipment Blank Number: N/A **Organic CLP ID #:** _____ **(VOC Only)**
MS/MSD Sample Volume: ✓ Yes ____ No (VOCs only)
Trip Blank: ____ Yes ✓ No Sample Time: _____
Trip Blank Number: N/A **Organic CLP ID #:** _____ **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals ✓ Total CN^- ✓

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074 515.009.0831
Weather Conditions: Cloudy, 100'
Well Sampled By: AC & GZ

Date: 5/14/03
Time: 0715

General Information

Well ID Number: OW3
Organic CLP ID #: YOXJ3
Inorganic CLP ID #: MYOXJ3, MYOXN3
Initial Depth to Water (feet): 65.25 TO 82.65
Final Depth to Water (feet): 71.03
PID Reading: 302

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C) °F	ORP	Water Quality	Water Level (ft.)
0738	5	6.6	1501	31	1.23	69.7	62	cloudy	66.47
0746	15	6.7	1485	23	2.57	70.2	46	cloudy	68.25
0753	25	6.8	1493	7	2.88	69.9	59	clear	69.12
0759	35	6.8	1498	5	2.92	70.0	47	"	69.85
0806	45	6.8	1502	3	3.17	70.2	56	"	70.35
0811	55	6.8	1503	3	3.22	70.3	53	"	70.95
0819	65	6.8	1502	2	3.32	70.0	57	"	70.94
0825	75	6.8	1502	2	3.58	70.0	57	"	71.80
0830	85	6.8	1502	10	3.41	70.4	55	"	71.71
0838	95	6.8	1502	2	3.28	69.9	61	"	71.73
0844	105	6.8	1502	1	3.36	70.1	59	"	71.81
0851	115	6.8	1504	1	3.34	69.9	53	"	71.90
0853	118	6.8	1500	1	3.37	70.2	56	"	71.03

Sample Number: GW203-OW3-0080
Sample Time: 0900

Field Duplicate: ____ Yes ✓ No
Sample Time: _____
Field Duplicate Number: N/A
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____
Equipment Blank: ____ Yes ✓ No
Equipment Blank Number: N/A
Organic CLP ID #: _____ **(VOC Only)**
MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ____ Yes ✓ No
Sample Time: _____
Trip Blank Number: N/A
Organic CLP ID #: _____ **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals ✓ Cyanide ✓

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: Cloudy, 100/
Well Sampled By: AKC & GDZ

Date: 5/14/03
Time: 1257

General Information

Well ID Number: OW4A
Organic CLP ID #: YOXJ4
Inorganic CLP ID #: MYOXJ4, MYOXN4
Initial Depth to Water (feet): 57.60 TD: 74.75
Final Depth to Water (feet): 58.12
PID Reading: 2.0

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C) °F	ORP	Water Quality	Water Level (ft.)
1312	10	7.2	1305	4	2.86	72.1	21	clear	57.95
1314	20	7.0	1288	3	2.91	72.9	31	clear	57.98
1318	30	7.0	1295	3	2.99	73.2	25	"	57.97
1324	50	7.0	1294	1	3.00	73.9	28	"	58.19
1330	70	6.9	1292	1	3.02	74.1	27	"	58.15
1336	90	6.9	1297	0	3.11	74.3	25	"	58.25
1341	110	6.9	1291	0	3.01	74.3	24	"	58.16
1344	120	6.9	1294	0	2.96	74.0	25	"	58.20

Sample Number: GW203-OW4A-0073
Sample Time: 1350

Field Duplicate: ____ Yes ✓ No
Field Duplicate Number: N/A
Sample Time: _____
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____

Equipment Blank: ____ Yes ✓ No
Equipment Blank Number: N/A
Organic CLP ID #: _____ **(VOC Only)**

MS/MSD Sample Volume: ____ Yes ✓ No

Trip Blank: ✓ Yes ____ No
Trip Blank Number: GW203-OW4A-2002
Sample Time: 1200
Organic CLP ID #: YOXK2 **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
~~(2) L-Amber Bottles - 1, 4 Dioxane~~
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) 250 ml - Perchlorate
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals ✓ Cyanide ✓

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: Sunny, Warm
Well Sampled By: AKC & GDZ

Date: 5/14/03
Time: 1430

General Information

Well ID Number: OW4B
Organic CLP ID #: _____
Inorganic CLP ID #: _____, _____

Initial Depth to Water (feet): 60.62 TD: 126.85
PID Reading: 0.0

Final Depth to Water (feet): 65.35

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (~~°C~~) °F	ORP	Water Quality	Water Level (ft.)
1437	20	7.4	1408	3	3.51	72.2	21	clear	64.83
1440	40	7.3	1412	1	3.18	72.7	15	"	64.92
1445	60	7.2	1405	1	3.53	73.8	16	"	64.95
1450	80	7.2	1411	1	3.33	73.3	10	"	64.97
1454	100	7.2	1410	1	3.31	73.4	12	"	65.13
1500	120	7.2	1411	1	3.51	73.3	10	"	65.15
1504	140	7.2	1407	1	3.47	73.4	14	"	65.32
1508	160	7.2	1411	1	3.49	73.4	11	"	65.35
1512	180	7.2	1408	1	3.57	73.6	14	"	65.37
1516	200	7.2	1407	1	3.49	73.7	16	"	65.35

Sample Number: GW203-OW4B-0125 — Sample Time: 1500

Field Duplicate: ____ Yes ✓ No — Sample Time: _____
Field Duplicate Number: N/A — **Organic CLP ID #:** _____, **Inorganic CLP ID #:** _____
Equipment Blank: ____ Yes ✓ No
Equipment Blank Number: N/A — **Organic CLP ID #:** _____ **(VOC Only)**
MS/MSD Sample Volume: ✓ Yes ____ No
Trip Blank: ____ Yes ✓ No — Sample Time: _____
Trip Blank Number: N/A — **Organic CLP ID #:** _____ **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals ✓ Cyanide ✓

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: Cloudy, Cool
Well Sampled By: AC & GDZ

Date: 5/14/03
Time: 0941

General Information

Well ID Number: OW5
Organic CLP ID #: YOXJ6
Inorganic CLP ID #: MYOXJ6, MYOXN6

Initial Depth to Water (feet): 28.69 TD: 49.85
Final Depth to Water (feet): 28.95
PID Reading: 75

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (~~°C~~) °F	ORP	Water Quality	Water Level (ft.)
0950	10	7.1	1345	71	3.15	69.2	45	cloudy	28.87
0953	20	7.0	1332	10	3.39	70.4	47	"	28.87
0958	30	6.9	1327	4	3.24	70.6	47	clear	28.85
1003	40	6.9	1325	3	3.48	70.6	46	"	28.85
1007	50	6.9	1322	0	3.41	70.5	39	"	28.90
1010	60	7.0	1323	3	3.51	71.1	37	"	28.90
1014	70	7.0	1322	3	3.40	71.1	35	"	28.89
1018	80	6.9	1319	2	3.53	71.1	31	"	28.89
1021	90	6.9	1320	2	3.56	71.1	32	"	28.98
1025	100	6.9	1319	2	3.61	71.3	31	"	28.95
1027	110	6.9	1320	2	3.63	71.2	29	"	28.95
1030	120	6.9	1319	1	3.68	71.1	30	"	28.96
1032	125	6.9	1317	1		71.2	31	"	28.95

Sample Number: GW203-OW5-0048
Sample Time: 1105

Field Duplicate: ✓ Yes ___ No
Sample Time: 1110
Field Duplicate Number: GW203-OW5-1048
Organic CLP ID #: YOXJ7, **Inorganic CLP ID #:** MYOXN7 MYOXJ7
Equipment Blank: ___ Yes ✓ No
Equipment Blank Number: N/A
Organic CLP ID #: _____ **(VOC Only)**
MS/MSD Sample Volume: ___ Yes ✓ No
Trip Blank: ___ Yes ✓ No
Sample Time: _____
Trip Blank Number: N/A
Organic CLP ID #: _____ **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals ✓ Cyanide ✓

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074 515.109.0331
Weather Conditions: Sunny, Warm
Well Sampled By: AKC & GDZ

Date: 5/15/03
Time: 0927

General Information

Well ID Number: OW6
Organic CLP ID #: Y0XJ8
Inorganic CLP ID #: MY0XJ8, MY0XN8
Initial Depth to Water (feet): 46.30 TD: 58.53
Final Depth to Water (feet): 46.45
PID Reading: ——

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature ~~(°C)~~ °F	ORP	Water Quality	Water Level (ft.)
0937	10	7.0	1786	2	1.62	69.1	33	clear	46.43
0940	20	6.9	1790	1	1.59	70.6	31	"	46.46
0945	30	6.9	1791	1	1.45	70.8	21	"	46.45
0948	40	6.8	1790	0	1.58	71.2	31	"	46.45
0951	50	6.8	1790	0	1.70	71.3	26	"	46.46
0954	60	6.8	1787	0	1.51	71.3	29	"	46.48
0957	70	6.8	1787	0	1.51	71.4	32	"	46.47
1001	80	6.8	1790	0	1.59	71.3	33	"	46.45
1004	90	6.8	1785	0	1.51	71.3	31	"	46.45
1006	95	6.8	1778	0	1.50	71.5	30	"	46.45

Sample Number: GW203-OW6-0048
Sample Time: 1010

Field Duplicate: ____ Yes ✓ No
Sample Time: _____
Field Duplicate Number: N/A
Organic CLP ID #: _____, **Inorganic CLP ID #:** _____
Equipment Blank: ____ Yes ✓ No
Equipment Blank Number: N/A
Organic CLP ID #: _____ **(VOC Only)**
MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ✓ Yes ____ No
Sample Time: 1000
Trip Blank Number: GW203-OW6-2003
Organic CLP ID #: 1000 **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals ✓ Cyanide ✓

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20079 515.009.0331 Date: 5/15/03
Weather Conditions: Sunny, Warm Time: 0710
Well Sampled By: AKC & GDZ

General Information

Well ID Number: OW7
Organic CLP ID #: YOX59
Inorganic CLP ID #: MYOX79, MYOXN9
Initial Depth to Water (feet): 76.70 (94.58 - TD) Final Depth to Water (feet): 82.37
PID Reading: 1.7

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature (°C) °F	ORP	Water Quality	Water Level (ft.)
0742	10	6.6	1523	7	1.81	68.1	47	clear	80.33
0749	20	6.8	1521	7	3.17	69.3	41	"	81.39
0756	30	6.8	1519	4	3.86	69.8	38	"	82.16
0804	40	6.8	1518	3	4.25	70.1	40	"	82.10
0811	50	6.8	1522	1	3.88	70.1	52	"	82.48
0819	60	6.8	1522	2	4.43	70.0	49	"	79.67
0825	70	6.8	1523	3	4.30	69.8	48	"	80.23
0831	80	6.8	1524	12	4.24	69.9	47	cloudy	82.36
0837	90	6.8	1521	39	4.38	69.7	45	"	82.53
0838	93	6.8	1519	41	4.28	69.8	42	"	82.53

Sample Number: GW203-OW7-0081 Sample Time: 0900

Field Duplicate: ____ Yes ✓ No Sample Time: _____
Field Duplicate Number: N/A **Organic CLP ID #:** _____, **Inorganic CLP ID #:** _____
Equipment Blank: ✓ Yes ____ No
Equipment Blank Number: GW203-OW7-4001 **Organic CLP ID #:** YOXK9 **(VOC Only)** (0730)
MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ____ Yes ✓ No Sample Time: _____
Trip Blank Number: N/A **Organic CLP ID #:** _____ **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

Field pH Verification:

Metals ✓ Cyanide ✓

OMEGA CHEMICAL SUPERFUND SITE
GROUNDWATER MONITORING WELL PURGING/SAMPLING FORM
2ND QUARTER GROUNDWATER SAMPLING

Project Location: Whitter and Santa Fe Springs

Work Order Number: 20074 515.009.0331

Date: 5/15/13

Weather Conditions: Cloudy, cool

Time: 1051

Well Sampled By: AKC & GDL

General Information

Well ID Number: OW8

Organic CLP ID #: YOXKO

Inorganic CLP ID #: MYOXKO, MYOXPO

Initial Depth to Water (feet): 67.14 TD: 79.65

Final Depth to Water (feet): 68.06

PID Reading: 102

Purging Field Parameters

Time	Volume (gal.)	pH	Conductivity (µS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature ~~(°C)~~ °F	ORP	Water Quality	Water Level (ft.)
1105	10	7.0	1730	10	2.36	71.5	-98	odor	69.00
1108	20	6.9	1704	2	2.76	72.1	-62	slight odor	67.80
1111	30	6.9	1720	2	2.68	72.1	-55	"	67.85
1114	40	6.9	1743	5	2.57	72.1	-66	"	67.86
1117	50	6.9	1749	2	2.90	72.0	-57	"	67.93
1120	60	6.8	1760	1	2.69	72.3	-51	"	68.00
1123	70	6.8	1763	1	2.70	72.1	-48	"	68.06
1124	75	6.8	1764	1	2.69	71.9	-47	"	68.06

Sample Number: GW203-OW8-0075

Sample Time: 1150

Field Duplicate: ____ Yes ✓ No

Sample Time: _____

Field Duplicate Number: N/A

Organic CLP ID #: _____, **Inorganic CLP ID #:** _____

Equipment Blank: ____ Yes ✓ No

Equipment Blank Number: N/A

Organic CLP ID #: _____ **(VOC Only)**

MS/MSD Sample Volume: ____ Yes ✓ No

Trip Blank: ____ Yes ✓ No

Sample Time: _____

Trip Blank Number: N/A

Organic CLP ID #: _____ **(VOC Only)**

Laboratory Analyses

(3) 40-mL Glass VOA Vials w/HCl - VOCs

(2) L-Amber Bottles - 1, 4-Dioxane

(1) L-Polyethylene Bottles w/NaOH - Total Cyanide

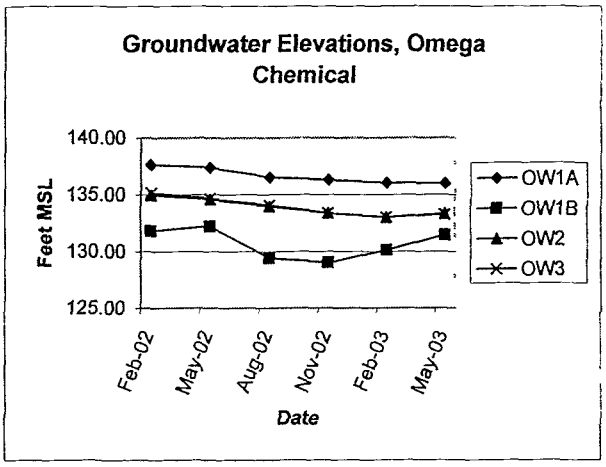
(1) L-Polyethylene Bottle w/HNO_3 - Total TAL Metals

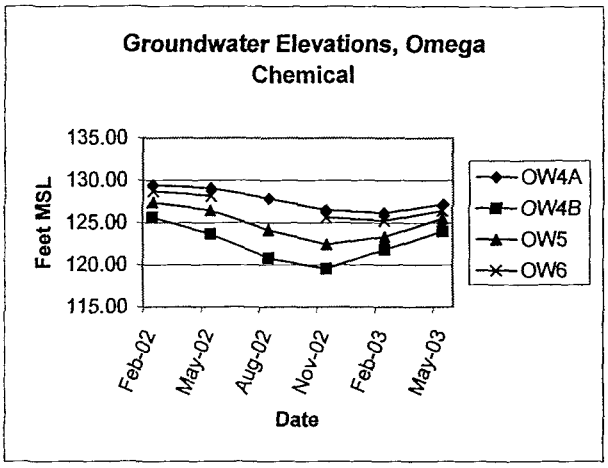
(1) L-Polyethylene Bottle w/HNO_3 - Dissolved TAL Metals **(Filtered)**

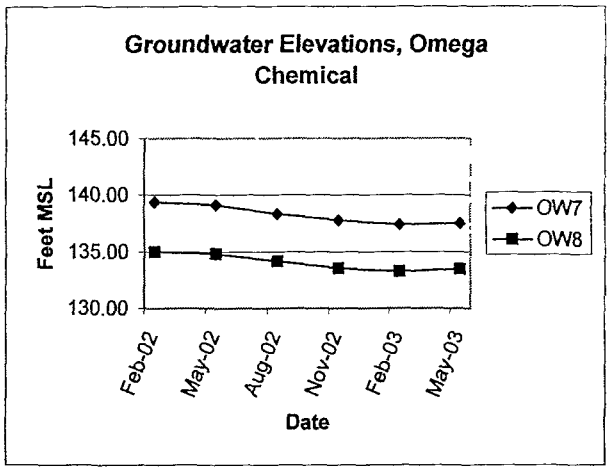
Field pH Verification:

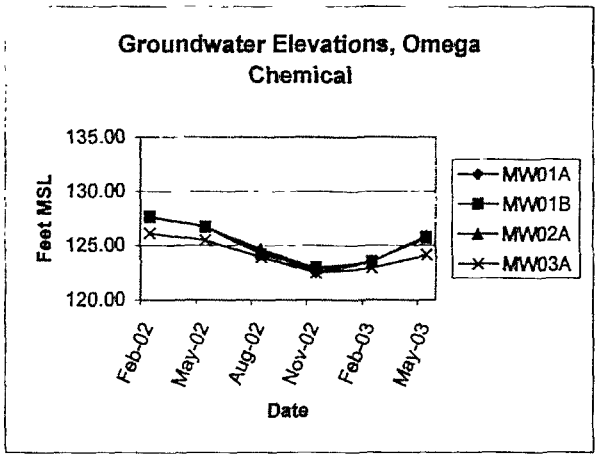
Metals ✓ Cyanide ✓

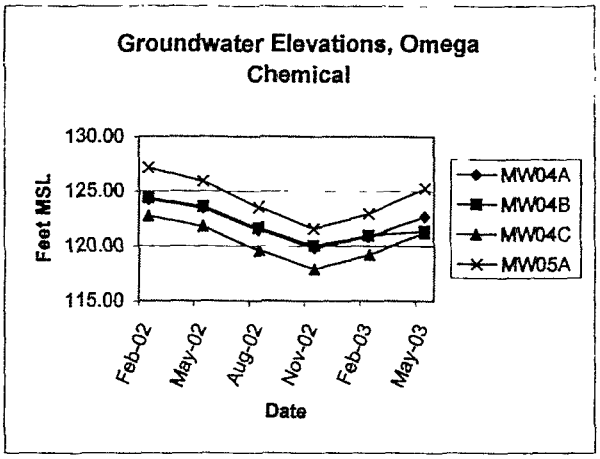
APPENDIX F
GROUNDWATER ELEVATION TREND CHARTS

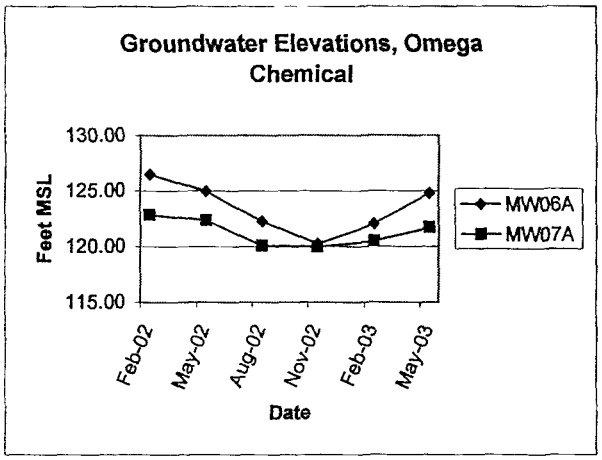

Groundwater Elevations, Omega Chemical
140.00
135.00
130.00
125.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Date
OW1A
OW1B
OW2
OW3

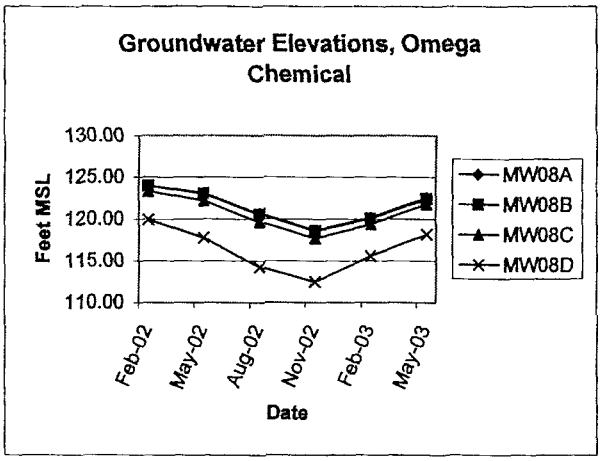

Groundwater Elevations, Omega Chemical
135.00
130.00
125.00
120.00
115.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Date
OW4A
OW4B
OW5
OW6

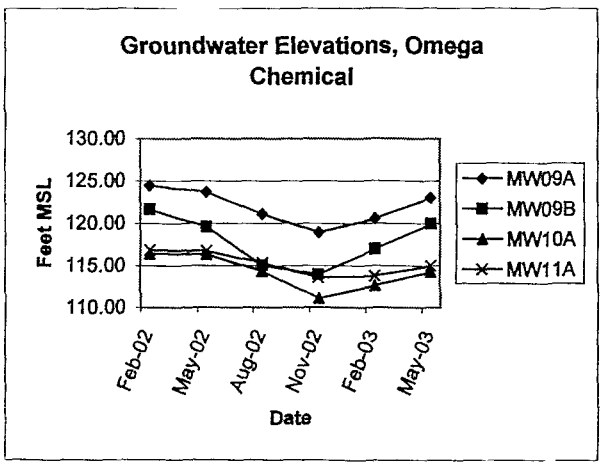

Groundwater Elevations, Omega Chemical
145.00
140.00
135.00
130.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Date
OW7
OW8


Groundwater Elevations, Omega Chemical
135.00
130.00
125.00
120.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Date
MW01A
MW01B
MW02A
MW03A

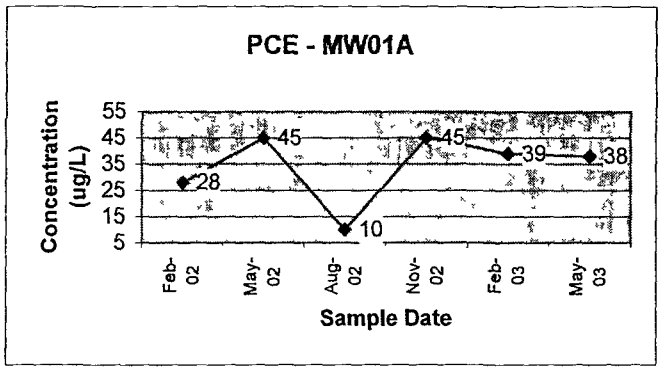

Groundwater Elevations, Omega Chemical
130.00
125.00
120.00
115.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Date
MW04A
MW04B
MW04C
MW05A

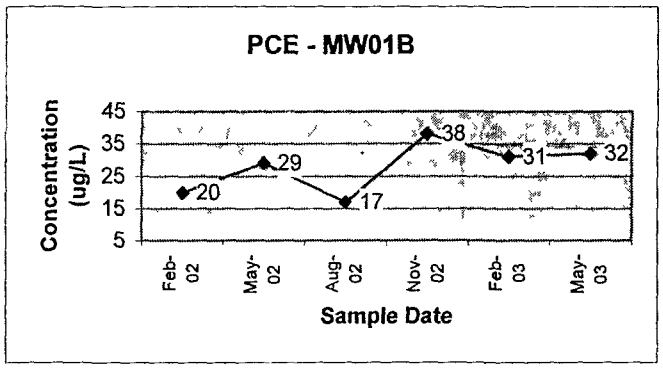

Groundwater Elevations, Omega Chemical
130.00
125.00
120.00
115.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Date
MW06A
MW07A

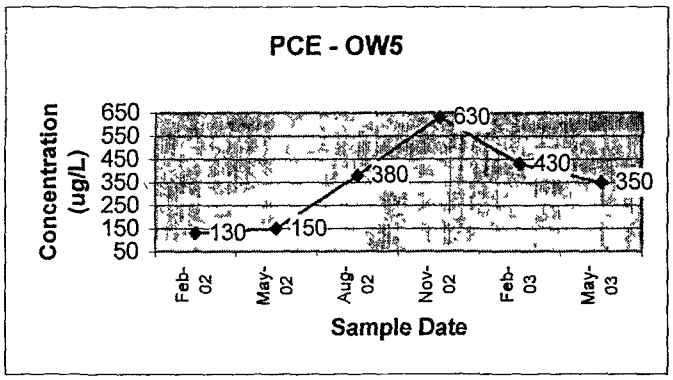

Groundwater Elevations, Omega Chemical
130.00
125.00
120.00
115.00
110.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Date
MW08A
MW08B
MW08C
MW08D

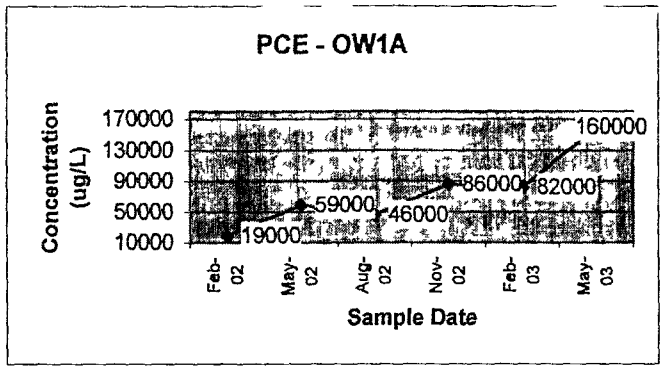

Groundwater Elevations, Omega Chemical
130.00
125.00
120.00
115.00
110.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Date
MW09A
MW09B
MW10A
MW11A

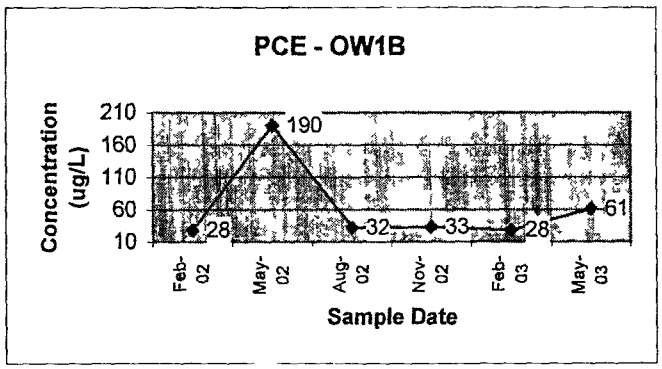
APPENDIX G
PCE AND TCE CONCENTRATION TREND CHARTS

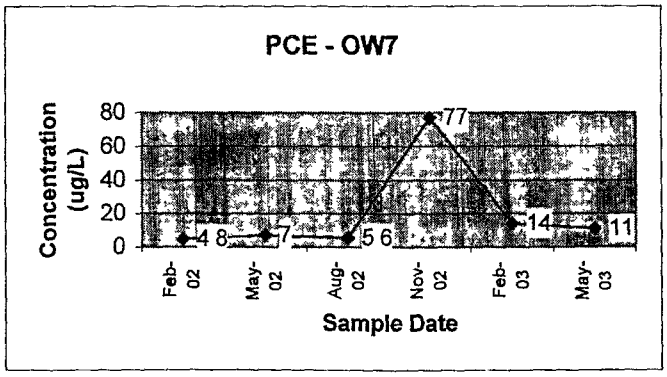

PCE - MW01A
Concentration (ug/L)
55
45
35
25
15
5
28
45
10
45
39
38
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

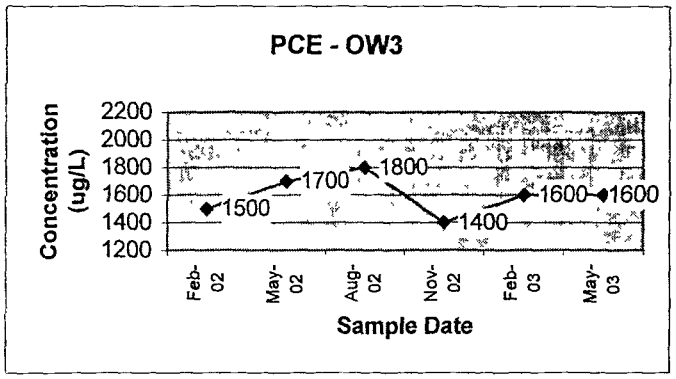

PCE - MW01B
Concentration (ug/L)
45
35
25
15
5
20
29
17
38
31
32
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

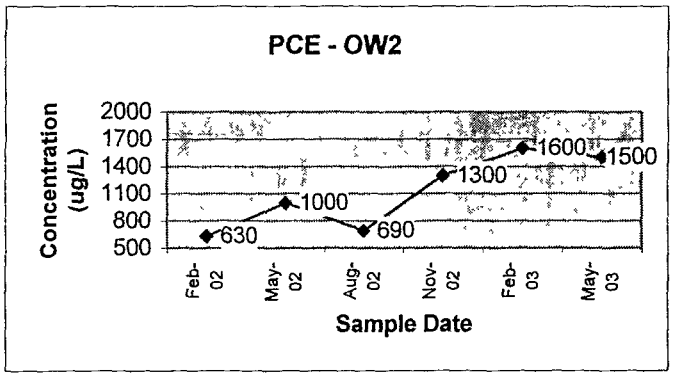

PCE - OW5
Concentration (ug/L)
650
550
450
350
250
150
50
130
150
380
630
430
350
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

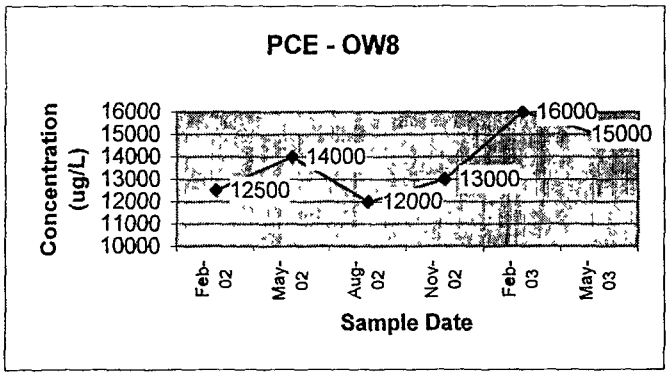

PCE - OW1A
Concentration (ug/L)
170000
130000
90000
50000
10000
19000
59000
46000
86000
182000
160000
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

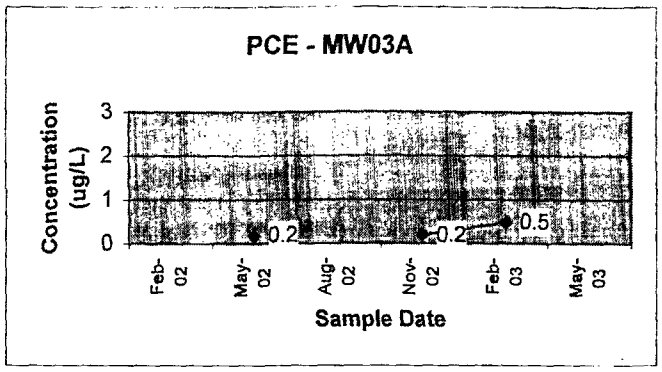

PCE - OW1B
Concentration (ug/L)
210
160
110
60
10
28
190
32
33
28
61
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

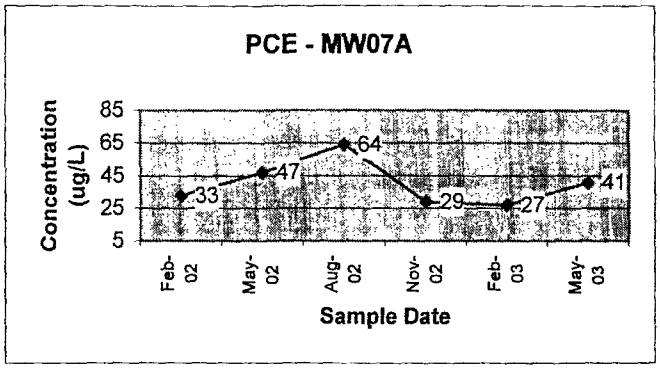

PCE - OW7
Concentration (ug/L)
80
60
40
20
0
4
8
7
5
6
77
14
11
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

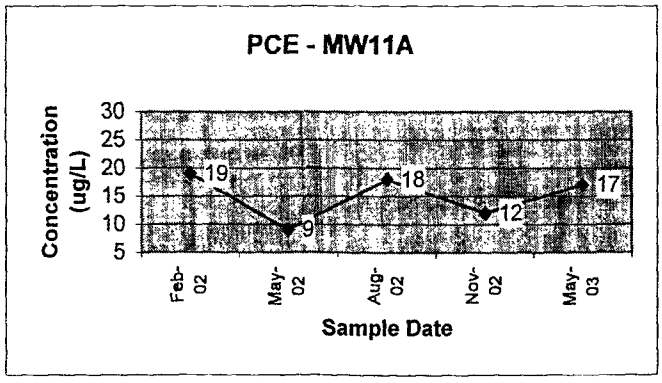

PCE - OW3
Concentration (ug/L)
2200
2000
1800
1600
1400
1200
1500
1700
1800
1400
1600
1600
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

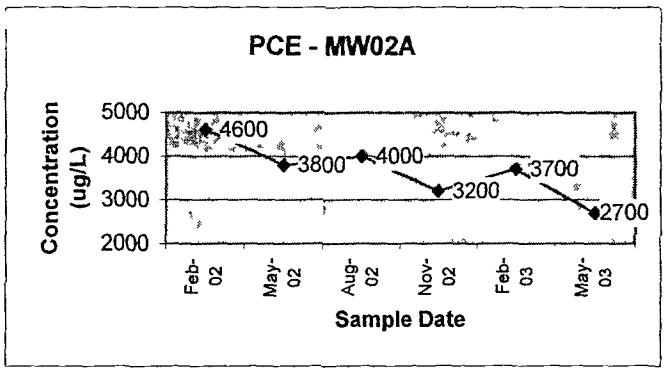

PCE - OW2
Concentration (ug/L)
2000
1700
1400
1100
800
500
630
1000
690
1300
1600
1500
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

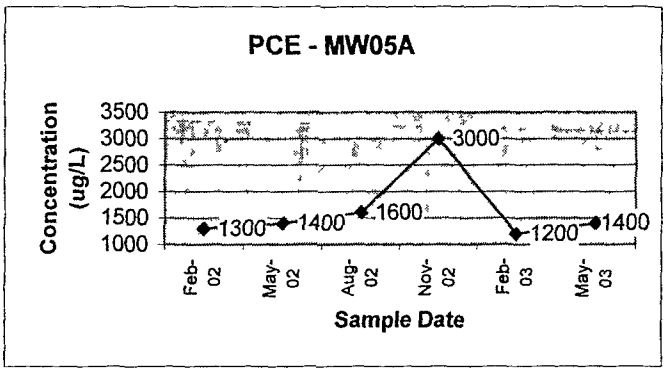

PCE - OW8
Concentration (ug/L)
16000
15000
14000
13000
12000
11000
10000
12500
14000
12000
13000
16000
15000
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

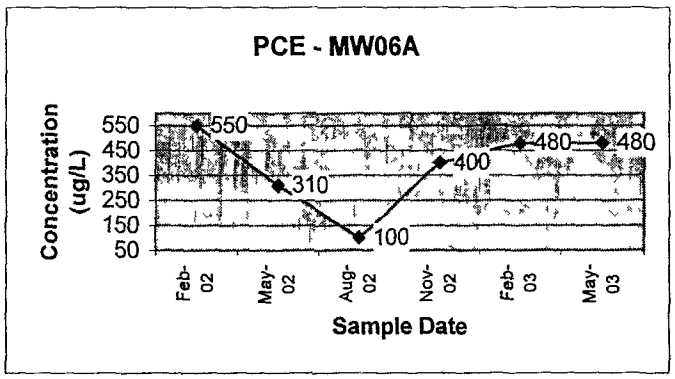

PCE - MW03A
Concentration (ug/L)
3
2
1
0
0.2
0.2
0.5
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

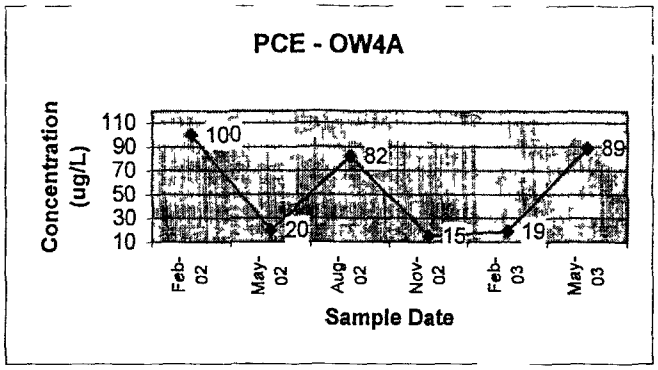

PCE - MW07A
Concentration (ug/L)
85
65
45
25
5
33
47
64
29
27
41
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

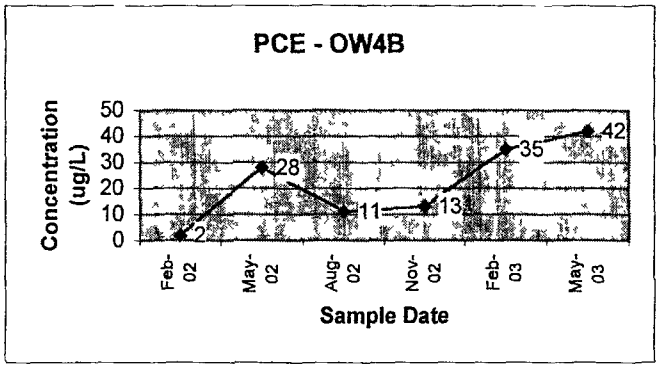

PCE - MW11A
Concentration (ug/L)
30
25
20
15
10
5
19
9
18
12
17
Feb-02
May-02
Aug-02
Nov-02
May-03
Sample Date

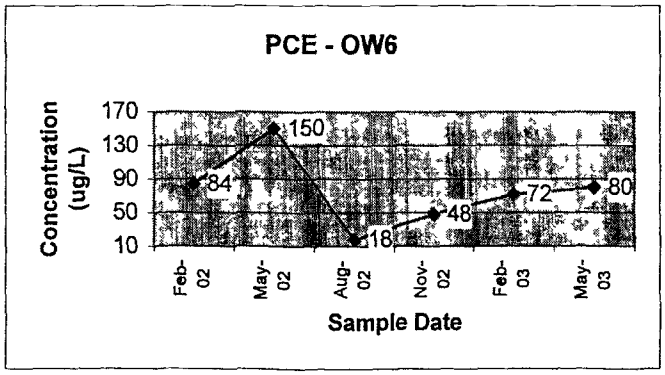

PCE - MW02A
Concentration (ug/L)
5000
4000
3000
2000
4600
3800
4000
3200
3700
2700
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

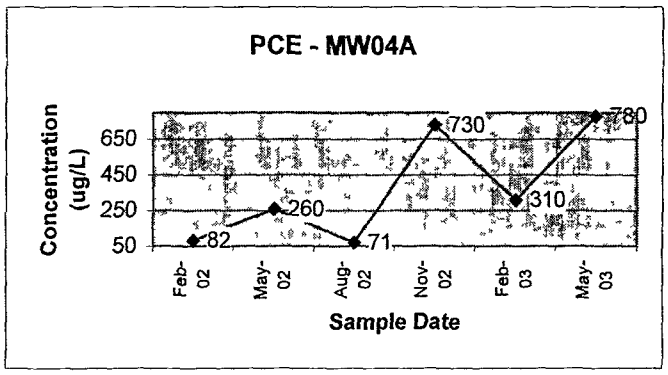

PCE - MW05A
Concentration (ug/L)
3500
3000
2500
2000
1500
1000
1300
1400
1600
3000
1200
1400
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

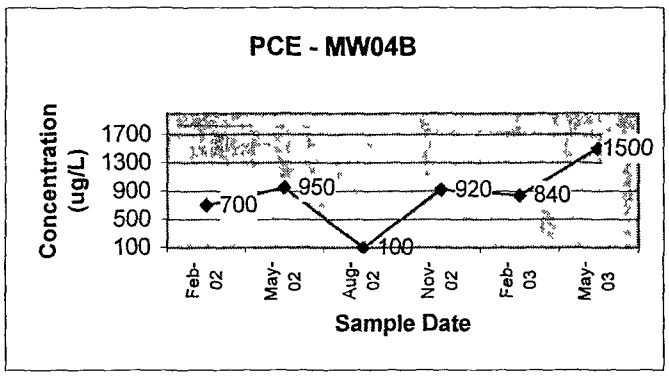

PCE - MW06A
Concentration (ug/L)
550
450
350
250
150
50
550
310
100
400
480
480
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

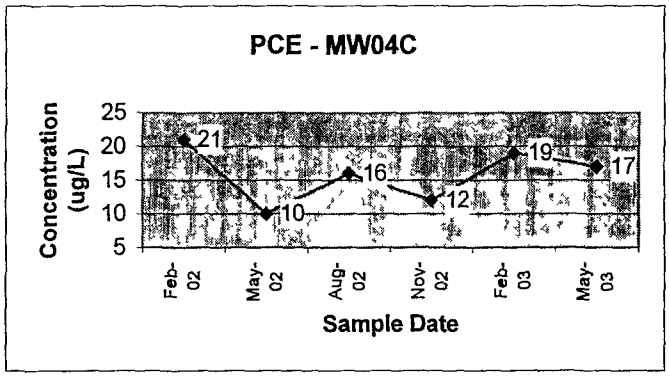

PCE - OW4A
Concentration (ug/L)
110
90
70
50
30
10
100
20
82
15
19
89
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

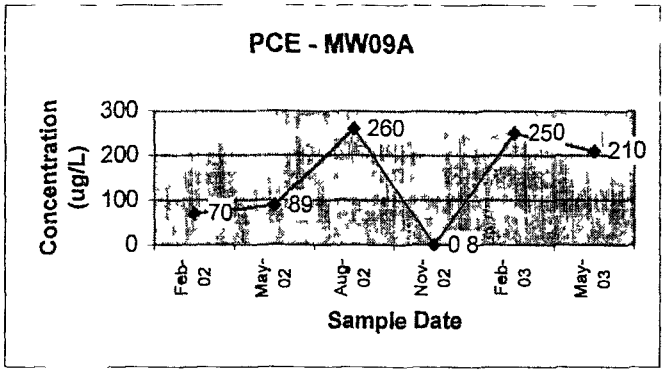

PCE - OW4B
Concentration (ug/L)
50
40
30
20
10
0
2
28
11
13
35
42
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

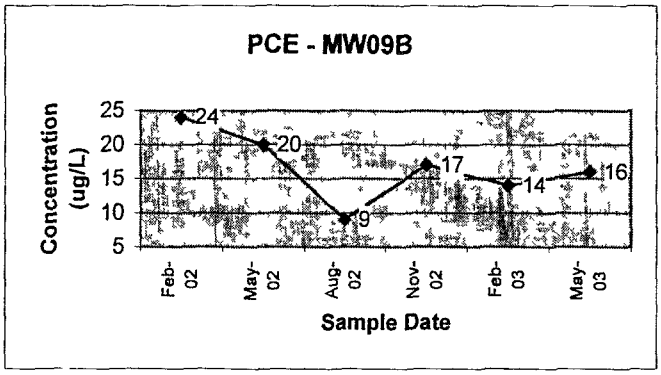

PCE - OW6
Concentration (ug/L)
170
130
90
50
10
84
150
18
48
72
80
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

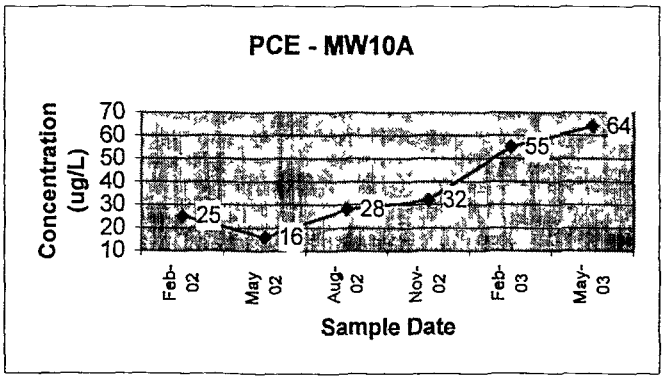

PCE - MW04A
Concentration (ug/L)
650
450
250
50
82
260
71
730
310
780
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

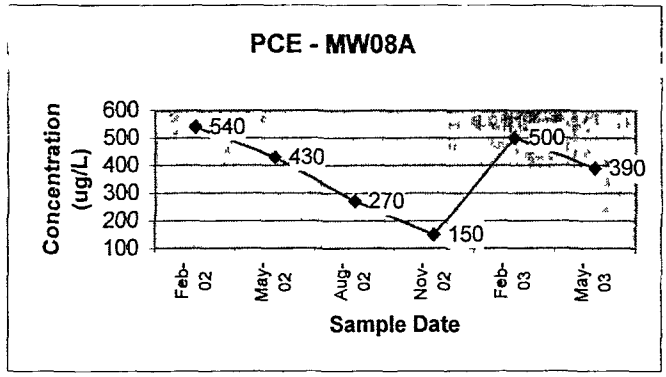

PCE - MW04B
Concentration (ug/L)
1700
1300
900
500
100
700
950
100
920
840
1500
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

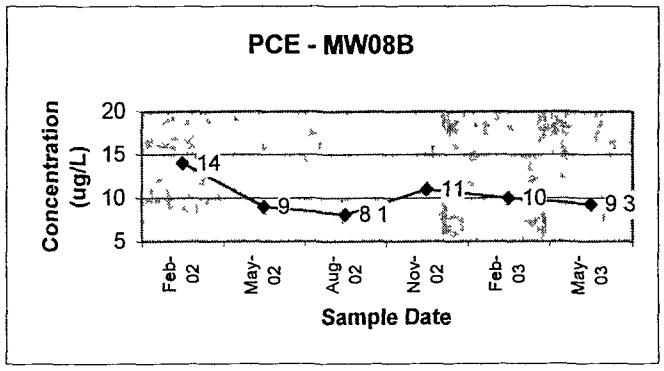

PCE - MW04C
Concentration (ug/L)
25
20
15
10
5
21
10
16
12
19
17
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

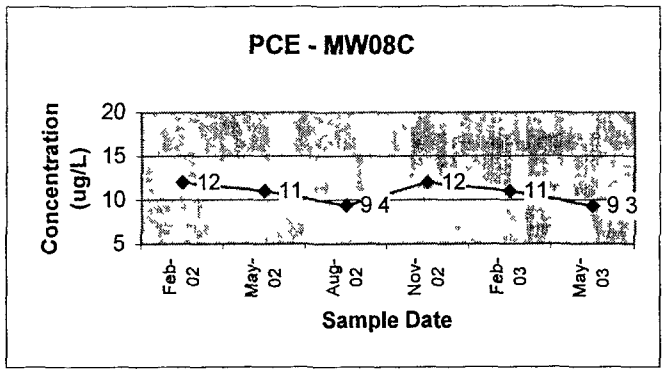

PCE - MW09A
Concentration (ug/L)
300
200
100
0
70
89
260
0
8
250
210
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

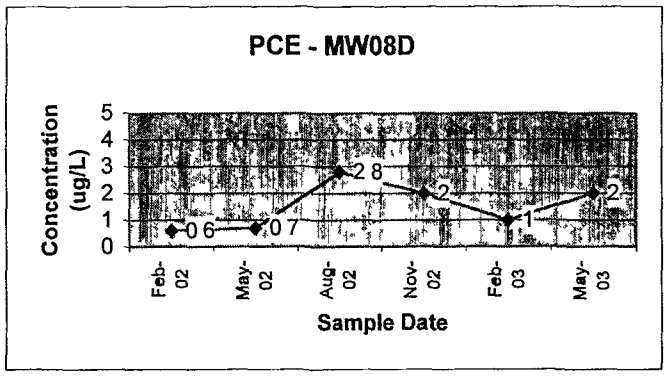

PCE - MW09B
Concentration (ug/L)
25
20
15
10
5
24
20
9
17
14
16
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

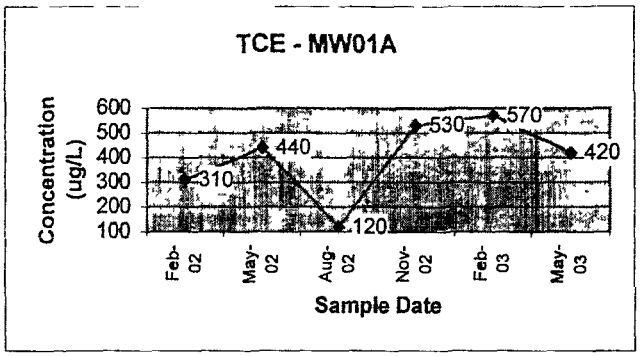

PCE - MW10A
Concentration (ug/L)
70
60
50
40
30
20
10
25
16
28
32
55
64
Feb-02
May 02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

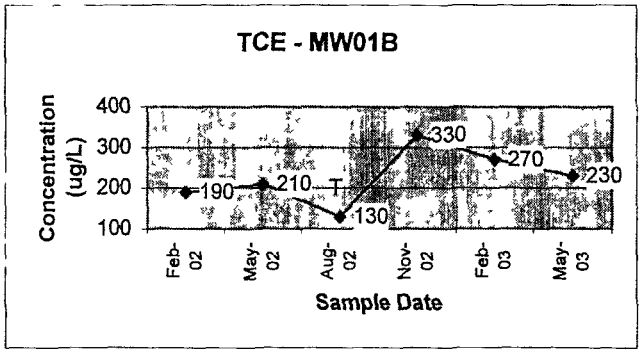

PCE - MW08A
Concentration (ug/L)
600
500
400
300
200
100
540
430
270
150
500
390
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

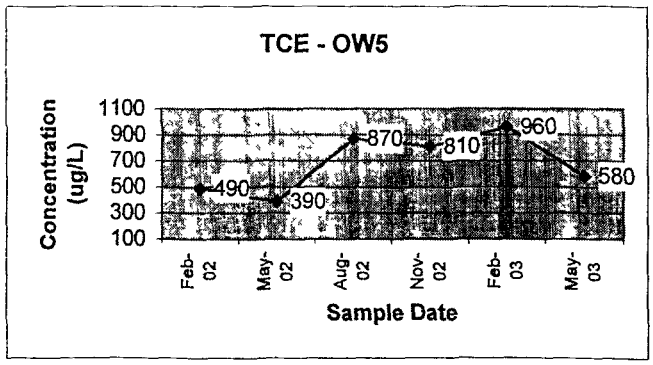

PCE - MW08B
Concentration (ug/L)
20
15
10
5
14
9
8 1
11
10
9 3
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

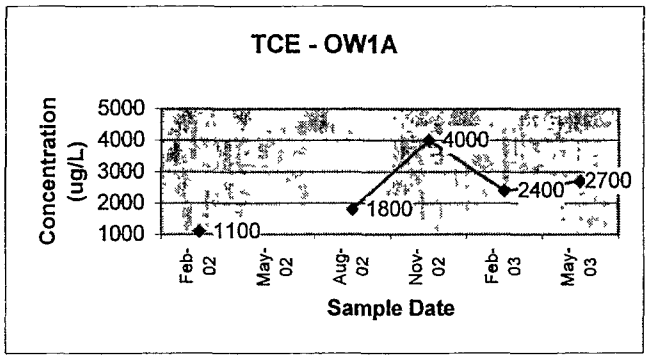

PCE - MW08C
Concentration (ug/L)
20
15
10
5
12
11
9 4
12
11
9 3
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

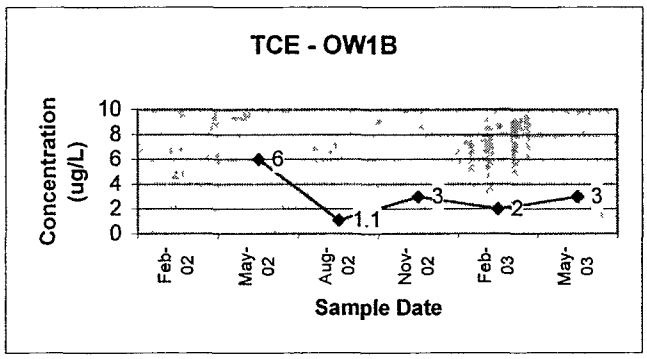

PCE - MW08D
Concentration (ug/L)
5
4
3
2
1
0
0 6
0 7
2 8
2
1
2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

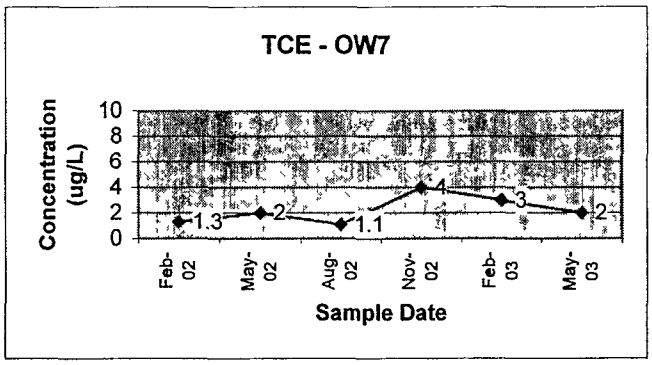

TCE - MW01A
Concentration (ug/L)
600
500
400
300
200
100
310
440
120
530
570
420
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

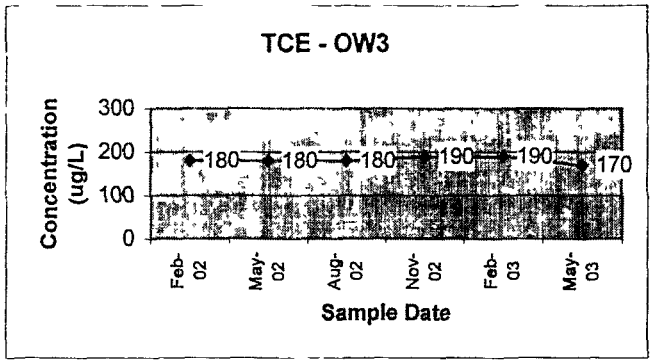

TCE - MW01B
Concentration (ug/L)
400
300
200
100
190
210
T
130
330
270
230
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

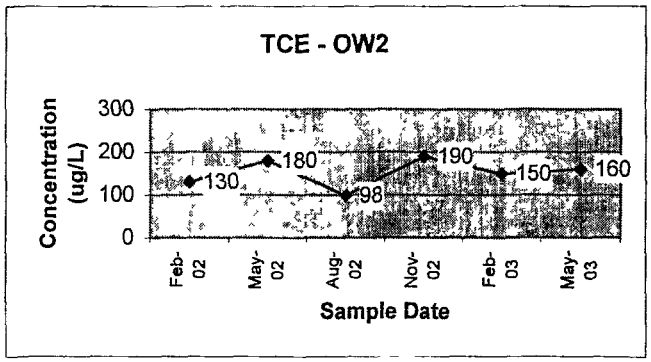

TCE - OW5
Concentration (ug/L)
1100
900
700
500
300
100
490
390
870
810
960
580
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

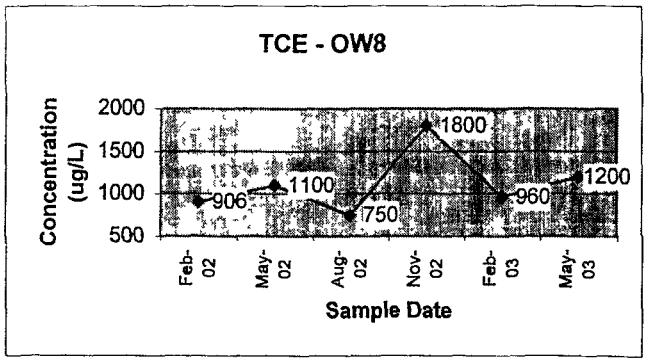

TCE - OW1A
Concentration (ug/L)
5000
4000
3000
2000
1000
1100
1800
4000
2400
2700
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

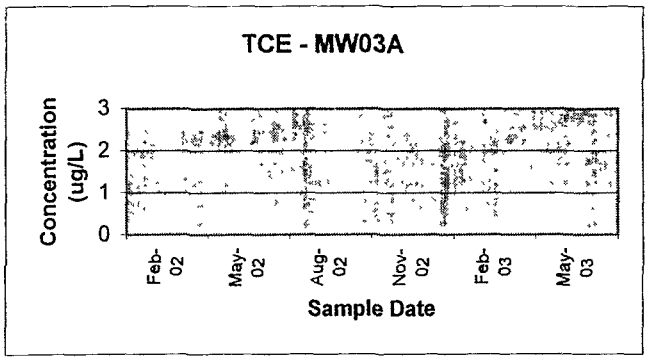

TCE - OW1B
Concentration (ug/L)
10
8
6
4
2
0
6
1.1
3
2
3
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

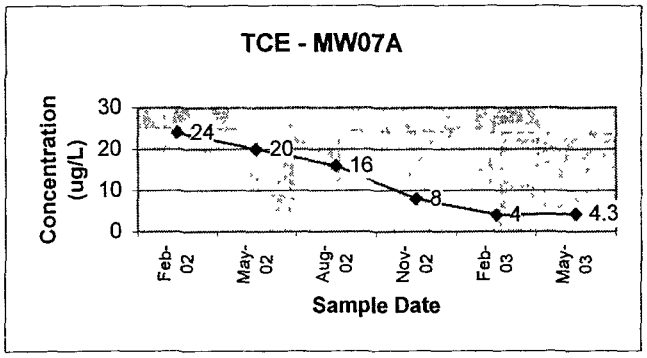

TCE - OW7
Concentration (ug/L)
10
8
6
4
2
0
1.3
2
1.1
4
3
2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

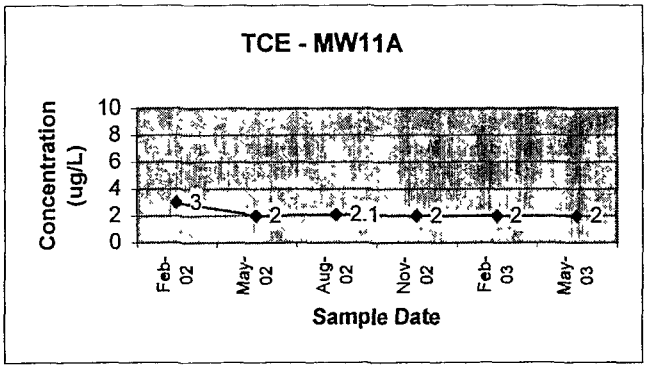

TCE - OW3
Concentration (ug/L)
300
200
100
0
180
180
180
190
190
170
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

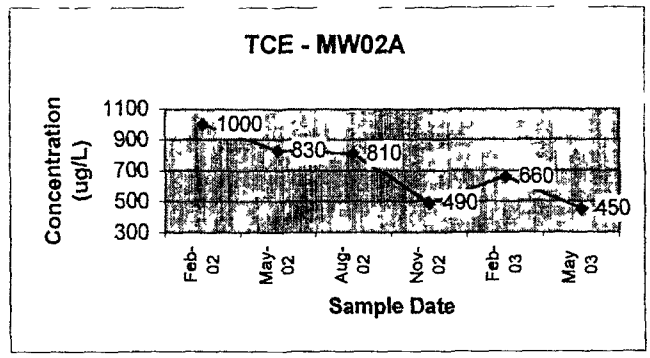

TCE - OW2
Concentration (ug/L)
300
200
100
0
130
180
98
190
150
160
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

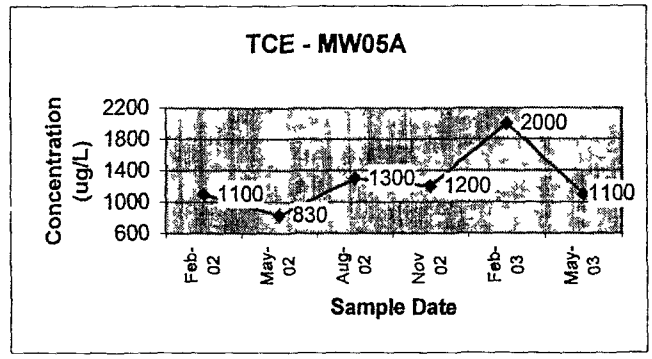

TCE - OW8
Concentration (ug/L)
2000
1500
1000
500
906
1100
750
1800
960
1200
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

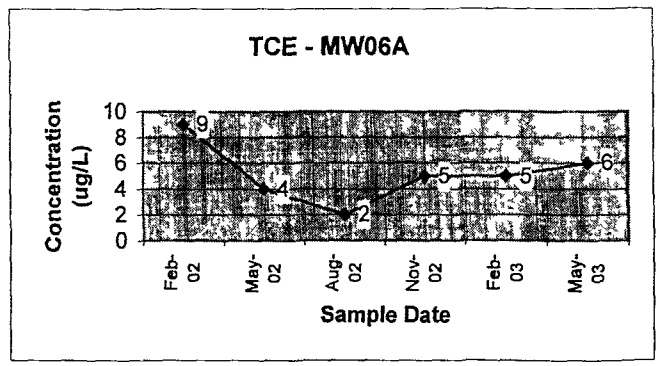

TCE - MW03A
Concentration (ug/L)
3
2
1
0
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

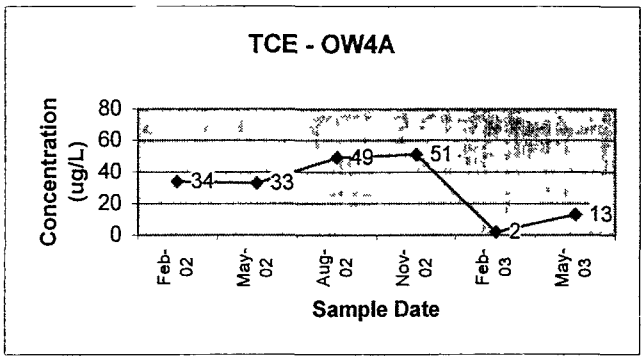

TCE - MW07A
Concentration (ug/L)
30
20
10
0
24
20
16
8
4
4.3
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

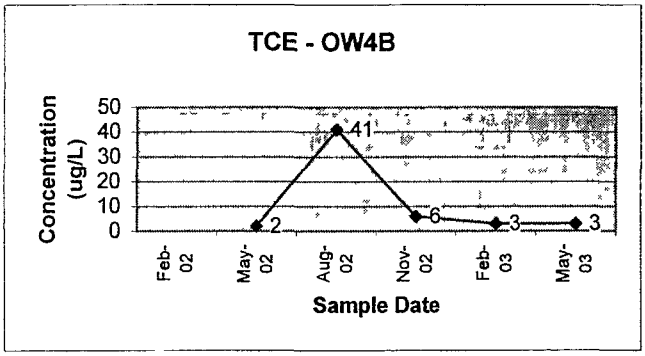

TCE - MW11A
Concentration (ug/L)
10
8
6
4
2
0
3
2
2.1
2
2
2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

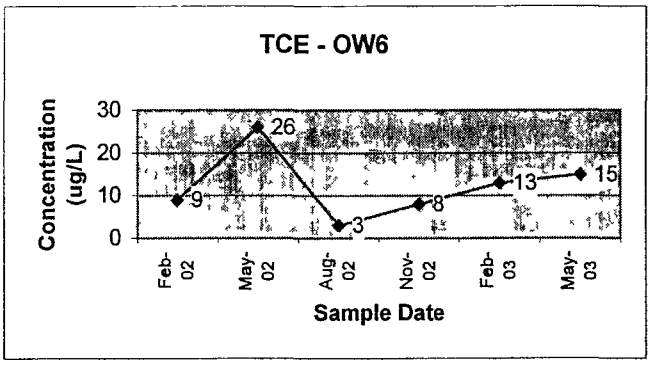

TCE - MW02A
Concentration (ug/L)
1100
900
700
500
300
1000
830
810
490
660
450
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May 03
Sample Date

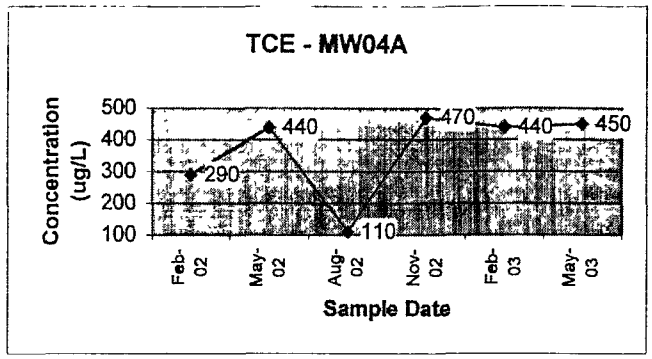

TCE - MW05A
Concentration (ug/L)
2200
1800
1400
1000
600
1100
830
1300
1200
2000
1100
Feb-02
May-02
Aug-02
Nov 02
Feb-03
May-03
Sample Date

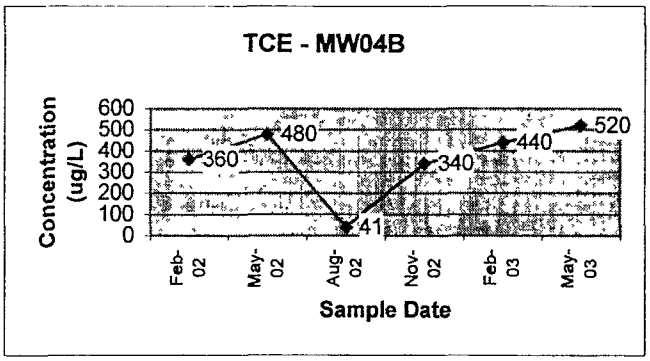

TCE - MW06A
Concentration (ug/L)
10
8
6
4
2
0
9
4
2
5
5
6
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

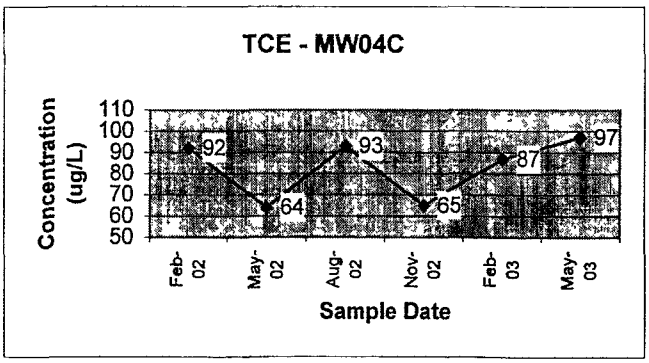

TCE - OW4A
Concentration (ug/L)
80
60
40
20
0
34
33
49
51
2
13
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

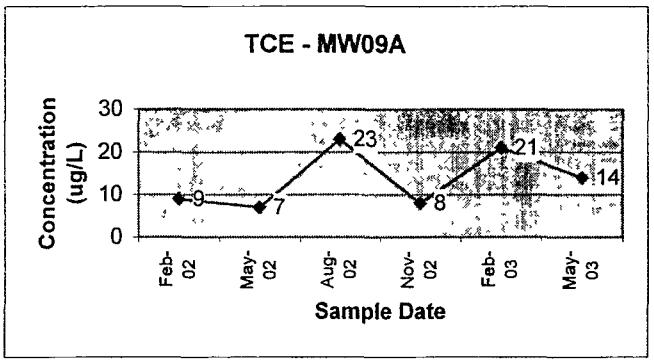

TCE - OW4B
Concentration (ug/L)
50
40
30
20
10
0
2
41
6
3
3
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

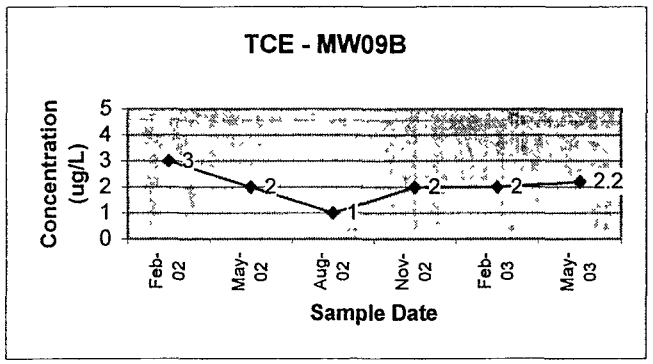

TCE - OW6
Concentration (ug/L)
30
20
10
0
9
26
3
8
13
15
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

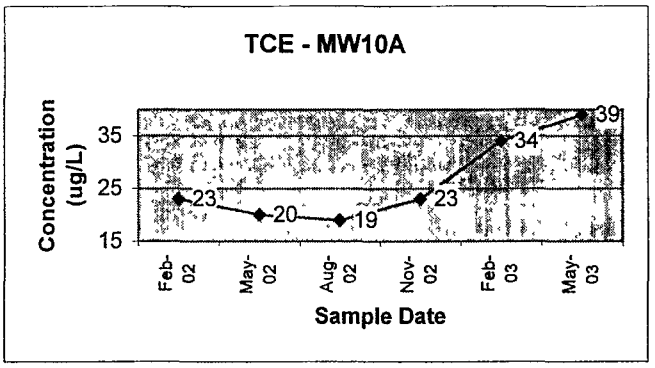

TCE - MW04A
Concentration (ug/L)
500
400
300
200
100
290
440
110
470
440
450
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

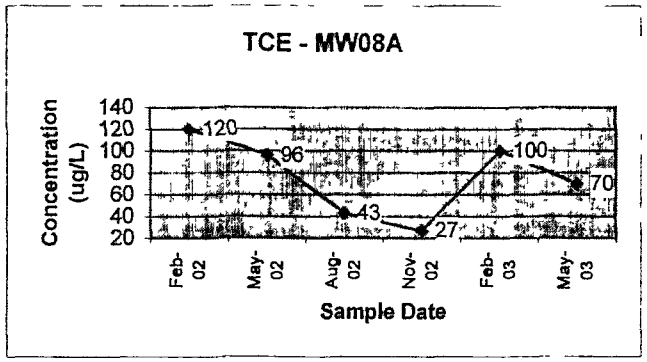

TCE - MW04B
Concentration (ug/L)
600
500
400
300
200
100
0
360
480
41
340
440
520
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

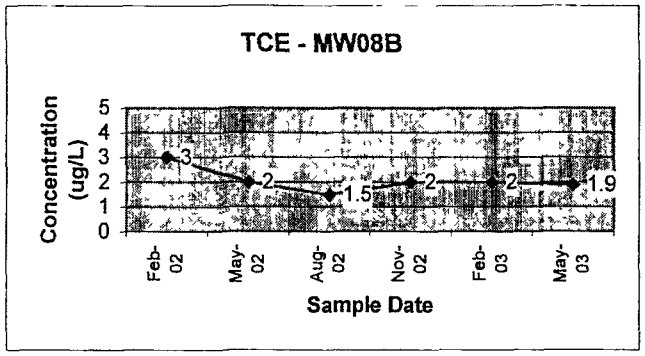

TCE - MW04C
Concentration (ug/L)
110
100
90
80
70
60
50
92
64
93
65
87
97
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

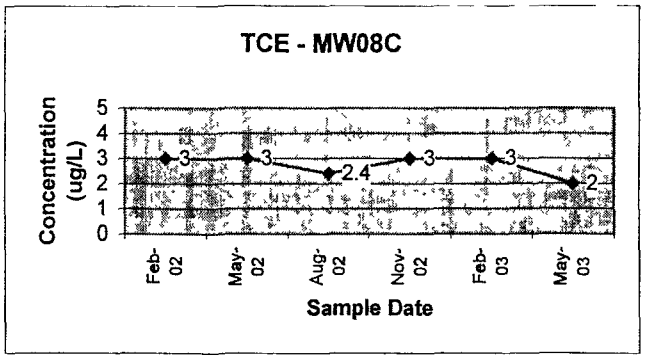

TCE - MW09A
Concentration (ug/L)
30
20
10
0
9
7
23
8
21
14
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date

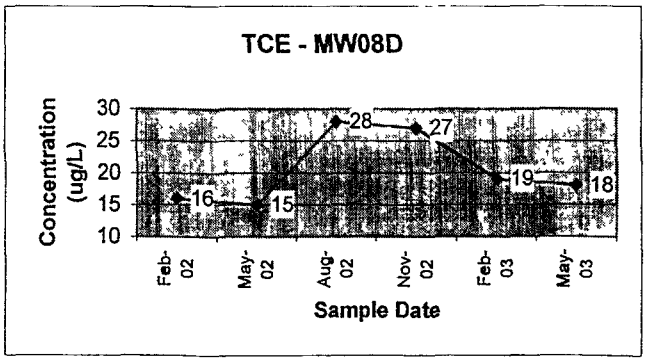

TCE - MW09B
Concentration (ug/L)
5
4
3
2
1
0
3
2
1
2
2
2.2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date


TCE - MW10A
Concentration (ug/L)
35
25
15
23
20
19
23
34
39
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date


TCE - MW08A
Concentration (ug/L)
140
120
100
80
60
40
20
120
96
43
27
100
70
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date


TCE - MW08B
Concentration (ug/L)
5
4
3
2
1
0
3
2
1.5
2
2
1.9
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date


TCE - MW08C
Concentration (ug/L)
5
4
3
2
1
0
3
3
2.4
3
3
2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date


TCE - MW08D
Concentration (ug/L)
30
25
20
15
10
16
15
28
27
19
18
Feb-02
May-02
Aug-02
Nov-02
Feb-03
May-03
Sample Date