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WESTON SOLUTIONS, INC.

# OMEGA CHEMICAL SUPERFUND SITE
# WHITTIER, CALIFORNIA

## FIRST QUARTER 2003
## GROUNDWATER MONITORING REPORT

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## 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 February 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 February 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, conducted in February and August. When CDM performs sampling of the ten OPOG monitoring wells, WESTON collects split samples from the OPOG wells at the same time. WESTON samples the 18 wells in the area 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. OW1A).

## 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 Reports (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 first quarter 2003 (February) groundwater sampling. Groundwater samples were analyzed for combinations of volatile organic compounds (VOCs), total target analyte list (TAL) metals, dissolved TAL metals, cyanide, perchlorate, methane, ethane, and ethene, and conventional water quality parameters including total dissolved solids (TDS), alkalinity, chloride, sulfate, sulfide, total nitrogen (as nitrate + nitrite), and total organic carbon (TOC). In addition, samples from selected wells (MW02A, MW04A, MW04B, MW05A, MW06A, MW08A, MW10A, OW1A, OW1B, OW4A, OW5, OW6, and OW8) were analyzed for 1,4-dioxane. Based on consistent non-detections or spotty low concentration detections for semi-volatile organic compounds (SVOCs), pesticides, and polychlorinated biphenyls (PCBs), sampling for these analytes has been discontinued.

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, cyanide, and 1,4-dioxane were analyzed via the EPA Contract Laboratory Program (CLP). Perchlorate and conventional water quality parameters were analyzed by the EPA Region IX Richmond Laboratory. Analysis for methane, ethane, and ethene was performed by EMAX under contract to Region IX EPA. Data validation was conducted by QAMS. All analytes received Tier 1A level validation. For CLP data, automated Tier 1A validation was completed using CADRE software. Final flag data reports for CLP analytes, and data reports for perchlorate, methane/ethane/ethene, and conventional water quality parameters are included in Appendix C. 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. Following

completion of the low-flow purge, the flow-through vessel was disconnected and samples were collected through the dedicated tubing.

CDM 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, ORP, and turbidity. The wells were purged at rates of approximately 0.2 to 5 gallons per minute (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 was 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 all of the EPA OU-02 wells and eight of the OPOG wells was measured on 17 February 2003. Due to inaccessibility to two of the wells on that date, water levels were measured at those locations during sampling on subsequent days. 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, a surveyed correction of +2.2 feet has been applied to the top of casing (toc) elevation for the OPOG wells. This value also provides close agreement in water level elevation 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 30 to 77 feet below ground surface (bgs), whereas farther downgradient approaching Santa Fe Springs, water occurs as shallow as approximately 23 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 0.010 ft./ft. Toward the vicinity of Rivera Road and Washington Blvd., the gradient flattens considerably, to 0.0009 ft./ft. toward the southwest. Farther southwest, the gradient is approximately 0.0035 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.

## Table 2: First 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 | 34.68 | 45 | 123.53 | 0.97 |
| MW01B | 158.09 | 34.56 | 75 | 123.53 | 0.54 |
| MW02A | 154.74 | 31.18 | 45 | 123.56 | 0.7 |
| MW03A | 151.99 | 29.05 | 37.7 | 122.94 | 0.46 |
| MW04A | 147.20 | 26.37 | 42.7 | 120.83 | 1.02 |
| MW04B | 147.23 | 26.27 | 69.7 | 120.96 | 0.95 |
| MW04C | 147.10 | 27.9 | 88.7 | 119.20 | 1.31 |
| MW05A | 151.57 | 28.63 | 43.3 | 122.94 | 1.34 |
| MW06A | 150.63 | 28.59 | 37.1 | 122.04 | 1.8 |
| MW07A | 143.65 | 23.15 | 35.7 | 120.50 | 0.53 |
| MW08A | 150.25 | 30.07 | 30 | 120.18 | 1.55 |
| MW08B | 150.11 | 30.06 | 65 | 120.05 | 1.49 |
| MW08C | 150.14 | 30.78 | 86.7 | 119.36 | 1.69 |
| MW08D | 150.02 | 34.47 | 110 | 115.55 | 3.07 |
| MW09A | 149.37 | 28.82 | 25 | 120.55 | 1.65 |
| MW09B | 149.34 | 32.37 | 49.7 | 116.97 | 3.03 |
| MW10A | 147.71 | 35.07 | 52 | 112.64 | 1.52 |
| MW11A | 151.20 | 37.43 | 40 | 113.77 | 0.18 |
| OW-1A | 212.50* | 76.44 | 62.5 | 136.06 | -0.24 |
| OW-1B | 207.18* | 77.04 | 110 | 130.14 | 1.11 |
| OW-2 | 202.30* | 69.28 | 60 | 133.02 | -0.37 |
| OW-3 | 198.53* | 65.5 | 63 | 133.03 | -0.36 |
| OW-4A | 184.67* | 58.51 | 49.8 | 126.16 | -0.36 |
| OW-4B | 184.42* | 62.61 | 112 | 121.81 | 2.27 |
| OW-5 | 154.16* | 30.82 | 30 | 123.34 | 0.91 |
| OW-6 | 172.74* | 47.49 | 38 | 125.25 | -0.38 |
| OW-7 | 214.21* | 76.8 | 70.9 | 137.41 | -0.35 |
| OW-8 | 200.62* | 67.36 | 60.4 | 133.26 | -0.29 |

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

A slight net upward gradient is indicated between the intervals screened in MW04B and MW04A, where two sands are separated by a silt interval at least five feet in thickness. Groundwater elevation in MW04B was 0.13 feet higher than in MW04A, which is consistent with the previous quarter. Higher contaminant concentrations are also reported from MW04B. A downward vertical gradient is suggested between MW04B and MW04C, based on a 1.76-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 levels in progressively deeper-screened wells indicate a consistent downward vertical gradient. Differences between MW08A, MW08B, and MW08C were relatively small (0.71 feet between MW08A and MW08C), but groundwater elevation in MW08D during the first quarter 2003 was 4.4 feet lower than in MW08A. Most contaminant concentrations decrease sharply with screen depth at this location, but reported trichloroethene (TCE) concentrations in MW08D are higher than in MW08B and 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. Most contaminant concentrations are lower in deeper wells.

Groundwater levels rose in all of the EPA monitoring wells between the fourth quarter 2002 and the first quarter 2003. Groundwater levels declined in all but three of the OPOG monitoring wells. The differences in elevation in the EPA wells were typically about one foot between quarters, but an increase in groundwater elevation of more than three feet was observed at MW08D and MW09B. Decrease in groundwater elevations in the OPOG wells was typically about one-third of a foot, but groundwater elevations at deeper wells OW1B and OW4B rose more than one foot and two feet, respectively. 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. The relative yield of wells purged using a submersible pump can also be observed.

Temperatures ranged from 18.3 to 23.6 degrees Celsius. Values for pH ranged from approximately 6.3 to 7.6. Conductivity values in most wells ranged from about 970 to 2,110 umohs/cm, although 2,555 umohs/cm was observed at MW07A. Turbidity was not monitored quantitatively for the MW wells, but ranged from 1 NTUs to over 1,000 NTUs for the OPOG wells. DO ranged from less than 1 mg/L to approximately 9.3 mg/L. ORP ranged from approximately 1 to 221 millivolts (mV) at most locations. However, negative ORP values were observed at completion of purging at wells OW1A, OW1B, OW3, OW4A, OW8, and MW08C. Negative ORP values or low DO concentrations may indicate the occurrence of relatively anoxic or reducing conditions at those locations..

Well OW1B, located near the southwest side of the Omega site, pumped dry after about 52 gallons at a purge rate of approximately 0.5 gpm. The water level was allowed to recover in this well before sample collection. Upgradient well OW7 was able to sustain an approximate 1.3 gpm rate through a 98-gallon purge. Wells OW2, OW3, and OW8 were purged at 2 gpm, 2 gpm, and 3 gpm, respectively, and did not dewater. The

remaining OW wells farther downgradient were purged at a rate of approximately 5 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 validated data reports are presented in Appendices A and C, with a statistical summary in Appendix B.

### 2.4.1 Volatile Organic Compounds (VOCs)

Groundwater samples collected during the February 2003 quarterly sampling event were analyzed for VOCs using EPA CLP Analytical Services (CLPAS) Method OLC03.2 for low-level volatiles and Method OLM04.2 for higher concentration 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 some lower concentration analytes that might be present in some samples, and detections in fewer locations than the more prevalent high concentration compounds.

VOCs with reported concentrations (including estimated, J-flagged values) meeting or exceeding California Maximum Contaminant Levels (MCLs) in at least one well were benzene; 1,1-dichloroethene (1,1-DCE); cis-1,2-dichloroethene (cis-1,2-DCE); trans-1,2-dichloroethene (trans-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 "J" superscript is a data validation flag indicating an estimated value. Commonly, the "J" qualifier is assigned to concentration values detected below the stated reporting limit.

The highest concentrations of PCE, TCE, Freon 113, Freon 11, 1,1-DCE, and 1,1,1-TCA 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 approximately 3,075 feet downgradient of the Omega site in well OW5 (110 ug/L). The highest concentration of benzene was detected in wells MW05A ($1^J$ ug/L) and OW5 ($1^J$ ug/L), located approximately 3,900 feet and 3,075 feet downgradient of the Omega site, respectively. The highest concentration of MTBE was detected in well OW6 (66 ug/L), located approximately 1,650 feet downgradient..

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

# Table 3: First Quarter 2003 Sample Analysis Matrix

| Sample ID | VOCs | Total Metals + CN | Dissolved Metals | 1,4-Dioxane | Perchlorate | TDS, Alkalinity | Anions Cl- and SO4= | Anion S- | Nitrate + Nitrite | TOC | M.E.E. | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GW103-MW01A-0055 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-MW01A-2006 | X | | | | | | | | | | | Trip Blank |
| GW103-MW01B-0080 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-MW01B-1080 | X | X | X | | X | X | X | X | X | X | X | Sequential Duplicate |
| GW103-MW02A-0055 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-MW02A-2007 | X | | | | | | | | | | | Trip Blank |
| GW103-MW03A-0042 | X | X | X | | X | X | X | X | X | X | X | Incl. Lab QC Volumes |
| GW103-MW03A-2004 | X | | | | | | | | | | | Trip Blank |
| GW103-MW04A-0047 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-MW04A-1047 | X | X | X | X | X | X | X | X | X | X | X | Sequential Duplicate |
| GW103-MW04A-2001 | X | | | | | | | | | | | Trip Blank |
| GW103-MW04B-0075 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-MW04C-0094 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-MW05A-0049 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-MW06A-0042 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-MW07A-0041 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-MW08A-0040 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-MW08B-0070 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-MW08B-2005 | X | | | | | | | | | | | Trip Blank |
| GW103-MW08C-0087 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-MW08D-0116 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-MW09A-0032 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-MW09B-0054 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-MW10A-0057 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-MW11A-0045 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-OW1A-0080 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-OW1B-0116 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-OW2-0078 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-OW2-2002 | X | | | | | | | | | | | Trip Blank |
| GW103-OW3-0080 | X | X | X | | X | X | X | X | X | X | X | Incl. Lab QC Volumes |
| GW103-OW4A-0073 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-OW4B-0125 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-OW5-0048 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-OW5-1048 | X | X | X | X | X | X | X | X | X | X | X | Sequential Duplicate |
| GW103-OW6-0055 | X | X | X | X | X | X | X | X | X | X | X | |
| GW103-OW6-2003 | X | | | | | | | | | | | Trip Blank |
| GW103-OW7-0081 | X | X | X | | X | X | X | X | X | X | X | |
| GW103-OW7-4001 | X | | | | | | | | | | | Equipment Blank |
| GW103-OW8-0075 | X | X | X | X | X | X | X | X | X | X | X | |

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 all of the 11 shallow EPA wells (MW01A through MW11A), at concentrations ranging from $0.5^J$ ug/L in MW03A to 3,700 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 10 ug/L in MW08B to 840 ug/L in MW04B.

PCE was detected at a concentration of 11 ug/L in MW08C and 19 ug/L in MW04C. PCE was detected in the deepest well (MW08D) at a concentration of $1^J$ ug/L. PCE exceeded the MCL of 5 ug/L in all EPA OU-02 wells except MW03A and MW08D.

Including estimated J-flagged values, PCE was reported in all eight of the shallow OPOG wells (OW1A through OW8), ranging from 14 ug/L in OW7 to 82,000 ug/L in OW1A. PCE was detected at a concentration of 35 ug/L in well OW4B and 28 ug/L in OW1B. PCE exceeded the MCL in all OPOG wells.

TCE was detected in ten of the 11 of the shallow EPA wells (MW01A through MW11A, but not MW03A) at concentrations ranging from 2 ug/L in MW11A to 2,000 ug/L in well MW05A. TCE was detected in all four of the intermediate EPA wells at concentrations ranging from $2^J$ ug/L and 2 ug/L in MW08B and MW09B, respectively, to 31 ug/L in MW01B. TCE was detected in both of the deeper EPA wells at concentrations of 87 ug/L in MW04C and 3 ug/L in MW08C. TCE was detected at a concentration of 19 ug/L in MW08D. TCE equaled or exceeded the MCL of 5 ug/L in all EPA wells except MW03A, MW07A, MW08B, MW08C, MW09B, and MW011A.

TCE was detected in all eight of the shallow OPOG wells, ranging from $2^J$ ug/L in OW4A to $2{,}400^J$ ug/L in OW1A. TCE was detected in both the intermediate OPOG wells at concentrations of $2^J$ ug/L in OW1B and 3 ug/L in OW4B. TCE exceeded the MCL of 5 ug/L in six of the eight shallow OPOG wells.

Freon 113 results exceeded the MCL of 1,200 ug/L in shallow EPA well MW02A (1,800 ug/L), and in shallow OPOG well OW8 (1,800 ug/L). The maximum Freon 11 concentration reported was 640 ug/L in MW02A, and the MCL of 150 ug/L was exceeded in six wells including MW02A, MW04A, MW04B, MW05A, OW2, OW3, OW6, and OW8.

1,1-DCE was detected in eight of the 11 shallow EPA OU-02 wells at concentrations ranging from 1 ug/L in MW09A to 2,100 ug/L in MW02A. 1,1-DCE was detected in three of the four intermediate EPA wells at concentrations ranging from $0.9^J$ ug/L in MW08B to 560 ug/L in MW04B. 1,1-DCE was detected in deep wells MW04C and MW08C at concentrations of 5 ug/L and 2 ug/L, respectively. 1,1-DCE was not detected in the deepest well MW08D. 1,1-DCE exceeded the MCL of 6 ug/L in wells MW01A, MW01B, MW02A, MW04A, MW04B, MW05A, and MW10A.

1,1-DCE was detected in all of the eight shallow OPOG wells, ranging from 1 ug/L in OW7 to 1,100$^{J}$ ug/L in OW8. 1,1-DCE was detected in OW1B at a concentration of 1$^{J}$ ug/L and in OW4B at a concentration of 12 ug/L. Concentrations of 1,1-DCE exceeded the MCL of 6 ug/L in seven of the eight shallow OPOG wells.

Cis-1,2-DCE exceeded the MCL of 6 ug/L in wells MW05A, MW08A, and OW5, with a maximum concentration of cis-1,2-DCE detected in OW5 at 110 ug/L. 1,1,1-TCA exceeded the MCL of 200 ug/L in well OW1A, with a concentration of 4,600$^{J}$ ug/L.

Benzene was detected in wells MW05A, OW1B, OW4A, OW4B, OW5, and OW6. The MCL of 1 ug/L was approximately equaled in wells MW05A (1$^{J}$ ug/L) and OW5 (1$^{J}$ ug/L). MTBE exceeded the MCL of 13 ug/L in wells MW04B (16$^{J}$ ug/L) and OW6 (66 ug/L).

Although acetone currently has no MCL established, it was reported in four EPA OU-02 wells and five OPOG wells. Acetone concentrations detected in the EPA wells ranged from 2$^{J}$ ug/L in MW08D to 9$^{J}$ ug/L in MW10A. Acetone was detected in the OPOG wells at concentrations ranging from 6$^{J}$ ug/L in OW5 and OW6 to 4,800 ug/L in OW8. Most of the acetone results were flagged as estimated "J" values, primarily because of detections below the reporting limit or 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, with concentrations ranging from 110 ug/L in MW04B to 700 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 82,000 ug/L, whereas the concentration in the deeper well OW1B was reported at 28 ug/L. Another example is the MW08 cluster, where PCE was detected at 500 ug/L in MW08A while 10 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 840 ug/L and the shallower well, MW04A, had a reported concentration of 310 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 (19 ug/L) than in MW08B (2$^{J}$ ug/L) or MW08C (3 ug/L).

OPOG wells OW5 and OW1A displayed an increasing trend in PCE concentrations throughout 2002, then leveled off in first quarter 2003. At OW4A, PCE concentrations have declined from 100 ug/L to 19 ug/L between February 2002 and February 2003, but the trend is not consistent between each quarter. The remaining OPOG wells have been relatively consistent, without significant increases and/or decreases in concentration trends. PCE concentrations at EPA well MW05A increased from 1,600 ug/L in August

2002 to 3,000 ug/L in November 2002, then dropped to 1,200 ug/L in February 2003. With exception of a suspect result in November 2002, MW09A displays increased PCE concentrations since May 2002. The decline in PCE concentrations through 2002 ceased at MW08A, with the concentration rebounding to 500 ug/L for February 2003. The remaining EPA wells display relatively consistent PCE concentrations throughout 2002, but show some variance at MW04A and MW04B.

TCE concentrations in the OPOG wells were somewhat consistent throughout 2002 and into February 2003. Variability has been observed at OW1A, with concentrations ranging from 1,100 ug/L to 4,000 ug/L. TCE concentrations at OW4A were consistently in the 33 ug/L to 51 ug/L range through 2002, but dropped to 2 ug/L in February 2003. ug/L and in November 2002 TCE was detected at a concentration of 4,000 ug/L. EPA well MW02A displays a slight decrease in TCE concentrations through 2002, but is relatively consistent overall. At MW08A, the decline in TCE concentrations halted with a rebound to 100 ug/L for February 2003, similar to the change in trend observed for PCE at MW08A. The remaining EPA wells are relatively consistent throughout the year with minimal increasing and/or decreasing trends.

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, chromium, and/or selenium were detected at concentrations exceeding primary MCLs at several locations.

Concentrations of aluminum exceeded the primary MCL of 1,000 ug/L in wells OW1B and OW3. The maximum concentration of aluminum was detected in well OW1B at 1,340 ug/L. Total chromium concentrations exceeded the MCL of 50 ug/L in wells MW01A, MW06A, and MW08A, with a maximum concentration of 155 ug/L detected in MW01A. Selenium exceeded the MCL of 50 ug/L in well MW08A with a concentration of 51 ug/L.

Manganese was detected in 23 of the 28 monitoring wells. Detected concentrations of manganese ranged from 0.61 ug/L at MW04A to 734 ug/L at OW1A. Iron was detected in 19 of the 28 monitoring wells. Detected concentrations of iron ranged from 27.9 ug/L at OW7 to 11,500 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. Chromium and/or selenium were detected at concentrations approaching or exceeding MCLs at three locations. Dissolved total chromium exceeded the MCL of 50 ug/L in wells MW01A, MW06A and MW08A, with a maximum

concentration of 152 ug/L in MW01A. Selenium exceeded the MCL of 50 ug/L in well MW08A with a concentration of 52 ug/L.

Dissolved manganese was detected in 15 of the 28 monitoring wells. Detected concentrations of manganese ranged from 0.26 ug/L at OW7 to 732 ug/L at OW8. Dissolved iron was detected only in wells MW08C, OW1A, OW1B, OW3, OW4B, and OW8 with concentrations ranging from 34.7 ug/L in OW4B to 501 ug/L in OW1A.

### 2.4.4 Perchlorate

Groundwater samples were analyzed for perchlorate using EPA Method 314.1. Perchlorate was detected in samples from all 11 of the shallow EPA OU-02 wells at concentrations ranging from $1^{J}$ ug/L in MW09A to 7 ug/L in well MW07A. Perchlorate was detected in all four intermediate EPA wells at concentrations ranging from 3 ug/L in MW01B to 5 ug/L in both MW04B and MW08B. Perchlorate was detected in both of the deeper EPA wells at 4 ug/L in both MW04C and MW08C. Perchlorate was detected in the deepest EPA well MW08D at a concentration of 2 ug/L. Perchlorate equaled or exceeded the California Department of Health Services Drinking Water Action Level for Contaminants of Current Interest of 4 ug/L in all EPA well except MW01B, MW03A, MW08D, and MW09A.

Perchlorate was detected in all of the eight shallow OPOG wells at concentrations ranging from 2 ug/L in OW1A, OW4A, and OW6 to 4 ug/L in OW2 and OW5. Perchlorate was detected in deeper wells OW1B and OW4B at 2 ug/L and 3 ug/L, respectively. Perchlorate concentrations equaled or exceeded the California Action Level in OW2 and 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 in 10 of the 28 monitoring wells at concentrations of 1.9 ug/L (MW04B and OW1A) to 5.4 ug/L (OW8).

### 2.4.6 Methane, Ethane, and Ethene

Groundwater samples were analyzed for the dissolved gases methane, ethane, and ethane using EPA Method RSK 175 (after the R.S. Kerr EPA Research Laboratory). Methane was detected in 14 of the 28 monitoring wells at concentrations ranging from $0.42^{J}$ ug/L (MW02A) to 7,400 ug/L (OW4B). Ethane was detected in one well, OW1A, with a concentration of 2.6 ug/L. Ethene was not detected in any of the samples.

### 2.4.7 Conventional Parameters

Groundwater samples were analyzed for total dissolved solids (TDS) (EPA Method 130.1), chloride and sulfate (EPA Method 300.0); sulfide (EPA Method 376.1); total

nitrogen (as nitrate and nitrite) (EPA Method 353.2); Total organic carbon (TOC) (EPA Method 415.1); and alkalinity (by Standard Method 2320).

TDS is a measure of total dissolved inorganics, primarily comprised of common ions such as chloride, sulfate, nitrate, bicarbonate, calcium, magnesium, sodium, and potassium, and correlates with specific conductance. TDS concentrations ranged from 740 mg/L in MW01B to 2,000 mg/L in MW07A. The highest concentrations were detected in wells MW07A and MW11A, located approximately 5,000 to 7,000 feet south-southwest of the Omega site.

Chloride concentrations in all wells ranged from 50 mg/L in OW7 to 160 mg/L in MW06A. The highest sulfate concentrations were detected in wells MW07A, MW10A, and MW11A, at 830 mg/L, 610 mg/L, and 640 mg/L, respectively. Sulfate concentrations in other wells ranged from 140 mg/L in OW1A to 450 mg/L in MW09B. Sulfide was not detected in any of the monitoring wells.

Total nitrogen (measured as nitrate + nitrite) concentrations in all wells ranged from 3 mg/L in MW09A to 29 mg/L in MW05A. Nitrogen compounds were detected in all EPA wells and OPOG wells. Total nitrogen concentrations met exceeded the primary MCL of 10 mg/L in all wells except MW01A, MW03A, MW09A, OW1B, OW3, OW4B, OW6, and OW8.

TOC concentrations ranged from $1^J$ mg/L (MW03A, MW07A, MW08D, and OW7) to 75 mg/L in OW3. Total alkalinity in all wells ranged from 230 mg/L in OW1B to 530 mg/L in OW1A.

### 2.4.8 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 ten of the 13 wells for which it was analyzed, at concentrations ranging from $4^J$ ug/L in OW4A to 70,000 ug/L in OW1A. 1,4-dioxane concentrations exceeded the State of California Department of Health Services (Cal-DHS) Action Level of 3 ug/L in all wells where it was detected MW08A.

## 3.0 SUMMARY AND CONCLUSIONS

Groundwater sampling was completed from the 18 EPA OU-02 monitoring wells and the ten OPOG wells during the first quarter of 2003. This quarter corresponded to CDM's (OPOG's consultant) biannual sampling event, and WESTON sampled the OPOG wells in coordination with CDM.

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, perchlorate, and methane, ethane, ethene. Seven of the EPA wells and six of the OPOG wells were also sampled for 1,4-dioxane. Other water quality parameters including TDS, nitrogen, TOC, and anions are monitored on an annual basis only and were analyzed this quarter.

Depth to water near the Omega site ranges from approximately 30 to 77 feet bgs, whereas farther downgradient toward Santa Fe Springs, water occurs as shallow as approximately 23 feet bgs (MW07A). Groundwater levels rose in all of the EPA monitoring wells between the fourth quarter 2002 and the first quarter 2003. Groundwater levels declined in all but three of the OPOG monitoring wells. The differences were typically about one foot or less between quarters, but an increase of more than three feet in groundwater elevation was observed at MW08D and MW09B. The groundwater gradient near the Omega site is generally toward the west-southwest, at a relatively steep 0.010 ft./ft. In the vicinity of Rivera Road and Washington Blvd., the gradient flattens considerably, to as low as 0.009 ft./ft. toward the southwest. Farther southwest, the gradient is approximately 0.0035 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 in concentrations equaling or exceeding their respectively MCLs including benzene, 1,1-DCE, cis-1,2-DCE, MTBE, 1,1,1-TCA, 1,2-DCA , trans-1,2-DCE, and chloroform.

1,4-dioxane was analyzed only for seven of the EPA wells and six of the OPOG wells, and detected in ten of these wells at concentrations ranging from $4^J$ ug/L at OW4A to 70,000 ug/L at OW1A.

Total metals including aluminum, chromium, and selenium, and dissolved metals including chromium and selenium were reported in concentrations exceeding their

respective primary MCLs in one to three well locations each. The maximum total aluminum concentration was 1,340 ug/L at OW1A. Maximum total chromium concentration was 155 ug/L at MW01A, and the maximum dissolved total chromium was 152 ug/L also at MW01A. The maximum selenium concentration reported was 51 ug/L (total) and 52 ug/L (dissolved), at MW08A.

Cyanide did not exceed the primary MCL of 200 ug/L at any sampling location. Cyanide was detected in 10 of the 28 monitoring wells at concentrations of 1.9 ug/L (MW04B and OW1A) to 5.4 ug/L (OW8). Perchlorate was reported in concentrations meeting or exceeding the California DHS Drinking Water Action Level of 4 ug/L in 16 monitoring wells, with a maximum concentration of 7 ug/L.

Methane, ethane, and ethene was analyzed for all EPA and OPOG wells. Methane was detected in 14 of the 28 wells and ethane was detected in one well. Ethene was not detected in any of the well.

Samples were also analyzed for conventional parameters including TDS, selected anions, total nitrogen, TOC, and alkalinity.

It is anticipated that 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


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1996, England & Associates and Hargis & Associates, Inc., *Phase II Close Out Report, Volume I of II, Omega Chemical, Whittier, California.* October 1, 1996.

2001, Roy F. Weston, Inc., *Sampling and Analysis Plan, Omega Chemical, Whittier, California.* July 26, 2001.

2002, Roy F. Weston, Inc., *Phase I Groundwater Characterization Report, Omega Chemical, Whittier, California.* February 2002.

2003, Weston Solutions, Inc.; *Phase 2 Groundwater Characterization Report, Omega Chemical, Whittier, California.* June 2003.

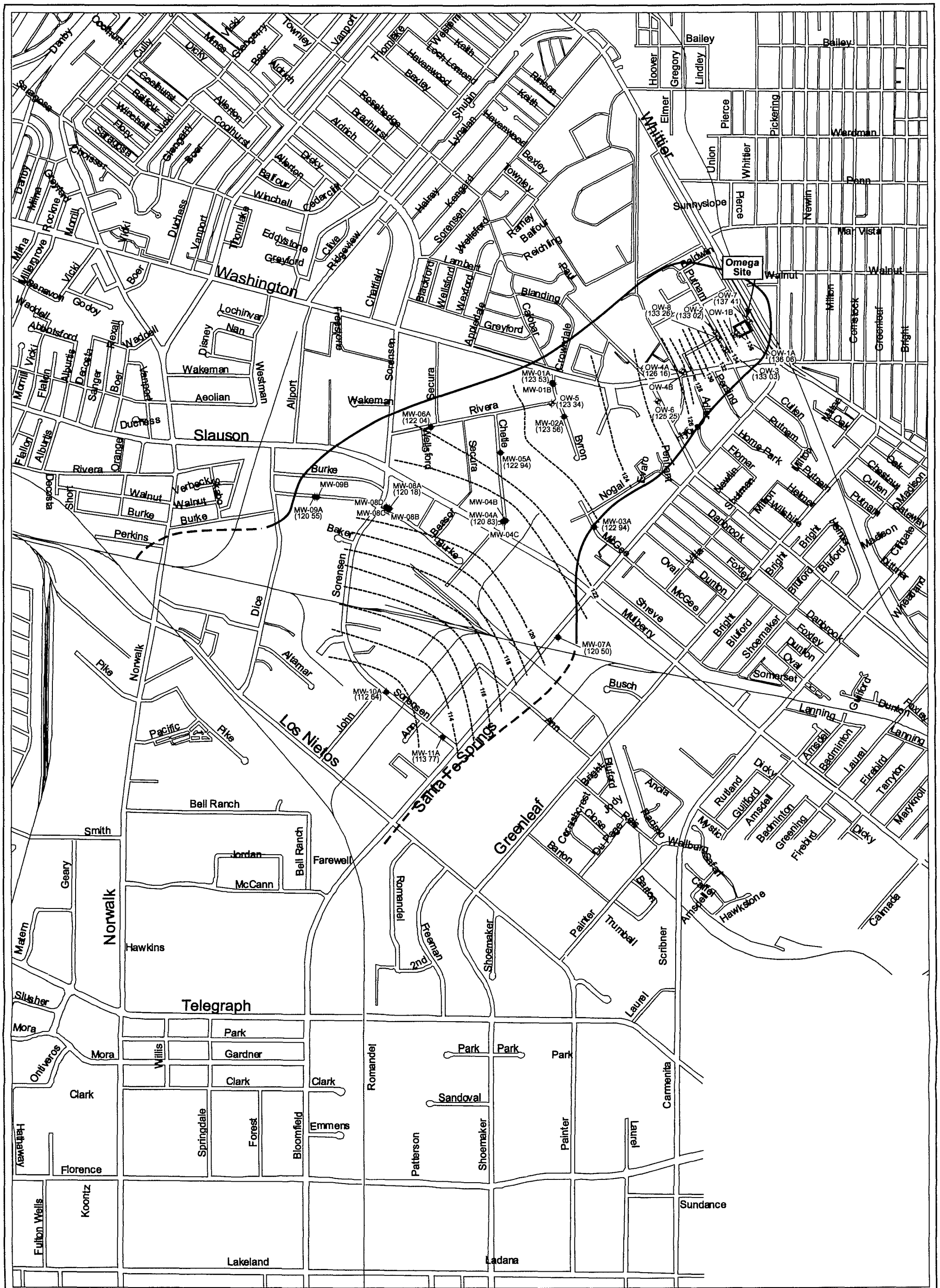
# Figures

# Site Location Map
# Omega Superfund Site

0 1200 2400
Scale in Feet

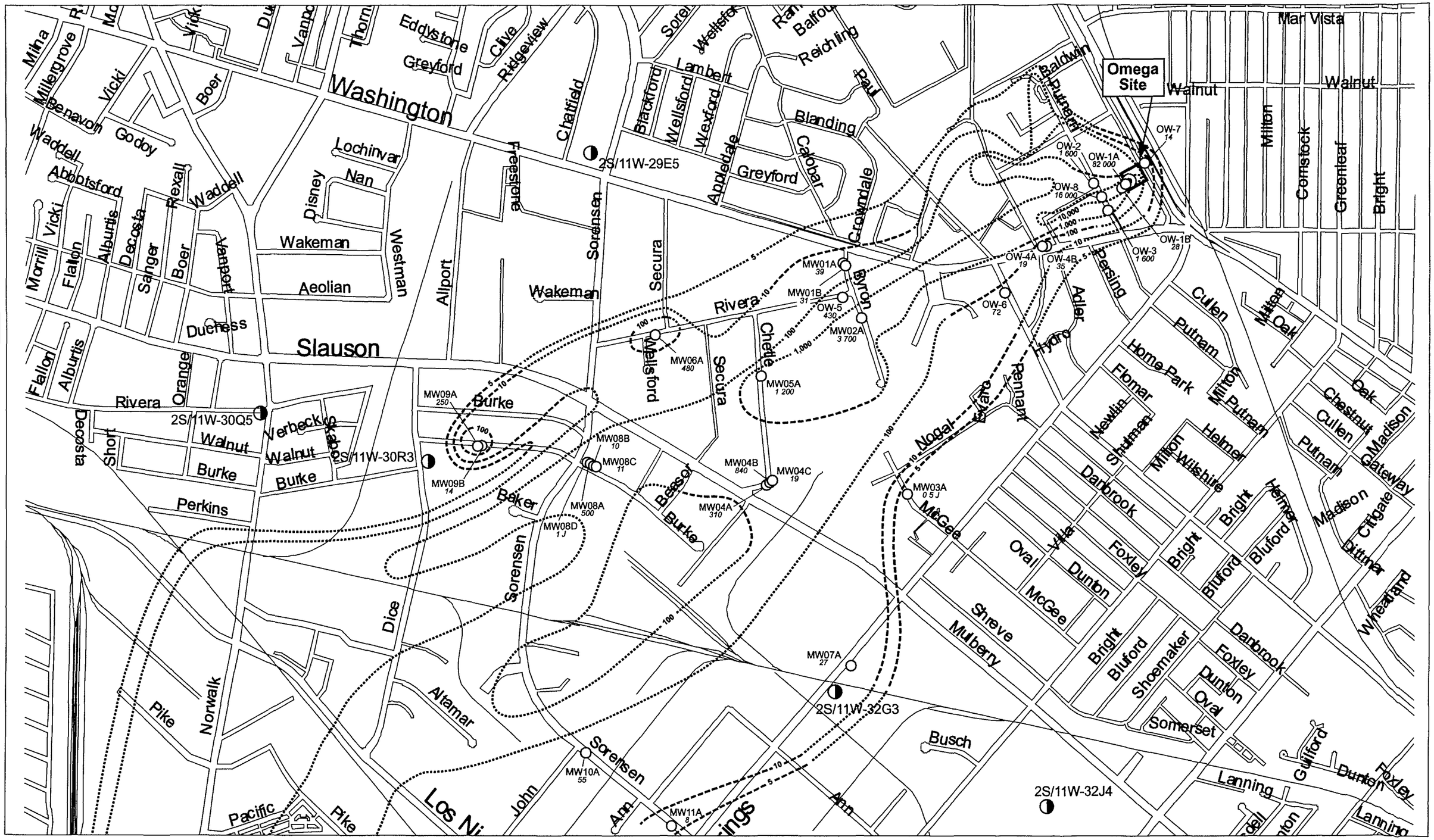
Figure
**1**

03-0029 Fig1 ai




# Omega Superfund Site
## Groundwater Elevations—1st Quarter 2003

Figure
**2**




0 400 800
Scale in Feet

WESTON SOLUTIONS

○ Existing Monitoring Well and Number

◑ Production Well and Number

--- PCE Isoconcentration Line Based Upon Quarterly Groundwater Sampling Data

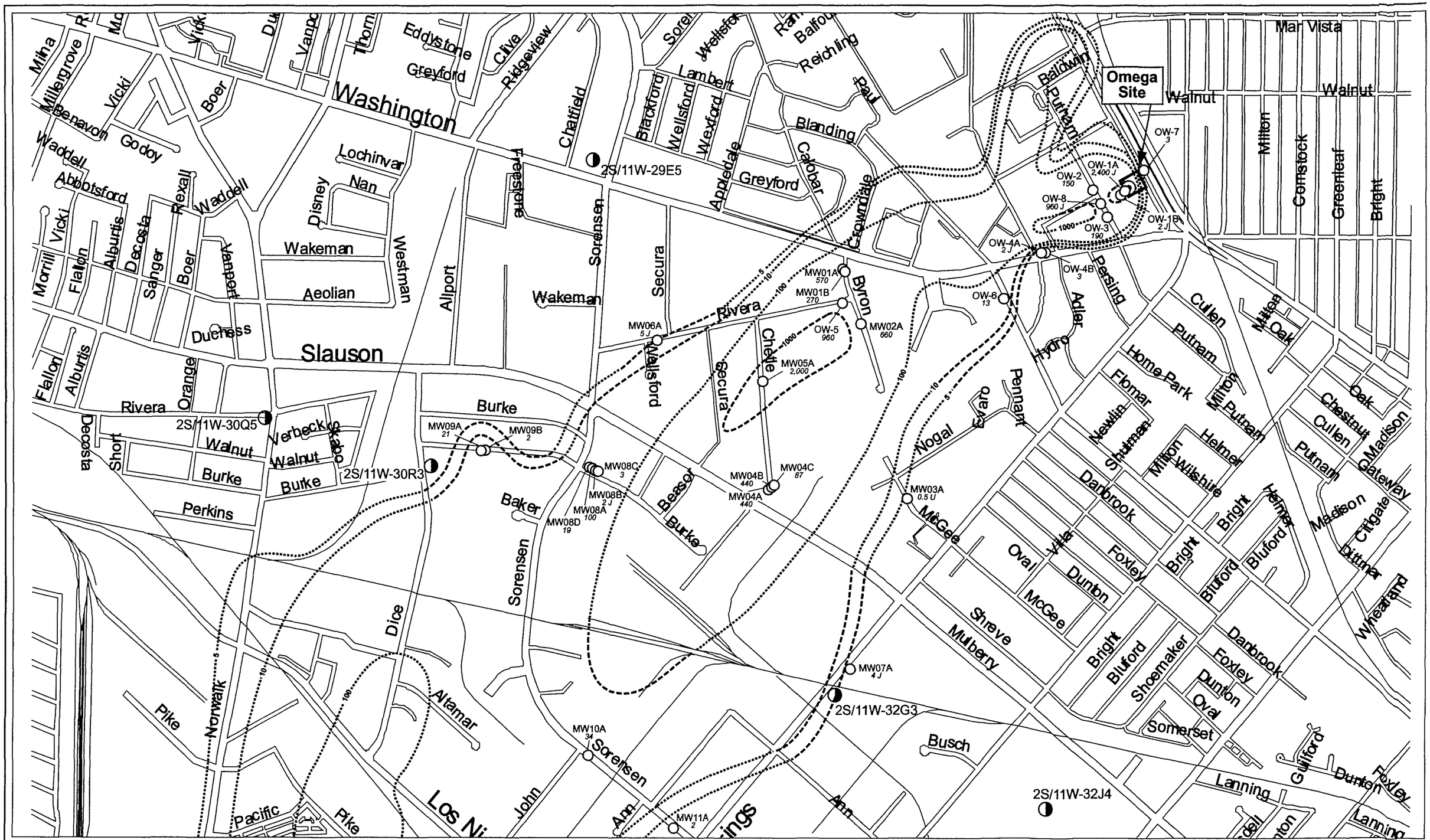
..... Isoconcentration Line Based Upon Phase 1 (Aug 2001) and Phase 2 (Aug 2002) Hydrogeology Investigation Data

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

# PCE Groundwater Concentrations—1st Quarter 2003
## Omega Superfund Site

Figure
**3**

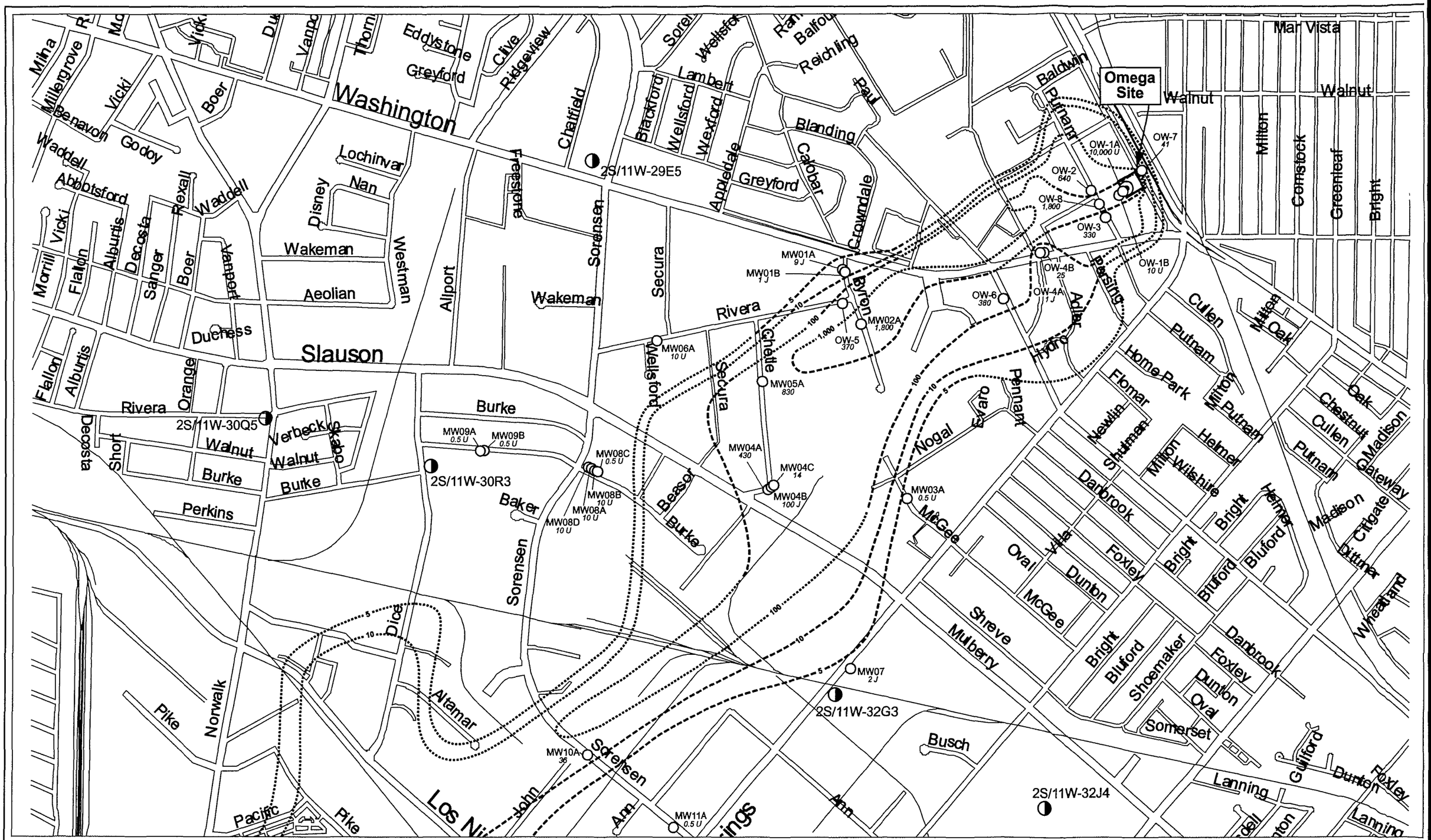
03-0029 Fig3 ai




# TCE Groundwater Concentrations—1st Quarter 2003
## Omega Superfund Site

Figure
**4**

03-0029 Fig4.ai


Omega Site
Washington
Slauson
Mar Vista
Walnut
Rivera
Burke
Perkins
Pike
Norwalk
Los Nietos
Sorensen
Secura
Greyford
Blanding
Lambert
Wakeman
Aeolian
Duchess
Orange
Verbeck
Short
Baker
Dice
Altamar
Busch
Lanning
Somerset
Shreve
Mulberry
McGee
Oval
Dunton
Foxley
Bluford
Bright
Shoemaker
Danbrook
Nogal
Pennant
Adler
Byron
Cullen
Putnam
Home Park
Flomar
Milton
Helmer
Wilshire
Madison
Gateway
Citrus
Wheatland
Guilford
Chestnut
Oak
Comstock
Greenleaf
Bright
Baldwin
Reichling
Balfour
Chatfield
Ridgeview
Clive
Eddystone
Greyford
Lochinvar
Nan
Disney
Westman
Allport
Freestone
Appledale
Crowndale
Calobar
Wellsford
Wexford
Blackford
Sorel
Hellsfort
Ramona
Paul
Millergrove
Miha
Vicki
Boer
Benavon
Godoy
Waddell
Abbotsford
Rexall
Alburtis
Decosta
Sanger
Vanpert
Morrill
Flallon
Decosta
Short
Pacific
John
Ann
Gulliford
Dunton
Foxley
Lanning
Wilshire
Helmer
Madison
Citrus
Wheatland
Bluford
Shoemaker
Somerset
Oval
Dunton
Foxley
Danbrook
Bright
Bluford
Shreve
Mulberry
McGee
Oval
Dunton
Foxley
Bright
Bluford
Danbrook
Nogal
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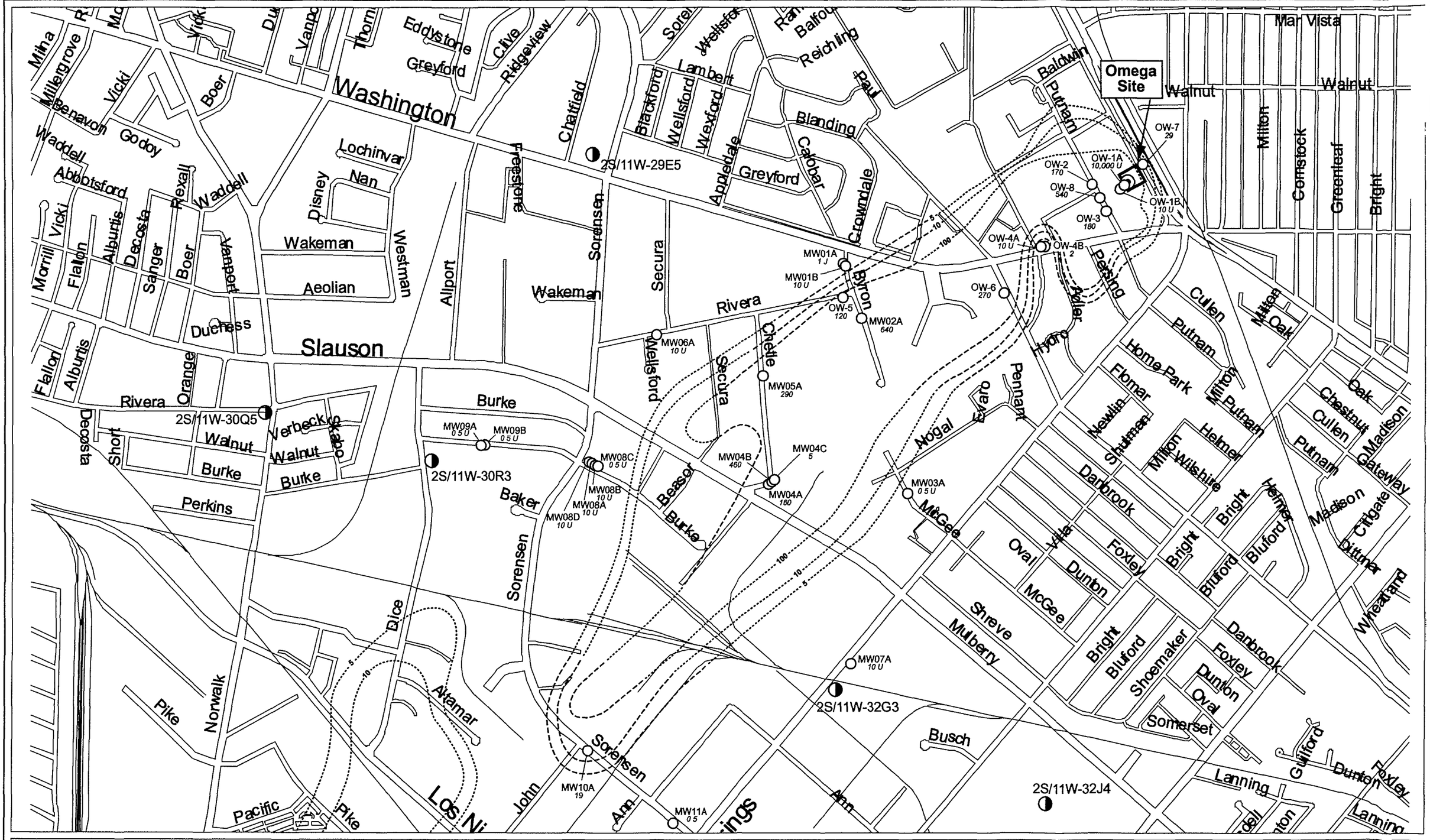
Madison
Gateway
Citrus
Wheatland




Existing Monitoring Well and Number

Production Well and Number

Freon 11 Isoconcentration Line Based Upon Quarterly Groundwater Sampling Data

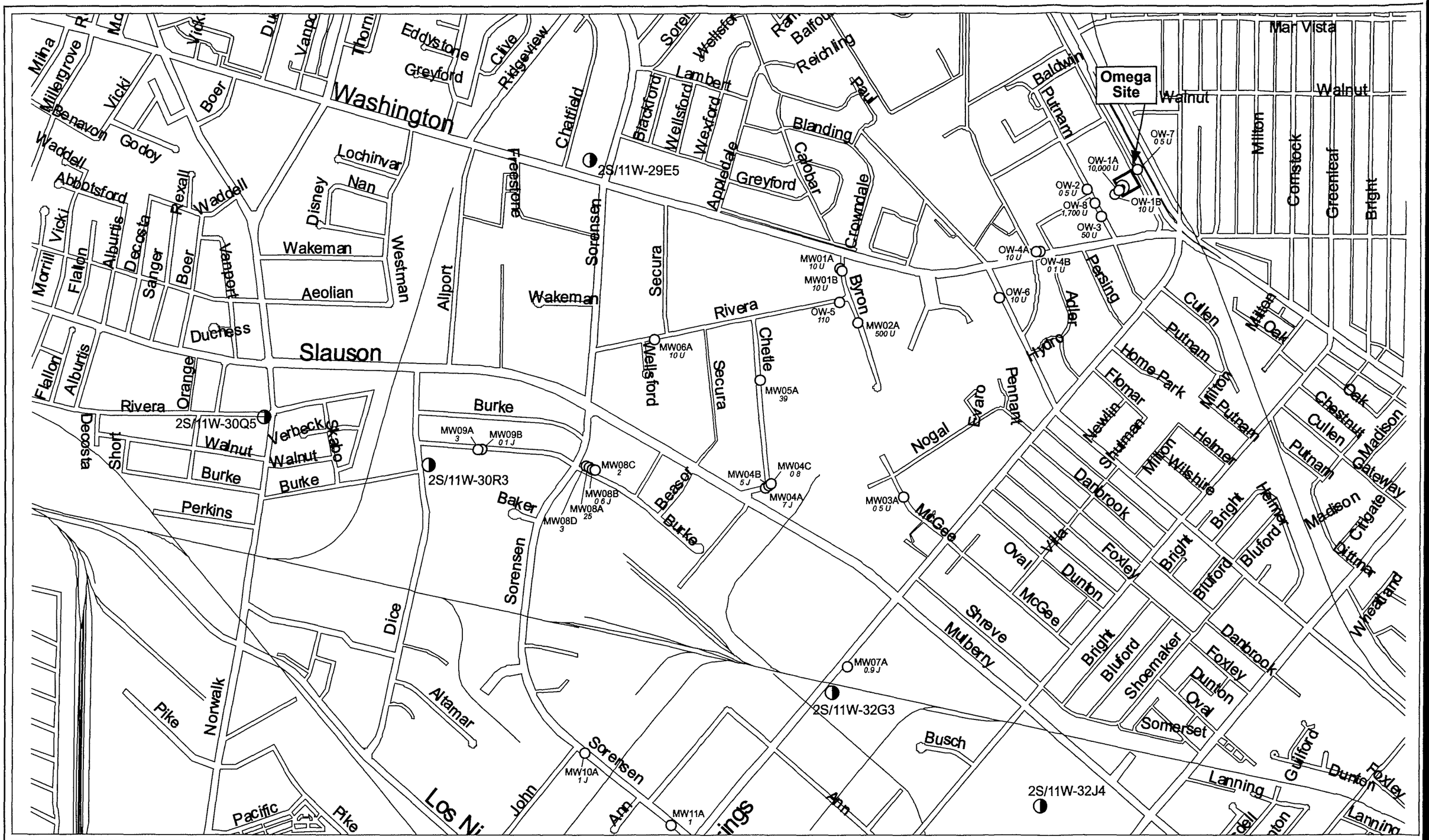
Isoconcentration Line Based Upon Phase II Hydrogeology Investigation Data

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

# Freon 11 Groundwater Concentrations—1st Quarter 2003
## Omega Superfund Site

Figure
**6**

03-0029 Fig6.ai



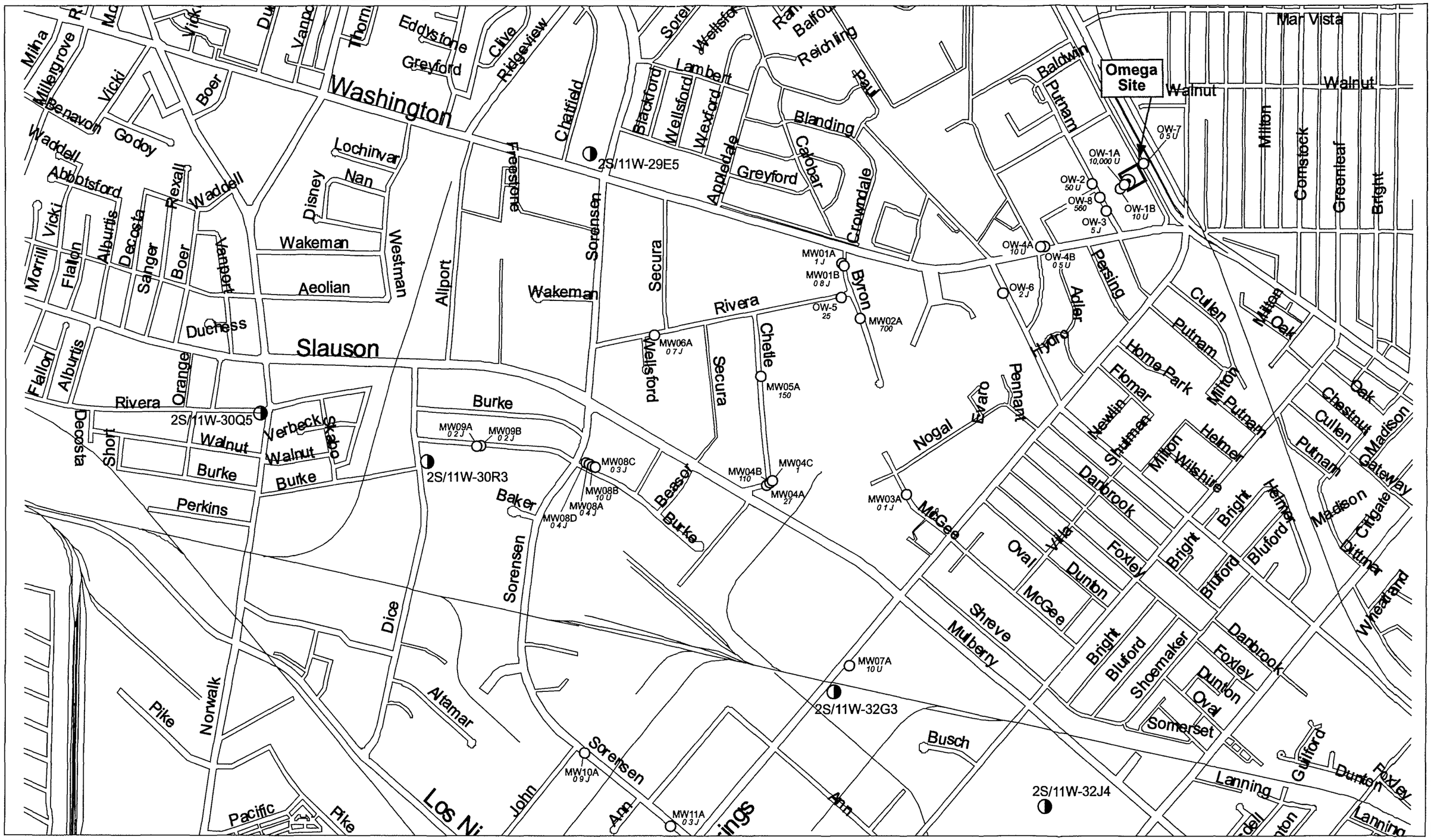

○ Existing Monitoring Well and Number
◑ Production Well and Number

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

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

Figure
**7**

03-0029 Fig7.ai




0 400 800
Scale in Feet

WESTON SOLUTIONS

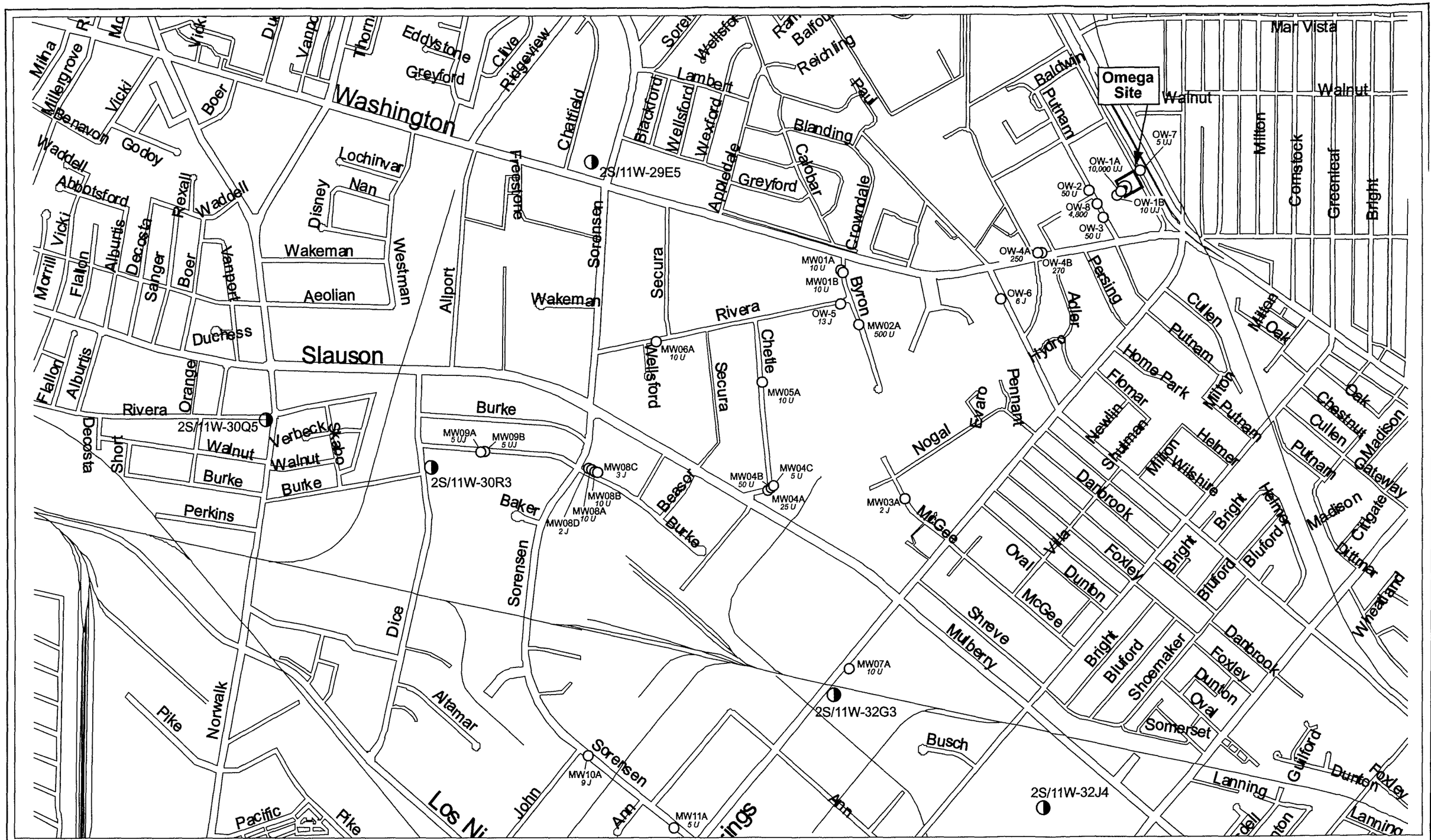
○ Existing Monitoring Well and Number
◑ Production Well and Number

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

# Chloroform Groundwater Concentrations—1st Quarter 2003
## Omega Superfund Site

Figure
**8**

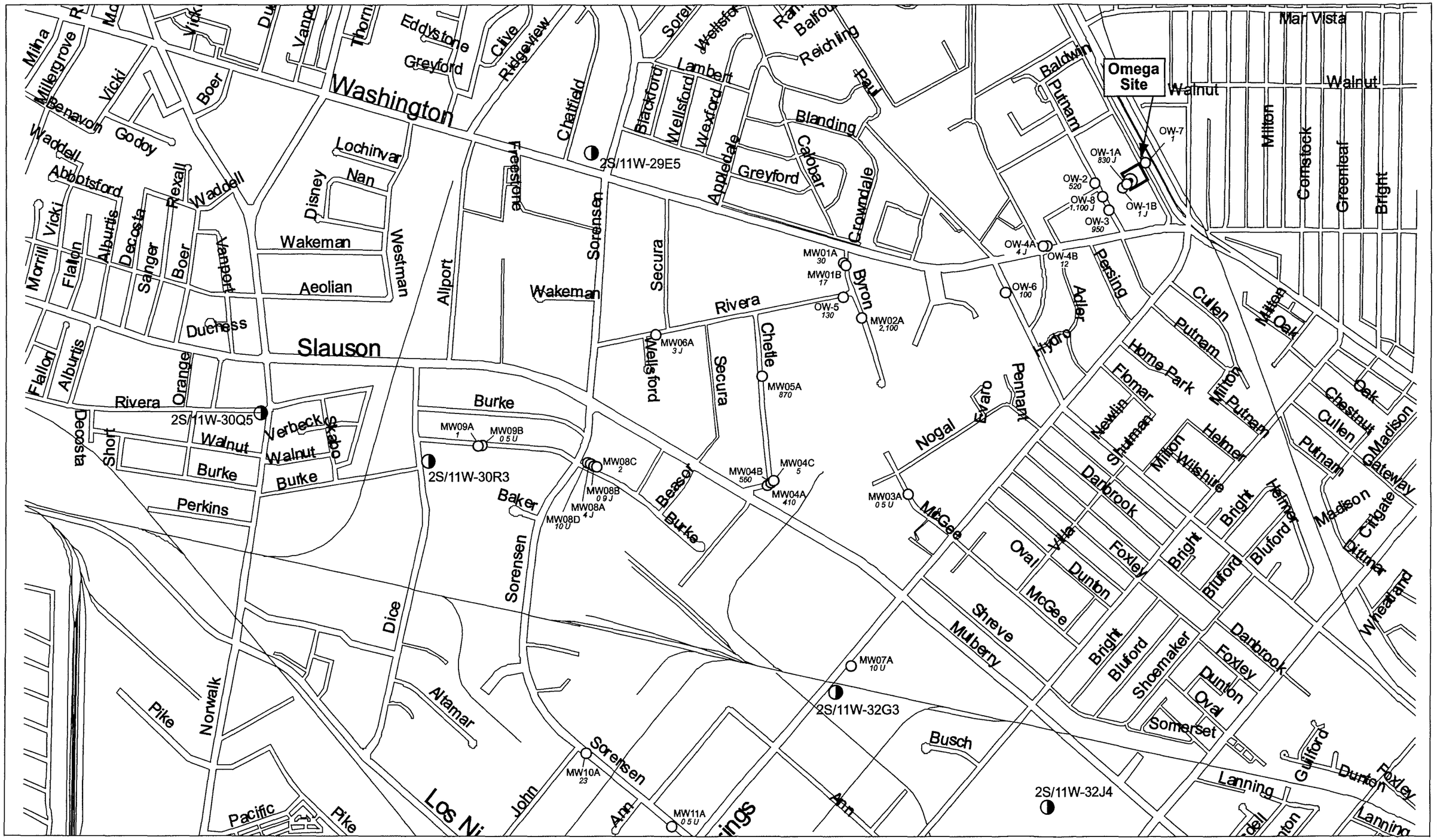
03-0029 Fig8 ai




# Acetone Groundwater Concentrations—1st Quarter 2003
## Omega Superfund Site

Figure
9

03-0029 Fig9.ai




# 1,1-Dichloroethene Groundwater Concentrations—1st Quarter 2003
## Omega Superfund Site

Figure
**10**

03-0029 Fig10 ai

# APPENDIX A
# ANALYTICAL DATA SUMMARY TABLE

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

| Constituent | Station ID: | MW01A | MW01B | MW01B | MW02A | MW03A | MW04A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW01A-0055 | GW103-MW01B-0080 | GW103-MW01B-1080 | GW103-MW02A-0055 | GW103-MW03A-0042 | GW103-MW04A-0047 |
| | Sample Date: | 02/26/2003 | 02/26/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| | 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 | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,1,2,2-Tetrachloroethane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,1,2-Trichloroethane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,1-Dichloroethane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,1-Dichloroethene | | 30 | 17 | 18 | 2100 J | 0.5 U | 410 |
| 1,2,3-Trichlorobenzene | | | | | | 0.5 U | |
| 1,2,4-Trichlorobenzene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,2-Dibromo-3-chloropropane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,2-Dibromoethane [EDB] | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,2-Dichlorobenzene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,2-Dichloroethane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,2-Dichloropropane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,3-Dichlorobenzene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,4-Dichlorobenzene | | 10 U | 10 U | 10 U | 500 U | 0.5 UJ | 25 U |
| 2-Butanone | | 10 U | 10 U | 10 U | 500 U | 5 U | 25 U |
| 2-Hexanone | | 10 U | 10 U | 10 U | 500 U | 5 U | 25 U |
| 4-Methyl-2-pentanone | | 10 U | 10 U | 10 U | 500 U | 5 U | 25 U |
| Acetone | | 10 U | 10 U | 10 U | 500 UJ | 2 J | 25 U |
| Benzene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Bromochloromethane | | | | | | 0.5 U | |
| Bromodichloromethane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Bromoform | | 10 U | 10 U | 10 U | 500 U | 0.5 UJ | 25 U |
| Bromomethane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 1 J |
| Carbon Disulfide | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |

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

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

| | Station ID: | MW01A | MW01B | MW01B | MW02A | MW03A | MW04A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW01A-0055 | GW103-MW01B-0080 | GW103-MW01B-1080 | GW103-MW02A-0055 | GW103-MW03A-0042 | GW103-MW04A-0047 |
| | Sample Date: | 02/26/2003 | 02/26/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| 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 |
| Carbon Tetrachloride | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Chlorobenzene | | 10 U | 10 U | 10 U | 500 U | 0.07 J | 25 U |
| Chlorodibromomethane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Chloroethane | | 10 UJ | 10 UJ | 10 UJ | 500 U | 0.5 U | 25 U |
| Chloroform | | 1 J | 0.8 J | 0.8 J | 700 | 0.1 J | 27 |
| Chloromethane | | 10 U | 10 U | 10 U | 500 U | 0.07 J | 25 U |
| cis-1,2-Dichloroethene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 7 J |
| cis-1,3-Dichloropropene | | 10 U | 10 U | 10 U | 500 U | 0.5 UJ | 25 U |
| Cyclohexane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Dichlorodifluoromethane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Ethane | | 0.64 U | 0.64 U | 0.64 U | 0.64 U | 0.64 U | 0.64 U |
| Ethene | | 0.67 U | 0.67 U | 0.67 U | 0.67 U | 0.67 U | 0.67 U |
| Ethylbenzene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Isopropylbenzene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Methane | | 0.42 U | 20 | 21 | 0.42 J | 220 | 0.42 U |
| Methyl Acetate | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Methylcyclohexane | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Methylene Chloride | | 10 U | 10 U | 10 U | 38 J | 0.5 U | 25 U |
| Styrene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| tert-Butyl Methyl Ether | | 10 U | 10 U | 10 U | 500 U | 0.1 J | 3 J |
| Tetrachloroethene | | 39 | 31 | 33 | 3700 | 0.5 UJ | 310 |
| Toluene | | 10 U | 10 U | 10 U | 500 U | 0.03 J | 25 U |
| trans-1,2-Dichloroethene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| trans-1,3-Dichloropropene | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Trichloroethene | | 570 | 270 | 270 | 660 | 0.5 U | 440 |

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

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

| Constituent | Station ID: | MW01A | MW01B | MW01B | MW02A | MW03A | MW04A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW01A-0055 | GW103-MW01B-0080 | GW103-MW01B-1080 | GW103-MW02A-0055 | GW103-MW03A-0042 | GW103-MW04A-0047 |
| | Sample Date: | 02/26/2003 | 02/26/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| | 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 |
| Trichlorofluoromethane | | 1 J | 10 U | 10 U | 640 | 0.5 U | 160 |
| *Trichlorotrifluoroethane* | | 9 J | 1 J | 1 J | 1800 | 0.5 U | 430 |
| Vinyl Chloride | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| Xylenes (total) | | 10 U | 10 U | 10 U | 500 U | 0.5 U | 25 U |
| 1,4-Dioxane | | | | | 180 | | 13 |
| Perchlorate | | 4 | 3 | 3 | 5 | 2 | 3 |
| **Inorganics (Total) (ug/l)** | | | | | | | |
| Aluminum | | 57.1 U | 57.1 U | 57.1 U | 208 | 57.1 U | 64.4 J |
| Antimony | | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 U |
| Arsenic | | 4.8 U | 4.8 U | 4.9 J | 4.8 U | 4.8 U | 4.8 U |
| Barium | | 64.8 J | 35.6 J | 36.4 J | 61.5 J | 46.1 J | 39.1 J |
| Beryllium | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Cadmium | | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U |
| Calcium | | 127000 | 120000 | 120000 | 174000 | 140000 | 144000 |
| Chromium | | 155 | 26.4 | 28.9 | 8.5 J | 0.69 J | 42.7 |
| Cobalt | | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Copper | | 0.60 U | 0.60 U | 0.60 U | 2.2 U | 0.60 U | 1.2 J |
| Cyanide | | 2.3 J | 2.7 J | 3.0 J | 1.6 U | 1.6 U | 1.6 U |
| Iron | | 18.7 U | 18.7 U | 18.7 U | 274 | 18.7 U | 29.0 U |
| Lead | | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | | 41000 | 39800 | 40000 | 52900 | 45500 | 41900 |
| Manganese | | 0.20 U | 6.8 J | 12.7 J | 5.8 J | 48.0 | 0.61 J |
| Mercury | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Nickel | | 1.1 UJ | 1.1 UJ | 1.1 UJ | 1.1 U | 2.5 J | 1.1 U |

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

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

| Constituent | Station ID: | MW01A | MW01B | MW01B | MW02A | MW03A | MW04A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW01A-0055 | GW103-MW01B-0080 | GW103-MW01B-1080 | GW103-MW02A-0055 | GW103-MW03A-0042 | GW103-MW04A-0047 |
| | Sample Date: | 02/26/2003 | 02/26/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| | 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 |
| Potassium | | 2980 J | 4660 J | 4620 J | 3360 J | 7630 | 3030 J |
| Selenium | | 8.2 J | 4.8 U | 6.6 J | 4.8 UJ | 4.8 U | 8.6 |
| Silver | | 0.60 U | 0.60 U | 0.60 U | 0 60 U | 0.60 U | 0.60 U |
| Sodium | | 82700 | 80900 | 81200 | 94900 | 203000 | 139000 |
| Thallium | | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4 7 U | 7.3 U |
| Vanadium | | 5.3 J | 4.5 J | 4.0 J | 5.9 J | 6.2 J | 4.3 J |
| Zinc | | 1.4 U | 6.5 U | 7.6 U | 9.5 J | 2.1 U | 1.4 U |
| **Inorganics (Dissolved) (ug/l)** | | | | | | | |
| Aluminum | | 57.1 U | 57.1 U | 57.1 U | 57.1 U | 57.1 U | 52.0 J |
| Antimony | | 2.3 UJ | 2.3 UJ | 2.3 UJ | 2.3 U | 2.3 UJ | 3.3 J |
| Arsenic | | 4.8 U | 4.8 U | 4.8 U | 4.8 U | 4.8 U | 4.8 U |
| Barium | | 63.4 J | 36.1 J | 35.4 J | 59.3 J | 46.8 J | 39 2 J |
| Beryllium | | 0.10 U | 0.10 U | 0.10 U | 0.15 U | 0.10 U | 0 10 U |
| Cadmium | | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U |
| Calcium | | 125000 | 120000 | 119000 | 173000 | 144000 | 146000 |
| Chromium | | 152 | 29.4 | 28.3 | 7 7 J | 0.60 U | 43.5 |
| Cobalt | | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Copper | | 0.60 UJ | 0.60 UJ | 0.60 UJ | 1.4 U | 0.60 UJ | 0.60 U |
| Iron | | 18.7 U | 18.7 U | 18.7 U | 27.6 U | 18.7 U | 18.7 U |
| Lead | | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | | 40200 | 39500 | 39300 | 52500 | 46500 | 42600 |
| Manganese | | 0.20 UJ | 7.3 J | 8.2 J | 0.20 U | 54 3 | 0.20 U |
| Mercury | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Nickel | | 1.1 UJ | 1.1 UJ | 1.1 UJ | 1.1 U | 2 8 J | 1.1 U |
| Potassium | | 2880 J | 4480 J | 4480 J | 3290 J | 6470 | 3130 J |

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

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

| Constituent | Station ID: | MW01A | MW01B | MW01B | MW02A | MW03A | MW04A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW01A-0055 | GW103-MW01B-0080 | GW103-MW01B-1080 | GW103-MW02A-0055 | GW103-MW03A-0042 | GW103-MW04A-0047 |
| | Sample Date: | 02/26/2003 | 02/26/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| | 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 |
| Selenium | | 5.9 | 4.9 J | 3.6 U | 4.8 UJ | 3.6 U | 9.6 |
| Silver | | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U |
| Sodium | | 80300 | 79100 | 78800 | 94100 | 203000 | 142000 |
| Thallium | | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U |
| Vanadium | | 4.7 J | 4.7 J | 4.4 J | 5.5 J | 5.4 J | 4.3 J |
| Zinc | | 1.4 U | 5.8 U | 5.9 U | 1.8 J | 2.4 U | 1.4 U |
| **Conventional Parameters** | | | | | | | |
| Bicarbonate Alkalinity (mg/l) | | 350 | 340 | 340 | 420 | 510 | 400 |
| Carbonate Alkalinity (mg/l) | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Chloride (mg/l) | | 70 | 62 | 62 | 97 | 120 | 82 |
| Sulfate (mg/l) | | 170 | 160 | 160 | 230 | 210 | 240 |
| Sulfide (mg/l) | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Total Alkalinity (mg/l) | | 350 | 340 | 340 | 420 | 510 | 400 |
| Total Dissolved Solids (mg/l) | | 800 | 740 | 740 | 1000 | 1100 | 890 |
| Total Nitrate-N + Nitrite-N (mg/l) | | 8 | 13 | 13 | 15 | 6 | 18 |
| Total Organic Carbon (mg/l) | | 2 | 2 U | 2 U | 2 U | 1 J | 4 |

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

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

| Constituent | Station ID: | MW04A | MW04B | MW04C | MW05A | MW06A | MW07A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW04A-1047 | GW103-MW04B-0075 | GW103-MW04C-0094 | GW103-MW05A-0049 | GW103-MW06A-0042 | GW103-MW07A-0041 |
| | Sample Date: | 02/18/2003 | 02/18/2003 | 02/18/2003 | 03/03/2003 | 03/03/2003 | 02/24/2003 |
| | 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 | | 50 U | 5 J | 0.5 U | 3 J | 10 U | 10 U |
| 1,1,2,2-Tetrachloroethane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 1,1,2-Trichloroethane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 1,1-Dichloroethane | | 50 U | 50 U | 0.5 U | 3 J | 10 U | 10 U |
| 1,1-Dichloroethene | | 460 | 560 | 5 | 870 J | 3 J | 10 U |
| 1,2,3-Trichlorobenzene | | | | 0.5 U | | | |
| 1,2,4-Trichlorobenzene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 1,2-Dibromo-3-chloropropane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 1,2-Dibromoethane [EDB] | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 1,2-Dichlorobenzene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 1,2-Dichloroethane | | 50 U | 50 U | 0.5 U | 10 | 10 U | 10 U |
| 1,2-Dichloropropane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 1,3-Dichlorobenzene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 1,4-Dichlorobenzene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 2-Butanone | | 50 U | 50 U | 5 U | 10 U | 10 U | 10 UJ |
| 2-Hexanone | | 50 U | 50 U | 5 U | 10 U | 10 U | 10 UJ |
| 4-Methyl-2-pentanone | | 50 U | 50 U | 5 U | 10 U | 10 U | 10 U |
| Acetone | | 50 U | 50 U | 5 UJ | 10 U | 10 U | 10 UJ |
| Benzene | | 50 U | 50 U | 0.5 U | 1 J | 10 U | 10 U |
| Bromochloromethane | | | | 0.5 U | | | |
| Bromodichloromethane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Bromoform | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Bromomethane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Carbon Disulfide | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |

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

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

| Constituent | Station ID: | MW04A | MW04B | MW04C | MW05A | MW06A | MW07A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW04A-1047 | GW103-MW04B-0075 | GW103-MW04C-0094 | GW103-MW05A-0049 | GW103-MW06A-0042 | GW103-MW07A-0041 |
| | Sample Date: | 02/18/2003 | 02/18/2003 | 02/18/2003 | 03/03/2003 | 03/03/2003 | 02/24/2003 |
| | 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 | | 50 U | 50 U | 0 5 U | 10 U | 10 U | 10 U |
| Chlorobenzene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Chlorodibromomethane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Chloroethane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Chloroform | | 25 J | 110 | 1 | 150 | 0.7 J | 10 U |
| Chloromethane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| cis-1,2-Dichloroethene | | 7 J | 5 J | 0.8 | 39 | 10 U | 0.9 J |
| cis-1,3-Dichloropropene | | 50 U | 50 U | 0.5 UJ | 10 U | 10 U | 10 U |
| Cyclohexane | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Dichlorodifluoromethane | | 50 U | 50 U | 0.2 J | 1 J | 10 U | 10 U |
| Ethane | | 0.64 U | 0 64 U | 0.64 U | 0.64 U | 0.64 U | 0.64 U |
| Ethene | | 0.67 U | 0.67 U | 0.67 U | 0.67 U | 0 67 U | 0.67 U |
| Ethylbenzene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Isopropylbenzene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Methane | | 0.42 U | 0 45 J | 0.42 U | 0.46 J | 0.42 U | 0.42 U |
| Methyl Acetate | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Methylcyclohexane | | 50 U | 50 U | 0.5 UJ | 10 U | 10 U | 10 U |
| Methylene Chloride | | 2 J | 3 J | 0.5 U | 10 U | 10 U | 0.4 J |
| Styrene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| tert-Butyl Methyl Ether | | 3 J | 16 J | 0.5 U | 2 J | 10 U | 10 U |
| Tetrachloroethene | | 580 | 840 J | 19 | 1200 | 480 J | 27 |
| Toluene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 0.4 J |
| trans-1,2-Dichloroethene | | 50 U | 50 U | 0.5 U | 2 J | 10 U | 10 U |
| trans-1,3-Dichloropropene | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Trichloroethene | | 460 | 440 | 87 | 2000 | 5 J | 4 J |

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

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

| Constituent | Station ID: | MW04A | MW04B | MW04C | MW05A | MW06A | MW07A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW04A-1047 | GW103-MW04B-0075 | GW103-MW04C-0094 | GW103-MW05A-0049 | GW103-MW06A-0042 | GW103-MW07A-0041 |
| | Sample Date: | 02/18/2003 | 02/18/2003 | 02/18/2003 | 03/03/2003 | 03/03/2003 | 02/24/2003 |
| | 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 |
| Trichlorofluoromethane | | 190 | 460 | 5 | 290 | 10 U | 10 U |
| Trichlorotnfluoroethane | | 560 | 100 J | 14 | 830 | 10 U | 2 J |
| Vinyl Chloride | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| Xylenes (total) | | 50 U | 50 U | 0.5 U | 10 U | 10 U | 10 U |
| 1,4-Dioxane | | 15 | 38 J | | 45 | 2 U | |
| Perchlorate | | 4 | 5 | 4 | 4 | 4 | 7 |
| **Inorganics (Total) (ug/l)** | | | | | | | |
| Aluminum | | 33.6 J | 831 | 275 | 73 5 J | 128 J | 57.1 U |
| Antimony | | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 U |
| Arsenic | | 4.8 U | 4.8 U | 5.5 J | 4 8 U | 4.8 U | 4.8 U |
| Barium | | 39.3 J | 59.0 J | 51.5 J | 60.3 J | 50 2 J | 21.9 J |
| Beryllium | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.19 U | 0.10 U |
| Cadmium | | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U |
| Calcium | | 145000 | 177000 | 159000 | 167000 | 219000 | 300000 |
| Chromium | | 42.8 | 29.8 | 19.8 | 12.0 | 98.5 | 3.5 J |
| Cobalt | | 1.0 U | 1.3 J | 1.1 J | 1.0 U | 1.0 U | 1.0 U |
| Copper | | 1.1 J | 2.9 J | 1.8 J | 0.62 U | 0.99 U | 0.60 U |
| Cyanide | | 1.6 J | 1.9 J | 2.4 J | 3.9 J | 1.6 U | 1.6 U |
| Iron | | 19.5 U | 1090 | 315 | 96.9 J | 152 | 18.7 U |
| Lead | | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | | 42300 | 47600 | 44900 | 47600 | 55900 | 91000 |
| Manganese | | 0.70 J | 45.0 | 9.9 J | 0.97 U | 3.3 U | 0.20 U |
| Mercury | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Nickel | | 1.5 U | 1.1 U | 1.6 U | 1.1 U | 1.1 U | 1.1 UJ |

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

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

| Constituent | Station ID: | MW04A | MW04B | MW04C | MW05A | MW06A | MW07A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW04A-1047 | GW103-MW04B-0075 | GW103-MW04C-0094 | GW103-MW05A-0049 | GW103-MW06A-0042 | GW103-MW07A-0041 |
| | Sample Date: | 02/18/2003 | 02/18/2003 | 02/18/2003 | 03/03/2003 | 03/03/2003 | 02/24/2003 |
| | 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 |
| Potassium | | 3040 J | 4450 J | 4760 J | 3940 J | 5060 | 7500 |
| Selenium | | 6.9 | 4.8 U | 5.7 | 4.8 UJ | 11.4 J | 26.3 J |
| Silver | | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U |
| Sodium | | 139000 | 97200 | 98300 | 110000 | 163000 | 216000 |
| Thallium | | 4.7 U | 6.5 U | 5.9 U | 4.7 U | 4.7 U | 4.7 U |
| Vanadium | | 4.4 J | 6.2 J | 5.3 J | 4.4 U | 3.5 U | 3.8 U |
| Zinc | | 1.4 U | 3.7 J | 2.5 J | 1.6 J | 3.5 U | 1.4 U |
| **Inorganics (Dissolved) (ug/l)** | | | | | | | |
| Aluminum | | 40.4 J | 66.1 J | 39.8 J | 57.1 U | 57.1 U | 57.1 U |
| Antimony | | 2.4 J | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 UJ |
| Arsenic | | 4.8 U | 5.0 J | 4.8 U | 4.8 U | 4.8 U | 4.8 U |
| Barium | | 39.5 J | 52.0 J | 48.4 J | 60.0 J | 48.0 J | 21.8 J |
| Beryllium | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Cadmium | | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U |
| Calcium | | 148000 | 178000 | 161000 | 169000 | 213000 | 304000 |
| Chromium | | 44.0 | 28.5 | 20.0 | 12.1 | 96.8 | 4.4 J |
| Cobalt | | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Copper | | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 UJ |
| Iron | | 18.7 U | 18.7 U | 18.7 U | 27.6 U | 27.6 U | 18.7 U |
| Lead | | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | | 43000 | 47500 | 45100 | 48000 | 55000 | 92600 |
| Manganese | | 0.20 U | 0.27 J | 0.20 U | 0.20 U | 0.20 U | 0.20 UJ |
| Mercury | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Nickel | | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 U | 1.1 UJ |
| Potassium | | 3130 J | 4290 J | 4670 J | 3940 J | 4990 J | 7780 |

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

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

| Constituent | Station ID: | MW04A | MW04B | MW04C | MW05A | MW06A | MW07A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW04A-1047 | GW103-MW04B-0075 | GW103-MW04C-0094 | GW103-MW05A-0049 | GW103-MW06A-0042 | GW103-MW07A-0041 |
| | Sample Date: | 02/18/2003 | 02/18/2003 | 02/18/2003 | 03/03/2003 | 03/03/2003 | 02/24/2003 |
| | 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 |
| Selenium | | 10.3 | 9.4 | 7.5 | 4.8 UJ | 9.8 J | 25.8 |
| Silver | | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U |
| Sodium | | 143000 | 97800 | 97400 | 111000 | 161000 | 223000 |
| Thallium | | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U |
| Vanadium | | 4.2 J | 4.3 J | 4.5 J | 4.5 U | 3.3 U | 3.6 J |
| Zinc | | 1.4 U | 1.4 U | 1.4 U | 1.4 U | 1.4 U | 1.6 U |
| **Conventional Parameters** | | | | | | | |
| Bicarbonate Alkalinity (mg/l) | | 400 | 390 | 380 | 420 | 390 | 470 |
| Carbonate Alkalinity (mg/l) | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Chloride (mg/l) | | 81 | 90 | 77 | 110 | 160 | 120 |
| Sulfate (mg/l) | | 240 | 270 | 260 | 190 | 380 | 830 |
| Sulfide (mg/l) | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Total Alkalinity (mg/l) | | 400 | 390 | 380 | 420 | 390 | 470 |
| Total Dissolved Solids (mg/l) | | 1000 | 1000 | 950 | 1000 | 1300 | 2000 J |
| Total Nitrate-N + Nitnte-N (mg/l) | | 25 | 10 | 13 | 29 | 20 J | 16 |
| Total Organic Carbon (mg/l) | | 4 | 9 | 5 | 2 U | 2 U | 1 J |

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

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

| Constituent | Station ID: | MW08A | MW08B | MW08C | MW08D | MW09A | MW09B |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW08A-0040 | GW103-MW08B-0070 | GW103-MW08C-0087 | GW103-MW08D-0116 | GW103-MW09A-0032 | GW103-MW09B-0054 |
| | Sample Date: | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/26/2003 | 02/26/2003 |
| | 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 | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,1,2,2-Tetrachloroethane | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,1,2-Trichloroethane | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,1-Dichloroethane | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,1-Dichloroethene | | 4 J | 0.9 J | 2 | 10 U | 1 | 0.5 U |
| 1,2,3-Trichlorobenzene | | | | 0.5 U | | 0.5 U | 0.5 U |
| 1,2,4-Trichlorobenzene | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,2-Dibromo-3-chloropropane | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,2-Dibromoethane [EDB] | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,2-Dichlorobenzene | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,2-Dichloroethane | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,3-Dichlorobenzene | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 1,4-Dichlorobenzene | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| 2-Butanone | | 10 U | 10 U | 3 J | 10 U | 2 J | 5 U |
| 2-Hexanone | | 10 U | 10 U | 5 U | 10 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | | 10 U | 10 U | 5 U | 10 U | 5 U | 5 U |
| Acetone | | 10 U | 10 U | 3 J | 10 U | 2 J | 5 U |
| Benzene | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Bromochloromethane | | | | 0.5 U | | 0.5 U | 0.5 U |
| Bromodichloromethane | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Bromoform | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Bromomethane | | 10 U | 10 U | 0.5 UJ | 10 U | 0.5 UJ | 0.5 U |
| Carbon Disulfide | | 10 U | 10 U | 0.5 UJ | 10 U | 0.5 UJ | 0.5 U |

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

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

| | Station ID: | MW08A | MW08B | MW08C | MW08D | MW09A | MW09B |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW08A-0040 | GW103-MW08B-0070 | GW103-MW08C-0087 | GW103-MW08D-0116 | GW103-MW09A-0032 | GW103-MW09B-0054 |
| | Sample Date: | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/26/2003 | 02/26/2003 |
| Constituent | 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 | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Chlorobenzene | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Chlorodibromomethane | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Chloroethane | | 10 UJ | 10 UJ | 0.5 UJ | 10 UJ | 0.5 UJ | 0.5 U |
| Chloroform | | 0.4 J | 10 U | 0.3 J | 0.4 J | 0.2 J | 0.2 J |
| Chloromethane | | 10 U | 10 U | 0.05 J | 10 U | 0.1 J | 0.08 J |
| cis-1,2-Dichloroethene | | 25 | 0.6 J | 2 | 10 U | 3 | 0.1 J |
| cis-1,3-Dichloropropene | | 10 U | 10 U | 0.5 UJ | 10 U | 0.5 UJ | 0.5 UJ |
| Cyclohexane | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Dichlorodifluoromethane | | 10 U | 10 U | 0.2 J | 10 U | 0.1 J | 0.3 J |
| Ethane | | 0.64 U | 0.64 U | 0.64 U | 0.64 U | 0.64 U | 0.64 U |
| Ethene | | 0.67 U | 0.67 U | 0.67 U | 0.67 U | 0.67 U | 0.67 U |
| Ethylbenzene | | 10 U | 10 U | 0.06 J | 10 U | 0.5 U | 0.5 U |
| Isopropylbenzene | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Methane | | 0.42 U | 0.42 U | 320 | 2.9 | 1500 | 1.7 |
| Methyl Acetate | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Methylcyclohexane | | 10 U | 10 U | 0.7 | 10 U | 0.5 U | 0.5 U |
| Methylene Chloride | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Styrene | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| tert-Butyl Methyl Ether | | 10 U | 10 U | 0.05 J | 10 U | 0.9 | 0.9 |
| Tetrachloroethene | | 500 | 10 | 11 | 1 J | 250 | 14 |
| Toluene | | 10 U | 10 U | 0.5 U | 10 U | 0.04 J | 0.5 U |
| trans-1,2-Dichloroethene | | 0.5 J | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| trans-1,3-Dichloropropene | | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Trichloroethene | | 100 | 2 J | 3 | 19 | 21 | 2 |

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

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

| Station ID: | MW08A | MW08B | MW08C | MW08D | MW09A | MW09B |
|---|---|---|---|---|---|---|
| Sample ID: | GW103-MW08A-0040 | GW103-MW08B-0070 | GW103-MW08C-0087 | GW103-MW08D-0116 | GW103-MW09A-0032 | GW103-MW09B-0054 |
| Sample Date: | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/26/2003 | 02/26/2003 |
| **Constituent** 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 |
| Trichlorofluoromethane | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Trichlorotrifluoroethane | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Vinyl Chloride | 10 U | 10 U | 0.5 U | 10 U | 0.5 U | 0.5 U |
| Xylenes (total) | 10 U | 10 U | 0.08 J | 10 U | 0.5 U | 0.5 U |
| 1,4-Dioxane | 2 U | | | | | |
| Perchlorate | 4 | 5 | 4 | 2 | 1 J | 4 |
| **Inorganics (Total) (ug/l)** | | | | | | |
| Aluminum | 162 J | 124 J | 57.1 U | 57.1 U | 200 | 57.1 U |
| Antimony | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 U |
| Arsenic | 4.8 U | 4.8 U | 5.0 J | 4.8 U | 4.8 U | 4.8 U |
| Barium | 64.1 J | 28.8 J | 26.4 J | 99.2 J | 33.6 J | 30.7 J |
| Beryllium | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Cadmium | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U |
| Calcium | 216000 | 217000 | 212000 | 155000 | 213000 | 226000 |
| Chromium | 56.8 J | 8.4 J | 4.7 J | 0.77 J | 0.60 U | 6.2 J |
| Cobalt | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Copper | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 2.7 J | 0.60 U |
| Cyanide | 1.6 U | 1.6 U | 2.2 J | 1.6 U | 1.6 U | 4.0 J |
| Iron | 229 | 79.9 J | 99.6 J | 18.7 U | 160 | 18.7 U |
| Lead | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | 55100 | 58100 | 55500 | 43100 | 58100 | 54100 |
| Manganese | 1.8 J | 3.8 J | 56.6 | 338 | 496 | 0.20 U |
| Mercury | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Nickel | 1.1 UJ | 1.1 UJ | 1.1 UJ | 1.1 UJ | 1.1 J | 1.1 UJ |

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

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

| Constituent | Station ID: | MW08A | MW08B | MW08C | MW08D | MW09A | MW09B |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW08A-0040 | GW103-MW08B-0070 | GW103-MW08C-0087 | GW103-MW08D-0116 | GW103-MW09A-0032 | GW103-MW09B-0054 |
| | Sample Date: | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/26/2003 | 02/26/2003 |
| | 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 |
| Potassium | | 5530 | 5360 | 5410 | 4380 J | 8100 | 6010 |
| Selenium | | 51.0 J | 10.3 J | 8.8 J | 25.3 J | 8.8 J | 9.2 J |
| Silver | | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.67 J | 0.60 U |
| Sodium | | 163000 | 122000 | 128000 | 73000 | 169000 | 131000 |
| Thallium | | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U |
| Vanadium | | 2.5 J | 3.2 J | 2.3 J | 2.6 J | 2.5 J | 2.8 J |
| Zinc | | 1.4 U | 1.4 U | 1.8 U | 1.7 U | 18.5 J | 2.0 J |
| **Inorganics (Dissolved) (ug/l)** | | | | | | | |
| Aluminum | | 57.1 U | 57.1 U | 57.1 U | 57.1 U | 57.1 U | 57.1 U |
| Antimony | | 2.3 UJ | 2.3 UJ | 2.3 UJ | 2.3 UJ | 2.3 UJ | 2.3 UJ |
| Arsenic | | 4.8 U | 4.8 U | 4.8 U | 4.8 U | 4.8 U | 4.8 U |
| Barium | | 64.0 J | 27.7 J | 25.7 J | 98.6 J | 30.1 J | 29.9 J |
| Beryllium | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Cadmium | | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U |
| Calcium | | 218000 | 216000 | 208000 | 155000 | 207000 | 221000 |
| Chromium | | 56.9 | 8.3 J | 4.9 J | 0.60 U | 0.69 J | 6.8 J |
| Cobalt | | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Copper | | 0.60 UJ | 0.60 UJ | 0.60 UJ | 0.60 UJ | 1.6 J | 0.97 J |
| Iron | | 18.7 U | 18.7 U | 39.8 J | 18.7 U | 18.7 U | 18.7 U |
| Lead | | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | | 55500 | 57300 | 54200 | 42900 | 56300 | 52800 |
| Manganese | | 0.20 UJ | 0.20 UJ | 49.2 | 329 | 350 | 0.20 UJ |
| Mercury | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Nickel | | 1.1 UJ | 1.1 UJ | 1.1 UJ | 1.1 UJ | 1.1 UJ | 1.1 UJ |
| Potassium | | 5590 | 5280 | 5270 | 4330 | 7680 | 5900 |

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

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

| Constituent | Station ID: | MW08A | MW08B | MW08C | MW08D | MW09A | MW09B |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW08A-0040 | GW103-MW08B-0070 | GW103-MW08C-0087 | GW103-MW08D-0116 | GW103-MW09A-0032 | GW103-MW09B-0054 |
| | Sample Date: | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/25/2003 | 02/26/2003 | 02/26/2003 |
| | 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 |
| Selenium | | 52.0 | 5.0 J | 8.3 | 25.4 | 6.4 | 5.4 |
| Silver | | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U |
| Sodium | | 166000 | 121000 | 125000 | 72400 | 163000 | 128000 |
| Thallium | | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U |
| Vanadium | | 2.5 J | 3.0 J | 2.3 J | 2.2 J | 2.0 J | 2.9 J |
| Zinc | | 1.4 U | 1.4 U | 2.2 U | 2.4 U | 14.4 J | 1.4 U |
| **Conventional Parameters** | | | | | | | |
| Bicarbonate Alkalinity (mg/l) | | 520 | 380 | 380 | 260 | 510 | 400 |
| Carbonate Alkalinity (mg/l) | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Chloride (mg/l) | | 130 | 120 | 99 | 71 | 120 | 100 |
| Sulfate (mg/l) | | 320 | 440 | 420 | 320 | 400 | 450 |
| Sulfide (mg/l) | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Total Alkalinity (mg/l) | | 520 | 380 | 380 | 260 | 510 | 400 |
| Total Dissolved Solids (mg/l) | | 1300 | 1300 | 1200 | 900 | 1300 | 1300 |
| Total Nitrate-N + Nitrite-N (mg/l) | | 22 | 16 | 15 | 10 | 3 | 23 |
| Total Organic Carbon (mg/l) | | 5 | 4 | 2 U | 1 J | 2 U | 2 U |

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

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

| Constituent | Station ID: | MW10A | MW11A | N/A | N/A | N/A | N/A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW10A-0057 | GW103-MW11A-0045 | GW103-MW01A-2006 | GW103-MW02A-2007 | GW103-MW03A-2004 | GW103-MW04A-2001 |
| | Sample Date: | 02/24/2003 | 02/24/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| | 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 | | 0.1 J | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1,2,2-Tetrachloroethane | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1,2-Trichloroethane | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloroethane | | 2 U | 0.09 J | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,1-Dichloroethene | | 23 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2,3-Trichlorobenzene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2,4-Trichlorobenzene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dibromo-3-chloropropane | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dibromoethane [EDB] | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichlorobenzene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloroethane | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,2-Dichloropropane | | 2 U | 0.5 U | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U |
| 1,3-Dichlorobenzene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,4-Dichlorobenzene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 2-Butanone | | 18 U | 5 U | 4 J | 5 U | 5 U | 5 U |
| 2-Hexanone | | 18 U | 5 U | 5 U | 5 U | 5 U | 5 U |
| 4-Methyl-2-pentanone | | 18 U | 5 UJ | 5 U | 5 U | 5 U | 5 U |
| Acetone | | 9 J | 5 U | 3 J | 5 U | 5 U | 5 UJ |
| Benzene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromochloromethane | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Bromodichloromethane | | 2 U | 0.5 U | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U |
| Bromoform | | 2 U | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U | 0.5 UJ |
| Bromomethane | | 2 U | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U | 0.5 U |
| Carbon Disulfide | | 2 U | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U | 0.5 U |

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

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

| | Station ID: | MW10A | MW11A | N/A | N/A | N/A | N/A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW10A-0057 | GW103-MW11A-0045 | GW103-MW01A-2006 | GW103-MW02A-2007 | GW103-MW03A-2004 | GW103-MW04A-2001 |
| | Sample Date: | 02/24/2003 | 02/24/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| 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 |
| Carbon Tetrachloride | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorobenzene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chlorodibromomethane | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Chloroethane | | 2 U | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U | 0.5 U |
| Chloroform | | 0.9 J | 0.3 J | 0.5 | 0.5 J | 0.5 | 0.6 |
| Chloromethane | | 2 U | 0.5 U | 0.5 UJ | 0.05 J | 0.5 U | 0.5 U |
| cis-1,2-Dichloroethene | | 1 J | 1 | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| cis-1,3-Dichloropropene | | 2 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ |
| Cyclohexane | | 2 U | 0.5 U | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U |
| Dichlorodifluoromethane | | 2 U | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U | 0.5 U |
| Ethane | | 0.64 U | 0.64 U | 0.64 U | 0.64 U | 0.64 U | 0.64 U |
| Ethene | | 0.67 U | 0.67 U | 0.67 U | 0.67 U | 0.67 U | 0.67 U |
| Ethylbenzene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Isopropylbenzene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Methane | | 0.42 U | 0.42 U | 2.4 | 2.1 | 2.4 | 2.6 |
| Methyl Acetate | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Methylcyclohexane | | 2 U | 0.5 U | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U |
| Methylene Chloride | | 2 U | 0.5 U | 0.5 U | 0.07 J | 0.5 U | 0.1 J |
| Styrene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| tert-Butyl Methyl Ether | | 3 | 0.4 J | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Tetrachloroethene | | 55 | 8 | 0.04 J | 0.5 U | 0.5 U | 0.5 U |
| Toluene | | 0.1 J | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| trans-1,2-Dichloroethene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| trans-1,3-Dichloropropene | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trichloroethene | | 34 | 2 | 0.5 U | 0.5 UJ | 0.5 U | 0.5 U |

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

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

| Constituent | Station ID: | MW10A | MW11A | N/A | N/A | N/A | N/A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW10A-0057 | GW103-MW11A-0045 | GW103-MW01A-2006 | GW103-MW02A-2007 | GW103-MW03A-2004 | GW103-MW04A-2001 |
| | Sample Date: | 02/24/2003 | 02/24/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| | 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 |
| Trichlorofluoromethane | | 19 | 0.5 | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Trichlorotrifluoroethane | | 36 | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Vinyl Chloride | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| Xylenes (total) | | 2 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 0.5 U |
| 1,4-Dioxane | | 7 | | | | | |
| Perchlorate | | 4 | 5 | | | | |
| **Inorganics (Total) (ug/l)** | | | | | | | |
| Aluminum | | 58.1 J | 57.1 U | | | | |
| Antimony | | 2.3 U | 2.3 U | | | | |
| Arsenic | | 4.8 U | 4.8 U | | | | |
| Barium | | 31.6 J | 24.9 J | | | | |
| Beryllium | | 0.10 U | 0.10 U | | | | |
| Cadmium | | 0.30 U | 0.30 U | | | | |
| Calcium | | 218000 | 248000 | | | | |
| Chromium | | 6.0 J | 0.60 U | | | | |
| Cobalt | | 1.0 U | 1.0 U | | | | |
| Copper | | 0.60 U | 0.60 U | | | | |
| Cyanide | | 1.6 U | 1.6 U | | | | |
| Iron | | 18.7 U | 18.7 U | | | | |
| Lead | | 2.2 U | 2.2 U | | | | |
| Magnesium | | 62700 | 69600 | | | | |
| Manganese | | 4.5 J | 0.20 U | | | | |
| Mercury | | 0.10 U | 0.10 U | | | | |
| Nickel | | 1.1 UJ | 1.1 UJ | | | | |

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

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

| Constituent | Station ID: | MW10A | MW11A | N/A | N/A | N/A | N/A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW10A-0057 | GW103-MW11A-0045 | GW103-MW01A-2006 | GW103-MW02A-2007 | GW103-MW03A-2004 | GW103-MW04A-2001 |
| | Sample Date: | 02/24/2003 | 02/24/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| | 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 |
| Potassium | | 6820 | 6200 | | | | |
| Selenium | | 17.4 J | 25.0 J | | | | |
| Silver | | 0.60 U | 0.60 U | | | | |
| Sodium | | 179000 | 173000 | | | | |
| Thallium | | 4.7 U | 4.7 U | | | | |
| Vanadium | | 2.6 J | 2.5 J | | | | |
| Zinc | | 2.0 U | 1.4 U | | | | |
| **Inorganics (Dissolved) (ug/l)** | | | | | | | |
| Aluminum | | 57.1 U | 57.1 U | | | | |
| Antimony | | 2.3 UJ | 2.3 UJ | | | | |
| Arsenic | | 4.8 U | 4.8 U | | | | |
| *Barium* | | *30.6 J* | *24.4 J* | | | | |
| Beryllium | | 0.10 U | 0.10 U | | | | |
| Cadmium | | 0.30 U | 0.30 U | | | | |
| Calcium | | 218000 | 249000 | | | | |
| Chromium | | 6.2 J | 0.61 J | | | | |
| Cobalt | | 1.0 U | 1.0 U | | | | |
| Copper | | 0.82 J | 0.60 UJ | | | | |
| *Iron* | | *18.7 U* | *18.7 U* | | | | |
| Lead | | 2.2 U | 2.2 U | | | | |
| Magnesium | | 62200 | 69500 | | | | |
| Manganese | | 0.20 UJ | 0.20 U | | | | |
| Mercury | | 0.10 U | 0.10 U | | | | |
| Nickel | | 1.1 J | 1.1 U | | | | |
| Potassium | | 6720 | 6150 | | | | |

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

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

| Constituent | Station ID: | MW10A | MW11A | N/A | N/A | N/A | N/A |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW10A-0057 | GW103-MW11A-0045 | GW103-MW01A-2006 | GW103-MW02A-2007 | GW103-MW03A-2004 | GW103-MW04A-2001 |
| | Sample Date: | 02/24/2003 | 02/24/2003 | 02/26/2003 | 03/03/2003 | 02/24/2003 | 02/18/2003 |
| | 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 |
| Selenium | | 15 2 | 22.1 | | | | |
| Silver | | 0 60 U | 0.60 U | | | | |
| Sodium | | 178000 | 173000 | | | | |
| Thallium | | 4 7 U | 4.7 U | | | | |
| Vanadium | | 3.3 J | 2 3 J | | | | |
| Zinc | | 2.1 U | 1 4 U | | | | |
| **Conventional Parameters** | | | | | | | |
| Bicarbonate Alkalinity (mg/l) | | 340 | 410 | | | | |
| Carbonate Alkalinity (mg/l) | | 10 U | 10 U | | | | |
| Chloride (mg/l) | | 78 | 92 | | | | |
| Sulfate (mg/l) | | 610 | 640 | | | | |
| Sulfide (mg/l) | | 1 U | 1 U | | | | |
| Total Alkalinity (mg/l) | | 340 | 410 | | | | |
| Total Dissolved Solids (mg/l) | | 1500 | 1600 | | | | |
| Total Nitrate-N + Nitrite-N (mg/l) | | 12 | 10 | | | | |
| Total Organic Carbon (mg/l) | | 2 U | 2 U | | | | |

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

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

| Constituent | Station ID: | N/A | N/A | N/A | N/A | OW1A | OW1B |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW08B-2005 | GW103-OW2-2002 | GW103-OW6-2003 | GW103-OW7-4001 | GW103-OW1A-0080 | GW103-OW1B-0116 |
| | Sample Date: | 02/25/2003 | 02/19/2003 | 02/21/2003 | 02/21/2003 | 02/19/2003 | 02/19/2003 |
| | Depth (feet): | N/A to N/A | N/A to N/A | N/A to N/A | N/A to N/A | 80 to N/A | 116 to N/A |
| **Volatile Organic Compounds (ug/l)** | | | | | | | |
| 1,1,1-Trichloroethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 4600 J | 10 U |
| 1,1,2,2-Tetrachloroethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,1,2-Trichloroethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,1-Dichloroethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,1-Dichloroethene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 830 J | 1 J |
| 1,2,3-Trichlorobenzene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | | |
| 1,2,4-Trichlorobenzene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,2-Dibromo-3-chloropropane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,2-Dibromoethane [EDB] | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,2-Dichlorobenzene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,2-Dichloroethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,2-Dichloropropane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,3-Dichlorobenzene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,4-Dichlorobenzene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 2-Butanone | | 3 J | 5 U | 5 U | 5 U | 10000 UJ | 10 UJ |
| 2-Hexanone | | 5 U | 5 U | 5 U | 5 U | 10000 UJ | 10 UJ |
| 4-Methyl-2-pentanone | | 5 U | 5 U | 5 U | 5 U | 10000 U | 10 U |
| Acetone | | 2 J | 5 UJ | 5 UJ | 5 UJ | 10000 UJ | 10 UJ |
| Benzene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 0.3 J |
| Bromochloromethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | | |
| Bromodichloromethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Bromoform | | 0.5 U | 0.5 UJ | 0.5 U | 0.5 UJ | 10000 U | 10 U |
| Bromomethane | | 0.5 UJ | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Carbon Disulfide | | 0.07 J | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |

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

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

| | Station ID: | N/A | N/A | N/A | N/A | OW1A | OW1B |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW08B-2005 | GW103-OW2-2002 | GW103-OW6-2003 | GW103-OW7-4001 | GW103-OW1A-0080 | GW103-OW1B-0116 |
| | Sample Date: | 02/25/2003 | 02/19/2003 | 02/21/2003 | 02/21/2003 | 02/19/2003 | 02/19/2003 |
| Constituent | Depth (feet): | N/A to N/A | N/A to N/A | N/A to N/A | N/A to N/A | 80 to N/A | 116 to N/A |
| Carbon Tetrachloride | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Chlorobenzene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Chlorodibromomethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Chloroethane | | 0.5 UJ | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Chloroform | | 0.5 | 0.4 J | 0.5 J | 0.5 U | 10000 U | 10 U |
| Chloromethane | | 0.5 UJ | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| cis-1,2-Dichloroethene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| cis-1,3-Dichloropropene | | 0.5 UJ | 0.5 UJ | 0.5 UJ | 0.5 UJ | 10000 U | 10 U |
| Cyclohexane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Dichlorodifluoromethane | | 0.5 UJ | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Ethane | | 0.64 U | 0.64 U | 0.64 U | | 2.6 | 0.64 U |
| Ethene | | 0.67 U | 0.67 U | 0.67 U | | 0.67 U | 0.67 U |
| Ethylbenzene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Isopropylbenzene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Methane | | 2.3 | 2.2 | 2.5 | | 2.4 | 1300 |
| Methyl Acetate | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Methylcyclohexane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Methylene Chloride | | 0.07 J | 0.1 J | 0.1 J | 0.2 J | 340 J | 0.8 J |
| Styrene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| tert-Butyl Methyl Ether | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Tetrachloroethene | | 0.5 U | 0.5 UJ | 2 J | 0.5 UJ | 82000 J | 28 J |
| Toluene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 0.4 J |
| trans-1,2-Dichloroethene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| trans-1,3-Dichloropropene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Trichloroethene | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 2400 J | 2 J |

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

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

| Constituent | Station ID: | N/A | N/A | N/A | N/A | OW1A | OW1B |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW08B-2005 | GW103-OW2-2002 | GW103-OW6-2003 | GW103-OW7-4001 | GW103-OW1A-0080 | GW103-OW1B-0116 |
| | Sample Date: | 02/25/2003 | 02/19/2003 | 02/21/2003 | 02/21/2003 | 02/19/2003 | 02/19/2003 |
| | Depth (feet): | N/A to N/A | N/A to N/A | N/A to N/A | N/A to N/A | 80 to N/A | 116 to N/A |
| Trichlorofluoromethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Trichlorotrifluoroethane | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Vinyl Chloride | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| Xylenes (total) | | 0.5 U | 0.5 U | 0.5 U | 0.5 U | 10000 U | 10 U |
| 1,4-Dioxane | | | | | | 70000 | 17 |
| Perchlorate | | | | | | 2 | 2 |
| **Inorganics (Total) (ug/l)** | | | | | | | |
| Aluminum | | | | | | 942 | 1340 |
| Antimony | | | | | | 2.3 U | 2.3 U |
| Arsenic | | | | | | 4.8 U | 4.8 U |
| Barium | | | | | | 65.8 J | 39.5 J |
| Beryllium | | | | | | 0.10 U | 0.10 U |
| Cadmium | | | | | | 0.30 U | 0.30 U |
| Calcium | | | | | | 188000 | 96800 |
| Chromium | | | | | | 5.1 J | 3.4 J |
| Cobalt | | | | | | 4.9 J | 1.6 J |
| Copper | | | | | | 2.2 J | 5.2 J |
| Cyanide | | | | | | 1.9 J | 1.6 U |
| Iron | | | | | | 5660 | 11500 |
| Lead | | | | | | 2.2 U | 2.2 U |
| Magnesium | | | | | | 46700 | 52800 |
| Manganese | | | | | | 734 | 449 |
| Mercury | | | | | | 0.10 U | 0.10 U |
| Nickel | | | | | | 26.5 J | 5.2 U |

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

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

| Constituent | Station ID: | N/A | N/A | N/A | N/A | OW1A | OW1B |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW08B-2005 | GW103-OW2-2002 | GW103-OW6-2003 | GW103-OW7-4001 | GW103-OW1A-0080 | GW103-OW1B-0116 |
| | Sample Date: | 02/25/2003 | 02/19/2003 | 02/21/2003 | 02/21/2003 | 02/19/2003 | 02/19/2003 |
| | Depth (feet): | N/A to N/A | N/A to N/A | N/A to N/A | N/A to N/A | 80 to N/A | 116 to N/A |
| Potassium | | | | | | 3920 J | 3920 J |
| Selenium | | | | | | 4.8 U | 5.4 |
| Silver | | | | | | 0.60 U | 0.60 U |
| Sodium | | | | | | 120000 | 112000 |
| Thallium | | | | | | 4.9 U | 6.9 U |
| Vanadium | | | | | | 9.4 J | 5.6 J |
| Zinc | | | | | | 7.6 J | 49.2 |
| **Inorganics (Dissolved) (ug/l)** | | | | | | | |
| Aluminum | | | | | | 26.0 J | 82.7 J |
| Antimony | | | | | | 2.3 U | 2.3 U |
| Arsenic | | | | | | 4.8 U | 4.8 U |
| Barium | | | | | | 51.2 J | 307 |
| Beryllium | | | | | | 0.10 U | 0.10 U |
| Cadmium | | | | | | 0.30 U | 0.30 U |
| Calcium | | | | | | 170000 | 94700 |
| Chromium | | | | | | 0.60 U | 0.60 U |
| Cobalt | | | | | | 3.5 U | 1.0 U |
| Copper | | | | | | 0.60 U | 0.60 U |
| Iron | | | | | | 501 | 349 |
| Lead | | | | | | 2.2 U | 2.2 U |
| Magnesium | | | | | | 45100 | 51100 |
| Manganese | | | | | | 618 | 278 |
| Mercury | | | | | | 0.10 U | 0.10 U |
| Nickel | | | | | | 19.0 J | 1.3 J |
| Potassium | | | | | | 3580 J | 3540 J |

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

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

| Constituent | Station ID: | N/A | N/A | N/A | N/A | OW1A | OW1B |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-MW08B-2005 | GW103-OW2-2002 | GW103-OW6-2003 | GW103-OW7-4001 | GW103-OW1A-0080 | GW103-OW1B-0116 |
| | Sample Date: | 02/25/2003 | 02/19/2003 | 02/21/2003 | 02/21/2003 | 02/19/2003 | 02/19/2003 |
| | Depth (feet): | N/A to N/A | N/A to N/A | N/A to N/A | N/A to N/A | 80 to N/A | 116 to N/A |
| Selenium | | | | | | 6.4 | 7.7 |
| Silver | | | | | | 0.60 U | 0.60 U |
| Sodium | | | | | | 118000 | 111000 |
| Thallium | | | | | | 4.7 U | 4.7 U |
| Vanadium | | | | | | 5.3 J | 0.52 J |
| Zinc | | | | | | 6.8 J | 102 |
| **Conventional Parameters** | | | | | | | |
| Bicarbonate Alkalinity (mg/l) | | | | | | 530 | 230 |
| Carbonate Alkalinity (mg/l) | | | | | | 10 U | 10 U |
| Chloride (mg/l) | | | | | | 130 | 58 |
| Sulfate (mg/l) | | | | | | 140 | 330 |
| Sulfide (mg/l) | | | | | | 1 U | 1 U |
| Total Alkalinity (mg/l) | | | | | | 530 | 230 |
| Total Dissolved Solids (mg/l) | | | | | | 1000 | 870 |
| Total Nitrate-N + Nitrite-N (mg/l) | | | | | | 14 | 5 |
| Total Organic Carbon (mg/l) | | | | | | 7 | 3 |

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

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

| Constituent | Station ID: | OW2 | OW3 | OW4A | OW4B | OW5 | OW5 |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-OW2-0078 | GW103-OW3-0080 | GW103-OW4A-0073 | GW103-OW4B-0125 | GW103-OW5-0048 | GW103-OW5-1048 |
| | Sample Date: | 02/19/2003 | 02/20/2003 | 02/20/2003 | 02/20/2003 | 02/21/2003 | 02/21/2003 |
| | Depth (feet): | 78 to N/A | 80 to N/A | 73 to N/A | 125 to N/A | 48 to N/A | 48 to N/A |
| **Volatile Organic Compounds (ug/l)** | | | | | | | |
| 1,1,1-Trichloroethane | | 4 J | 7 J | 10 U | 0.7 | 0.6 J | 10 U |
| 1,1,2,2-Tetrachloroethane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| 1,1,2-Trichloroethane | | 50 U | 50 U | 10 U | 0.5 UJ | 10 U | 10 U |
| 1,1-Dichloroethane | | 50 U | 50 U | 10 U | 0.5 U | 0.7 J | 0.8 J |
| 1,1-Dichloroethene | | 520 | 950 | 4 J | 12 | 130 | 140 |
| 1,2,3-Trichlorobenzene | | | | | 0.5 U | | |
| 1,2,4-Trichlorobenzene | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| 1,2-Dibromo-3-chloropropane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| 1,2-Dibromoethane [EDB] | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| 1,2-Dichlorobenzene | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| 1,2-Dichloroethane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 2 J |
| 1,2-Dichloropropane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| 1,3-Dichlorobenzene | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| 1,4-Dichlorobenzene | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| 2-Butanone | | 50 U | 50 U | 10 UJ | 2 J | 10 UJ | 10 UJ |
| 2-Hexanone | | 50 U | 50 U | 10 UJ | 5 U | 10 UJ | 10 UJ |
| 4-Methyl-2-pentanone | | 50 U | 50 U | 10 U | 0.2 J | 10 U | 10 U |
| Acetone | | 50 U | 50 U | 250 J | 270 | 13 J | 10 UJ |
| Benzene | | 50 U | 50 U | 0.5 J | 0.7 | 0.4 J | 0.4 J |
| Bromochloromethane | | | | | 0.5 U | | |
| Bromodichloromethane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Bromoform | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Bromomethane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Carbon Disulfide | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |

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

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

| | Station ID: | OW2 | OW3 | OW4A | OW4B | OW5 | OW5 |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-OW2-0078 | GW103-OW3-0080 | GW103-OW4A-0073 | GW103-OW4B-0125 | GW103-OW5-0048 | GW103-OW5-1048 |
| | Sample Date: | 02/19/2003 | 02/20/2003 | 02/20/2003 | 02/20/2003 | 02/21/2003 | 02/21/2003 |
| **Constituent** | Depth (feet): | 78 to N/A | 80 to N/A | 73 to N/A | 125 to N/A | 48 to N/A | 48 to N/A |
| Carbon Tetrachloride | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Chlorobenzene | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Chlorodibromomethane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Chloroethane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Chloroform | | 50 U | 5 J | 10 U | 0.5 U | 25 | 24 |
| Chloromethane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| cis-1,2-Dichloroethene | | 50 U | 50 U | 10 U | 0.1 J | 110 | 110 |
| cis-1,3-Dichloropropene | | 50 U | 50 U | 10 U | 0.5 UJ | 10 U | 10 U |
| Cyclohexane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Dichlorodifluoromethane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Ethane | | 0.64 U | 0.64 U | 0.64 U | 0.64 U | 0.64 U | 0.64 U |
| Ethene | | 0.67 U | 0.67 U | 0.67 U | 0.67 U | 0.67 U | 0.67 U |
| Ethylbenzene | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Isopropylbenzene | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Methane | | 0.42 U | 0.42 U | 0.42 U | 7400 | 0.42 U | 0.42 U |
| Methyl Acetate | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Methylcyclohexane | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Methylene Chloride | | 3 J | 3 J | 10 U | 0.5 U | 1 J | 0.6 J |
| Styrene | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| tert-Butyl Methyl Ether | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Tetrachloroethene | | 1600 J | 1600 J | 19 | 35 J | 430 J | 450 J |
| Toluene | | 50 U | 50 U | 0.5 J | 0.5 U | 0.5 J | 0.5 J |
| trans-1,2-Dichloroethene | | 50 U | 50 U | 10 U | 0.5 U | 5 J | 4 J |
| trans-1,3-Dichloropropene | | 50 U | 50 U | 10 U | 0.5 UJ | 10 U | 10 U |
| Trichloroethene | | 150 | 190 | 2 J | 3 | 960 | 1100 |

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

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

| Constituent | Station ID: | OW2 | OW3 | OW4A | OW4B | OW5 | OW5 |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-OW2-0078 | GW103-OW3-0080 | GW103-OW4A-0073 | GW103-OW4B-0125 | GW103-OW5-0048 | GW103-OW5-1048 |
| | Sample Date: | 02/19/2003 | 02/20/2003 | 02/20/2003 | 02/20/2003 | 02/21/2003 | 02/21/2003 |
| | Depth (feet): | 78 to N/A | 80 to N/A | 73 to N/A | 125 to N/A | 48 to N/A | 48 to N/A |
| Trichlorofluoromethane | | 170 | 180 | 10 U | 2 | 120 | 120 |
| Trichlorotrifluoroethane | | 640 | 330 | 1 J | 25 | 370 | 410 |
| Vinyl Chloride | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| Xylenes (total) | | 50 U | 50 U | 10 U | 0.5 U | 10 U | 10 U |
| 1,4-Dioxane | | | | 4 J | | 6 | 6 |
| Perchlorate | | 4 | 3 | 2 | 3 | 4 | 4 |
| **Inorganics (Total) (ug/l)** | | | | | | | |
| Aluminum | | 93.0 J | 1290 | 79.7 J | 49.3 J | 154 J | 144 J |
| Antimony | | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 U |
| Arsenic | | 4.8 U | 4.8 U | 4.8 U | 4.8 J | 4.8 U | 4.8 U |
| Barium | | 39.3 J | 39.1 J | 39.0 J | 23.0 J | 64.2 J | 61.9 J |
| Beryllium | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Cadmium | | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U |
| Calcium | | 144000 | 182000 | 153000 | 100000 | 144000 | 142000 |
| Chromium | | 3.5 J | 16.8 | 10.6 | 3.6 J | 45.1 | 46.6 |
| Cobalt | | 1.0 U | 1.7 J | 1.0 U | 1.0 U | 1.0 U | 1.2 J |
| Copper | | 1.1 U | 18.2 J | 1.2 U | 1.7 J | 1.4 J | 1.1 J |
| Cyanide | | 2.0 J | 1.6 U | 1.6 U | 1.6 U | 1.6 U | 1.6 U |
| Iron | | 89.5 U | 10400 | 21.6 U | 307 | 563 | 539 |
| Lead | | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | | 54100 | 60100 | 47200 | 59800 | 42700 | 42100 |
| Manganese | | 0.98 J | 45.9 | 1.4 J | 5.5 J | 12.3 J | 11.4 J |
| Mercury | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Nickel | | 2.0 J | 11.0 J | 1.7 J | 1.4 U | 89.9 | 85.6 |

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

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

| Constituent | Station ID: | OW2 | OW3 | OW4A | OW4B | OW5 | OW5 |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-OW2-0078 | GW103-OW3-0080 | GW103-OW4A-0073 | GW103-OW4B-0125 | GW103-OW5-0048 | GW103-OW5-1048 |
| | Sample Date: | 02/19/2003 | 02/20/2003 | 02/20/2003 | 02/20/2003 | 02/21/2003 | 02/21/2003 |
| | Depth (feet): | 78 to N/A | 80 to N/A | 73 to N/A | 125 to N/A | 48 to N/A | 48 to N/A |
| Potassium | | 2520 J | 3060 J | 3120 | 3030 J | 3090 J | 3040 J |
| Selenium | | 8.1 | 7.6 | 4.8 U | 6.6 | 9.4 J | 4.8 U |
| Silver | | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U | 0.60 U |
| Sodium | | 74000 | 75900 | 106000 | 128000 | 102000 | 99400 |
| Thallium | | 8.5 U | 7.2 U | 7.1 U | 5.2 U | 4.7 U | 4.7 U |
| Vanadium | | 5.6 J | 11.2 J | 4.5 J | 6.8 J | 5.9 J | 6.2 J |
| Zinc | | 1.4 U | 9.2 J | 1.4 U | 7.8 J | 1.4 J | 1.4 U |
| **Inorganics (Dissolved) (ug/l)** | | | | | | | |
| Aluminum | | 84.0 J | 80.5 J | 54.8 J | 52.9 J | 57.1 U | 57.1 U |
| Antimony | | 2.3 U | 2.3 U | 2.3 U | 2.3 U | 2.3 UJ | 2.3 UJ |
| Arsenic | | 4.8 U | 4.8 U | 4.8 U | 4.8 U | 4.8 U | 4.8 U |
| Barium | | 39.3 J | 22.7 J | 38.8 J | 22.1 J | 61.2 J | 59.9 J |
| Beryllium | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Cadmium | | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U | 0.30 U |
| Calcium | | 145000 | 185000 | 152000 | 97400 | 143000 | 141000 |
| Chromium | | 3.6 J | 5.2 J | 10.5 | 3.7 J | 19.8 | 19.9 |
| Cobalt | | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U | 1.0 U |
| Copper | | 0.72 J | 0.60 U | 1.1 J | 0.83 J | 0.60 UJ | 0.60 UJ |
| Iron | | 18.7 U | 148 | 18.7 U | 34.7 J | 18.7 U | 18.7 U |
| Lead | | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | | 54100 | 60300 | 46600 | 58800 | 42400 | 41600 |
| Manganese | | 5.1 J | 5.0 J | 2.6 J | 3.9 J | 4.5 J | 5.1 J |
| Mercury | | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U | 0.10 U |
| Nickel | | 1.1 U | 2.0 J | 1.2 J | 1.1 U | 61.1 | 64.6 |
| Potassium | | 2540 J | 2670 J | 3100 J | 3000 J | 3000 J | 2930 J |

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

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

| Constituent | Station ID: | OW2 | OW3 | OW4A | OW4B | OW5 | OW5 |
|---|---|---|---|---|---|---|---|
| | Sample ID: | GW103-OW2-0078 | GW103-OW3-0080 | GW103-OW4A-0073 | GW103-OW4B-0125 | GW103-OW5-0048 | GW103-OW5-1048 |
| | Sample Date: | 02/19/2003 | 02/20/2003 | 02/20/2003 | 02/20/2003 | 02/21/2003 | 02/21/2003 |
| | Depth (feet): | 78 to N/A | 80 to N/A | 73 to N/A | 125 to N/A | 48 to N/A | 48 to N/A |
| Selenium | | 7.4 | 8.3 | 4.8 U | 11.0 | 4.4 J | 3.6 U |
| Silver | | 0.60 U | 0.60 U | 0.70 U | 0.60 U | 0.60 U | 0.60 U |
| Sodium | | 73800 | 75700 | 104000 | 125000 | 98900 | 97200 |
| Thallium | | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U | 4.7 U |
| Vanadium | | 5.5 J | 4.9 J | 4.5 J | 6.2 J | 5.2 J | 5.2 J |
| Zinc | | 5.1 J | 1.4 U | 4.0 J | 1.4 U | 2.1 U | 1.4 U |
| **Conventional Parameters** | | | | | | | |
| Bicarbonate Alkalinity (mg/l) | | 360 | 340 | 480 | 260 | 400 | 400 |
| Carbonate Alkalinity (mg/l) | | 10 U | 10 U | 10 U | 10 U | 10 U | 10 U |
| Chloride (mg/l) | | 66 | 56 | 67 | 96 | 74 | 73 |
| Sulfate (mg/l) | | 240 | 390 | 170 | 310 | 160 | 160 |
| Sulfide (mg/l) | | 1 U | 1 U | 1 U | 1 U | 1 U | 1 U |
| Total Alkalinity (mg/l) | | 360 | 340 | 480 | 260 | 400 | 400 |
| Total Dissolved Solids (mg/l) | | 910 | 1100 | 920 | 960 | 860 | 870 |
| Total Nitrate-N + Nitrite-N (mg/l) | | 13 | 9 | 18 | 8 | 19 | 21 |
| Total Organic Carbon (mg/l) | | 4 | 75 | 4 | 6 | 3 | 2 |

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

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

| Constituent | Station ID: | OW6 | OW7 | OW8 |
|---|---|---|---|---|
| | Sample ID: | GW103-OW6-0048 | GW103-OW7-0081 | GW103-OW8-0075 |
| | Sample Date: | 02/21/2003 | 02/21/2003 | 02/20/2003 |
| | Depth (feet): | 48 to N/A | 81 to N/A | 75 to N/A |
| **Volatile Organic Compounds (ug/l)** | | | | |
| 1,1,1-Trichloroethane | | 10 U | 0.1 J | 1700 U |
| 1,1,2,2-Tetrachloroethane | | 10 U | 0.5 U | 1700 U |
| 1,1,2-Trichloroethane | | 10 U | 0.5 U | 1700 U |
| 1,1-Dichloroethane | | 10 U | 0.5 U | 1700 U |
| 1,1-Dichloroethene | | 100 | 1 | 1100 J |
| 1,2,3-Trichlorobenzene | | | 0.5 U | |
| 1,2,4-Trichlorobenzene | | 10 U | 0.5 U | 1700 U |
| 1,2-Dibromo-3-chloropropane | | 10 U | 0.5 U | 1700 U |
| 1,2-Dibromoethane [EDB] | | 10 U | 0.5 U | 1700 U |
| 1,2-Dichlorobenzene | | 10 U | 0.5 U | 1700 U |
| 1,2-Dichloroethane | | 10 U | 0.5 U | 1700 U |
| 1,2-Dichloropropane | | 10 U | 0.5 U | 1700 U |
| 1,3-Dichlorobenzene | | 10 U | 0.5 U | 1700 U |
| 1,4-Dichlorobenzene | | 10 U | 0.5 U | 1700 U |
| 2-Butanone | | 10 UJ | 5 U | 1700 UJ |
| 2-Hexanone | | 10 UJ | 5 U | 1700 UJ |
| 4-Methyl-2-pentanone | | 10 U | 5 U | 1700 U |
| Acetone | | 6 J | 5 UJ | 4800 J |
| Benzene | | 1 J | 0.5 U | 1700 U |
| Bromochloromethane | | | 0.5 U | |
| Bromodichloromethane | | 10 U | 0.5 U | 1700 U |
| Bromoform | | 10 U | 0.5 U | 1700 U |
| Bromomethane | | 10 U | 0.5 U | 1700 U |
| Carbon Disulfide | | 10 U | 0.5 U | 1700 U |

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

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

| | Station ID: | OW6 | OW7 | OW8 |
|---|---|---|---|---|
| | Sample ID: | GW103-OW6-0048 | GW103-OW7-0081 | GW103-OW8-0075 |
| | Sample Date: | 02/21/2003 | 02/21/2003 | 02/20/2003 |
| Constituent | Depth (feet): | 48 to N/A | 81 to N/A | 75 to N/A |
| Carbon Tetrachloride | | 10 U | 0.5 U | 1700 U |
| Chlorobenzene | | 10 U | 0.5 U | 1700 U |
| Chlorodibromomethane | | 10 U | 0.5 U | 1700 U |
| Chloroethane | | 10 U | 0.5 U | 1700 U |
| Chloroform | | 2 J | 0.5 U | 560 J |
| Chloromethane | | 10 U | 0.5 U | 1700 U |
| cis-1,2-Dichloroethene | | 10 U | 0.5 U | 1700 U |
| cis-1,3-Dichloropropene | | 10 U | 0.5 UJ | 1700 U |
| Cyclohexane | | 10 U | 0.5 U | 1700 U |
| Dichlorodifluoromethane | | 0.6 J | 0.5 U | 1700 U |
| Ethane | | 0.64 U | 0.64 U | 0.64 U |
| Ethene | | 0.67 U | 0.67 U | 0.67 U |
| Ethylbenzene | | 10 U | 0.5 U | 1700 U |
| Isopropylbenzene | | 10 U | 0.5 U | 1700 U |
| Methane | | 0.69 J | 0.42 U | 3.4 |
| Methyl Acetate | | 10 U | 0.5 U | 1700 U |
| Methylcyclohexane | | 10 U | 0.5 U | 1700 U |
| Methylene Chloride | | 0.5 J | 0.5 U | 2500 |
| Styrene | | 10 U | 0.5 U | 1700 U |
| tert-Butyl Methyl Ether | | 66 | 0.1 J | 1700 U |
| Tetrachloroethene | | 72 | 14 J | 16000 |
| Toluene | | 0.6 J | 0.5 U | 160 J |
| trans-1,2-Dichloroethene | | 10 U | 0.5 U | 55 J |
| trans-1,3-Dichloropropene | | 10 U | 0.5 U | 1700 U |
| Trichloroethene | | 13 | 3 | 960 J |

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

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

| Constituent | Station ID: | OW6 | OW7 | OW8 |
|---|---|---|---|---|
| | Sample ID: | GW103-OW6-0048 | GW103-OW7-0081 | GW103-OW8-0075 |
| | Sample Date: | 02/21/2003 | 02/21/2003 | 02/20/2003 |
| | Depth (feet): | 48 to N/A | 81 to N/A | 75 to N/A |
| Trichlorofluoromethane | | 270 | 29 | 540 J |
| Trichlorotrifluoroethane | | 380 | 41 | 1800 |
| Vinyl Chloride | | 10 U | 0.5 U | 1700 U |
| Xylenes (total) | | 10 U | 0.5 U | 1700 U |
| 1,4-Dioxane | | 3 U | | 1200 |
| Perchlorate | | 2 U | 3 | 3 |
| **Inorganics (Total) (ug/l)** | | | | |
| Aluminum | | 57.1 U | 66.8 J | 126 J |
| Antimony | | 2.3 U | 2.3 U | 2.3 U |
| Arsenic | | 4.8 U | 4.8 U | 4.8 U |
| Barium | | 29.3 J | 19.8 J | 40.0 J |
| Beryllium | | 0.10 U | 0.10 U | 0.10 U |
| Cadmium | | 0.30 U | 0.30 U | 0.30 U |
| Calcium | | 220000 | 185000 | 191000 |
| Chromium | | 1.4 J | 5.5 J | 2.5 J |
| Cobalt | | 1.0 U | 1.0 U | 1.0 U |
| Copper | | 0.60 U | 0.60 U | 0.93 U |
| Cyanide | | 1.6 U | 1.6 U | 5.4 J |
| Iron | | 18.7 U | 27.9 J | 561 |
| Lead | | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | | 68300 | 62500 | 67100 |
| Manganese | | 0.20 U | 0.72 J | 706 |
| Mercury | | 0.30 | 0.10 U | 0.10 U |
| Nickel | | 1.1 UJ | 1.1 UJ | 2.1 J |

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

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

| Constituent | Station ID: | OW6 | OW7 | OW8 |
|---|---|---|---|---|
| | Sample ID: | GW103-OW6-0048 | GW103-OW7-0081 | GW103-OW8-0075 |
| | Sample Date: | 02/21/2003 | 02/21/2003 | 02/20/2003 |
| | Depth (feet): | 48 to N/A | 81 to N/A | 75 to N/A |
| Potassium | | 3690 J | 2170 J | 2640 |
| Selenium | | 4.8 U | 7.6 J | 6.0 |
| Silver | | 0.60 U | 0.60 U | 0.60 U |
| Sodium | | 137000 | 69800 | 88000 |
| Thallium | | 4.7 U | 4.7 U | 7.2 U |
| Vanadium | | 5.1 J | 6.0 J | 4.3 J |
| Zinc | | 1.4 U | 1.4 U | 1.4 U |
| **Inorganics (Dissolved) (ug/l)** | | | | |
| Aluminum | | 57.1 U | 57.1 U | 55.5 J |
| Antimony | | 2.3 UJ | 2.3 UJ | 2.3 U |
| Arsenic | | 4.8 U | 4.8 U | 4.8 U |
| Barium | | 29.5 J | 19.6 J | 39.4 J |
| Beryllium | | 0.10 U | 0.10 U | 0.10 U |
| Cadmium | | 0.30 U | 0.30 U | 0.30 U |
| Calcium | | 215000 | 188000 | 192000 |
| Chromium | | 1.9 J | 5.4 J | 2.4 J |
| Cobalt | | 1.0 U | 1.2 J | 1.0 U |
| Copper | | 0.60 UJ | 0.60 UJ | 0.60 U |
| Iron | | 18.7 U | 18.7 U | 488 |
| Lead | | 2.2 U | 2.2 U | 2.2 U |
| Magnesium | | 66000 | 63000 | 67500 |
| Manganese | | 0.20 UJ | 0.26 J | 732 |
| Mercury | | 0.22 | 0.10 U | 0.10 U |
| Nickel | | 1.1 UJ | 1.1 UJ | 1.1 U |
| Potassium | | 3520 J | 2180 J | 2620 J |

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

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

| Constituent | Station ID: | OW6 | OW7 | OW8 |
|---|---|---|---|---|
| | Sample ID: | GW103-OW6-0048 | GW103-OW7-0081 | GW103-OW8-0075 |
| | Sample Date: | 02/21/2003 | 02/21/2003 | 02/20/2003 |
| | Depth (feet): | 48 to N/A | 81 to N/A | 75 to N/A |
| Selenium | | 4.5 J | 7.4 | 7.2 |
| Silver | | 0.60 U | 0.60 U | 0.60 U |
| Sodium | | 130000 | 71000 | 88800 |
| Thallium | | 4.7 U | 4.7 U | 4.7 U |
| Vanadium | | 4.6 J | 5.6 J | 3.9 J |
| Zinc | | 1.4 U | 1.4 U | 1.5 J |
| **Conventional Parameters** | | | | |
| Bicarbonate Alkalinity (mg/l) | | 520 | 360 | 390 |
| Carbonate Alkalinity (mg/l) | | 10 U | 10 U | 10 U |
| Chloride (mg/l) | | 72 | 50 | 120 |
| Sulfate (mg/l) | | 400 | 380 | 300 |
| Sulfide (mg/l) | | 1 U | 1 U | 1 U |
| Total Alkalinity (mg/l) | | 520 | 360 | 390 |
| Total Dissolved Solids (mg/l) | | 1100 | 870 | 1100 |
| Total Nitrate-N + Nitrite-N (mg/l) | | 4 | 14 | 8 |
| Total Organic Carbon (mg/l) | | 2 | 1 J | 22 |

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: First 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 | 9 | 29.0 | 0.5 | 1700 | 0.1 | 4600 | GW103-OW1A-0080 | 187.73 | 5 | 441.84 |
| 1,1,2,2-Tetrachloroethane | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| 1,1,2-Trichloroethane | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| **1,1-Dichloroethane** | 31 | 4 | 12.9 | 0.5 | 10000 | 0.09 | 3 | GW103-MW05A-0049 | 202.41 | 5 | 477.95 |
| **1,1-Dichloroethene** | 31 | 26 | 83.9 | 0.5 | 10 | 0.9 | 2100 | GW103-MW02A-0055 | 267.83 | 17 | 412.48 |
| 1,2,3-Trichlorobenzene | 9 | 0 | 0.0 | 0.5 | 2 | n/a | n/a | | 0.33 | 0.25 | 0.49 |
| 1,2,4-Trichlorobenzene | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| 1,2-Dibromo-3-chloropropane | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| 1,2-Dibromoethane [EDB] | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| 1,2-Dichlorobenzene | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| **1,2-Dichloroethane** | 31 | 2 | 6.5 | 0.5 | 10000 | 2 | 10 | GW103-MW05A-0049 | 202.82 | 5 | 478.33 |
| 1,2-Dichloropropane | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| 1,3-Dichlorobenzene | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| 1,4-Dichlorobenzene | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| **2-Butanone** | 31 | 3 | 9.7 | 5 | 10000 | 2 | 3 | GW103-MW08C-0087 | 203.58 | 5 | 479.04 |
| 2-Hexanone | 31 | 0 | 0.0 | 5 | 10000 | n/a | n/a | | 203.6 | 5 | 479.05 |
| **4-Methyl-2-pentanone** | 31 | 1 | 3.2 | 5 | 10000 | 0.2 | 0.2 | GW103-OW4B-0125 | 203.52 | 5 | 478.98 |
| **Acetone** | 31 | 9 | 29.0 | 5 | 10000 | 2 | 4800 | GW103-OW8-0075 | 347.82 | 5 | 718.99 |
| **Benzene** | 31 | 7 | 22.6 | 0.5 | 10000 | 0.3 | 1 | GW103-MW05A-0049 | 201.92 | 5 | 477.49 |
| Bromochloromethane | 9 | 0 | 0.0 | 0.5 | 2 | n/a | n/a | | 0.33 | 0.25 | 0.49 |
| Bromodichloromethane | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| Bromoform | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| **Bromomethane** | 31 | 1 | 3.2 | 0.5 | 10000 | 1 | 1 | GW103-MW04A-0047 | 202.39 | 5 | 477.93 |
| Carbon Disulfide | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| Carbon Tetrachloride | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| **Chlorobenzene** | 31 | 1 | 3.2 | 0.5 | 10000 | 0.07 | 0.07 | GW103-MW03A-0042 | 202.75 | 5 | 478.27 |
| Chlorodibromomethane | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| Chloroethane | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| **Chloroform** | 31 | 23 | 74.2 | 0.5 | 10000 | 0.1 | 700 | GW103-MW02A-0055 | 215.5 | 2 | 490.39 |
| **Chloromethane** | 31 | 4 | 12.9 | 0.5 | 10000 | 0.05 | 0.1 | GW103-MW09A-0032 | 202.74 | 5 | 478.25 |
| **cis-1,2-Dichloroethene** | 31 | 16 | 51.6 | 0.5 | 10000 | 0.1 | 110 | GW103-OW5-0048 | 209.77 | 5 | 484.92 |
| cis-1,3-Dichloropropene | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| Cyclohexane | 31 | 0 | 0.0 | 0.5 | 10000 | n/a | n/a | | 202.76 | 5 | 478.27 |
| **Dichlorodifluoromethane** | 31 | 6 | 19.4 | 0.5 | 10000 | 0.1 | 1 | GW103-MW05A-0049 | 202.48 | 5 | 478.01 |

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

## Omega Comprehensive Statistical Data Summary - Groundwater Sampling: First 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)** | | | | | | | | | | | |
| Ethane | 31 | 1 | 3.2 | 0.64 | 0.64 | 2.6 | 2.6 | GW103-OW1A-0080 | 0.39 | 0.32 | 0.52 |
| Ethene | 31 | 0 | 0 0 | 0 67 | 0 67 | n/a | n/a | | 0 34 | 0 34 | 0 34 |
| Ethylbenzene | 31 | 1 | 3.2 | 0.5 | 10000 | 0.06 | 0.06 | GW103-MW08C-0087 | 202.75 | 5 | 478.27 |
| Isopropylbenzene | 31 | 0 | 0 0 | 0 5 | 10000 | n/a | n/a | | 202 76 | 5 | 478 27 |
| Methane | 31 | 15 | 48.4 | 0.42 | 0.42 | 0.42 | 7400 | GW103-OW4B-0125 | 348.28 | 0.21 | 761.31 |
| Methyl Acetate | 31 | 0 | 0 0 | 0 5 | 10000 | n/a | n/a | | 202 76 | 5 | 478 27 |
| Methylcyclohexane | 31 | 1 | 3.2 | 0.5 | 10000 | 0.7 | 0.7 | GW103-MW08C-0087 | 202.77 | 5 | 478.29 |
| Methylene Chloride | 31 | 12 | 38.7 | 0.5 | 25 | 0.4 | 2500 | GW103-OW8-0075 | 95.25 | 3 | 232.53 |
| Styrene | 31 | 0 | 0 0 | 0 5 | 10000 | n/a | n/a | | 202 76 | 5 | 478 27 |
| tert-Butyl Methyl Ether | 31 | 12 | 38.7 | 0.5 | 10000 | 0.05 | 66 | GW103-OW6-0048 | 203.42 | 5 | 478.9 |
| Tetrachloroethene | 31 | 30 | 96.8 | 0.5 | 0.5 | 1 | 82000 | GW103-OW1A-0080 | 3559.88 | 55 | 8083.89 |
| Toluene | 31 | 10 | 32.3 | 0.5 | 10000 | 0.03 | 160 | GW103-OW8-0075 | 179.58 | 5 | 452.71 |
| trans-1,2-Dichloroethene | 31 | 5 | 16.1 | 0.5 | 10000 | 0.5 | 55 | GW103-OW8-0075 | 176.84 | 5 | 450 01 |
| trans-1,3-Dichloropropene | 31 | 0 | 0 0 | 0 5 | 10000 | n/a | n/a | | 202 76 | 5 | 478 27 |
| Trichloroethene | 31 | 30 | 96.8 | 0.5 | 0.5 | 2 | 2400 | GW103-OW1A-0080 | 360 4 | 87 | 539.59 |
| Trichlorofluoromethane | 31 | 17 | 54.8 | 0.5 | 10000 | 0.5 | 640 | GW103-MW02A-0055 | 265.89 | 5 | 538.68 |
| Trichlorotrifluoroethane | 31 | 20 | 64.5 | 0.5 | 10000 | 1 | 1800 | GW103-MW02A-0055 | 413 1 | 14 | 709.44 |
| Vinyl Chloride | 31 | 0 | 0 0 | 0 5 | 10000 | n/a | n/a | | 202.76 | 5 | 478 27 |
| Xylenes (total) | 31 | 1 | 3.2 | 0.5 | 10000 | 0.08 | 0.08 | GW103-MW08C-0087 | 202.75 | 5 | 478.27 |
| 1,4-Dioxane | 15 | 12 | 80.0 | 2 | 3 | 4 | 70000 | GW103-OW1A-0080 | 4768.97 | 13 | 12975.28 |
| Perchlorate | 31 | 30 | 96.8 | 2 | 2 | 1 | 7 | GW103-MW07A-0041 | 3.48 | 4 | 3.88 |
| **Inorganics (Total) (ug/l)** | | | | | | | | | | | |
| Aluminum | 31 | 21 | 67.7 | 57.1 | 57.1 | 33.6 | 1340 | GW103-OW1B-0116 | 217.03 | 73.5 | 326.91 |
| Antimony | 31 | 0 | 0 0 | 2 3 | 2 3 | n/a | n/a | | 1 15 | 1 15 | 1 15 |
| Arsenic | 31 | 4 | 12.9 | 4.8 | 4.8 | 4.8 | 5.5 | GW103-MW04C-0094 | 2.74 | 2.4 | 3.02 |
| Barium | 31 | 31 | 100.0 | n/a | n/a | 19.8 | 99.2 | GW103-MW08D-0116 | 44.06 | 39.3 | 49.44 |
| Beryllium | 31 | 0 | 0 0 | 0 1 | 0 19 | n/a | n/a | | 0 05 | 0 05 | 0 05 |
| Cadmium | 31 | 0 | 0 0 | 0 3 | 0 3 | n/a | n/a | | 0 15 | 0 15 | 0 15 |
| Calcium | 31 | 31 | 100.0 | n/a | n/a | 96800 | 300000 | GW103-MW07A-0041 | 175574.19 | 174000 | 189606.36 |
| Chromium | 31 | 29 | 93.5 | 0.6 | 0.6 | 0.69 | 155 | GW103-MW01A-0055 | 22.46 | 8.4 | 32.55 |
| Cobalt | 31 | 6 | 19.4 | 1 | 1 | 1.1 | 4.9 | GW103-OW1A-0080 | 0.78 | 0.5 | 1.04 |
| Copper | 31 | 11 | 35.5 | 0.6 | 2.2 | 1.1 | 18.2 | GW103-OW3-0080 | 1.52 | 0.47 | 2.52 |

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

## Omega Comprehensive Statistical Data Summary - Groundwater Sampling: First 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) | | | | | | | | | | | |
| Cyanide | 31 | 12 | 38.7 | 1.6 | 1.6 | 1.6 | 5.4 | GW103-OW8-0075 | 1.56 | 0.8 | 1.93 |
| Iron | 31 | 17 | 54.8 | 18.7 | 89.5 | 27.9 | 11500 | GW103-OW1B-0116 | 1039.6 | 79.9 | 1904.28 |
| Lead | 31 | 0 | 0.0 | 2.2 | 2.2 | n/a | n/a | | 1.1 | 1.1 | 1.1 |
| Magnesium | 31 | 31 | 100.0 | n/a | n/a | 39800 | 91000 | GW103-MW07A-0041 | 53229.03 | 52900 | 56662.38 |
| Manganese | 31 | 24 | 77.4 | 0.2 | 3.3 | 0.61 | 734 | GW103-OW1A-0080 | 96.78 | 5.5 | 160.69 |
| Mercury | 31 | 1 | 3.2 | 0.1 | 0.1 | 0.3 | 0.3 | GW103-OW6-0048 | 0.06 | 0.05 | 0.07 |
| Nickel | 31 | 9 | 29.0 | 1.1 | 5.2 | 1.1 | 89.9 | GW103-OW5-0048 | 7.65 | 0.55 | 14.34 |
| Potassium | 31 | 31 | 100.0 | n/a | n/a | 2170 | 8100 | GW103-MW09A-0032 | 4420.65 | 3940 | 4911.45 |
| Selenium | 31 | 22 | 71.0 | 4.8 | 4.8 | 5.4 | 51 | GW103-MW08A-0040 | 9.74 | 7.6 | 12.83 |
| Silver | 31 | 1 | 3.2 | 0.6 | 0.6 | 0.67 | 0.67 | GW103-MW09A-0032 | 0.31 | 0.3 | 0.33 |
| Sodium | 31 | 31 | 100.0 | n/a | n/a | 69800 | 216000 | GW103-MW07A-0041 | 121138.71 | 112000 | 133162.32 |
| Thallium | 31 | 0 | 0.0 | 4.7 | 8.5 | n/a | n/a | | 2.67 | 2.35 | 2.84 |
| Vanadium | 31 | 28 | 90.3 | 3.5 | 4.4 | 2.3 | 11.2 | GW103-OW3-0080 | 4.63 | 4.5 | 5.29 |
| Zinc | 31 | 11 | 35.5 | 1.4 | 7.6 | 1.4 | 49.2 | GW103-OW1B-0116 | 4.35 | 1 | 7.15 |
| Inorganics (Dissolved) (ug/l) | | | | | | | | | | | |
| Aluminum | 31 | 11 | 35.5 | 57.1 | 57.1 | 26 | 84 | GW103-OW2-0078 | 38.89 | 28.55 | 44.35 |
| Antimony | 31 | 2 | 6.5 | 2.3 | 2.3 | 2.4 | 3.3 | GW103-MW04A-0047 | 1.26 | 1.15 | 1.39 |
| Arsenic | 31 | 1 | 3.2 | 4.8 | 4.8 | 5 | 5 | GW103-MW04B-0075 | 2.48 | 2.4 | 2.63 |
| Barium | 31 | 31 | 100.0 | n/a | n/a | 19.6 | 307 | GW103-OW1B-0116 | 50.7 | 39.3 | 66.12 |
| Beryllium | 31 | 0 | 0.0 | 0.1 | 0.15 | n/a | n/a | | 0.05 | 0.05 | 0.05 |
| Cadmium | 31 | 0 | 0.0 | 0.3 | 0 3 | n/a | n/a | | 0.15 | 0.15 | 0.15 |
| Calcium | 31 | 31 | 100.0 | n/a | n/a | 94700 | 304000 | GW103-MW07A-0041 | 174680.65 | 170000 | 188677.2 |
| Chromium | 31 | 27 | 87.1 | 0.6 | 0.6 | 0.61 | 152 | GW103-MW01A-0055 | 20.15 | 6.8 | 29.98 |
| Cobalt | 31 | 1 | 3.2 | 1 | 3.5 | 1.2 | 1.2 | GW103-OW7-0081 | 0.56 | 0.5 | 0.64 |
| Copper | 31 | 6 | 19.4 | 0.6 | 1.4 | 0.72 | 1.6 | GW103-MW09A-0032 | 0.45 | 0.3 | 0.55 |
| Iron | 31 | 6 | 19.4 | 18.7 | 27.6 | 34.7 | 501 | GW103-OW1A-0080 | 58.31 | 9.35 | 98.93 |
| Lead | 31 | 0 | 0.0 | 2.2 | 2.2 | n/a | n/a | | 1.1 | 1 1 | 1.1 |
| Magnesium | 31 | 31 | 100.0 | n/a | n/a | 39300 | 92600 | GW103-MW07A-0041 | 52870.97 | 52500 | 56340.07 |
| Manganese | 31 | 17 | 54.8 | 0.2 | 0.2 | 0.26 | 732 | GW103-OW8-0075 | 79.17 | 0.27 | 135.84 |
| Mercury | 31 | 1 | 3.2 | 0.1 | 0.1 | 0.22 | 0.22 | GW103-OW6-0048 | 0.06 | 0.05 | 0.06 |
| Nickel | 31 | 8 | 25.8 | 1.1 | 1.1 | 1.1 | 64.6 | GW103-OW5-1048 | 5.35 | 0.55 | 10.14 |
| Potassium | 31 | 31 | 100.0 | n/a | n/a | 2180 | 7780 | GW103-MW07A-0041 | 4294.52 | 3940 | 4765.72 |
| Selenium | 31 | 25 | 80.6 | 3.6 | 4.8 | 4.4 | 52 | GW103-MW08A-0040 | 9.67 | 7.4 | 12.73 |

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

## Omega Comprehensive Statistical Data Summary - Groundwater Sampling: First 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)** | | | | | | | | | | | |
| Silver | 31 | 0 | 0 0 | 0 6 | 0 7 | n/a | n/a | | 0 3 | 0 3 | 0 3 |
| **Sodium** | 31 | 31 | 100.0 | n/a | n/a | 71000 | 223000 | GW103-MW07A-0041 | 120332.26 | 111000 | 132560.2 |
| Thallium | 31 | 0 | 0 0 | 4 7 | 4 7 | n/a | n/a | | 2 35 | 2 35 | 2 35 |
| **Vanadium** | 31 | 29 | 93.5 | 3.3 | 4.5 | 0.52 | 6.2 | GW103-OW4B-0125 | 3.92 | 4.3 | 4.35 |
| **Zinc** | 31 | 7 | 22.6 | 1.4 | 5.9 | 1.5 | 102 | GW103-OW1B-0116 | 5.13 | 0.7 | 10.67 |
| **Conventional Parameters** | | | | | | | | | | | |
| **Bicarbonate Alkalinity (mg/l)** | 31 | 31 | 100.0 | n/a | n/a | 230 | 530 | GW103-OW1A-0080 | 396.13 | 390 | 419.16 |
| Carbonate Alkalinity (mg/l) | 31 | 0 | 0 0 | 10 | 10 | n/a | n/a | | 5 | 5 | 5 |
| **Chloride (mg/l)** | 31 | 31 | 100.0 | n/a | n/a | 50 | 160 | GW103-MW06A-0042 | 90.42 | 82 | 98.64 |
| **Sulfate (mg/l)** | 31 | 31 | 100.0 | n/a | n/a | 140 | 830 | GW103-MW07A-0041 | 320 | 300 | 368.37 |
| Sulfide (mg/l) | 31 | 0 | 0 0 | 1 | 1 | n/a | n/a | | 0 5 | 0 5 | 0 5 |
| **Total Alkalinity (mg/l)** | 31 | 31 | 100.0 | n/a | n/a | 230 | 530 | GW103-OW1A-0080 | 396.13 | 390 | 419.16 |
| **Total Dissolved Solids (mg/l)** | 31 | 31 | 100.0 | n/a | n/a | 740 | 2000 | GW103-MW07A-0041 | 1080 | 1000 | 1163.06 |
| **Total Nitrate-N + Nitrite-N (mg/l)** | 31 | 31 | 100.0 | n/a | n/a | 3 | 29 | GW103-MW05A-0049 | 13.87 | 13 | 15.8 |
| **Total Organic Carbon (mg/l)** | 31 | 21 | 67.7 | 2 | 2 | 1 | 75 | GW103-OW3-0080 | 5.65 | 2 | 9.76 |

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

# APPENDIX C
# QUALIFIED DATA REPORTS

**ANALYTICAL RESULTS**
**Table 1A**

Case No. : 31445 SDG No. : Y0TQ0
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | GW103-MW04A-200 | | | GW103-MW04C-009 | | | GW103-OW4B-0125 | | | GW103-OW6-2003 | | | GW103-OW7-0081 | | | GW102-OW2-2002 | | | GW103-OW7-4001 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | Y0TQ0 | | | Y0TQ2 | | | Y0TS3 | | | Y0TS7 | | | Y0TS8 | | | Y0TS9 | | | Y0TT0 | | |
| Collection Date : | 02/18/2003 | | | 02/18/2003 | | | 02/20/2003 | | | 02/21/2003 | | | 02/21/2003 | | | 02/19/2003 | | | 02/21/2003 | | |
| 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** |
| Dichlorodifluoromethan | 0.5U | U | | 0.2J | J | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Chloromethane | 0.5U | U | | 0.5U | U | | 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 | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Bromomethane | 0.5U | U | | 0.5U | U | | 0.5U | U | | 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 | | 5 | | | 2 | | | 0.5U | U | | 32E | | | 0.5U | U | | 0.5U | U | |
| 1,1-Dichloroethene | 0.5U | U | | 5 | | | 12 | | | 0.5U | U | | 1 | | | 0.5U | U | | 0.5U | U | |
| 1,1,2-Trichloro-1,2,2-tr | 0.5U | U | | 14 | | | 25 | | | 0.5U | U | | 42E | | | 0.5U | U | | 0.5U | U | |
| Acetone | 5JB | UJ | | 5JB | UJ | | 270EB | | | 5JB | UJ | | 5JB | UJ | | 5JB | UJ | | 5JB | UJ | |
| 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 | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Methylene Chloride | 0.1J | J | | 0.5U | U | | 0.5U | U | | 0.1J | J | | 0.5U | U | | 0.1J | J | | 0.2J | J | |
| trans-1,2-Dichloroethe | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| tert-Butyl Methyl Ether | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.1J | J | | 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 | U | | 0.8 | | | 0.1J | J | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 2-Butanone | 5U | U | | 5U | U | | 2J | J | | 5U | U | | 5U | U | | 5U | U | | 5U | U | |
| Bromochloromethane | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Chloroform | 0.6 | | | 1 | | | 0.5U | U | | 0.5J | J | | 0.5U | U | | 0.4J | J | | 0.5U | U | |
| 1,1,1-Trichloroethane | 0.5U | U | | 0.5U | U | | 0.7 | | | 0.5U | U | | 0.1J | J | | 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 | | 0.7 | | | 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 | | 120E | | | 3 | | | 0.5U | U | | 3 | | | 0.5U | U | | 0.5U | U | |
| Methylcyclohexane | 0.5U | U | | 0.5U | UJ | | 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 | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| cis-1,3-Dichloroproper | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | |
| 4-Methyl-2-pentanone | 5U | U | | 5U | U | | 0.2J | J | | 5U | U | | 5U | U | | 5U | U | | 5U | U | |
| Toluene | 0.5U | U | | 0.5U | U | | 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 | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1,2-Trichloroethane | 0.5U | U | | 0.5U | U | | 0.5U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Tetrachloroethene | 0.5U | U | | 19 | | | 36EB | J | | 2B | J | | 14B | J | | 0.5JB | UJ | | 0.5JB | UJ | |
| 2-Hexanone | 5U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | |
| Dibromochloromethan | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,2-Dibromoethane | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TQ0
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW04A-200 | | | GW103-MW04C-009 | | | GW103-OW4B-0125 | | | GW103-OW6-2003 | | | GW103-OW7-0081 | | | GW102-OW2-2002 | | | GW103-OW7-4001 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TQ0 | | | Y0TQ2 | | | Y0TS3 | | | Y0TS7 | | | Y0TS8 | | | Y0TS9 | | | Y0TT0 | | |
| Collection Date | 02/18/2003 | | | 02/18/2003 | | | 02/20/2003 | | | 02/21/2003 | | | 02/21/2003 | | | 02/19/2003 | | | 02/21/2003 | | |
| 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 | 0 5JB | UJ | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5JB | UJ | | 0 5JB | UJ | |
| 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. : 31445 SDG No. : Y0TQ0
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | GW103-MW04C-009 | | | GW103-OW4B-0125 | | | GW103-OW7-0081 | | | Method Blank | | | Method Blank | | | Method Blank | | | Method Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | Y0TQ2DL | | | Y0TS3DL | | | Y0TS8DL | | | VBLKAL | | | VBLKBS | | | VBLKZT | | | VHBLKBU | | |
| Collection Date : | 02/18/2003 | | | 02/20/2003 | | | 02/21/2003 | | | | | | | | | | | | | | |
| Dilution Factor : | 12.5 | | | 3.9 | | | 3.6 | | | 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** |
| Dichlorodifluoromethai | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Chloromethane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Vinyl Chloride | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Bromomethane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Chloroethane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Trichlorofluoromethan | 2JD | J | | 2JD | J | | 29D | | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1-Dichloroethene | 6U | U | | 13D | | | 1JD | J | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1,2-Trichloro-1,2,2-tr | 6U | U | | 26D | | | 41D | | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Acetone | 63U | U | | 270DB | | | 18JDB | UJ | | 2J | J | | 2J | J | | 3J | J | | 0.9JB | J | |
| Carbon Disulfide | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Methyl Acetate | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Methylene Chloride | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| trans-1,2-Dichloroethe | 6U | U | | 2U | U | | 2U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| tert-Butyl Methyl Ether | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1-Dichloroethane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| cis-1,2-Dichloroethene | 6U | U | | 2U | U | | 2U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 2-Butanone | 63U | U | | 19U | U | | 18U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | |
| Bromochloromethane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Chloroform | 1JD | J | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1,1-Trichloroethane | 6U | U | | 0.7JD | J | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Cyclohexane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Carbon Tetrachloride | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Benzene | 6U | U | | 0.6JD | J | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,2-Dichloroethane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Trichloroethene | 87DB | | | 3D | | | 2D | | | 0.2J | J | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Methylcyclohexane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | UJ | | 0.5U | U | |
| 1,2-Dichloropropane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Bromodichloromethan | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| cis-1,3-Dichloroproper | 6JDB | UJ | | 2JDB | UJ | | 2JDB | UJ | | 0.1J | J | | 0.2J | J | | 0.2J | J | | 0.2JB | J | |
| 4-Methyl-2-pentanone | 63U | U | | 19U | UJ | | 18U | UJ | | 0.2J | J | | 5U | U | | 5U | U | | 5U | U | |
| Toluene | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| trans-1,3-Dichloroprop | 6U | UJ | | 2U | UJ | | 2U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1,2-Trichloroethane | 6U | UJ | | 2U | UJ | | 2U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Tetrachloroethene | 13D | | | 35DB | J | | 13DB | J | | 0.5U | U | | 0.2J | J | | 0.5U | U | | 0.1JB | J | |
| 2-Hexanone | 63U | U | | 19U | UJ | | 18U | UJ | | 5U | U | | 5U | U | | 5U | U | | 5U | U | |
| Dibromochloromethan | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,2-Dibromoethane | 6U | U | | 2U | U | | 2U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TQ0
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW04C-009 | | | GW103 OW4B-0125 | | | GW103-OW7-0081 | | | Method Blank | | | Method Blank | | | Method Blank | | | Method Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TQ2DL | | | Y0TS3DL | | | Y0TS8DL | | | VBLKAL | | | VBLKBS | | | VBLKZT | | | VHBLKBU | | |
| Collection Date | 02/18/2003 | | | 02/20/2003 | | | 02/21/2003 | | | | | | | | | | | | | | |
| Dilution Factor | 12 5 | | | 3 9 | | | 3 6 | | | 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 | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| Ethylbenzene | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| Xylenes (total) | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| Styrene | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| Bromoform | 6U | U | | 2U | U | | 2JDB | UJ | | 0 4J | J | | 0 2J | J | | 0 5U | U | | 0 4JB | J | |
| Isopropylbenzene | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,1,2 2-Tetrachloroeth | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,3-Dichlorobenzene | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,4-Dichlorobenzene | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,2-Dichlorobenzene | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 1J | J | | 0 5U | U | |
| 1 2-Dibromo-3-chlorop | 6U | U | | 2U | U | | 2U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,2,4-Trichlorobenzene | 6U | U | | 2U | U | | 2U | U | | 0 1J | J | | 0 5U | U | | 0.2J | J | | 0 5U | U | |
| 1 2,3-Trichlorobenzene | 6U | U | | 2U | U | | 2U | U | | 0 2J | J | | 0 5U | U | | 0 2J | J | | 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. : 31445 SDG No. : Y0TQ0
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
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** |
| Dichlorodifluoromethan | 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 | | | | | | | | | | | | | | | | | | | | |
| tert-Butyl Methyl 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. : 31445 SDG No. : Y0TQ0
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
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-Trichlorobenzen | 0.5 | | | | | | | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzen | 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. : 31445 SDG No. : Y0TP8
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | GW103-MW04A-0047 | | | GW103-MW04A-1047 | | | GW103-MW04B-0075 | | | GW103-OW1A-0080 | | | GW103-OW1B-0116 | | | GW103-OW2-0078 | | | GW103-OW3-0080 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | Y0TP8 | | | Y0TP9 | | | Y0TQ1 | | | Y0TR6 | | | Y0TR7 | | | Y0TR8 | | | Y0TR9 | | |
| Collection Date : | 02/18/2003 | | | 02/18/2003 | | | 02/18/2003 | | | 02/19/2003 | | | 02/19/2003 | | | 02/19/2003 | | | 02/20/2003 | | |
| Dilution Factor : | 2.5 | | | 5.0 | | | 5.0 | | | 1000.0 | | | 1.0 | | | 5.0 | | | 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** |
| Dichlorodifluoromethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Chloromethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Vinyl Chloride | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Bromomethane | 1J | J | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Chloroethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Trichlorofluoromethane | 160 | | | 190 | | | 460 | | | 10000U | U | | 10U | U | | 170 | | | 180 | | |
| 1,1-Dichloroethene | 410 | | | 460 | | | 1400E | | | 830J | J | | 1J | J | | 520 | | | 950 | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 430 | | | 560 | | | 1300E | | | 10000U | U | | 10U | U | | 640 | | | 330 | | |
| Acetone | 25U | U | | 50U | U | | 50U | U | | 10000U | UJ | | 10U | UJ | | 50U | U | | 50U | U | |
| Carbon Disulfide | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Methyl Acetate | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Methylene Chloride | 25U | U | | 2J | J | | 3J | J | | 340J | J | | 0.8J | J | | 3J | J | | 3J | J | |
| trans-1,2-Dichloroethene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Methyl tert-Butyl Ether | 3J | J | | 3J | J | | 16J | J | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,1-Dichloroethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| cis-1,2-Dichloroethene | 7J | J | | 7J | J | | 5J | J | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 2-Butanone | 25U | U | | 50U | U | | 50U | U | | 10000U | UJ | | 10U | UJ | | 50U | U | | 50U | U | |
| Chloroform | 27 | | | 25J | J | | 110 | | | 10000U | U | | 10U | U | | 50U | U | | 5J | J | |
| 1,1,1-Trichloroethane | 25U | U | | 50U | U | | 5J | J | | 4600J | J | | 10U | U | | 4J | J | | 7J | J | |
| Cyclohexane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Carbon Tetrachloride | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Benzene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 0.3J | J | | 50U | U | | 50U | U | |
| 1,2-Dichloroethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Trichloroethene | 440 | | | 460 | | | 440 | | | 2400J | J | | 2J | J | | 150 | | | 190 | | |
| Methylcyclohexane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,2-Dichloropropane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Bromodichloromethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| cis-1,3-Dichloropropene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 4-Methyl-2-pentanone | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Toluene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 0.4J | J | | 50U | U | | 50U | U | |
| trans-1,3-Dichloropropene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,1,2-Trichloroethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Tetrachloroethene | 510E | | | 580 | | | 1500E | | | 82000B | J | | 28B | J | | 1600E | | | 1900E | | |
| 2-Hexanone | 25U | U | | 50U | U | | 50U | U | | 10000U | UJ | | 10U | UJ | | 50U | U | | 50U | U | |
| Dibromochloromethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,2-Dibromoethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Chlorobenzene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TP8
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW04A-0047 | | | GW103-MW04A-1047 | | | GW103-MW04B-0075 | | | GW103-OW1A-0080 | | | GW103-OW1B-0116 | | | GW103-OW2-0078 | | | GW103-OW3-0080 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TP8 | | | Y0TP9 | | | Y0TQ1 | | | Y0TR6 | | | Y0TR7 | | | Y0TR8 | | | Y0TR9 | | |
| Collection Date | 02/18/2003 | | | 02/18/2003 | | | 02/18/2003 | | | 02/19/2003 | | | 02/19/2003 | | | 02/19/2003 | | | 02/20/2003 | | |
| Dilution Factor | 2 5 | | | 5 0 | | | 5 0 | | | 1000 0 | | | 1 0 | | | 5 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 | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Xylenes (total) | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Styrene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Bromoform | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| Isopropylbenzene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,1,2,2-Tetrachloroethane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,3-Dichlorobenzene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,4-Dichlorobenzene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,2-Dichlorobenzene | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,2-Dibromo-3-chloropropane | 25U | U | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | U | | 50U | U | |
| 1,2,4-Trichlorobenzene | 25JB | UJ | | 50U | U | | 50U | U | | 10000U | U | | 10U | U | | 50U | 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. : 31445 SDG No. : Y0TP8
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | GW103-OW4A-0073 | | | GW103-OW5-0048 | | | GW103-OW5-1048 | | | GW103-OW6-0048 | | | GW103-OW8-0075 | | | GW103-MW04A-00 | | | GW103-MW04B-00 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | Y0TS1 | | | Y0TS4 | | | Y0TS5 | | | Y0TS6 | | | Y0TT1 | | | Y0TP8DL | | | Y0TQ1DL | | |
| Collection Date : | 02/20/2003 | | | 02/21/2003 | | | 02/21/2003 | | | 02/21/2003 | | | 02/20/2003 | | | 02/18/2003 | | | 02/18/2003 | | |
| Dilution Factor : | 1.0 | | | 1.0 | | | 1.0 | | | 1.0 | | | 167.0 | | | 3.3 | | | 14.3 | | |
| **Volatile Compound** | **Result** | **Val** | **Com** | **Result** | **Val** | **Com** | **Result** | **Val** | **Com** | **Result** | **Val** | **Com** | **Result** | **Val** | **Com** | **Result** | **Val** | **Com** | **Result** | **Val** | **Com** |
| Dichlorodifluoromethane | 10U | U | | 10U | U | | 10U | U | | 0.6J | J | | 1700U | U | | 33U | U | | 140U | U | |
| Chloromethane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Vinyl Chloride | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Bromomethane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Chloroethane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Trichlorofluoromethane | 10U | U | | 120 | | | 120 | | | 350E | | | 540J | J | | 93D | | | 79JD | J | |
| 1,1-Dichloroethene | 4J | J | | 130 | | | 140 | | | 100 | | | 1100J | J | | 250D | | | 560D | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 1J | J | | 450E | | | 460E | | | 450E | | | 1800 | | | 260D | | | 100JD | J | |
| Acetone | 240E | J | | 13 | J | | 10U | UJ | | 6J | J | | 4800 | J | | 33U | U | | 140U | UJ | |
| Carbon Disulfide | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Methyl Acetate | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Methylene Chloride | 10U | U | | 1J | J | | 0.6J | J | | 0.5J | J | | 2500 | | | 1JD | J | | 7JD | J | |
| trans-1,2-Dichloroethene | 10U | U | | 5J | J | | 4J | J | | 10U | U | | 55J | J | | 33U | U | | 140U | U | |
| Methyl tert-Butyl Ether | 10U | U | | 10U | U | | 10U | U | | 66 | | | 1700U | U | | 2JD | J | | 16JD | J | |
| 1,1-Dichloroethane | 10U | U | | 0.7J | J | | 0.8J | J | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| cis-1,2-Dichloroethene | 10U | U | | 110 | | | 110 | | | 10U | U | | 1700U | U | | 4JD | J | | 140U | U | |
| 2-Butanone | 10U | UJ | | 10U | UJ | | 10U | UJ | | 10U | UJ | | 1700U | UJ | | 33U | U | | 140U | UJ | |
| Chloroform | 10U | U | | 25 | | | 24 | | | 2J | J | | 560J | J | | 16JD | J | | 91JD | J | |
| 1,1,1-Trichloroethane | 10U | U | | 0.6J | J | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Cyclohexane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Carbon Tetrachloride | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Benzene | 0.5J | J | | 0.4J | J | | 0.4J | J | | 1J | J | | 1700U | U | | 33U | U | | 140U | U | |
| 1,2-Dichloroethane | 10U | U | | 10U | U | | 2J | J | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Trichloroethene | 2J | J | | 1100E | | | 1100E | | | 13 | | | 960J | J | | 260D | | | 280D | | |
| Methylcyclohexane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 1,2-Dichloropropane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Bromodichloromethane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| cis-1,3-Dichloropropene | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 4-Methyl-2-pentanone | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Toluene | 0.5J | J | | 0.5J | J | | 0.5J | J | | 0.6J | J | | 160J | J | | 33U | U | | 6JD | J | |
| trans-1,3-Dichloropropene | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 1,1,2-Trichloroethane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Tetrachloroethene | 19B | | | 520EB | | | 510EB | | | 72B | | | 16000B | J | | 310D | | | 840DB | J | |
| 2-Hexanone | 10U | UJ | | 10U | UJ | | 10U | UJ | | 10U | UJ | | 1700U | UJ | | 33U | U | | 140U | UJ | |
| Dibromochloromethane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 1,2-Dibromoethane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Chlorobenzene | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TP8
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-OW4A-0073 | | | GW103-OW5-0048 | | | GW103-OW5-1048 | | | GW103-OW6-0048 | | | GW103-OW8-0075 | | | GW103-MW04A-00 | | | GW103-MW04B-00 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TS1 | | | Y0TS4 | | | Y0TS5 | | | Y0TS6 | | | Y0TT1 | | | Y0TP8DL | | | Y0TQ1DL | | |
| Collection Date | 02/20/2003 | | | 02/21/2003 | | | 02/21/2003 | | | 02/21/2003 | | | 02/20/2003 | | | 02/18/2003 | | | 02/18/2003 | | |
| Dilution Factor | 1 0 | | | 1 0 | | | 1 0 | | | 1 0 | | | 167 0 | | | 3 3 | | | 14 3 | | |
| **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 | | 1700U | U | | 33U | U | | 140U | U | |
| Xylenes (total) | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Styrene | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Bromoform | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| Isopropylbenzene | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 1,1,2,2-Tetrachloroethane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 1,3-Dichlorobenzene | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 1,4-Dichlorobenzene | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 1,2-Dichlorobenzene | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 1,2-Dibromo-3-chloropropane | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33U | U | | 140U | U | |
| 1,2,4-Trichlorobenzene | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 1700U | U | | 33JDB | UJ | | 140U | 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. : 31445 SDG No. : Y0TP8
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | GW103-OW2-0078 | | | GW103-OW3-0080 | | | GW103-OW4A-0073 | | | GW103-OW5-0048 | | | GW103-OW5-1048 | | | GW103-OW6-0048 | | | Method Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | Y0TR8DL | | | Y0TR9DL | | | Y0TS1DL | | | Y0TS4DL | | | Y0TS5DL | | | Y0TS6DL | | | VBLKCJ | | |
| Collection Date : | 02/19/2003 | | | 02/20/2003 | | | 02/20/2003 | | | 02/21/2003 | | | 02/21/2003 | | | 02/21/2003 | | | | | |
| Dilution Factor : | 16.7 | | | 20.0 | | | 2.5 | | | 10.0 | | | 10.0 | | | 5.0 | | | 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** |
| Dichlorodifluoromethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Chloromethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Vinyl Chloride | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Bromomethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Chloroethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Trichlorofluoromethane | 190D | | | 200D | | | 25U | U | | 89JD | J | | 99JD | J | | 270D | | | 10U | U | |
| 1,1-Dichloroethene | 580D | | | 920D | | | 2JD | J | | 110D | | | 130D | | | 90D | | | 10U | U | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 660D | | | 350D | | | 25U | U | | 370D | | | 410D | | | 380D | | | 10U | U | |
| Acetone | 170U | UJ | | 200U | UJ | | 250D | J | | 100U | UJ | | 100U | UJ | | 50U | UJ | | 10U | U | |
| Carbon Disulfide | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Methyl Acetate | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Methylene Chloride | 170U | U | | 200U | U | | 0.8JD | J | | 100U | U | | 100U | U | | 2JD | J | | 10U | U | |
| trans-1,2-Dichloroethene | 170U | U | | 200U | U | | 25U | U | | 3JD | J | | 4JD | J | | 50U | U | | 10U | U | |
| Methyl tert-Butyl Ether | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 60D | | | 10U | U | |
| 1,1-Dichloroethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| cis-1,2-Dichloroethene | 170U | U | | 200U | U | | 25U | U | | 94JD | J | | 100D | | | 50U | U | | 10U | U | |
| 2-Butanone | 170U | UJ | | 200U | UJ | | 25U | UJ | | 100U | UJ | | 100U | UJ | | 50U | UJ | | 10U | U | |
| Chloroform | 170U | U | | 200U | U | | 25U | U | | 21JD | J | | 23JD | J | | 2JD | J | | 10U | U | |
| 1,1,1-Trichloroethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Cyclohexane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Carbon Tetrachloride | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Benzene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| 1,2-Dichloroethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Trichloroethene | 160JD | J | | 170JD | J | | 2JD | J | | 960D | | | 1100D | | | 15JD | J | | 10U | U | |
| Methylcyclohexane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| 1,2-Dichloropropane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Bromodichloromethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| cis-1,3-Dichloropropene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| 4-Methyl-2-pentanone | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Toluene | 7JD | J | | 9JD | J | | 1JD | J | | 4JD | J | | 4JD | J | | 2JD | J | | 10U | U | |
| trans-1,3-Dichloropropene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| 1,1,2-Trichloroethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Tetrachloroethene | 1600DB | J | | 1600DB | J | | 15JDB | J | | 430DB | J | | 450DB | J | | 130DB | J | | 10U | U | |
| 2-Hexanone | 170U | UJ | | 200U | UJ | | 25U | UJ | | 100U | UJ | | 100U | UJ | | 50U | UJ | | 10U | U | |
| Dibromochloromethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| 1,2-Dibromoethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Chlorobenzene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TP8
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-OW2-0078 | | | GW103-OW3-0080 | | | GW103-OW4A-0073 | | | GW103-OW5-0048 | | | GW103-OW5-1048 | | | GW103-OW6-0048 | | | Method Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TR8DL | | | Y0TR9DL | | | Y0TS1DL | | | Y0TS4DL | | | Y0TS5DL | | | Y0TS6DL | | | VBLKCJ | | |
| Collection Date | 02/19/2003 | | | 02/20/2003 | | | 02/20/2003 | | | 02/21/2003 | | | 02/21/2003 | | | 02/21/2003 | | | | | |
| Dilution Factor | 16 7 | | | 20 0 | | | 2 5 | | | 10 0 | | | 10 0 | | | 5 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 | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Xylenes (total) | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Styrene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Bromoform | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| Isopropylbenzene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| 1,1,2,2-Tetrachloroethane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| 1,3-Dichlorobenzene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 0 6J | J | |
| 1,4-Dichlorobenzene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 0 6J | J | |
| 1,2-Dichlorobenzene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 0 7J | J | |
| 1,2-Dibromo-3-chloropropane | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 10U | U | |
| 1,2,4-Trichlorobenzene | 170U | U | | 200U | U | | 25U | U | | 100U | U | | 100U | U | | 50U | U | | 2J | J | |

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. : 31445 SDG No. : Y0TP8
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL 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 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | VBLKCK | | | VBLKCL | | | VHBLKCJ | | | CRQL | | | | | | | | | | | |
| Collection Date : | | | | | | | | | | | | | | | | | | | | | |
| Dilution Factor : | 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** |
| Dichlorodifluoromethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Chloromethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Vinyl Chloride | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Bromomethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Chloroethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Trichlorofluoromethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,1-Dichloroethene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Acetone | 10U | UJ | | 10U | UJ | | 10U | UJ | | 10 | | | | | | | | | | | |
| Carbon Disulfide | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Methyl Acetate | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Methylene Chloride | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| trans-1,2-Dichloroethene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Methyl tert-Butyl Ether | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,1-Dichloroethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| cis-1,2-Dichloroethene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 2-Butanone | 10U | UJ | | 10U | UJ | | 10U | UJ | | 10 | | | | | | | | | | | |
| Chloroform | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Cyclohexane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Carbon Tetrachloride | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Benzene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,2-Dichloroethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Trichloroethene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Methylcyclohexane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,2-Dichloropropane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Bromodichloromethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| cis-1,3-Dichloropropene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 4-Methyl-2-pentanone | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Toluene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| trans-1,3-Dichloropropene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,1,2-Trichloroethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Tetrachloroethene | 1J | J | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 2-Hexanone | 10U | UJ | | 10U | UJ | | 10U | UJ | | 10 | | | | | | | | | | | |
| Dibromochloromethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,2-Dibromoethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Chlorobenzene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TP8
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL 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 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | VBLKCK | | | VBLKCL | | | VHBLKCJ | | | CRQL | | | | | | | | | | | |
| Collection Date | | | | | | | | | | | | | | | | | | | | | |
| Dilution Factor | 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 | | 10 | | | | | | | | | | | |
| Xylenes (total) | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Styrene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Bromoform | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| Isopropylbenzene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,3-Dichlorobenzene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,2-Dichlorobenzene | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | 10U | U | | 10U | U | | 10U | U | | 10 | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 2J | J | | 1J | J | | 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 31445 SDG No Y0TQ5
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW01A-0055 | | | GW103-MW01B-0080 | | | GW103-MW01B-1080 | | | GW103-MW02A-0055 | | | GW103-MW05A-0049 | | | GW103-MW06A-0042 | | | GW103-MW07A-0041 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TP0 | | | Y0TP2 | | | Y0TP3 | | | Y0TP4 | | | Y0TQ3 | | | Y0TQ4 | | | Y0TQ5 | | |
| Collection Date | 02/26/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 03/03/2003 | | | 03/03/2003 | | | 03/03/2003 | | | 02/24/2003 | | |
| Dilution Factor | 1 0 | | | 1.0 | | | 1 0 | | | 50 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** |
| DICHLORODIFLUOR( | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 1J | J | | 10U | U | | 10U | U | |
| CHLOROMETHANE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| VINYL CHLORIDE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| BROMOMETHANE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| CHLOROETHANE | 10U | UJ | | 10U | UJ | | 10U | UJ | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| TRICHLOROFLUORO | 1J | J | | 10U | U | | 10U | U | | 640 | | | 230E | | | 10U | U | | 10U | U | |
| 1,1-DICHLOROETHE | 30 | | | 17 | | | 18 | | | 2100 | J | | 550E | J | | 3J | J | | 10U | U | |
| 1,1,2-TRICHLORO-1,2 | 9J | J | | 1J | J | | 1J | J | | 1800 | | | 580E | | | 10U | U | | 2J | J | |
| ACETONE | 10U | U | | 10U | U | | 10U | U | | 500U | UJ | | 10U | U | | 10U | U | | 10U | UJ | |
| CARBON DISULFIDE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| METHYL ACETATE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| METHYLENE CHLOR | 10U | U | | 10U | U | | 10U | U | | 38J | J | | 10U | U | | 10U | U | | 0.4J | J | |
| TRANS-1,2-DICHLOR | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 2J | J | | 10U | U | | 10U | U | |
| METHYL TERT-BUTY | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 2J | J | | 10U | U | | 10U | U | |
| 1,1-DICHLOROETHA | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 3J | J | | 10U | U | | 10U | U | |
| CIS-1,2-DICHLOROE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 39 | | | 10U | U | | 0 9J | J | |
| 2-BUTANONE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | UJ | |
| CHLOROFORM | 1J | J | | 0.8J | J | | 0.8J | J | | 700 | | | 150 | | | 0.7J | J | | 10U | U | |
| 1,1,1-TRICHLOROET | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 3J | J | | 10U | U | | 10U | U | |
| CYCLOHEXANE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| CARBON TETRACHL | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| BENZENE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 1J | J | | 10U | U | | 10U | U | |
| 1,2-DICHLOROETHA | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10 | | | 10U | U | | 10U | U | |
| TRICHLOROETHENE | 840E | | | 350E | | | 370E | | | 660 | | | 1200E | | | 5J | J | | 4J | J | |
| METHYLCYCLOHEXA | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2-DICHLOROPROP | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| BROMODICHLOROM | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| CIS-1,3-DICHLOROP | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 4-METHYL-2-PENTAN | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| TOLUENE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 0.4J | J | |
| TRANS-1,3-DICHLOR | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,1,2-TRICHLOROET | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| TETRACHLOROETHE | 39 | | | 31 | | | 33 | | | 3700 | | | 850E | | | 320E | | | 27B | | |
| 2-HEXANONE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | UJ | |
| DIBROMOCHLOROM | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2-DIBROMOETHAN | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| CHLOROBENZENE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No . Y0TQ5
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location . | GW103-MW01A-0055 | | | GW103-MW01B-0080 | | | GW103-MW01B-1080 | | | GW103-MW02A-0055 | | | GW103-MW05A-0049 | | | GW103-MW06A-0042 | | | GW103-MW07A-0041 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TP0 | | | Y0TP2 | | | Y0TP3 | | | Y0TP4 | | | Y0TQ3 | | | Y0TQ4 | | | Y0TQ5 | | |
| Collection Date . | 02/26/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 03/03/2003 | | | 03/03/2003 | | | 03/03/2003 | | | 02/24/2003 | | |
| Dilution Factor | 1 0 | | | 1 0 | | | 1 0 | | | 50 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 | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| XYLENES (TOTAL) | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| STYRENE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| BROMOFORM | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| ISOPROPYLBENZEN | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,1,2,2-TETRACHLOR | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,3-DICHLOROBENZE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,4-DICHLOROBENZE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2-DICHLOROBENZE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2-DIBROMO-3-CHL | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2,4-TRICHLOROBE | 10U | U | | 10U | U | | 10U | U | | 500U | U | | 10U | U | | 10U | U | | 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 31445 SDG No Y0TQ5
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW08A-0040 | | | GW103-MW08B-0070 | | | GW103-MW08D-0116 | | | GW103-MW01A-0055 | | | GW103-MW01B-0080 | | | GW103-MW01B-1080 | | | GW103-MW05A-0049 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TQ6 | | | Y0TQ7 | | | Y0TR0 | | | Y0TP0DL | | | Y0TP2DL | | | Y0TP3DL | | | Y0TQ3DL | | |
| Collection Date | 02/25/2003 | | | 02/25/2003 | | | 02/25/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 03/03/2003 | | |
| Dilution Factor | 1 0 | | | 1 0 | | | 1 0 | | | 8 3 | | | 3 3 | | | 3 9 | | | 12 5 | | |
| **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 | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| CHLOROMETHANE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| VINYL CHLORIDE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| BROMOMETHANE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| CHLOROETHANE | 10U | UJ | | 10U | UJ | | 10U | UJ | | 83U | U | | 33U | UJ | | 39U | UJ | | 130U | U | |
| TRICHLOROFLUORO | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 290D | | |
| 1,1-DICHLOROETHEN | 4J | J | | 0 9J | J | | 10U | U | | 29JD | J | | 14JD | J | | 14JD | J | | 870D | J | |
| 1,1,2-TRICHLORO-1,2 | 10U | U | | 10U | U | | 10U | U | | 9JD | J | | 33U | U | | 39U | U | | 830D | | |
| ACETONE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | UJ | |
| CARBON DISULFIDE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| METHYL ACETATE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| METHYLENE CHLOR | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| TRANS-1,2-DICHLOR | 0 5J | J | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| METHYL TERT-BUTY | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,1-DICHLOROETHAN | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| CIS-1,2-DICHLOROET | 25 | | | 0 6J | J | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 42JD | J | |
| 2-BUTANONE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| CHLOROFORM | 0.4J | J | | 10U | U | | 0.4J | J | | 83U | U | | 33U | U | | 39U | U | | 170D | | |
| 1,1,1-TRICHLOROETH | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| CYCLOHEXANE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| CARBON TETRACHL | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| BENZENE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,2-DICHLOROETHAN | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| TRICHLOROETHENE | 100 | | | 2J | J | | 19 | | | 570D | | | 270D | | | 270D | | | 2000D | | |
| METHYLCYCLOHEXA | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,2-DICHLOROPROP | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| BROMODICHLOROM | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| CIS-1,3-DICHLOROP | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 4-METHYL-2-PENTAN | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| TOLUENE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| TRANS-1,3-DICHLOR | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,1,2-TRICHLOROETH | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| TETRACHLOROETHE | 680E | | | 10 | | | 1J | J | | 33JD | J | | 27JD | J | | 27JD | J | | 1200D | | |
| 2-HEXANONE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| DIBROMOCHLOROM | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,2-DIBROMOETHAN | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| CHLOROBENZENE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TQ5
Site . OMEGA RECOVERY SERV.
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW08A-0040 | | | GW103-MW08B-0070 | | | GW103-MW08D-0116 | | | GW103-MW01A-0055 | | | GW103-MW01B-0080 | | | GW103-MW01B-1080 | | | GW103-MW05A-0049 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TQ6 | | | Y0TQ7 | | | Y0TR0 | | | Y0TP0DL | | | Y0TP2DL | | | Y0TP3DL | | | Y0TQ3DL | | |
| Collection Date | 02/25/2003 | | | 02/25/2003 | | | 02/25/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 03/03/2003 | | |
| Dilution Factor | 1 0 | | | 1 0 | | | 1.0 | | | 8 3 | | | 3.3 | | | 3 9 | | | 12 5 | | |
| **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 | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| XYLENES (TOTAL) | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| STYRENE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| BROMOFORM | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| ISOPROPYLBENZEN | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,1,2,2-TETRACHLOF | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,3-DICHLOROBENZE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,4-DICHLOROBENZE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,2-DICHLOROBENZE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,2-DIBROMO-3-CHL | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | U | |
| 1,2,4-TRICHLOROBE | 10U | U | | 10U | U | | 10U | U | | 83U | U | | 33U | U | | 39U | U | | 130U | 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 31445 SDG No. Y0TQ5
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer .
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW06A-0042 | | | GW103-MW08A-0040 | | | Method Blank | | | Method Blank | | | Method Blank | | | Method Blank | | | Method Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID · | Y0TQ4DL | | | Y0TQ6DL | | | VBLKCK | | | VBLKDC | | | VBLKDD | | | VBLKGH | | | VBLKGI | | |
| Collection Date | 03/03/2003 | | | 02/25/2003 | | | | | | | | | | | | | | | | | |
| Dilution Factor . | 2 9 | | | 7.1 | | | 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** |
| DICHLORODIFLUORC | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| CHLOROMETHANE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| VINYL CHLORIDE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| BROMOMETHANE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| CHLOROETHANE | 29U | UJ | | 71U | UJ | | 10U | U | | 10U | U | | 10U | UJ | | 10U | U | | 10U | U | |
| TRICHLOROFLUORO | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,1-DICHLOROETHEI | 3JD | J | | 3JD | J | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | UJ | |
| 1,1,2-TRICHLORO-1,2 | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| ACETONE | 29U | UJ | | 71U | U | | 10U | UJ | | 10U | U | | 10U | U | | 10U | U | | 10U | UJ | |
| CARBON DISULFIDE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| METHYL ACETATE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| METHYLENE CHLOR | 29U | UJ | | 71U | U | | 10U | U | | 0.7J | J | | 10U | U | | 10U | U | | 10U | U | |
| TRANS-1,2-DICHLOR | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| METHYL TERT-BUTY | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,1-DICHLOROETHAI | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| CIS-1,2-DICHLOROE | 29U | UJ | | 21JD | J | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 2-BUTANONE | 29U | UJ | | 71U | U | | 10U | UJ | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| CHLOROFORM | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,1,1-TRICHLOROETI | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| CYCLOHEXANE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| CARBON TETRACHL | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| BENZENE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2-DICHLOROETHAI | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| TRICHLOROETHENE | 8JD | J | | 81D | | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| METHYLCYCLOHEXA | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2-DICHLOROPROP | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| BROMODICHLOROM | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| CIS-1,3-DICHLOROPI | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 4-METHYL-2-PENTAN | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| TOLUENE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| TRANS-1,3-DICHLOR | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,1,2-TRICHLOROETI | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| TETRACHLOROETHE | 480D | J | | 500D | | | 1J | J | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 2-HEXANONE | 29U | UJ | | 71U | U | | 10U | UJ | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| DIBROMOCHLOROM | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2-DIBROMOETHAN | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| CHLOROBENZENE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TQ5
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type .** Low Level Water Samples For Volatiles

| Station Location | GW103-MW06A-0042 | | | GW103 MW08A-0040 | | | Method Blank | | | Method Blank | | | Method Blank | | | Method Blank | | | Method Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TQ4DL | | | Y0TQ6DL | | | VBLKCK | | | VBLKDC | | | VBLKDD | | | VBLKGH | | | VBLKGI | | |
| Collection Date | 03/03/2003 | | | 02/25/2003 | | | | | | | | | | | | | | | | | |
| Dilution Factor | 2 9 | | | 7 1 | | | 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** |
| ETHYLBENZENE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| XYLENES (TOTAL) | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| STYRENE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| BROMOFORM | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| ISOPROPYLBENZEN | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,1,2,2-TETRACHLOR | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,3-DICHLOROBENZE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,4-DICHLOROBENZE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2-DICHLOROBENZE | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2-DIBROMO-3-CHL | 29U | UJ | | 71U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | | 10U | U | |
| 1,2,4-TRICHLOROBE | 29U | UJ | | 71U | U | | 2J | J | | 1J | J | | 2J | J | | 10U | U | | 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 31445 SDG No Y0TQ5
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | Method Blank | | | Method Blank | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | VBLKGK | | | VHBLKDB | | | CRQL | | | | | | | | | | | | | | |
| Collection Date | | | | | | | | | | | | | | | | | | | | | |
| Dilution Factor | 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 | | 10 | | | | | | | | | | | | | | |
| CHLOROMETHANE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| VINYL CHLORIDE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| BROMOMETHANE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| CHLOROETHANE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| TRICHLOROFLUORO | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,1-DICHLOROETHE | 10U | UJ | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,1,2-TRICHLORO-1,2 | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| ACETONE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| CARBON DISULFIDE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| METHYL ACETATE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| METHYLENE CHLOR | 10U | U | | 0.4J | J | | 10 | | | | | | | | | | | | | | |
| TRANS-1,2-DICHLOR | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| METHYL TERT-BUTY | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,1-DICHLOROETHAN | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| CIS-1,2-DICHLOROE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 2-BUTANONE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| CHLOROFORM | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,1,1-TRICHLOROETH | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| CYCLOHEXANE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| CARBON TETRACHL | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| BENZENE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,2-DICHLOROETHAN | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| TRICHLOROETHENE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| METHYLCYCLOHEXA | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,2-DICHLOROPROP | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| BROMODICHLOROM | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| CIS-1,3-DICHLOROP | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 4-METHYL-2-PENTAN | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| TOLUENE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| TRANS-1,3-DICHLOR | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,1,2-TRICHLOROETH | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| TETRACHLOROETHE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 2-HEXANONE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| DIBROMOCHLOROM | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,2-DIBROMOETHAN | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| CHLOROBENZENE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No. . 31445 SDG No Y0TQ5
Site : OMEGA RECOVERY SERV.
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date .

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | Method Blank | | | Method Blank | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | VBLKGK | | | VHBLKDB | | | CRQL | | | | | | | | | | | | | | |
| Collection Date : | | | | | | | | | | | | | | | | | | | | | |
| Dilution Factor : | 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 | | 10 | | | | | | | | | | | | | | |
| XYLENES (TOTAL) | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| STYRENE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| BROMOFORM | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| ISOPROPYLBENZEN | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,1,2,2-TETRACHLOR | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,3-DICHLOROBENZE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,4-DICHLOROBENZE | 0.6J | J | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,2-DICHLOROBENZE | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,2-DIBROMO-3-CHL | 10U | U | | 10U | U | | 10 | | | | | | | | | | | | | | |
| 1,2,4-TRICHLOROBE | 2J | J | | 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. : 31445 SDG No. : Y0TP6
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | GW103-MW01A-2006 | | | GW103-MW02A-2007 | | | GW103-MW03A-0042 | | | GW103-MW03A-2004 | | | GW103-MW08B-2005 | | | GW103-MW08C-0087 | | | GW103-MW09A-0032 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | Y0TP1 | | | Y0TP5 | | | Y0TP6 | | | Y0TP7 | | | Y0TQ8 | | | Y0TQ9 | | | Y0TR1 | | |
| Collection Date : | 02/26/2003 | | | 03/03/2003 | | | 02/24/2003 | | | 02/24/2003 | | | 02/25/2003 | | | 02/25/2003 | | | 02/26/2003 | | |
| 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** |
| Dichlorodifluoromethai | 0.5U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | UJ | | 0.2J | J | | 0.1J | J | |
| Chloromethane | 0.5U | UJ | | 0.05J | J | | 0.07J | J | | 0.5U | U | | 0.5U | UJ | | 0.05J | J | | 0.1J | J | |
| Vinyl Chloride | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Bromomethane | 0.5U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | UJ | | 0.5U | UJ | | 0.5U | UJ | |
| Chloroethane | 0.5U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | UJ | | 0.5U | UJ | | 0.5U | UJ | |
| 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 | | 2 | | | 1 | | |
| 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 | 3J | J | | 5U | U | | 2J | J | | 5U | U | | 2J | J | | 3J | J | | 2J | J | |
| Carbon Disulfide | 0.5U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.07J | J | | 0.5U | UJ | | 0.5U | UJ | |
| Methyl Acetate | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Methylene Chloride | 0.5U | U | | 0.07J | J | | 0.5U | U | | 0.5U | U | | 0.07J | J | | 0.5U | U | | 0.5U | U | |
| trans-1,2-Dichloroethe | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| tert-Butyl Methyl Ether | 0.5U | U | | 0.5U | U | | 0.1J | J | | 0.5U | U | | 0.5U | U | | 0.05J | J | | 0.9 | | |
| 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 | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 2 | | | 3 | | |
| 2-Butanone | 4J | J | | 5U | U | | 5U | U | | 5U | U | | 3J | J | | 3J | J | | 2J | J | |
| Bromochloromethane | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Chloroform | 0.5 | | | 0.5J | J | | 0.1J | J | | 0.5 | | | 0.5 | | | 0.3J | J | | 0.2J | J | |
| 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 | UJ | | 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 | | 0.5JB | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 3 | | | 21 | | |
| Methylcyclohexane | 0.5U | U | | 0.5U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.7 | | | 0.5U | U | |
| 1,2-Dichloropropane | 0.5U | U | | 0.5U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Bromodichloromethan | 0.5U | U | | 0.5U | UJ | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| cis-1,3-Dichloroproper | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | | 0.5JB | UJ | |
| 4-Methyl-2-pentanone | 5U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | |
| Toluene | 0.5U | U | | 0.5U | U | | 0.03J | J | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.04J | J | |
| 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 | 0.04J | J | | 0.5U | U | | 0.5JB | UJ | | 0.5U | U | | 0.5U | U | | 11 | | | 190E | | |
| 2-Hexanone | 5U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | | 5U | U | |
| Dibromochloromethan | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,2-Dibromoethane | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TP6
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW01A-2006 | | | GW103-MW02A-2007 | | | GW103-MW03A-0042 | | | GW103-MW03A-2004 | | | GW103-MW08B-2005 | | | GW103-MW08C-0087 | | | GW103-MW09A-0032 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TP1 | | | Y0TP5 | | | Y0TP6 | | | Y0TP7 | | | Y0TQ8 | | | Y0TQ9 | | | Y0TR1 | | |
| Collection Date | 02/26/2003 | | | 03/03/2003 | | | 02/24/2003 | | | 02/24/2003 | | | 02/25/2003 | | | 02/25/2003 | | | 02/26/2003 | | |
| 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 07J | J | | 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 06J | J | | 0 5U | U | |
| Xylenes (total) | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 08J | J | | 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 | 0 5JB | UJ | | 0 5U | U | | 0 5JB | UJ | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 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 5JB | UJ | | 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-Trichlorobenzen | 0 5U | U | | 0.5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,2,3-Trichlorobenzen | 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. : 31445 SDG No. : Y0TP6
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | GW103-MW09B-0054 | | | GW103-MW10A-0057 | | | GW103-MW11A-0045 | | | GW103-MW09A-0032 | | | Method Blank | | | Method Blank | | | Method Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | Y0TR3 | | | Y0TR4 | | | Y0TR5 | | | Y0TR1DL | | | VBLKBT | | | VBLKCP | | | VBLKCQ | | |
| Collection Date : | 02/26/2003 | | | 02/24/2003 | | | 02/24/2003 | | | 02/26/2003 | | | | | | | | | | | |
| Dilution Factor : | 1.0 | | | 3.6 | | | 1.0 | | | 12.5 | | | 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** |
| Dichlorodifluoromethar | 0.3J | J | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Chloromethane | 0.08J | J | | 2U | U | | 0.5U | U | | 6U | U | | 0.4J | J | | 0.5U | U | | 0.5U | U | |
| Vinyl Chloride | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Bromomethane | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Chloroethane | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Trichlorofluoromethan | 0.5U | U | | 19 | | | 0.5 | | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1-Dichloroethene | 0.5U | U | | 23 | | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1,2-Trichloro-1,2,2-tr | 0.5U | U | | 36 | | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Acetone | 5U | U | | 9J | J | | 5U | U | | 63U | U | | 5U | U | | 5U | U | | 5U | U | |
| Carbon Disulfide | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Methyl Acetate | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Methylene Chloride | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| trans-1,2-Dichloroethe | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| tert-Butyl Methyl Ether | 0.9 | | | 3 | | | 0.4J | J | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1-Dichloroethane | 0.5U | U | | 2U | U | | 0.09J | J | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| cis-1,2-Dichloroethene | 0.1J | J | | 1J | J | | 1 | | | 3JD | J | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 2-Butanone | 5U | U | | 18U | U | | 5U | U | | 63U | U | | 5U | U | | 5U | U | | 5U | U | |
| Bromochloromethane | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Chloroform | 0.2J | J | | 0.9J | J | | 0.3J | J | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1,1-Trichloroethane | 0.5U | U | | 0.1J | J | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Cyclohexane | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Carbon Tetrachloride | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Benzene | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,2-Dichloroethane | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Trichloroethene | 2 | | | 34 | | | 2 | | | 21D | | | 0.07J | J | | 0.5U | U | | 0.2J | J | |
| Methylcyclohexane | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,2-Dichloropropane | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Bromodichloromethan | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| cis-1,3-Dichloroproper | 0.5JB | UJ | | 2JB | UJ | | 0.5JB | UJ | | 6JDB | UJ | | 0.08J | J | | 0.08J | J | | 0.08J | J | |
| 4-Methyl-2-pentanone | 5U | U | | 18U | U | | 5JB | UJ | | 63U | U | | 5U | U | | 0.4J | J | | 5U | U | |
| Toluene | 0.5U | U | | 0.1J | J | | 0.5U | U | | 0.4JD | J | | 0.06J | J | | 0.5U | U | | 0.04J | J | |
| trans-1,3-Dichloroprop | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,1,2-Trichloroethane | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| Tetrachloroethene | 14B | | | 55B | | | 8B | | | 250DB | | | 0.04J | J | | 0.08J | J | | 0.07J | J | |
| 2-Hexanone | 5U | U | | 18U | U | | 5U | U | | 63U | U | | 5U | U | | 5U | U | | 5U | U | |
| Dibromochloromethan | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |
| 1,2-Dibromoethane | 0.5U | U | | 2U | U | | 0.5U | U | | 6U | U | | 0.5U | U | | 0.5U | U | | 0.5U | U | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No Y0TP6
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW09B-0054 | | | GW103-MW10A-0057 | | | GW103-MW11A-0045 | | | GW103-MW09A-0032 | | | Method Blank | | | Method Blank | | | Method Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TR3 | | | Y0TR4 | | | Y0TR5 | | | Y0TR1DL | | | VBLKBT | | | VBLKCP | | | VBLKCQ | | |
| Collection Date | 02/26/2003 | | | 02/24/2003 | | | 02/24/2003 | | | 02/26/2003 | | | | | | | | | | | |
| Dilution Factor | 1 0 | | | 3 6 | | | 1 0 | | | 12 5 | | | 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 | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| Ethylbenzene | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0.09J | J | | 0 03J | J | | 0 03J | J | |
| Xylenes (total) | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 07J | J | | 0 5U | U | | 0 1J | J | |
| Styrene | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| Bromoform | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 07J | J | | 0 06J | J | |
| Isopropylbenzene | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,1,2,2-Tetrachloroeth | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,3-Dichlorobenzene | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 05J | J | | 0 04J | J | |
| 1,4-Dichlorobenzene | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 04J | J | | 0 05J | J | |
| 1,2-Dichlorobenzene | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,2-Dibromo-3-chlorop | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,2,4-Trichlorobenzene | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | U | | 0 5U | U | | 0 5U | U | | 0 5U | U | |
| 1,2,3-Trichlorobenzene | 0 5U | U | | 2U | U | | 0 5U | U | | 6U | 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. : 31445 SDG No. : Y0TP6
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | Method Blank | | | Method Blank | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | VBLKER | | | VHBLKBR | | | CRQL | | | | | | | | | | | | | | |
| Collection Date : | | | | | | | | | | | | | | | | | | | | | |
| Dilution Factor : | 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 | | 0.5 | | | | | | | | | | | | | | |
| Chloromethane | 0.5U | U | | 0.3JB | J | | 0.5 | | | | | | | | | | | | | | |
| Vinyl Chloride | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Bromomethane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Chloroethane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Trichlorofluoromethan | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,1-Dichloroethene | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,1,2-Trichloro-1,2,2-tr | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Acetone | 5U | U | | 3J | J | | 5 | | | | | | | | | | | | | | |
| Carbon Disulfide | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Methyl Acetate | 0.5U | U | | 0.4J | J | | 0.5 | | | | | | | | | | | | | | |
| Methylene Chloride | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| trans-1,2-Dichloroethe | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| tert-Butyl Methyl Ether | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,1-Dichloroethane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| cis-1,2-Dichloroethene | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 2-Butanone | 5U | U | | 5U | U | | 5 | | | | | | | | | | | | | | |
| Bromochloromethane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Chloroform | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,1,1-Trichloroethane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Cyclohexane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Carbon Tetrachloride | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Benzene | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,2-Dichloroethane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Trichloroethene | 0.5U | U | | 0.08JB | J | | 0.5 | | | | | | | | | | | | | | |
| Methylcyclohexane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,2-Dichloropropane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Bromodichloromethan | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| cis-1,3-Dichloroproper | 0.09J | J | | 0.08JB | J | | 0.5 | | | | | | | | | | | | | | |
| 4-Methyl-2-pentanone | 0.3J | J | | 5U | U | | 5 | | | | | | | | | | | | | | |
| Toluene | 0.5U | U | | 0.04JB | J | | 0.5 | | | | | | | | | | | | | | |
| trans-1,3-Dichloroprop | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,1,2-Trichloroethane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Tetrachloroethene | 0.5U | U | | 0.08JB | J | | 0.5 | | | | | | | | | | | | | | |
| 2-Hexanone | 5U | U | | 5U | U | | 5 | | | | | | | | | | | | | | |
| Dibromochloromethan | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,2-Dibromoethane | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |

**ANALYTICAL RESULTS**
**Table 1A**

Case No. : 31445 SDG No. : Y0TP6
Site : OMEGA RECOVERY SERV.
Lab : LIBERTY ANALYTICAL CORPORATION
Reviewer :
Date :

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location : | Method Blank | | | Method Blank | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID : | VBLKER | | | VHBLKBR | | | CRQL | | | | | | | | | | | | | | |
| Collection Date : | | | | | | | | | | | | | | | | | | | | | |
| Dilution Factor : | 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 | | 0.5 | | | | | | | | | | | | | | |
| Ethylbenzene | 0.5U | U | | 0.07JB | J | | 0.5 | | | | | | | | | | | | | | |
| Xylenes (total) | 0.5U | U | | 0.1JB | J | | 0.5 | | | | | | | | | | | | | | |
| Styrene | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| Bromoform | 0.2J | J | | 0.08J | J | | 0.5 | | | | | | | | | | | | | | |
| Isopropylbenzene | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,1,2,2-Tetrachloroeth | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,3-Dichlorobenzene | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,4-Dichlorobenzene | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,2-Dichlorobenzene | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,2-Dibromo-3-chlorop | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,2,4-Trichlorobenzene | 0.5U | U | | 0.5U | U | | 0.5 | | | | | | | | | | | | | | |
| 1,2,3-Trichlorobenzene | 0.5U | U | | 0.5U | U | | 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

| CLIENT SAMPLE ID | LAB SAMPLE ID | ANALYTICAL METHOD CODE | PREP METHOD CODE | DATE SAMPLED | DATE ANALYZED | MATRIX | CAS NUMBER | PARAMETER NAME | RESULT | QUALIFIER | UNITS | DETECTION LIMIT | REPORTING LIMIT | DILUTION FACTOR | LAB NAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DG10B07BBLK | DG10B07B | RSK175 | METHOD | | 02/19/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| DG10B07BBLK | DG10B07B | RSK175 | METHOD | | 02/19/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| DG10B07BBLK | DG10B07B | RSK175 | METHOD | | 02/19/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| DG10B07LLCS | DG10B07L | RSK175 | METHOD | | 02/19/03 | WA | 74-84-0 | ETHANE | 112 | | PERCENT | | | 1 | EMXT |
| DG10B07LLCS | DG10B07L | RSK175 | METHOD | | 02/19/03 | WA | 74-85-1 | ETHENE | 94 | | PERCENT | | | 1 | EMXT |
| DG10B07LLCS | DG10B07L | RSK175 | METHOD | | 02/19/03 | WA | 74-82-8 | METHANE | 98 | | PERCENT | | | 1 | EMXT |
| DG10B07CLCSD | DG10B07C | RSK175 | METHOD | | 02/19/03 | WA | 74-84-0 | ETHANE | 115 | | PERCENT | | | 1 | EMXT |
| DG10B07CLCSD | DG10B07C | RSK175 | METHOD | | 02/19/03 | WA | 74-85-1 | ETHENE | 95 | | PERCENT | | | 1 | EMXT |
| DG10B07CLCSD | DG10B07C | RSK175 | METHOD | | 02/19/03 | WA | 74-82-8 | METHANE | 97 | | PERCENT | | | 1 | EMXT |
| GW103-MW04A-0047 | B140-01 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW04A-0047 | B140-01 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW04A-0047 | B140-01 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW04A-1047 | B140-02 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW04A-1047 | B140-02 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW04A-1047 | B140-02 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW04A-2001 | B140-03 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW04A-2001 | B140-03 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW04A-2001 | B140-03 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-82-8 | METHANE | 2 6 | | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW04B-0075 | B140-04 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW04B-0075 | B140-04 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW04B-0075 | B140-04 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-82-8 | METHANE | 0 45 | J | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW04C-0094 | B140-05 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW04C-0094 | B140-05 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW04C-0094 | B140-05 | RSK175 | METHOD | 02/18/03 | 02/19/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |

| CLIENT SAMPLE ID | LAB SAMPLE ID | ANALYTICAL METHOD CODE | PREP METHOD CODE | DATE SAMPLED | DATE ANALYZED | MATRIX | CAS NUMBER | PARAMETER NAME | RESULT | QUALIFIER | UNITS | DETECTION LIMIT | REPORTING LIMIT | DILUTION FACTOR | LAB NAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DG10B09BBLK | DG10B09B | RSK175 | METHOD | | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| DG10B09BBLK | DG10B09B | RSK175 | METHOD | | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| DG10B09BBLK | DG10B09B | RSK175 | METHOD | | 02/21/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| DG10B09LLCS | DG10B09L | RSK175 | METHOD | | 02/21/03 | WA | 74-84-0 | ETHANE | | 95 | PERCENT | | | 1 | EMXT |
| DG10B09LLCS | DG10B09L | RSK175 | METHOD | | 02/21/03 | WA | 74-85-1 | ETHENE | | 86 | PERCENT | | | 1 | EMXT |
| DG10B09LLCS | DG10B09L | RSK175 | METHOD | | 02/21/03 | WA | 74-82-8 | METHANE | | 85 | PERCENT | | | 1 | EMXT |
| DG10B09CLCSD | DG10B09C | RSK175 | METHOD | | 02/21/03 | WA | 74-84-0 | ETHANE | | 92 | PERCENT | | | 1 | EMXT |
| DG10B09CLCSD | DG10B09C | RSK175 | METHOD | | 02/21/03 | WA | 74-85-1 | ETHENE | | 89 | PERCENT | | | 1 | EMXT |
| DG10B09CLCSD | DG10B09C | RSK175 | METHOD | | 02/21/03 | WA | 74-82-8 | METHANE | | 85 | PERCENT | | | 1 | EMXT |
| GW103-OW1A-0080 | B155-01 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-84-0 | ETHANE | | 2 6 | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW1A-0080 | B155-01 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW1A-0080 | B155-01 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-82-8 | METHANE | | 2 4 | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW1B-0116 | B155-02 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW1B-0116 | B155-02 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW1B-0116 | B155-02 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-82-8 | METHANE | | 180 | E UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW1B-0116DL | B155-02T | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 32 | 60 | 50 | EMXT |
| GW103-OW1B-0116DL | B155-02T | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 33 | 65 | 50 | EMXT |
| GW103-OW1B-0116DL | B155-02T | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-82-8 | METHANE | | 1300 | UG/L | 21 | 50 | 50 | EMXT |
| GW103-OW2-0078 | B155-03 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW2-0078 | B155-03 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW2-0078 | B155-03 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW2-2002 | B155-04 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW2-2002 | B155-04 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW2-2002 | B155-04 | RSK175 | METHOD | 02/19/03 | 02/21/03 | WA | 74-82-8 | METHANE | | 2 2 | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW3-0080 | B155-05 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW3-0080 | B155-05 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW3-0080 | B155-05 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW4A-0073 | B155-06 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW4A-0073 | B155-06 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW4A-0073 | B155-06 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW4B-0125 | B155-07 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW4B-0125 | B155-07 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW4B-0125 | B155-07 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-82-8 | METHANE | | 310 | E UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW4B-0125MS | B155-07M | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-84-0 | ETHANE | | 109 | PERCENT | | | 1 | EMXT |
| GW103-OW4B-0125MS | B155-07M | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-85-1 | ETHENE | | 98 | PERCENT | | | 1 | EMXT |
| GW103-OW4B-0125MS | B155-07M | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-82-8 | METHANE | ND | | PERCENT | | | 1 | EMXT |
| GW103-OW4B-0125MSD | B155-07S | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-84-0 | ETHANE | | 98 | PERCENT | | | 1 | EMXT |
| GW103-OW4B-0125MSD | B155-07S | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-85-1 | ETHENE | | 87 | PERCENT | | | 1 | EMXT |
| GW103-OW4B-0125MSD | B155-07S | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-82-8 | METHANE | ND | | PERCENT | | | 1 | EMXT |
| GW103-OW4B-0125DL | B155-07I | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 160 | 300 | 250 | EMXT |
| GW103-OW4B-0125DL | B155-07I | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 170 | 320 | 250 | EMXT |
| GW103-OW4B-0125DL | B155-07I | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-82-8 | METHANE | | 7400 | UG/L | 100 | 250 | 250 | EMXT |
| GW103-OW8-0075 | B155-08 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW8-0075 | B155-08 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW8-0075 | B155-08 | RSK175 | METHOD | 02/20/03 | 02/21/03 | WA | 74-82-8 | METHANE | | 3 4 | UG/L | 0 42 | 1 | 1 | EMXT |

| CLIENT SAMPLE ID | LAB SAMPLE ID | ANALYTICAL METHOD CODE | PREP METHOD CODE | DATE SAMPLED | DATE ANALYZED | MATRIX | CAS NUMBER | PARAMETER NAME | RESULT | QUALIFIER | UNITS | DETECTION LIMIT | REPORTING LIMIT | DILUTION FACTOR | LAB NAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DG10B10BBLK | DG10B10B | RSK175 | METHOD | | 02/24/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| DG10B10BBLK | DG10B10B | RSK175 | METHOD | | 02/24/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| DG10B10BBLK | DG10B10B | RSK175 | METHOD | | 02/24/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| DG10B10LLCS | DG10B10L | RSK175 | METHOD | | 02/24/03 | WA | 74-84-0 | ETHANE | 92 | | PERCENT | | | 1 | EMXT |
| DG10B10LLCS | DG10B10L | RSK175 | METHOD | | 02/24/03 | WA | 74-85-1 | ETHENE | 79 | | PERCENT | | | 1 | EMXT |
| DG10B10LLCS | DG10B10L | RSK175 | METHOD | | 02/24/03 | WA | 74-82-8 | METHANE | 114 | | PERCENT | | | 1 | EMXT |
| DG10B10CLCSD | DG10B10C | RSK175 | METHOD | | 02/24/03 | WA | 74-84-0 | ETHANE | 94 | | PERCENT | | | 1 | EMXT |
| DG10B10CLCSD | DG10B10C | RSK175 | METHOD | | 02/24/03 | WA | 74-85-1 | ETHENE | 80 | | PERCENT | | | 1 | EMXT |
| DG10B10CLCSD | DG10B10C | RSK175 | METHOD | | 02/24/03 | WA | 74-82-8 | METHANE | 117 | | PERCENT | | | 1 | EMXT |
| GW103-OW5-0048 | B162-01 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW5-0048 | B162-01 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW5-0048 | B162-01 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW5-1048 | B162-02 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW5-1048 | B162-02 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW5-1048 | B162-02 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW6-0048 | B162-03 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW6-0048 | B162-03 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW6-0048 | B162-03 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-82-8 | METHANE | 0 69 | J | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW6-2003 | B162-04 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW6-2003 | B162-04 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW6-2003 | B162-04 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-82-8 | METHANE | 2 5 | | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-OW7-0081 | B162-05 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-OW7-0081 | B162-05 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-OW7-0081 | B162-05 | RSK175 | METHOD | 02/21/03 | 02/24/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |

| CLIENT SAMPLE ID | LAB SAMPLE ID | ANALYTICAL METHOD CODE | PREP METHOD CODE | DATE SAMPLED | DATE ANALYZED | MATRIX | CAS NUMBER | PARAMETER NAME | RESULT | QUALIFIER | UNITS | DETECTION LIMIT | REPORTING LIMIT | DILUTION FACTOR | LAB NAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DG10B11BBLK | DG10B11B | RSK175 | METHOD | | 02/25/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| DG10B11BBLK | DG10B11B | RSK175 | METHOD | | 02/25/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| DG10B11BBLK | DG10B11B | RSK175 | METHOD | | 02/25/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| DG10B11LLCS | DG10B11L | RSK175 | METHOD | | 02/25/03 | WA | 74-84-0 | ETHANE | 99 | | PERCENT | | | 1 | EMXT |
| DG10B11LLCS | DG10B11L | RSK175 | METHOD | | 02/25/03 | WA | 74-85-1 | ETHENE | 89 | | PERCENT | | | 1 | EMXT |
| DG10B11LLCS | DG10B11L | RSK175 | METHOD | | 02/25/03 | WA | 74-82-8 | METHANE | 99 | | PERCENT | | | 1 | EMXT |
| DG10B11CLCSD | DG10B11C | RSK175 | METHOD | | 02/25/03 | WA | 74-84-0 | ETHANE | 100 | | PERCENT | | | 1 | EMXT |
| DG10B11CLCSD | DG10B11C | RSK175 | METHOD | | 02/25/03 | WA | 74-85-1 | ETHENE | 89 | | PERCENT | | | 1 | EMXT |
| DG10B11CLCSD | DG10B11C | RSK175 | METHOD | | 02/25/03 | WA | 74-82-8 | METHANE | 100 | | PERCENT | | | 1 | EMXT |
| GW103-MW03A-0042 | B166-01 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW03A-0042 | B166-01 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW03A-0042 | B166-01 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-82-8 | METHANE | 94 | E | UG/L | 0.42 | 1 | 1 | EMXT |
| GW103-MW03A-0042MS | B166-01M | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-84-0 | ETHANE | 113 | | PERCENT | | | 1 | EMXT |
| GW103-MW03A-0042MS | B166-01M | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-85-1 | ETHENE | 100 | | PERCENT | | | 1 | EMXT |
| GW103-MW03A-0042MS | B166-01M | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-82-8 | METHANE | ND | | PERCENT | | | 1 | EMXT |
| GW103-MW03A-0042MSD | B166-01S | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-84-0 | ETHANE | 111 | | PERCENT | | | 1 | EMXT |
| GW103-MW03A-0042MSD | B166-01S | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-85-1 | ETHENE | 100 | | PERCENT | | | 1 | EMXT |
| GW103-MW03A-0042MSD | B166-01S | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-82-8 | METHANE | 23 | | PERCENT | | | 1 | EMXT |
| GW103-MW03A-0042DL | B166-01T | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 6 4 | 12 | 10 | EMXT |
| GW103-MW03A-0042DL | B166-01T | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 6 7 | 13 | 10 | EMXT |
| GW103-MW03A-0042DL | B166-01T | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-82-8 | METHANE | 220 | | UG/L | 4 1 | 10 | 10 | EMXT |
| GW103-MW03A-2004 | B166-02 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0.64 | 1 2 | 1 | EMXT |
| GW103-MW03A-2004 | B166-02 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW03A-2004 | B166-02 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-82-8 | METHANE | 2.4 | | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW07A-0041 | B166-03 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW07A-0041 | B166-03 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW07A-0041 | B166-03 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW10A-0057 | B166-04 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW10A-0057 | B166-04 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW10A-0057 | B166-04 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW11A-0045 | B166-05 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW11A-0045 | B166-05 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW11A-0045 | B166-05 | RSK175 | METHOD | 02/24/03 | 02/25/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0.42 | 1 | 1 | EMXT |

| CLIENT SAMPLE ID | LAB SAMPLE ID | ANALYTICAL METHOD CODE | PREP METHOD CODE | DATE SAMPLED | DATE ANALYZED | MATRIX | CAS NUMBER | PARAMETER NAME | RESULT | QUALIFIER | UNITS | DETECTION LIMIT | REPORTING LIMIT | DILUTION FACTOR | LAB NAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DG10B12BBLK | DG10B12B | RSK175 | METHOD | | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| DG10B12BBLK | DG10B12B | RSK175 | METHOD | | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| DG10B12BBLK | DG10B12B | RSK175 | METHOD | | 02/27/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| DG10B12LLCS | DG10B12L | RSK175 | METHOD | | 02/27/03 | WA | 74-84-0 | ETHANE | 104 | | PERCENT | | | 1 | EMXT |
| DG10B12LLCS | DG10B12L | RSK175 | METHOD | | 02/27/03 | WA | 74-85-1 | ETHENE | 103 | | PERCENT | | | 1 | EMXT |
| DG10B12LLCS | DG10B12L | RSK175 | METHOD | | 02/27/03 | WA | 74-82-8 | METHANE | 103 | | PERCENT | | | 1 | EMXT |
| DG10B12CLCSD | DG10B12C | RSK175 | METHOD | | 02/27/03 | WA | 74-84-0 | ETHANE | 107 | | PERCENT | | | 1 | EMXT |
| DG10B12CLCSD | DG10B12C | RSK175 | METHOD | | 02/27/03 | WA | 74-85-1 | ETHENE | 102 | | PERCENT | | | 1 | EMXT |
| DG10B12CLCSD | DG10B12C | RSK175 | METHOD | | 02/27/03 | WA | 74-82-8 | METHANE | 102 | | PERCENT | | | 1 | EMXT |
| GW103-MW08A-0040 | B177-01 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW08A-0040 | B177-01 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW08A-0040 | B177-01 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW08B-0070 | B177-02 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW08B-0070 | B177-02 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW08B-0070 | B177-02 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW08B-2005 | B177-03 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW08B-2005 | B177-03 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW08B-2005 | B177-03 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-82-8 | METHANE | 2 3 | | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW08C-0087 | B177-04 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW08C-0087 | B177-04 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW08C-0087 | B177-04 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-82-8 | METHANE | 100 | E | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW08C-0087DL | B177-04T | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 6 4 | 12 | 10 | EMXT |
| GW103-MW08C-0087DL | B177-04T | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 6 7 | 13 | 10 | EMXT |
| GW103-MW08C-0087DL | B177-04T | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-82-8 | METHANE | 320 | | UG/L | 4 1 | 10 | 10 | EMXT |
| GW103-MW08D-0116 | B177-05 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW08D-0116 | B177-05 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW08D-0116 | B177-05 | RSK175 | METHOD | 02/25/03 | 02/27/03 | WA | 74-82-8 | METHANE | 2 9 | | UG/L | 0 42 | 1 | 1 | EMXT |

| CLIENT SAMPLE ID | LAB SAMPLE ID | ANALYTICAL METHOD CODE | PREP METHOD CODE | DATE SAMPLED | DATE ANALYZED | MATRIX | CAS NUMBER | PARAMETER NAME | RESULT | QUALIFIER | UNITS | DETECTION LIMIT | REPORTING LIMIT | DILUTION FACTOR | LAB NAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DG10B12BBLK | DG10B12B | RSK175 | METHOD | | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| DG10B12BBLK | DG10B12B | RSK175 | METHOD | | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| DG10B12BBLK | DG10B12B | RSK175 | METHOD | | 02/27/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| DG10B12LLCS | DG10B12L | RSK175 | METHOD | | 02/27/03 | WA | 74-84-0 | ETHANE | 104 | | PERCENT | | | 1 | EMXT |
| DG10B12LLCS | DG10B12L | RSK175 | METHOD | | 02/27/03 | WA | 74-85-1 | ETHENE | 103 | | PERCENT | | | 1 | EMXT |
| DG10B12LLCS | DG10B12L | RSK175 | METHOD | | 02/27/03 | WA | 74-82-8 | METHANE | 103 | | PERCENT | | | 1 | EMXT |
| DG10B12CLCSD | DG10B12C | RSK175 | METHOD | | 02/27/03 | WA | 74-84-0 | ETHANE | 107 | | PERCENT | | | 1 | EMXT |
| DG10B12CLCSD | DG10B12C | RSK175 | METHOD | | 02/27/03 | WA | 74-85-1 | ETHENE | 102 | | PERCENT | | | 1 | EMXT |
| DG10B12CLCSD | DG10B12C | RSK175 | METHOD | | 02/27/03 | WA | 74-82-8 | METHANE | 102 | | PERCENT | | | 1 | EMXT |
| GW103-MW01A-0055 | B188-01 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW01A-0055 | B188-01 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW01A-0055 | B188-01 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW01A-2006 | B188-02 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW01A-2006 | B188-02 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW01A-2006 | B188-02 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-82-8 | METHANE | 2 4 | | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW01B-0080 | B188-03 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW01B-0080 | B188-03 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW01B-0080 | B188-03 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-82-8 | METHANE | 20 | | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW01B-1080 | B188-04 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW01B-1080 | B188-04 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW01B-1080 | B188-04 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-82-8 | METHANE | 21 | | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW09A-0032 | B188-05 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW09A-0032 | B188-05 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW09A-0032 | B188-05 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-82-8 | METHANE | 220 | E | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW09A-0032DL | B188-05T | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 64 | 120 | 100 | EMXT |
| GW103-MW09A-0032DL | B188-05T | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 67 | 130 | 100 | EMXT |
| GW103-MW09A-0032DL | B188-05T | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-82-8 | METHANE | 1500 | | UG/L | 41 | 100 | 100 | EMXT |
| GW103-MW09B-0054 | B188-06 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW09B-0054 | B188-06 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW09B-0054 | B188-06 | RSK175 | METHOD | 02/26/03 | 02/27/03 | WA | 74-82-8 | METHANE | 1 7 | | UG/L | 0 42 | 1 | 1 | EMXT |

| CLIENT SAMPLE ID | LAB SAMPLE ID | ANALYTICAL METHOD CODE | PREP METHOD CODE | DATE SAMPLED | DATE ANALYZED | MATRIX | CAS NUMBER | PARAMETER NAME | RESULT | QUALIFIER | UNITS | DETECTION LIMIT | REPORTING LIMIT | DILUTION FACTOR | LAB NAME |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DG10C01BBLK | DG10C01B | RSK175 | METHOD | | 03/05/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| DG10C01BBLK | DG10C01B | RSK175 | METHOD | | 03/05/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| DG10C01BBLK | DG10C01B | RSK175 | METHOD | | 03/05/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| DG10C01LLCS | DG10C01L | RSK175 | METHOD | | 03/05/03 | WA | 74-84-0 | ETHANE | 98 | | PERCENT | | | 1 | EMXT |
| DG10C01LLCS | DG10C01L | RSK175 | METHOD | | 03/05/03 | WA | 74-85-1 | ETHENE | 89 | | PERCENT | | | 1 | EMXT |
| DG10C01LLCS | DG10C01L | RSK175 | METHOD | | 03/05/03 | WA | 74-82-8 | METHANE | 88 | | PERCENT | | | 1 | EMXT |
| DG10C01CLCSD | DG10C01C | RSK175 | METHOD | | 03/05/03 | WA | 74-84-0 | ETHANE | 103 | | PERCENT | | | 1 | EMXT |
| DG10C01CLCSD | DG10C01C | RSK175 | METHOD | | 03/05/03 | WA | 74-85-1 | ETHENE | 92 | | PERCENT | | | 1 | EMXT |
| DG10C01CLCSD | DG10C01C | RSK175 | METHOD | | 03/05/03 | WA | 74-82-8 | METHANE | 90 | | PERCENT | | | 1 | EMXT |
| GW103-MW02A-0055 | C008-01 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW02A-0055 | C008-01 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW02A-0055 | C008-01 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-82-8 | METHANE | 0 42 | J | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW02A-2007 | C008-02 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW02A-2007 | C008-02 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW02A-2007 | C008-02 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-82-8 | METHANE | 2 1 | | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW05A-0049 | C008-03 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW05A-0049 | C008-03 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW05A-0049 | C008-03 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-82-8 | METHANE | 0 46 | J | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW06A-0042 | C008-04 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-84-0 | ETHANE | ND | U | UG/L | 0 64 | 1 2 | 1 | EMXT |
| GW103-MW06A-0042 | C008-04 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-85-1 | ETHENE | ND | U | UG/L | 0 67 | 1 3 | 1 | EMXT |
| GW103-MW06A-0042 | C008-04 | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-82-8 | METHANE | ND | U | UG/L | 0 42 | 1 | 1 | EMXT |
| GW103-MW06A-0042MS | C008-04M | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-84-0 | ETHANE | 115 | | PERCENT | | | 1 | EMXT |
| GW103-MW06A-0042MS | C008-04M | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-85-1 | ETHENE | 98 | | PERCENT | | | 1 | EMXT |
| GW103-MW06A-0042MS | C008-04M | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-82-8 | METHANE | 98 | | PERCENT | | | 1 | EMXT |
| GW103-MW06A-0042MSD | C008-04S | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-84-0 | ETHANE | 117 | | PERCENT | | | 1 | EMXT |
| GW103-MW06A-0042MSD | C008-04S | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-85-1 | ETHENE | 100 | | PERCENT | | | 1 | EMXT |
| GW103-MW06A-0042MSD | C008-04S | RSK175 | METHOD | 03/03/03 | 03/05/03 | WA | 74-82-8 | METHANE | 97 | | PERCENT | | | 1 | EMXT |

**ANALYTICAL RESULTS**
**Table 1A**

Case No 31445 SDG No MY0TE6
Site OMEGA RECOVERY SERV
Lab SENTINEL INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

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

| Station Location | GW103-MW02A-0055 | | | GW103-MW02A-0055 | | | GW103-MW05A-0049 | | | GW103-MW05A-0049 | | | GW103-MW06A-0042 | | | GW103-MW06A-0042 | | | Lab Blank | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TE6 | | | MY0TE7 | | | MY0TF8 | | | MY0TF9 | | | MY0TG0 | | | MY0TG1 | | | PBW | | |
| Collection Date | 03/03/2003 | | | 03/03/2003 | | | 03/03/2003 | | | 03/03/2003 | | | 03/03/2003 | | | 03/03/2003 | | | | | |
| 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 | 208 | | | 57 1U | U | | 73 5B | | | 57 1U | U | | 128B | | | 57 1U | U | | 57 1U | | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | | |
| BARIUM | 61 5B | | | 59 3B | | | 60 3B | | | 60 0B | | | 50 2B | | | 48 0B | | | 1 8B | | |
| BERYLLIUM | 0 10U | U | | 0 15B | U | | 0 10U | U | | 0 10U | U | | 0 19B | U | | 0 10U | U | | 0 16B | | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | | |
| CALCIUM | 174000 | | | 173000 | | | 167000 | | | 169000 | | | 219000 | | | 213000 | | | 196B | | |
| *CHROMIUM* | *8 5B* | | | 7 7B | | | *12 0* | | | *12 1* | | | *98 5* | | | 96 8 | | | 0 60U | | |
| COBALT | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | | |
| COPPER | 2 2B | U | | 1 4B | U | | 0 62B | U | | 0 60U | U | | 0 99B | U | | 0 60U | U | | 0 64B | | |
| IRON | 274 | | | 27 6U | U | | 96 9B | | | 27 6U | U | | 152 | | | 27 6U | U | | 27 6U | | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | | |
| MAGNESIUM | 52900 | | | 52500 | | | 47600 | | | 48000 | | | 55900 | | | 55000 | | | 183B | | |
| MANGANESE | 5 8B | | | 0 20U | U | | 0 97B | U | | 0 20U | U | | 3 3B | U | | 0 20U | U | | 0 63B | | |
| MERCURY | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | | |
| NICKEL | 1 1U | U | | 1 1U | U | | 1 1U | U | | 1 1U | U | | 1 1U | U | | 1 1U | U | | 1 1U | | |
| *POTASSIUM* | 3360B | | | 3290B | | | 3940B | | | 3940B | | | 5060 | | | 4990B | | | 22 0U | | |
| SELENIUM | 4 8U | UJ | | 4 8U | UJ | | 4 8U | UJ | | 4 8U | UJ | | 11 4 | J | | 9 8 | J | | 4 8U | | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | | |
| SODIUM | 94900 | | | 94100 | | | 110000 | | | 111000 | | | 163000 | | | 161000 | | | 200U | | |
| THALLIUM | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | | |
| VANADIUM | 5 9B | | | 5 5B | | | 4 4B | U | | 4 5B | U | | 3 5B | U | | 3.3B | U | | 0 50U | | |
| ZINC | 9 5B | | | 1 8B | | | 1 6B | | | 1 4U | U | | 3 5B | U | | 1 4U | U | | 1 4U | | |
| CYANIDE | 1 6U | U | | NA | | | 3 9B | | | NA | | | 1 6U | U | | NA | | | 1 6U | | |

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 31445 SDG No MY0TE6
Site OMEGA RECOVERY SERV
Lab SENTINEL, INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

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

| Station Location | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | IDL | | | CRDL | | | | | | | | | | | | | | | | | | |
| Collection Date | | | | | | | | | | | | | | | | | | | | | | |
| Dilution Factor | 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 | 57 0 | | | 200 | | | | | | | | | | | | | | | | | |
| ANTIMONY | 2 3 | | | 60 0 | | | | | | | | | | | | | | | | | |
| ARSENIC | 4 8 | | | 10 0 | | | | | | | | | | | | | | | | | |
| BARIUM | 0.60 | | | 200 | | | | | | | | | | | | | | | | | |
| BERYLLIUM | 0 10 | | | 5 0 | | | | | | | | | | | | | | | | | |
| CADMIUM | 0 30 | | | 5 0 | | | | | | | | | | | | | | | | | |
| CALCIUM | 64 0 | | | 5000 | | | | | | | | | | | | | | | | | |
| CHROMIUM | 0 60 | | | 10 0 | | | | | | | | | | | | | | | | | |
| COBALT | 1 0 | | | 50 0 | | | | | | | | | | | | | | | | | |
| COPPER | 0 60 | | | 25.0 | | | | | | | | | | | | | | | | | |
| IRON | 28 0 | | | 100 | | | | | | | | | | | | | | | | | |
| LEAD | 2 2 | | | 3 0 | | | | | | | | | | | | | | | | | |
| MAGNESIUM | 22 0 | | | 5000 | | | | | | | | | | | | | | | | | |
| MANGANESE | 0 20 | | | 15 0 | | | | | | | | | | | | | | | | | |
| MERCURY | 0 10 | | | 0 20 | | | | | | | | | | | | | | | | | |
| NICKEL | 1 1 | | | 40.0 | | | | | | | | | | | | | | | | | |
| POTASSIUM | 22 0 | | | 5000 | | | | | | | | | | | | | | | | | |
| SELENIUM | 4 8 | | | 5 0 | | | | | | | | | | | | | | | | | |
| SILVER | 0 60 | | | 10 0 | | | | | | | | | | | | | | | | | |
| SODIUM | 200 | | | 5000 | | | | | | | | | | | | | | | | | |
| THALLIUM | 4 7 | | | 10 0 | | | | | | | | | | | | | | | | | |
| VANADIUM | 0 50 | | | 50 0 | | | | | | | | | | | | | | | | | |
| ZINC | 1 4 | | | 20 0 | | | | | | | | | | | | | | | | | |
| CYANIDE | 1 6 | | | 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 31445 SDG No MY0TE8
Site OMEGA RECOVERY SERV
Lab SENTINEL, INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

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

| Station Location | GW103-MW01A-0055 | | | GW103-MW01B-0080 | | | GW103-MW01B-1080 | | | GW103-MW03A-0042 | | | GW103-MW07A-0041 | | | GW103-MW08A-0040 | | | GW103-MW08B-0070 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TE0 | | | MY0TE2 | | | MY0TE4 | | | MY0TE8 | | | MY0TG2 | | | MY0TG4 | | | MY0TG6 | | |
| Collection Date | 02/26/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 02/24/2003 | | | 02/24/2003 | | | 02/25/2003 | | | 02/25/2003 | | |
| 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 | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | | 162B | | | 124B | | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 4 9B | | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | |
| BARIUM | 64 8B | | | 35 6B | | | 36 4B | | | 46 1B | | | 21 9B | | | 64 1B | | | 28 8B | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | |
| CALCIUM | 127000 | | | 120000 | | | 120000 | | | 140000 | | | 300000 | | | 216000 | | | 217000 | | |
| CHROMIUM | 155 | | | 26 4 | | | 28 9 | | | 0 69B | | | 3 5B | | | 56 8 | | | 8 4B | | |
| COBALT | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | |
| COPPER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0.60U | U | | 0 60U | U | |
| IRON | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 229 | | | 79 9B | | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | |
| MAGNESIUM | 41000 | | | 39800 | | | 40000 | | | 45500 | | | 91000 | | | 55100 | | | 58100 | | |
| MANGANESE | 0 20U | U | | 6 8B | | | 12 7B | | | 48 0 | | | 0 20U | U | | 1 8B | | | 3 8B | | |
| MERCURY | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| NICKEL | 1 1U | U | | 1 1U | U | | 1 1U | U | | 2 5B | | | 1 1U | U | | 1 1U | U | | 1 1U | U | |
| POTASSIUM | 2980B | | | 4660B | | | 4620B | | | 7630 | | | 7500 | | | 5530 | | | 5360 | | |
| SELENIUM | 8 2 | J | | 4 8U | U | | 6 6 | J | | 4 8U | U | | 26 3 | J | | 51 0 | J | | 10 3 | J | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | |
| SODIUM | 82700 | | | 80900 | | | 81200 | | | 203000 | | | 216000 | | | 163000 | | | 122000 | | |
| THALLIUM | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | |
| VANADIUM | 5 3B | | | 4 5B | | | 4 0B | | | 6 2B | | | 3 8B | U | | 2 5B | | | 3 2B | | |
| ZINC | 1 4U | U | | 6 5B | U | | 7 6B | U | | 2 1B | U | | 1 4U | U | | 1 4U | U | | 1 4U | U | |
| CYANIDE | 2 3B | | | 2 7B | | | 3 0B | | | 1 6U | U | | 1 6U | U | | 1 6U | U | | 1 6U | 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 31445 SDG No MY0TE8
Site OMEGA RECOVERY SERV
Lab SENTINEL INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

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

| Station Location | GW103-MW08C-0087 | | | GW103-MW08D-0116 | | | GW103-MW09A-0032 | | | GW103-MW09B-0054 | | | GW103-MW10A-0057 | | | GW103-MW11A 0045 | | | GW103-OW5-0048 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TG8 | | | MY0TH0 | | | MY0TH2 | | | MY0TH4 | | | MY0TH6 | | | MY0TH8 | | | MY0TK2 | | |
| Collection Date | 02/25/2003 | | | 02/25/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 02/24/2003 | | | 02/24/2003 | | | 02/21/2003 | | |
| 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 | 57 1U | U | | 57 1U | U | | 200 | | | 57 1U | U | | 58 1B | | | 57 1U | U | | 154B | | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | |
| ARSENIC | 5 0B | | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | |
| BARIUM | 26 4B | | | 99 2B | | | 33 6B | | | 30 7B | | | 31 6B | | | 24 9B | | | 64 2B | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | |
| CALCIUM | 212000 | | | 155000 | | | 213000 | | | 226000 | | | 218000 | | | 248000 | | | 144000 | | |
| CHROMIUM | 4 7B | | | 0 77B | | | 0 60U | U | | 6 2B | | | 6 0B | | | 0 60U | U | | 45 1 | | |
| COBALT | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | |
| COPPER | 0 60U | U | | 0 60U | U | | 2 7B | | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 1 4B | | |
| IRON | 99 6B | | | 18 7U | U | | 160 | | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 563 | | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | |
| MAGNESIUM | 55500 | | | 43100 | | | 58100 | | | 54100 | | | 62700 | | | 69600 | | | 42700 | | |
| MANGANESE | 56 6 | | | 338 | | | 496 | | | 0 20U | U | | 4 5B | | | 0 20U | U | | 12 3B | | |
| MERCURY | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| NICKEL | 1 1U | U | | 1 1U | U | | 1 1B | | | 1 1U | U | | 1 1U | U | | 1 1U | U | | 89 9 | | |
| POTASSIUM | 5410 | | | 4380B | | | 8100 | | | 6010 | | | 6820 | | | 6200 | | | 3090B | | |
| SELENIUM | 8 8 | J | | 25 3 | J | | 8 8 | J | | 9 2 | J | | 17 4 | J | | 25 0 | J | | 9 4 | J | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 67B | | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | |
| SODIUM | 128000 | | | 73000 | | | 169000 | | | 131000 | | | 179000 | | | 173000 | | | 102000 | | |
| THALLIUM | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | |
| VANADIUM | 2 3B | | | 2 6B | | | 2 5B | | | 2 8B | | | 2 6B | | | 2 5B | | | 5 9B | | |
| ZINC | 1 8B | U | | 1 7B | U | | 18 5B | | | 2 0B | | | 2 0B | U | | 1 4U | U | | 1 4B | | |
| CYANIDE | 2 2B | | | 1 6U | U | | 1 6U | U | | 4 0B | | | 1 6U | U | | 1 6U | U | | 1 6U | 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 31445 SDG No MY0TE8
Site OMEGA RECOVERY SERV
Lab SENTINEL INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

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

| Station Location | GW103-OW5-1048 | | | GW103 OW6-0048 | | | GW103-OW7-0081 | | | Lab Blank | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TK4 | | | MY0TK6 | | | MY0TK8 | | | PBW | | | IDL | | | CRDL | | | | | |
| Collection Date | 02/21/2003 | | | 02/21/2003 | | | 02/21/2003 | | | | | | | | | | | | | | |
| Dilution Factor | 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 | 144B | | | 57 1U | U | | 66 8B | | | 57 1U | | | 57 0 | | | 200 | | | | | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | | | 2 3 | | | 60 0 | | | | | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | | | 4 8 | | | 10 0 | | | | | |
| BARIUM | 61 9B | | | 29 3B | | | 19 8B | | | 0 73B | | | 0 60 | | | 200 | | | | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | | | 0 10 | | | 5 0 | | | | | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | | | 0 30 | | | 5 0 | | | | | |
| CALCIUM | 142000 | | | 220000 | | | 185000 | | | 63 5U | | | 64 0 | | | 5000 | | | | | |
| CHROMIUM | 46 6 | | | 1 4B | | | 5 5B | | | 0 60U | | | 0 60 | | | 10 0 | | | | | |
| COBALT | 1 2B | | | 1 0U | U | | 1 0U | U | | 1 0U | | | 1 0 | | | 50 0 | | | | | |
| COPPER | 1 1B | | | 0 60U | U | | 0 60U | U | | 0 60U | | | 0 60 | | | 25 0 | | | | | |
| IRON | 539 | | | 18 7U | U | | 27 9B | | | 18 7U | | | 19 0 | | | 100 | | | | | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | | | 2 2 | | | 3 0 | | | | | |
| MAGNESIUM | 42100 | | | 68300 | | | 62500 | | | 24 0B | | | 22 0 | | | 5000 | | | | | |
| MANGANESE | 11 4B | | | 0 20U | U | | 0 72B | | | 0 20U | | | 0 20 | | | 15 0 | | | | | |
| MERCURY | 0 10U | U | | 0 30 | | | 0 10U | U | | 0 10U | | | 0 10 | | | 0 20 | | | | | |
| NICKEL | 85 6 | | | 1 1U | U | | 1 1U | U | | -1 20000B | | | 1 1 | | | 40 0 | | | | | |
| POTASSIUM | 3040B | | | 3690B | | | 2170B | | | 22 0U | | | 22 0 | | | 5000 | | | | | |
| SELENIUM | 4 8U | U | | 4 8U | U | | 7 6 | J | | 4 8U | | | 4 8 | | | 5 0 | | | | | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | | | 0 60 | | | 10 0 | | | | | |
| SODIUM | 99400 | | | 137000 | | | 69800 | | | 200U | | | 200 | | | 5000 | | | | | |
| THALLIUM | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | | | 4 7 | | | 10 0 | | | | | |
| VANADIUM | 6 2B | | | 5 1B | | | 6 0B | | | 0 50U | | | 0 50 | | | 50 0 | | | | | |
| ZINC | 1 4U | U | | 1 4U | U | | 1 4U | U | | 1 4U | | | 1 4 | | | 20 0 | | | | | |
| CYANIDE | 1 6U | U | | 1 6U | U | | 1 6U | U | | 1 6U | | | 1 6 | | | 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 31445 SDG No MY0TE9
Site OMEGA RECOVERY SERV
Lab SENTINEL INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type** · Low Concentration Water Samples For Total Metals

| Station Location | GW103-MW01A-0055 | | | GW103-MW01B-0080 | | | GW103-MW01B-1080 | | | GW103-MW03A-0042 | | | GW103-MW07A-0041 | | | GW103-MW08A-0040 | | | GW103-MW08B-0070 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TE1 | | | MY0TE3 | | | MY0TE5 | | | MY0TE9 | | | MY0TG3 | | | MY0TG5 | | | MY0TG7 | | |
| Collection Date | 02/26/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 02/24/2003 | | | 02/24/2003 | | | 02/25/2003 | | | 02/25/2003 | | |
| 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 | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | |
| BARIUM | 63 4B | | | 36 1B | | | 35 4B | | | 46 8B | | | 21 8B | | | 64 0B | | | 27 7B | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | |
| CALCIUM | 125000 | | | 120000 | | | 119000 | | | 144000 | | | 304000 | | | 218000 | | | 216000 | | |
| CHROMIUM | 152 | | | 29 4 | | | 28 3 | | | 0 60U | U | | 4 4B | | | 56 9 | | | 8 3B | | |
| COBALT | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | |
| COPPER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | |
| IRON | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | |
| MAGNESIUM | 40200 | | | 39500 | | | 39300 | | | 46500 | | | 92600 | | | 55500 | | | 57300 | | |
| MANGANESE | 0 20U | U | | 7 3B | | | 8 2B | | | 54 3 | | | 0 20U | U | | 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 | 1 1U | U | | 1 1U | U | | 1 1U | U | | 2 8B | | | 1 1U | U | | 1 1U | U | | 1 1U | U | |
| POTASSIUM | 2880B | | | 4480B | | | 4480B | | | 6470 | | | 7780 | | | 5590 | | | 5280 | | |
| SELENIUM | 5 9 | | | 4 9B | | | 3 6U | U | | 3 6U | U | | 25 8 | | | 52 0 | | | 5 0B | | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | |
| SODIUM | 80300 | | | 79100 | | | 78800 | | | 203000 | | | 223000 | | | 166000 | | | 121000 | | |
| THALLIUM | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | |
| VANADIUM | 4 7B | | | 4 7B | | | 4 4B | | | 5 4B | | | 3 6B | | | 2 5B | | | 3 0B | | |
| ZINC | 1 4U | U | | 5 8B | U | | 5 9B | U | | 2 4B | U | | 1 6B | U | | 1 4U | U | | 1 4U | U | |
| 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 31445 SDG No MY0TE9
Site OMEGA RECOVERY SERV
Lab SENTINEL, INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Concentration Water Samples For Total Metals

| Station Location | GW103-MW08C-0087 | | | GW103-MW08D-0116 | | | GW103-MW09A-0032 | | | GW103-MW09B-0054 | | | GW103-MW10A-0057 | | | GW103-MW11A-0045 | | | GW103-OW5-0048 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TG9 | | | MY0TH1 | | | MY0TH3 | | | MY0TH5 | | | MY0TH7 | | | MY0TH9 | | | MY0TK3 | | |
| Collection Date | 02/25/2003 | | | 02/25/2003 | | | 02/26/2003 | | | 02/26/2003 | | | 02/24/2003 | | | 02/24/2003 | | | 02/21/2003 | | |
| 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 | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | U | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | |
| BARIUM | 25 7B | | | 98 6B | | | 30 1B | | | 29 9B | | | 30 6B | | | 24 4B | | | 61 2B | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | |
| CALCIUM | 208000 | | | 155000 | | | 207000 | | | 221000 | | | 218000 | | | 249000 | | | 143000 | | |
| CHROMIUM | 4 9B | | | 0 60U | U | | 0 69B | | | 6 8B | | | 6 2B | | | 0 61B | | | 19 8 | | |
| COBALT | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | |
| COPPER | 0 60U | U | | 0 60U | U | | 1 6B | | | 0 97B | | | 0 82B | | | 0 60U | U | | 0 60U | U | |
| IRON | 39 8B | | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | |
| MAGNESIUM | 54200 | | | 42900 | | | 56300 | | | 52800 | | | 62200 | | | 69500 | | | 42400 | | |
| MANGANESE | 49 2 | | | 329 | | | 350 | | | 0 20U | U | | 0 20U | U | | 0 20U | U | | 4 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 1U | U | | 1 1U | U | | 1 1U | U | | 1 1U | U | | 1 1B | | | 1 1U | U | | 61 1 | | |
| POTASSIUM | 5270 | | | 4330B | | | 7680 | | | 5900 | | | 6720 | | | 6150 | | | 3000B | | |
| SELENIUM | 8 3 | | | 25 4 | | | 6 4 | | | 5 4 | | | 15 2 | | | 22 1 | | | 4 4B | | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | |
| SODIUM | 125000 | | | 72400 | | | 163000 | | | 128000 | | | 178000 | | | 173000 | | | 98900 | | |
| THALLIUM | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | |
| VANADIUM | 2 3B | | | 2 2B | | | 2 0B | | | 2 9B | | | 3 3B | | | 2 3B | | | 5 2B | | |
| ZINC | 2 2B | U | | 2 4B | U | | 14 4B | | | 1 4U | U | | 2 1B | U | | 1 4U | U | | 2 1B | U | |
| 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 31445 SDG No MY0TE9
Site OMEGA RECOVERY SERV
Lab SENTINEL INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type** Low Concentration Water Samples For Total Metals

| Station Location | GW103-OW5 1048 | | | GW103 OW6-0048 | | | GW103-OW7-0081 | | | Lab Blank | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TK5 | | | MY0TK7 | | | MY0TK9 | | | PBW | | | IDL | | | CRDL | | | | | |
| Collection Date | 02/21/2003 | | | 02/21/2003 | | | 02/21/2003 | | | | | | | | | | | | | | |
| Dilution Factor | 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 | 57 1U | U | | 57 1U | U | | 57 1U | U | | 57 1U | | | 57 0 | | | 200 | | | | | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | -4 40000B | | | 2 3 | | | 60 0 | | | | | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | | | 4 8 | | | 10 0 | | | | | |
| BARIUM | 59 9B | | | 29 5B | | | 19 6B | | | 0 60U | | | 0 60 | | | 200 | | | | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | | | 0 10 | | | 5 0 | | | | | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | | | 0 30 | | | 5 0 | | | | | |
| CALCIUM | 141000 | | | 215000 | | | 188000 | | | 63 5U | | | 64 0 | | | 5000 | | | | | |
| CHROMIUM | 19 9 | | | 1 9B | | | 5 4B | | | 0 60U | | | 0 60 | | | 10 0 | | | | | |
| COBALT | 1 0U | U | | 1 0U | U | | 1 2B | | | 1 0U | | | 1 0 | | | 50 0 | | | | | |
| COPPER | 0 60U | U | | 0 60U | U | | 0 60U | U | | -0 76000B | | | 0 60 | | | 25 0 | | | | | |
| IRON | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | | | 19 0 | | | 100 | | | | | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | | | 2.2 | | | 3 0 | | | | | |
| MAGNESIUM | 41600 | | | 66000 | | | 63000 | | | 21 8U | | | 22 0 | | | 5000 | | | | | |
| MANGANESE | 5 1B | | | 0 20U | U | | 0 26B | | | -0 24000B | | | 0 20 | | | 15 0 | | | | | |
| MERCURY | 0 10U | U | | 0 22 | | | 0 10U | U | | 0 10U | | | 0 10 | | | 0 20 | | | | | |
| NICKEL | 64 6 | | | 1 1U | U | | 1 1U | U | | -1 40000B | | | 1 1 | | | 40 0 | | | | | |
| POTASSIUM | 2930B | | | 3520B | | | 2180B | | | 22 0U | | | 22 0 | | | 5000 | | | | | |
| SELENIUM | 3 6U | U | | 4 5B | | | 7 4 | | | 3 6U | | | 3 6 | | | 5 0 | | | | | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | | | 0 60 | | | 10 0 | | | | | |
| SODIUM | 97200 | | | 130000 | | | 71000 | | | 200U | | | 200 | | | 5000 | | | | | |
| THALLIUM | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | | | 4 7 | | | 10 0 | | | | | |
| VANADIUM | 5 2B | | | 4 6B | | | 5 6B | | | 0 50U | | | 0 50 | | | 50 0 | | | | | |
| ZINC | 1 4U | U | | 1 4U | U | | 1 4U | U | | 1 4U | | | 1 4 | | | 20 0 | | | | | |
| CYANIDE | NA | | | NA | | | NA | | | NA | | | NA | | | 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 31445 SDG No MY0TF0
Site OMEGA RECOVERY SERV
Lab SENTINEL INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

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

| Station Location | GW103-MW04A-0047 | | | GW103-MW04A-1047 | | | GW103-MW04B-0075 | | | GW103-MW04C-0094 | | | GW103-OW1A-0080 | | | GW103-OW1B-0116 | | | GW103-OW2-0078 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TF0 | | | MY0TF2 | | | MY0TF4 | | | MY0TF6 | | | MY0TJ0 | | | MY0TJ2 | | | MY0TJ4 | | |
| Collection Date | 02/18/2003 | | | 02/18/2003 | | | 02/18/2003 | | | 02/18/2003 | | | 02/19/2003 | | | 02/19/2003 | | | 02/19/2003 | | |
| 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 | 64 4B | | | 33 6B | | | 831 | | | 275 | | | 942 | | | 1340 | | | 93 0B | | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 4 8U | U | | 5 5B | | | 4 8U | U | | 4 8U | U | | 4 8U | U | |
| BARIUM | 39 1B | | | 39 3B | | | 59 0B | | | 51 5B | | | 65 8B | | | 39 5B | | | 39 3B | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | |
| CALCIUM | 144000 | | | 145000 | | | 177000 | | | 159000 | | | 188000 | | | 96800 | | | 144000 | | |
| CHROMIUM | 42 7 | | | 42 8 | | | 29 8 | | | 19 8 | | | 5 1B | | | 3 4B | | | 3 5B | | |
| COBALT | 1 0U | U | | 1 0U | U | | 1 3B | | | 1 1B | | | 4 9B | | | 1 6B | | | 1 0U | U | |
| COPPER | 1 2B | | | 1 1B | | | 2 9B | | | 1 8B | | | 2 2B | | | 5 2B | | | 1 1B | U | |
| IRON | 29 0B | U | | 19 5B | U | | 1090 | | | 315 | | | 5660 | | | 11500 | | | 89 5B | U | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | |
| MAGNESIUM | 41900 | | | 42300 | | | 47600 | | | 44900 | | | 46700 | | | 52800 | | | 54100 | | |
| MANGANESE | 0 61B | | | 0 70B | | | 45 0 | | | 9 9B | | | 734 | | | 449 | | | 0 98B | | |
| MERCURY | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| NICKEL | 1 1U | U | | 1 5B | U | | 1 1U | U | | 1 6B | U | | 26 5B | | | 5 2B | U | | 2 0B | | |
| POTASSIUM | 3030B | | | 3040B | | | 4450B | | | 4760B | | | 3920B | | | 3920B | | | 2520B | | |
| SELENIUM | 8.6 | | | 6 9 | | | 4 8U | U | | 5 7 | | | 4 8U | U | | 5 4 | | | 8 1 | | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | |
| SODIUM | 139000 | | | 139000 | | | 97200 | | | 98300 | | | 120000 | | | 112000 | | | 74000 | | |
| THALLIUM | 7 3B | U | | 4 7U | U | | 6 5B | U | | 5 9B | U | | 4 9B | U | | 6 9B | U | | 8 5B | U | |
| VANADIUM | 4 3B | | | 4.4B | | | 6 2B | | | 5 3B | | | 9 4B | | | 5 6B | | | 5 6B | | |
| ZINC | 1 4U | U | | 1 4U | U | | 3 7B | | | 2 5B | | | 7 6B | | | 49 2 | | | 1 4U | U | |
| CYANIDE | 1 6U | U | | 1 6B | | | 1 9B | | | 2 4B | | | 1 9B | | | 1 6U | U | | 2 0B | | |

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 31445 SDG No MY0TF0
Site OMEGA RECOVERY SERV
Lab SENTINEL INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

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

| Station Location | GW103-OW3-0080 | | | GW103-OW4A-0073 | | | GW103-OW4B-0125 | | | GW103-OW8-0075 | | | Lab Blank | | | IDL | | | CRDL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TJ6 | | | MY0TJ8 | | | MY0TK0 | | | MY0TL0 | | | PBW | | | | | | | | |
| Collection Date | 02/20/2003 | | | 02/20/2003 | | | 02/20/2003 | | | 02/20/2003 | | | | | | | | | | | |
| Dilution Factor | 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 | 1290 | | | 79 7B | | | 49 3B | | | 126B | | | 21 4U | | | 21 0 | | | 200 | | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 9B | | | 2 3 | | | 60 0 | | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 4 8B | | | 4 8U | U | | 4 8U | | | 4 8 | | | 10 0 | | |
| BARIUM | 39 1B | | | 39 0B | | | 23 0B | | | 40 0B | | | 0 60U | | | 0 60 | | | 200 | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | | | 0 10 | | | 5 0 | | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | | | 0 30 | | | 5 0 | | |
| CALCIUM | 182000 | | | 153000 | | | 100000 | | | 191000 | | | 63 5U | | | 64 0 | | | 5000 | | |
| CHROMIUM | 16 8 | | | 10 6 | | | 3 6B | | | 2 5B | | | 0 60U | | | 0 60 | | | 10 0 | | |
| COBALT | 1 7B | | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | | | 1 0 | | | 50 0 | | |
| COPPER | 18 2B | | | 1 2B | U | | 1 7B | | | 0 93B | U | | 0 60U | | | 0 60 | | | 25 0 | | |
| IRON | 10400 | | | 21 6B | U | | 307 | | | 561 | | | 18 7U | | | 19 0 | | | 100 | | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | | | 2 2 | | | 3 0 | | |
| MAGNESIUM | 60100 | | | 47200 | | | 59800 | | | 67100 | | | 30 0B | | | 22 0 | | | 5000 | | |
| MANGANESE | 45 9 | | | 1 4B | | | 5 5B | | | 706 | | | 0 20U | | | 0 20 | | | 15 0 | | |
| MERCURY | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | | | 0 10 | | | 0 20 | | |
| NICKEL | 11 0B | | | 1 7B | | | 1 4B | U | | 2 1B | | | 1 1U | | | 1 1 | | | 40 0 | | |
| POTASSIUM | 3060B | | | 3120B | | | 3030B | | | 2640B | | | 22 0U | | | 22 0 | | | 5000 | | |
| SELENIUM | 7 6 | | | 4 8U | U | | 6 6 | | | 6 0 | | | 4 8U | | | 4 8 | | | 5 0 | | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | | | 0 60 | | | 10 0 | | |
| SODIUM | 75900 | | | 106000 | | | 128000 | | | 88000 | | | 200U | | | 200 | | | 5000 | | |
| THALLIUM | 7 2B | U | | 7 1B | U | | 5 2B | U | | 7 2B | U | | 8 1B | | | 4 7 | | | 10 0 | | |
| VANADIUM | 11 2B | | | 4 5B | | | 6 8B | | | 4 3B | | | 0 50U | | | 0 50 | | | 50 0 | | |
| ZINC | 9 2B | | | 1 4U | U | | 7 8B | | | 1 4U | U | | 1 4U | | | 1 4 | | | 20 0 | | |
| CYANIDE | 1 6U | U | | 1 6U | U | | 1 6U | U | | 5 4B | | | 1 6U | | | 1 6 | | | 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 31445 SDG No MY0TF1
Site OMEGA RECOVERY SERV
Lab SENTINEL INC
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type . Low Concentration Water Samples For ~~Total~~ Diss. Metals

| Station Location | GW103-MW04A-0047 | | | GW103-MW04A-1047 | | | GW103-MW04B-0075 | | | GW103-MW04C-0094 | | | GW103-OW1A-0080 | | | GW103-OW1B-0116 | | | GW103-OW2-0078 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TF1 | | | MY0TF3 | | | MY0TF5 | | | MY0TF7 | | | MY0TJ1 | | | MY0TJ3 | | | MY0TJ5 | | |
| Collection Date | 02/18/2003 | | | 02/18/2003 | | | 02/18/2003 | | | 02/18/2003 | | | 02/19/2003 | | | 02/19/2003 | | | 02/19/2003 | | |
| 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 | 52 0B | | | 40 4B | | | 66 1B | | | 39 8B | | | 26 0B | | | 82 7B | | | 84 0B | | |
| ANTIMONY | 3 3B | | | 2 4B | | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 5 0B | | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | |
| BARIUM | 39 2B | | | 39 5B | | | 52 0B | | | 48 4B | | | 51 2B | | | 307 | | | 39 3B | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | |
| CALCIUM | 146000 | | | 148000 | | | 178000 | | | 161000 | | | 170000 | | | 94700 | | | 145000 | | |
| CHROMIUM | 43 5 | | | 44 0 | | | 28 5 | | | 20 0 | | | 0 60U | U | | 0 60U | U | | 3 6B | | |
| COBALT | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 3 5B | U | | 1 0U | U | | 1 0U | U | |
| COPPER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 72B | | |
| IRON | 18 7U | U | | 18 7U | U | | 18 7U | U | | 18 7U | U | | 501 | | | 349 | | | 18 7U | U | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | |
| MAGNESIUM | 42600 | | | 43000 | | | 47500 | | | 45100 | | | 45100 | | | 51100 | | | 54100 | | |
| MANGANESE | 0 20U | U | | 0 20U | U | | 0 27B | | | 0 20U | U | | 618 | | | 278 | | | 5 1B | | |
| MERCURY | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | |
| NICKEL | 1 1U | U | | 1 1U | U | | 1 1U | U | | 1 1U | U | | 19 0B | | | 1 3B | | | 1 1U | U | |
| POTASSIUM | 3130B | | | 3130B | | | 4290B | | | 4670B | | | 3580B | | | 3540B | | | 2540B | | |
| SELENIUM | 9 6 | | | 10 3 | | | 9 4 | | | 7 5 | | | 6 4 | | | 7 7 | | | 7 4 | | |
| SILVER | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | | 0 60U | U | |
| SODIUM | 142000 | | | 143000 | | | 97800 | | | 97400 | | | 118000 | | | 111000 | | | 73800 | | |
| THALLIUM | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | |
| VANADIUM | 4 3B | | | 4 2B | | | 4 3B | | | 4 5B | | | 5 3B | | | 0 52B | | | 5 5B | | |
| ZINC | 1 4U | U | | 1 4U | U | | 1 4U | U | | 1 4U | U | | 6 8B | | | 102 | | | 5 1B | | |
| 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 31445 SDG No MY0TF1
Site OMEGA RECOVERY SERV
Lab SENTINEL INC
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type** · Low Concentration Water Samples For ~~Total~~ Dissolved Metals

| Station Location | GW103-OW3-0080 | | | GW103-OW4A-0073 | | | GW103-OW4B-0125 | | | GW103-OW8-0075 | | | Lab Blank | | | IDL | | | CRDL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | MY0TJ7 | | | MY0TJ9 | | | MY0TK1 | | | MY0TL1 | | | PBW | | | | | | | | |
| Collection Date | 02/20/2003 | | | 02/20/2003 | | | 02/20/2003 | | | 02/20/2003 | | | | | | | | | | | |
| Dilution Factor | 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 | 80 5B | | | 54 8B | | | 52 9B | | | 55 5B | | | -57 00000B | | | 21 0 | | | 200 | | |
| ANTIMONY | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | U | | 2 3U | | | 2 3 | | | 60 0 | | |
| ARSENIC | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | U | | 4 8U | | | 4 8 | | | 10 0 | | |
| BARIUM | 22 7B | | | 38 8B | | | 22 1B | | | 39 4B | | | 0 60U | | | 0 60 | | | 200 | | |
| BERYLLIUM | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | | | 0 10 | | | 5 0 | | |
| CADMIUM | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | U | | 0 30U | | | 0 30 | | | 5 0 | | |
| CALCIUM | 185000 | | | 152000 | | | 97400 | | | 192000 | | | 63 5U | | | 64 0 | | | 5000 | | |
| CHROMIUM | 5 2B | | | 10 5 | | | 3 7B | | | 2 4B | | | 0 60U | | | 0 60 | | | 10 0 | | |
| COBALT | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 0U | U | | 1 1B | | | 1 0 | | | 50 0 | | |
| COPPER | 0 60U | U | | 1 1B | | | 0 83B | | | 0 60U | U | | 0 60U | | | 0 60 | | | 25 0 | | |
| IRON | 148 | | | 18 7U | U | | 34 7B | | | 488 | | | 18 7U | | | 19 0 | | | 100 | | |
| LEAD | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 2U | U | | 2 5B | | | 2 2 | | | 3 0 | | |
| MAGNESIUM | 60300 | | | 46600 | | | 58800 | | | 67500 | | | 21 8U | | | 22 0 | | | 5000 | | |
| MANGANESE | 5 0B | | | 2 6B | | | 3 9B | | | 732 | | | 0 20U | | | 0 20 | | | 15 0 | | |
| MERCURY | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | U | | 0 10U | | | 0 10 | | | 0 20 | | |
| NICKEL | 2 0B | | | 1 2B | | | 1 1U | U | | 1 1U | U | | 1 1U | | | 1 1 | | | 40 0 | | |
| POTASSIUM | 2670B | | | 3100B | | | 3000B | | | 2620B | | | 22 0U | | | 22 0 | | | 5000 | | |
| SELENIUM | 8 3 | | | 4 8U | U | | 11 0 | | | 7 2 | | | 4 8U | | | 4 8 | | | 5 0 | | |
| SILVER | 0 60U | U | | 0 70B | U | | 0 60U | U | | 0 60U | U | | 0 95B | | | 0 60 | | | 10 0 | | |
| SODIUM | 75700 | | | 104000 | | | 125000 | | | 88800 | | | 200U | | | 200 | | | 5000 | | |
| THALLIUM | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | U | | 4 7U | | | 4 7 | | | 10 0 | | |
| VANADIUM | 4 9B | | | 4 5B | | | 6 2B | | | 3 9B | | | 0 50U | | | 0 50 | | | 50 0 | | |
| ZINC | 1 4U | U | | 4 0B | | | 1 4U | U | | 1 5B | | | 1 4U | | | 1 4 | | | 20 0 | | |
| CYANIDE | NA | | | NA | | | NA | | | NA | | | NA | | | NA | | | 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

# EPA Region 9 Laboratory - Richmond, CA
## SUMMARY OF ANALYTICAL RESULTS

**Site:** Omega Chemical
**Case:** R03S34
**SDG:** 03050A
**Date:** 03/18/03
**Analysis:** Chloride, Sulfate, Alkalinity, Sulfide, Nitrate + Nitrite Nitrogen, Total Organic Carbon, and Perchlorate
**Matrix:** Water

| Sample No. | | | GW103-MW04A-0047 | | | GW103-MW04A-1047 | | | GW103-MW04B-0075 | | | GW103-MW04C-0094 | | | GW103-OW1A-0080 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39012 | | | AB39013 | | | AB39014 | | | AB39015 | | | AB39038 | | |
| Collection Date | | | 02/18/03 | | | 02/18/03 | | | 02/18/03 | | | 02/18/03 | | | 02/19/03 | | |
| Units | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Chloride | 16887-00-6 | 300.0 | 82 | | | 81 | | | 90 | | | 77 | | | 130 | | |
| Sulfate | 14808-79-8 | 300.0 | 240 | | | 240 | | | 270 | | | 250 | | | 140 | | |
| Carbonate Alkalinity | | SM2320 | 10 | U | | 10 | U | | 10 | U | | 10 | U | | 10 | U | |
| Bicarbonate Alkalinity | | SM2320 | 400 | | | 400 | | | 390 | | | 380 | | | 530 | | |
| Total Alkalinity | | SM2320 | 400 | | | 400 | | | 390 | | | 380 | | | 530 | | |
| Sulfide | 18496-25-9 | 376.1 | 1 | U | | 1 | U | | 1 | U | | 1 | U | | 1 | U | |
| Total Organic Carbon | | 415.1 | 4 | | | 4 | | | 9 | | | 5 | | | 7 | | |
| Nitrate-N+Nitrite-N | | 353.2 | 18 | | | 25 | | | 10 | | | 13 | | | 14 | | |

| Sample No. | | | GW103-MW04A-0047 | | | GW103-MW04A-1047 | | | GW103-MW04B-0075 | | | GW103-MW04C-0094 | | | GW103-OW1A-0080 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39012 | | | AB39013 | | | AB39014 | | | AB39015 | | | AB39038 | | |
| Collection Date | | | 02/18/03 | | | 02/18/03 | | | 02/18/03 | | | 02/18/03 | | | 02/19/03 | | |
| Units | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Perchlorate | | 314.0 | 3 | | | 4 | | | 5 | | | 4 | | | 7 | | |

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N/A - Not Applicable.
N/R - Not Required.
Q - Refer to data qualifiers.
quantitation limit, adjusted for dilution.
J - The associated value is an estimated quantity.

# EPA Region 9 Laboratory - Richmond, CA
## SUMMARY OF ANALYTICAL RESULTS

| | |
|---|---|
| Site: | Omega Chemical |
| Case: | R03S34 |
| SDG. | 03050A |
| Date. | 03/18/03 |
| Analysis: | Chloride, Sulfate, Alkalinity, Sulfide, Nitrate + Nitrite Nitrogen, Total Organic Carbon, and Perchlorate |
| Matrix: | Water |

| Sample No. | | | GW103-OW1B-0116 | | | GW103-OW2-0078 | | | GW103-OW8-0075 | | | GW103-OW3-0080 | | | GW103-OW4A-0073 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39039 | | | AB39040 | | | AB39041 | | | AB39042 | | | AB39043 | | |
| Collection Date | | | 02/19/03 | | | 02/19/03 | | | 02/20/03 | | | 02/20/03 | | | 02/20/03 | | |
| Units | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Chloride | 16887-00-6 | 300 0 | 58 | | | 66 | | | 120 | | | 56 | | | 67 | | |
| Sulfate | 14808-79-8 | 300.0 | 330 | | | 240 | | | 300 | | | 390 | | | 170 | | |
| Carbonate Alkalinity | | SM2320 | 10 U | | | 10 U | | | 10 U | | | 10 U | | | 10 U | | |
| Bicarbonate Alkalinity | | SM2320 | 230 | | | 360 | | | 390 | | | 340 | | | 480 | | |
| Total Alkalinity | | SM2320 | 230 | | | 360 | | | 390 | | | 340 | | | 480 | | |
| Sulfide | 18926-25-9 | 376.1 | 1 U | | | 1 U | | | 1 U | | | 1 U | | | 1 U | | |
| Total Organic Carbon | | 415.1 | 3 | | | 4 | | | 22 | | | 75 | | | 4 | | |
| Nitrate-N+Nitrite-N | | 353.2 | 5 | | | 13 | | | 8 | | | 9 | | | 18 | | |

| Sample No. | | | GW103-OW1B-0116 | | | GW103-OW2-0078 | | | GW103-OW8-0075 | | | GW103-OW3-0080 | | | GW103-OW4A-0073 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39039 | | | AB39040 | | | AB39041 | | | AB39042 | | | AB39043 | | |
| Collection Date | | | 02/19/03 | | | 02/19/03 | | | 02/20/03 | | | 02/20/03 | | | 02/20/03 | | |
| Units | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Perchlorate | | 314.0 | 2 | | | 4 | | | 3 | | | 3 | | | 2 | | |

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N/R - Not Required.
Q - Refer to data qualifiers.
quantitation limit, adjusted for dilution.
J - The associated value is an estimated quantity.

EPA Region 9 Laboratory - Richmond, CA
SUMMARY OF ANALYTICAL RESULTS

**Site:** Omega Chemical
**Case:** R03S34
**SDG:** 03050A
**Date:** 03/18/03
**Analysis:** Chloride, Sulfate, Alkalinity, Sulfide, Nitrate + Nitrite Nitrogen, Total Organic Carbon, and Perchlorate
**Matrix:** Water

| Sample No. | | | GW103-OW4B-0125 | | | GW103-OW5-0048 | | | GW103-OW5-1048 | | | GW103-OW6-0048 | | | GW103-OW7-0081 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39044 | | | AB39056 | | | AB39057 | | | AB39058 | | | AB39059 | | |
| Collection Date | | | 02/20/03 | | | 02/21/03 | | | 02/21/03 | | | 02/21/03 | | | 02/21/03 | | |
| Units | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Chloride | 16887-00-6 | 300.0 | 96 | | | 74 | | | 73 | | | 72 | | | 50 | | |
| Sulfate | 14808-79-8 | 300.0 | 310 | | | 160 | | | 160 | | | 400 | | | 380 | | |
| Carbonate Alkalinity | | SM2320 | 10 | U | | 10 | U | | 10 | U | | 10 | U | | 10 | U | |
| Bicarbonate Alkalinity | | SM2320 | 260 | | | 400 | | | 400 | | | 520 | | | 360 | | |
| Total Alkalinity | | SM2320 | 260 | | | 400 | | | 400 | | | 520 | | | 360 | | |
| Sulfide | 18926-25-9 | 376.1 | 1 | U | | 1 | U | | 1 | U | | 1 | U | | 1 | U | |
| Total Organic Carbon | | 415.1 | 6 | | | 3 | | | 2 | | | 2 | | | 1 | J | A |
| Nitrate-N+Nitrite-N | | 353.2 | 8 | | | 19 | | | 21 | | | 4 | | | 14 | | |

| Sample No. | | | GW103-OW4B-0125 | | | GW103-OW5-0048 | | | GW103-OW5-1048 | | | GW103-OW6-0048 | | | GW103-OW7-0081 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39044 | | | AB39056 | | | AB39057 | | | AB39058 | | | AB39059 | | |
| Collection Date | | | 02/20/03 | | | 02/21/03 | | | 02/21/03 | | | 02/21/03 | | | 02/21/03 | | |
| Units | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Perchlorate | | 314.0 | 3 | | | 4 | | | 4 | | | 2 | U | | 3 | | |

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N/R - Not Required.
Q - Refer to data qualifiers.
quantitation limit, adjusted for dilution.
J - The associated value is an estimated quantity.

# EPA Region 9 Laboratory - Richmond, CA
## SUMMARY OF ANALYTICAL RESULTS

| | |
|---|---|
| Site | Omega Chemical |
| Case | R03S34 |
| SDG | 03050A |
| Date | 03/18/03 |
| Analysis | Chloride, Sulfate, Alkalinity, Sulfide, Nitrate + Nitrite Nitrogen, Total Organic Carbon, and Perchlorate |
| Matrix | Water |

| Sample No | | | GW103-MW03A-0042 | | | GW103-MW07A-0041 | | | GW103-MW10A-0057 | | | GW103-MW11A-0045 | | | GW103-MW08A 0040 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D | | | AB39072 | | | AB39073 | | | AB39074 | | | AB39075 | | | AB39124 | | |
| Collection Date | | | 02/24/03 | | | 02/24/03 | | | 02/24/03 | | | 02/24/03 | | | 02/25/03 | | |
| Units | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Chloride | 16887-00-6 | 300 0 | 120 | | | 120 | | | 78 | | | 92 | | | 130 | | |
| Sulfate | 14808-79-8 | 300.0 | 210 | | | 830 | | | 610 | | | 640 | | | 320 | | |
| Carbonate Alkalinity | | SM2320 | 10 U | | | 10 U | | | 10 U | | | 10 U | | | 10 U | | |
| Bicarbonate Alkalinity | | SM2320 | 510 | | | 470 | | | 340 | | | 410 | | | 520 | | |
| Total Alkalinity | | SM2320 | 510 | | | 470 | | | 340 | | | 410 | | | 520 | | |
| Sulfide | 18926-25-9 | 376.1 | 1 U | | | 1 U | | | 1 U | | | 1 U | | | 1 U | | |
| Total Organic Carbon | | 415 1 | 1 | J | A | 1 | J | A | 2 U | | | 2 U | | | 5 | | |
| Nitrate-N+Nitrite-N | | 353.2 | 6 | | | 16 | | | 12 | | | 10 | | | 22 | | |

| Sample No | | | GW103-MW03A-0042 | | | GW103-MW07A-0041 | | | GW103-MW10A-0057 | | | GW103-MW11A-0045 | | | GW103-MW08A-0040 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D | | | AB39072 | | | AB39073 | | | AB39074 | | | AB39075 | | | AB39124 | | |
| Collection Date | | | 02/24/03 | | | 02/24/03 | | | 02/24/03 | | | 02/24/03 | | | 02/25/03 | | |
| Units | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Perchlorate | | 314.0 | 2 | | | 7 | | | 4 | | | 5 | | | 4 | | |

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N/A - Not Applicable
N/R - Not Required
Q Refer to data qualifiers
quantitation limit, adjusted for dilution
J - The associated value is an estimated quantity

# EPA Region 9 Laboratory - Richmond, CA
## SUMMARY OF ANALYTICAL RESULTS

| | |
|---|---|
| Site: | Omega Chemical |
| Case: | R03S34 |
| SDG: | 03050A |
| Date: | 03/18/03 |
| Analysis: | Chloride, Sulfate, Alkalinity, Sulfide, Nitrate + Nitrite Nitrogen, Total Organic Carbon, and Perchlorate |
| Matrix: | Water |

| Sample No. | | | Reagent Blank | | | | 2/21/2003 Reagent Blank Filtered | | | | 2/22/03,3/04/03 3/05/03,3/10/03 Reagent Blank | | | | 2/26/03,3/03/03 3/5/2003 Reagent Blank | | | | Method QL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | | | | | | | | | | | | | | | | | |
| Collection Date | | | N/A | | | | | | | | | | | | | | | | |
| Units | | | mg/L | | | | mg/L | | | | mg/L | | | | mg/L | | | | mg/L |
| Analyte | CAS # | EPA Method | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | QL |
| Chloride | 16887-00-6 | 300.0 | 1 | U | | | 1 | U | | | 1 | U | | | 1 | U | | | 1 |
| ~~Sulfate~~ | ~~14808-79-8~~ | ~~300.0~~ | ~~0.5~~ | ~~U~~ | | | ~~0.5~~ | ~~U~~ | | | ~~0.5~~ | ~~U~~ | | | ~~0.5~~ | ~~U~~ | | | ~~0.5~~ |
| Carbonate Alkalinity | | SM2320 | 10 | U | | | N/A | | | | 10 | U | | | 10 | U | | | 10 |
| ~~Bicarbonate Alkalinity~~ | | ~~SM2320~~ | ~~10~~ | ~~U~~ | | | ~~N/A~~ | | | | ~~10~~ | ~~U~~ | | | ~~10~~ | ~~U~~ | | | ~~10~~ |
| Total Alkalinity | | SM2320 | 10 | U | | | N/A | | | | 10 | U | | | 10 | U | | | 10 |
| ~~Sulfide~~ | ~~18926-25-9~~ | ~~376.1~~ | ~~1~~ | ~~U~~ | | | ~~N/A~~ | | | | ~~1~~ | ~~U~~ | | | ~~N/A~~ | | | | ~~1~~ |
| Total Organic Carbon | | 415.1 | 2 | U | | | N/A | | | | 2 | U | | | N/A | | | | 2 |
| ~~Nitrate-N+Nitrite-N~~ | | ~~353.2~~ | ~~0.3~~ | ~~U~~ | | | ~~N/A~~ | | | | ~~0.3~~ | ~~U~~ | | | ~~N/A~~ | | | | ~~0.3~~ |

| Sample No. | | | N/A | | | | 3/5/2003 Ragent Blank Filtered | | | | 3/6/2003 Reagent Blank | | | | Method QL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | Reagent Blank | | | | | | | | | | | | |
| Collection Date | | | N/A | | | | | | | | N/A | | | | |
| Units | | | ug/L | | | | ug/L | | | | ug/L | | | | ug/L |
| Analyte | CAS # | EPA Method | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | QL |
| ~~Perchlorate~~ | | ~~314.0~~ | ~~2~~ | ~~U~~ | | | ~~2~~ | ~~U~~ | | | ~~2~~ | ~~U~~ | | | ~~2~~ |

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N/R - Not Required.
Q - Refer to data qualifiers.
quantitation limit, adjusted for dilution.
J - The associated value is an estimated quantity.

EPA Region 9 Laboratory - Richmond, CA
SUMMARY OF ANALYTICAL RESULTS

| | |
|---|---|
| Site: | Omega Chemical |
| Case: | R03S34 |
| SDG. | 03057A |
| Date. | 03/24/03 |
| Analysis. | Chloride, Sulfate, Alkalinity, Sulfide, Nitrate + Nitrite Nitrogen, Total Organic Carbon, and Perchlorate |
| Matrix: | Water |

| Sample No. | | | GW103-MW08B-0070 | | | GW103-MW08C-0087 | | | GW103-MW08D-0116 | | | GW103-MW01A-0055 | | | GW103-MW01B-0080 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39125 | | | AB39126 | | | AB39127 | | | AB39181 | | | AB39182 | | |
| Collection Date | | | 02/25/03 | | | 02/25/03 | | | 02/25/03 | | | 02/26/03 | | | 02/26/03 | | |
| Units | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Chloride | 16887-00-6 | 300 0 | 120 | | | 99 | | | 71 | | | 70 | | | 62 | | |
| Sulfate | 14808-79-8 | 300.0 | 440 | | | 428 | | | 320 | | | 170 | | | 160 | | |
| Carbonate Alkalinity | | SM2320 | 10 | U | | 10 | U | | 10 | U | | 10 | U | | 10 | U | |
| Bicarbonate Alkalinity | | SM2320 | 380 | | | 380 | | | 260 | | | 350 | | | 340 | | |
| Total Alkalinity | | SM2320 | 380 | | | 380 | | | 260 | | | 350 | | | 340 | | |
| Sulfide | 18926-25-9 | 376 1 | 1 | U | | 1 | U | | 1 | U | | 1 | U | | 1 | U | |
| Total Organic Carbon | | 415.1 | 4 | | | 2 | U | | 1 | | J | A | 2 | | | 2 | U | |
| Nitrate-N+Nitrite-N | | 353.2 | 16 | | | 15 | | | 10 | | | | 8 | | | 13 | | |

| Sample No. | | | GW103-MW08B-0070 | | | GW103-MW08C-0087 | | | GW103-MW08D-0116 | | | GW103-MW01A-0055 | | | GW103-MW01B-0080 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39125 | | | AB39126 | | | AB39127 | | | AB39181 | | | AB39182 | | |
| Collection Date | | | 02/25/03 | | | 02/25/03 | | | 02/25/03 | | | 02/26/03 | | | 02/26/03 | | |
| Units | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Perchlorate | | 314.0 | 5 | | | 4 | | | 3 | | | 4 | | | 3 | | |

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Q - Refer to data qualifiers
U - Parameter analyzed, but not detected, associated value is
J - The associated value is an estimated quantity

## EPA Region 9 Laboratory - Richmond, CA
## SUMMARY OF ANALYTICAL RESULTS

**Site:** Omega Chemical
**Case:** R03S34
**SDG:** 03057A
**Date.** 03/24/03
**Analysis:** Chloride, Sulfate, Alkalinity, Sulfide, Nitrate + Nitrite Nitrogen, Total Organic Carbon, and Perchlorate
**Matrix:** Water

| Sample No. | | | GW103-MW01B-1080 | | | GW103-MW09A-0032 | | | GW103-MW09B-0054 | | | GW103-MW02A-0055 | | | GW103-MW05A-0049 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39183 | | | AB39184 | | | AB39185 | | | AB39248 | | | AB39249 | | |
| Collection Date | | | 02/26/03 | | | 02/26/03 | | | 02/26/03 | | | 03/03/03 | | | 03/03/03 | | |
| Units | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Chloride | 16887-00-6 | 300 0 | 62 | | | 120 | | | 100 | | | 97 | | | 110 | | |
| Sulfate | 14808-79-8 | 300.0 | 160 | | | 400 | | | 450 | | | 230 | | | 190 | | |
| Carbonate Alkalinity | | SM2320 | 10 | U | | 10 | U | | 10 | U | | 10 | U | | 10 | U | |
| Bicarbonate Alkalinity | | SM2320 | 340 | | | 510 | | | 400 | | | 420 | | | 420 | | |
| Total Alkalinity | | SM2320 | 340 | | | 510 | | | 400 | | | 420 | | | 420 | | |
| Sulfide | 18926-25-9 | 376 1 | 1 | U | | 1 | U | | 1 | U | | 1 | U | | 1 | U | |
| Total Organic Carbon | | 415.1 | 2 | U | | 2 | U | | 2 | U | | 2 | U | | 2 | U | |
| Nitrate-N+Nitrite-N | | 353 2 | 13 | | | 3 | | | 23 | | | 15 | | | 29 | | |

| Sample No. | | | GW103-MW01B-1080 | | | GW103-MW09A-0032 | | | GW103-MW09B-0054 | | | GW103-MW02A-0055 | | | GW103-MW05A-0049 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39183 | | | AB39184 | | | AB39185 | | | AB39248 | | | AB39249 | | |
| Collection Date | | | 02/26/03 | | | 02/26/03 | | | 02/26/03 | | | 03/03/03 | | | 03/03/03 | | |
| Units | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | | ug/L | | |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Perchlorate | | 314 0 | 3 | | | 1 | J | A | 4 | | | 5 | | | 4 | | |

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N/R - Not Required.
Q - Refer to data qualifiers.
U - Parameter analyzed, but not detected, associated value is
J - The associated value is an estimated quantity

**EPA Region 9 Laboratory - Richmond, CA**
**SUMMARY OF ANALYTICAL RESULTS**

| | |
|---|---|
| Site: | Omega Chemical |
| Case. | R03S34 |
| SDG: | 03057A |
| Date: | 03/24/03 |
| Analysis: | Chloride, Sulfate, Alkalinity, Sulfide, Nitrate + Nitrite Nitrogen, Total Organic Carbon, and Perchlorate |
| Matrix: | Water |

| Sample No. | | | GW103-MW06A-0042 | | | N/A | | | N/A | | | 3/4/2003 | | | Method QL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39250 | | | Reagent Blank | | | Reagent Blank | | | Reagent Blank | | | |
| Collection Date | | | 03/03/03 | | | N/A | | | N/A | | | N/A | | | |
| Units | | | mg/L | | | mg/L | | | mg/L | | | mg/L | | | mg/L |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com | QL |
| Chloride | 16887-00-6 | 300.0 | 160 | | | 1 U | | | 1 U | | | 1 U | | | 1 |
| Sulfate | 14808-79-8 | 300.0 | 380 | | | 0.5 U | | | 0.5 U | | | 0.5 U | | | 0.5 |
| Carbonate Alkalinity | | SM2320 | 10 U | | | 10 U | | | 10 U | | | N/A | | | 10 |
| Bicarbonate Alkalinity | | SM2320 | 390 | | | 10 U | | | 10 U | | | N/A | | | 10 |
| Total Alkalinity | | SM2320 | 390 | | | 10 U | | | 10 U | | | N/A | | | 10 |
| Sulfide | 18496-25-8 | 376.1 | 1 U | | | 1 U | | | N/A | | | N/A | | | 1 |
| Total Organic Carbon | | 415.1 | 2 U | | | 2 U | | | N/A | | | N/A | | | 2 |
| Nitrate-N+Nitrite-N | | 353.2 | 20 | J | B | 0.3 U | | | 0.3 U | | | N/A | | | 0.3 |

| Sample No. | | | GW103-MW06A-0042 | | | N/A | | | 3/11/2003 | | | Method QL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lab Sample I.D. | | | AB39250 | | | Reagent Blank | | | Reagent Blank | | | |
| Collection Date | | | 03/03/03 | | | N/A | | | N/A | | | |
| Units | | | ug/L | | | ug/L | | | ug/L | | | ug/L |
| Analyte | CAS # | EPA Method | Result | Q | Com | Result | Q | Com | Result | Q | Com | QL |
| Perchlorate | | 314.0 | 4 | | | 2 U | | | 2 U | | | 2 |

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N/R - Not Required
Q - Refer to data qualifiers
U - Parameter analyzed, but not detected, associated value is
J - The associated value is an estimated quantity

# EPA REGION 9 LABORATORY-RICHMOND, CA
## SUMMARY OF ANALYTICAL RESULTS

Case Number: R03S34
Site: Omega Chemical
SDG: 03050A,03057A
Date: 03/13/2003

Analysis: Total Dissolved Solids
Matrix: Water

| Sample I.D. | GW103-MW04A-0047 | | | | GW103-MW04A-1047 | | | | GW103-MW04B-0075 | | | | GW103-MW04C-0094 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | | | | | | | | | | | | |
| Lab Sample ID | AB39012 | | | | AB39013 | | | | AB39014 | | | | AB39015 | | | |
| Date of Collection | 02/18/2003 | | | | 02/18/2003 | | | | 02/18/2003 | | | | 02/18/2003 | | | |
| Units | mg/L | | | | mg/L | | | | mg/L | | | | mg/L | | | |
| Analyte | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com |
| Total Dissolved Solids | 890 | | | | 1000 | | | | 1000 | | | | 950 | | | |

| Sample I.D. | GW103-OW1A-0080 | | | | GW103-OW1B-0116 | | | | GW103-OW2-0078 | | | | GW103-OW8-0075 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | | | | | | | | | | | | |
| Lab Sample ID | AB39038 | | | | AB39039 | | | | AB39040 | | | | AB39041 | | | |
| Date of Collection | 02/19/2003 | | | | 02/19/2003 | | | | 02/19/2003 | | | | 02/20/2003 | | | |
| Units | mg/L | | | | mg/L | | | | mg/L | | | | mg/L | | | |
| Analyte | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com |
| Total Dissolved Solids | 1000 | | | | 870 | | | | 910 | | | | 1100 | | | |

| Sample I.D. | GW103-OW3-0080 | | | | GW103-OW4A-0073 | | | | GW103-/OW4B-0125 | | | | GW103-OW5-0048 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | | | | | | | | | | | | |
| Lab Sample ID | AB39042 | | | | AB39043 | | | | AB39044 | | | | AB39056 | | | |
| Date of Collection | 02/20/2003 | | | | 02/20/2003 | | | | 02/20/2003 | | | | 02/21/2003 | | | |
| Units | mg/L | | | | mg/L | | | | mg/L | | | | mg/L | | | |
| Analyte | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com |
| Total Dissolved Solids | 1100 | | | | 920 | | | | 960 | | | | 860 | | | |

| Sample I.D. | GW103-OW5-1048 | | | | GW103-OW6-0048 | | | | GW103-OW7-0081 | | | | GW103-MW03A-0042 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | | | | | | | | | | | | |
| Lab Sample ID | AB39057 | | | | AB39058 | | | | AB39059 | | | | AB39072 | | | |
| Date of Collection | 02/21/2003 | | | | 02/21/2003 | | | | 02/21/2003 | | | | 02/24/2003 | | | |
| Units | mg/L | | | | mg/L | | | | mg/L | | | | mg/L | | | |
| Analyte | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com |
| Total Dissolved Solids | 870 | | | | 1100 | | | | 870 | | | | 1100 | | | |

| Sample I.D. | GW103-MW07A-0041 | | | GW103-MW10A-0057 | | | GW103-MW11A-0045 | | | GW103-MW08A-0040 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | | | | | | | | |
| Lab Sample ID | AB39073 | | | AB39074 | | | AB39075 | | | AB39124 | | |
| Date of Collection | 02/24/2003 | | | 02/24/2003 | | | 02/24/2003 | | | 02/25/2003 | | |
| Units | mg/L | | | mg/L | | | mg/L | | | mg/L | | |
| Analyte | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Total Dissolved Solids | 2000 | J | A | 1500 | | | 1600 | | | 1300 | | |

| Sample I.D. | GW103-MW08B-0070 | | | GW103-MW08C-0087 | | | GW103-MW08D-0116 | | | GW103-MW01A-0055 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | | | | | | | | |
| Lab Sample ID | AB39125 | | | AB39126 | | | AB39127 | | | AB39181 | | |
| Date of Collection | 02/25/2003 | | | 02/25/2003 | | | 02/25/2003 | | | 02/26/2003 | | |
| Units | mg/L | | | mg/L | | | mg/L | | | mg/L | | |
| Analyte | Result | Q | Com | Result | Q | Com | Result | Q | Com | Result | Q | Com |
| Total Dissolved Solids | 1300 | | | 1200 | | | 900 | | | 800 | | |

Com - Comments refer to the corresponding section in the report narrative for each letter.

Q - Refer to data qualifiers:

U - The analyte was analyzed for but not detected. The associated value is the sample quantitation limit, adjusted for dilution, if any.

J - The associated value is an estimated quantity.

# EPA REGION 9 LABORATORY-RICHMOND, CA
## SUMMARY OF ANALYTICAL RESULTS

Case Number: R03S34
Site: Omega Chemical
SDG: 03050A,03057A
Date: 03/13/2003

Analysis: Total Dissolved Solids
Matrix: Water

| Sample I.D. | GW103-MW01B-0080 | | | | GW103-MW01B-1080 | | | | GW103-MW09A-0032 | | | | GW103-MW09B-0054 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | | | | | | | | | | | | |
| Lab Sample ID | AB39182 | | | | AB39183 | | | | AB39184 | | | | AB39185 | | | |
| Date of Collection | 02/26/2003 | | | | 02/26/2003 | | | | 02/26/2003 | | | | 02/26/2003 | | | |
| Units | mg/L | | | | mg/L | | | | mg/L | | | | mg/L | | | |
| Analyte | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com |
| Total Dissolved Solids | 740 | | | | 740 | | | | 1300 | | | | 1300 | | | |

| Sample I.D. | GW103-MW02A-0055 | | | | GW103-MW05A-0049 | | | | GW103-MW06A-0042 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | | | | | | | | | | | | | 02/21/2003 | | | |
| Lab Sample ID | AB39248 | | | | AB39249 | | | | AB39250 | | | | Method Blank | | | |
| Date of Collection | 03/03/2003 | | | | 03/03/2003 | | | | 03/03/2003 | | | | NA | | | |
| Units | mg/L | | | | mg/L | | | | mg/L | | | | mg/L | | | |
| Analyte | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com |
| Total Dissolved Solids | 1000 | | | | 1000 | | | | 1300 | | | | 20 | U | | |

| Sample I.D. | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location | 02/24/2003 | | | | 02/26/2003 | | | | 02/27/2003 | | | | 03/04/2003 | | | |
| Lab Sample ID | Method Blank | | | | Method Blank | | | | Method Blank | | | | Method Blank | | | |
| Date of Collection | NA | | | | NA | | | | NA | | | | NA | | | |
| Units | mg/L | | | | mg/L | | | | mg/L | | | | mg/L | | | |
| Analyte | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com | Result | | Q | Com |
| Total Dissolved Solids | 20 | U | | | 20 | U | | | 20 | U | | | 20 | U | | |

| Sample I.D. | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sample Location | 03/10/2003 | | | | | | | |
| Lab Sample ID | Method Blank | | | | Quantitation Limit | | | |
| Date of Collection | NA | | | | | | | |
| Units | mg/L | | | | mg/L | | | |
| Analyte | Result | | Q | Com | Result | | Q | Com |
| Total Dissolved Solids | 20 | U | | | 20 | U | | |

Com-Comments refer in the corresponding section in the report narrative for each letter:

Q-refer to data qualifiers:

U - The analyte was analyzed for but not detected. The associated value is the sample quantitation limit, adjusted for dilution, if any.

*J - The associated value is an estimated quantity.*

## ANALYTICAL RESULTS
**Table 1A**

Page ____ of ____

Case No 31445 SDG No Y0TP9
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-MW04A-0047 | | | GW103-MW04A-1047 | | | GW103-MW04B-0075 | | | GW103-OW1A-0080 | | | GW103-OW1B-0116 | | | GW103-OW4A-0073 | | | GW103-OW5-0048 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TP8 | | | Y0TP9 | | | Y0TQ1 | | | Y0TR6 | | | Y0TR7 | | | Y0TS1 | | | Y0TS4 | | |
| Collection Date | 02/18/2003 | | | 02/18/2003 | | | 02/18/2003 | | | 02/19/2003 | | | 02/19/2003 | | | 02/20/2003 | | | 02/21/2003 | | |
| 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** |
| 1,4-Dioxane | 13B | | | 15B | | | 38EB | | | 100000EB | J | | 440EB | J | | 67EB | J | | 27EB | J | |

## ANALYTICAL RESULTS
**Table 1A**

Page ____ of ____

Case No 31445 SDG No Y0TP9
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
***Concentration in ug/L***

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-OW5-1048 | | | GW103-OW6-0048 | | | GW103-OW8-0075 | | | GW103-MW04B-0075 | | | GW103-OW1A-0080 | | | GW103-OW1B-0116 | | | GW103-OW4A-0073 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TS5 | | | Y0TS6 | | | Y0TT1 | | | Y0TQ1DL | | | Y0TR6DL | | | Y0TR7DL | | | Y0TS1DL | | |
| Collection Date | 02/21/2003 | | | 02/21/2003 | | | 02/20/2003 | | | 02/18/2003 | | | 02/19/2003 | | | 02/19/2003 | | | 02/20/2003 | | |
| Dilution Factor | 1 0 | | | 1 0 | | | 1 0 | | | 5 0 | | | 12500 0 | | | 2 5 | | | 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** |
| 1,4-Dioxane | 6B | | | 3B | | | 1700EB | J | | 38DB | J | | 70000DB | | | 17DB | | | 4DB | J | |

## ANALYTICAL RESULTS
**Table 1A**

Page ____ of ____

Case No 31445 SDG No Y0TP9
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

**QUALIFIED DATA**
**Concentration in ug/L**

**Analysis Type :** Low Level Water Samples For Volatiles

| Station Location | GW103-OW5-0048 | | | GW103-OW8-0075 | | | Method Blank | | | Method Blank | | | Method Blank | | | Method Blank | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TS4RE | | | Y0TT1DL | | | VBLKAT | | | VBLKAU | | | VBLKAV | | | VHBLKAT | | | CRQL | | |
| Collection Date | 02/21/2003 | | | 02/20/2003 | | | | | | | | | | | | | | | | | |
| Dilution Factor | 1 0 | | | 125 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** |
| 1,4-Dioxane | 6B | | | 1200DB | | | 0 4J | J | | 0 8 | J | | 0 9 | J | | 0 7B | J | | 120000 | | |

ANALYTICAL RESULTS
Table 1A

Page ____ of ____

Case No 31445 SDG No Y0TR4
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL CORPORATION
Reviewer
Date

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples For Volatiles

| Station Location | GW103-MW02A-0055 | | | GW103-MW05A-0049 | | | GW103-MW06A-0042 | | | GW103-MW08A-0040 | | | GW103-MW10A-0057 | | | GW103-MW02A-0055 | | | GW103-MW05A-0049 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | Y0TP4 | | | Y0TQ3 | | | Y0TQ4 | | | Y0TQ6 | | | Y0TR4 | | | Y0TP4DL | | | Y0TQ3DL | | |
| Collection Date | 03/03/2003 | | | 03/03/2003 | | | 03/03/2003 | | | 02/25/2003 | | | 02/24/2003 | | | 03/03/2003 | | | 03/03/2003 | | |
| Dilution Factor | 1 0 | | | 1 0 | | | 1 0 | | | 1 0 | | | 1 0 | | | 35 7 | | | 3 6 | | |
| Volatile Compound | Result | Val | Com | Result | Val | Com | Result | Val | Com | Result | Val | Com | Result | Val | Com | Result | Val | Com | Result | Val | Com |
| 1 4-Dioxane | 510EB | | | 74EB | | | 2B | | | 2B | | | 7B | | | 180DB | | | 45DB | | |

ANALYTICAL RESULTS
Table 1A

Page ____ of ____

Case No 31445 SDG No Y0TR4
Site OMEGA RECOVERY SERV
Lab LIBERTY ANALYTICAL 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 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | VBLKDE | | | VBLKDG | | | VHBLKDE | | | CRQL | | | | | | | | | | | |
| Collection Date | | | | | | | | | | | | | | | | | | | | | |
| Dilution Factor | 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 |
| 1 4-Dioxane | 0 3J | J | | 0 6 | J | | 0 3JB | J | | 120000 | | | | | | | | | | | |

# APPENDIX D
# CHAINS OF CUSTODY

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

Case No: 31445
DAS No:
R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/18/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8701 2689 36 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03, Organic/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| Y0TP8 | Ground Water/ Bill Clarke | M/G | VOA and 1, (21) 4-DXA | (HCL) (3) | GW103-MW04A-0047 | S: 2/18/2003 10:00 | | -- |
| Y0TP9 | Ground Water/ Bill Clarke | M/G | VOA and 1, (21) 4-DXA | (HCL) (3) | GW103-MW04A-1047 | S: 2/18/2003 10:10 | | Field Duplicate |
| Y0TQ0 | Ground Water/ Bill Clarke | L/G | VOA (21) | (HCL) (3) | GW103-MW04A-2001 | S: 2/18/2003 9:25 | | Trip Blank |
| Y0TQ1 | Ground Water/ Bill Clarke | H/G | VOA and 1, (21) 4-DXA | (HCL) (3) | GW103-MW04B-0075 | S: 2/18/2003 11:30 | | -- |
| Y0TQ2 | Ground Water/ Bill Clarke | L/G | VOA (21) | (HCL) (3) | GW103-MW04C-0094 | S: 2/18/2003 12:15 | | -- |

* L = < 25 ug/L
M = 25 - 250 ug/L
H = > 250 ug/L BC

| | | | |
|---|---|---|---|
| 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? |

VOA = CLP TCL Volatiles, VOA and 1, = CLP TCL Volatiles and 1,4-Dioxane

**TR Number: 9-403144203-021803-0001**

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

(2)

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

**Case No:** 31445
DAS No:
**R**

| | | | | | |
|---|---|---|---|---|---|
| **Region:** | 9 | **Date Shipped:** | 2/18/2003 | **Chain of Custody Record** | **Sampler Signature:** |
| **Project Code:** | | **Carrier Name:** | FedEx | **Relinquished By** (Date / Time) | **Received By** (Date / Time) |
| **Account Code:** | | **Airbill:** | 8336 8601 1323 | 1 | |
| **CERCLIS ID:** | CAD042245001 | **Shipped to:** | Sentinel Inc. 116 Washington Street, NE Huntsville AL 35801 (256) 534-9800 | 2 | |
| **Spill ID:** | | | | 3 | |
| **Site Name/State:** | Omega Chemical, 1Q03, Inorganic/CA | | | 4 | |
| **Project Leader:** | Bill Clarke | | | | |
| **Action:** | Expanded Site Investigation/RI | | | | |
| **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 |
|---|---|---|---|---|---|---|---|---|
| MY0TF0 | Ground Water/ Bill Clarke | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-MW04A-0047 | S: 2/18/2003 10:00 | | -- |
| MY0TF1 | Ground Water/ Bill Clarke | L/G | DM (21) | (HNO3) (1) | GW103-MW04A-0047 | S: 2/18/2003 10:00 | | -- |
| MY0TF2 | Ground Water/ Bill Clarke | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-MW04A-1047 | S: 2/18/2003 10:10 | | Field Duplicate |
| MY0TF3 | Ground Water/ Bill Clarke | L/G | DM (21) | (HNO3) (1) | GW103-MW04A-1047 | S: 2/18/2003 10:10 | | Field Duplicate |
| MY0TF4 | Ground Water/ Bill Clarke | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-MW04B-0075 | S: 2/18/2003 11:30 | | -- |
| MY0TF5 | Ground Water/ Bill Clarke | L/G | DM (21) | (HNO3) (1) | GW103-MW04B-0075 | S: 2/18/2003 11:30 | | -- |
| MY0TF6 | Ground Water/ Bill Clarke | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-MW04C-0094 | S: 2/18/2003 12:15 | | -- |
| MY0TF7 | Ground Water/ Bill Clarke | L/G | DM (21) | (HNO3) (1) | GW103-MW04C-0094 | S: 2/18/2003 12:15 | | -- |

| | | | |
|---|---|---|---|
| **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?** _____ |

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

**TR Number: 9-403144203-021803-0002**

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

[redacted] Sen[redacted]y to: [redacted] Mar[redacted]ent O[redacted]2000 [redacted]d Ha[redacted]., Re[redacted]/A. 20[redacted]400 R[redacted]703/2[redacted]48 Fa[redacted]264-9[redacted] [redacted] [redacted] [redacted] [redacted]2V8.1.043 [redacted] Page [redacted]

# USEPA Contract Laboratory Program
## Generic Chain of Custody

Reference Case: R03S34
Client No:

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/18/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | ' | Airbill: | 8370 3130 7090 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Region 9 Laboratories<br>1337 S. 46th Street,<br>Building 201<br>Richmond CA 94804<br>(510) 412-2300 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|
| GW103-MW04A-0047 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) (8)/ Various | GW103-MW04A-0047 | S: 2/18/2003 10:00 | -- |
| GW103-MW04A-1047 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) (8)/ Various | GW103-MW04A-1047 | S: 2/18/2003 10:10 | Field Duplicate |
| GW103-MW04B-0075 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) (8)/ Various | GW103-MW04B-0075 | S: 2/18/2003 11:30 | -- |
| GW103-MW04C-0094 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) (8)/ Various | GW103-MW04C-0094 | S: 2/18/2003 12:15 | -- |

| | | | |
|---|---|---|---|
| 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? |

Alk = Alkalinity, Anion = Anions (Cl-, SO4-), NO2,NO3 = Nitrite/Nitrate as Nitrogen, Perch = Perchlorate, S- = Sulfide, TDS = Total Dissolved Solids, TOC = Total Organic Carbon

**TR Number: 9-403144203-021803-0003**

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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

(14)

# EPA USEPA Contract Laboratory Program
## Generic Chain of Custody

Reference Case: ~~R03S3~~ → 11-BCCD-57.0 R
Client No:

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/18/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8377 8748 7242 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | EMAX<br>1835 205th Street<br>Torrance CA 90501<br>(310) 618-8889 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|
| GW103-MW04A-0047 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW04A-0047 | S: 2/18/2003 10:00 | -- |
| GW103-MW04A-1047 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW04A-1047 | S: 2/18/2003 10:10 | Field Duplicate |
| GW103-MW04A-2001 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only), 100 (Ice Only) (3) | GW103-MW04A-2001 | S: 2/18/2003 9:25 | Trip Blank |
| GW103-MW04B-0075 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW04B-0075 | S: 2/18/2003 11:30 | -- |
| GW103-MW04C-0094 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW04C-0094 | S: 2/18/2003 12:15 | -- |

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

**TR Number: 9-403144203-021803-0006**

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

Sen[redacted]y to: S[redacted]e Mar[redacted]ent O[redacted]000 [redacted]nd Ha[redacted]., Re[redacted]/A. 20[redacted]400 P[redacted]703/2[redacted]48 Fa[redacted]264-9[redacted]

15)

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

Case No: 31445
DAS No:
R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/20/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8432 4247 92 | 1 | |
| 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, 1Q03, Organic/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Screening Site Investigation | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| Y0TR6 | Ground Water/ Gerardo Zuniga | 1 H/G | VOA and 1, (21) | (HCL) (3) | GW103-OW1A-0080 | S: 2/19/2003 14:00 | | – |
| Y0TR7 | Ground Water/ Gerardo Zuniga | 2 M/G | VOA and 1, (21) | (HCL) (3) | GW103-OW1B-0116 | S: 2/19/2003 16:30 | | – |
| Y0TR8 | Ground Water/ Gerardo Zuniga | 3 H/G | VOA (21) | (HCL) (3) | GW103-OW2-0078 | S: 2/19/2003 16:20 | | – |
| Y0TR9 | Ground Water/ Gerardo Zuniga | 3 H/G | VOA (21) | (HCL) (3) | GW103-OW3-0080 | S: 2/20/2003 11:15 | | – |
| Y0TS1 | Ground Water/ Gerardo Zuniga | 4 M/G | VOA and 1, (21) | (HCL) (3) | GW103-OW4A-0073 | S: 2/20/2003 15:45 | | – |
| Y0TS3 | Ground Water/ Gerardo Zuniga | L/G | VOA (21) | (HCL) (6) | GW103-OW4B-0125 | S: 2/20/2003 14:20 | | – |
| Y0TS9 | Field QC/ Bill Clarke | L/G | VOA (21) | (HCL), 100 (HCL) (3) | GW102-OW2-2002 | S: 2/19/2003 16:40 | | Trip Blank |
| Y0TT1 | Ground Water/ Gerardo Zuniga | 5 H/G | VOA and 1, (21) | (HCL) (3) | GW103-OW8-0075 | S: 2/20/2003 8.15 | | – |

1. VOC ~50K ; 1,4-DXA ~10K
2. VOC >25 ; 1,4-DXA < 50
3. VOC ~1,000
4. VOC >25 ; 1,4-DXA L
5. VOC >10K , 1,4-DXA ~500

| | | | |
|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: Y0TS3 | 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, VOA and 1, = CLP TCL Volatiles and 1,4-Dioxane

**TR Number: 9-403144203-022003-0009**

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

REGION 2 COPY

(6)

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

**Case No:** 31445
DAS No:
R

| | | | |
|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/20/2003 |
| Project Code: | | Carrier Name: | FedEx |
| Account Code: | | Airbill: | 8336 8601 1334 |
| CERCLIS ID: | CAD042245001 | Shipped to: | Sentinel Inc.<br>116 Washington Street, NE<br>Huntsville AL 35801<br>(256) 534-9800 |
| Spill ID: | | | |
| Site Name/State: | Omega Chemical, 1Q03, Inorganic/CA | | |
| Project Leader: | Bill Clarke | | |
| Action: | Expanded Site Investigation/RI | | |
| Sampling Co: | Weston Solutions, Inc. | | |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

Sampler Signature:

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | QC Type |
|---|---|---|---|---|---|---|---|---|
| MY0TJ0 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-OW1A-0080 | S: 2/19/2003 14:00 | | -- |
| MY0TJ1 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW1A-0080 | S: 2/19/2003 14:00 | | -- |
| MY0TJ2 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-OW1B-0116 | S: 2/19/2003 16:30 | | -- |
| MY0TJ3 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW1B-0116 | S: 2/19/2003 16:30 | | -- |
| MY0TJ4 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-OW2-0078 | S: 2/19/2003 16:20 | | -- |
| MY0TJ5 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW2-0078 | S: 2/19/2003 16:20 | | -- |
| MY0TL0 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-OW8-0075 | S: 2/20/2003 8:15 | | -- |
| MY0TL1 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW8-0075 | S: 2/20/2003 8:15 | | -- |

| | | | |
|---|---|---|---|
| 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? _____ |

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

**TR Number: 9-403144203-022003-0001**

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

[redacted] Sen[redacted]y to: [redacted] Mar[redacted]ent O[redacted]2000 [redacted]d Ha[redacted]., Re[redacted]/A. 20[redacted]400 [redacted]703/2[redacted]48 Fa[redacted]264-[redacted] [redacted] [redacted] [redacted] [redacted]2V5.[redacted] Page [redacted]

(2)

# USEPA Contract Laboratory Program
## Generic Chain of Custody

Reference Case: R03S37

Client No:

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/20/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | ' | Airbill: | 8370 3130 7089 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Region 9 Laboratories 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| GW103-OW1 A-0080 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (NaOH+ZnAc) ~~(8)~~ 6 Various | GW103-OW1A-0080 | S: 2/19/2003 | 14:00 | -- |
| GW103-OW1 B-0116 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (H2SO4) ~~(8)~~ 6 Various | GW103-OW1B-0116 | S: 2/19/2003 | 16:30 | -- |
| GW103-OW2-0078 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) ~~(8)~~ 6 Various | GW103-OW2-0078 | S: 2/19/2003 | 16:20 | -- |
| GW103-OW8-0075 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) ~~(8)~~ 6 Various | GW103-OW8-0075 | S: 2/20/2003 | 8:15 | -- |

| | | | |
|---|---|---|---|
| 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? _____ |

Alk = Alkalinity, Anion = Anions (Cl-, SO4-), NO2,NO3 = Nitrite/Nitrate as Nitrogen, Perch = Perchlorate, S- = Sulfide, TDS = Total Dissolved Solids, TOC = Total Organic Carbon

**TR Number: 9-403144203-022003-0002**

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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

(62)

# EPA USEPA Contract Laboratory Program Generic Chain of Custody

Reference Case: ~~R0333~~
Client No: 11-BCCO-51.0

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/20/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | , | Airbill: | 8377 8748 7264 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | EMAX<br>1835 205th Street<br>Torrance CA 90501<br>(310) 618-8889 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|
| GW103-OW1 A-0080 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (3) | GW103-OW1A-0080 | S: 2/19/2003 14:00 | -- |
| GW103-OW1 B-0116 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (3) | GW103-OW1B-0116 | S: 2/19/2003 16:30 | -- |
| GW103-OW2-0078 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (3) | GW103-OW2-0078 | S: 2/19/2003 16:20 | -- |
| GW103-OW2-2002 | Field QC/ Bill Clarke | L/G | MEE (21) | (Ice Only), 100 (Ice Only) (3) HCl | GW103-OW2-2002 | S: 2/19/2003 16:40 | Trip Blank |
| GW103-OW3-0080 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (3) | GW103-OW3-0080 | S: 2/20/2003 11:15 | -- |
| GW103-OW4 A-0073 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (3) | GW103-OW4A-0073 | S: 2/20/2003 15:45 | -- |
| GW103-OW4 B-0125 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (6) | GW103-OW4B-0125 | S: 2/20/2003 14:20 | -- |
| GW103-OW8-0075 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (3) | GW103-OW8-0075 | S: 2/20/2003 8:15 | -- |

| | | | |
|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC:<br>GW103-OW4B-0125 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key:<br>MEE = Methane, Ethane, Ethene | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

**TR Number: 9-403144203-022003-0006**

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

[redacted] Se[redacted]y to: [redacted]e Ma[redacted]ent [redacted]2000[redacted]nd H[redacted]r., Re[redacted]VA. 2[redacted]400 [redacted] 703/[redacted]48 F[redacted]/264-[redacted] [redacted] [redacted] [redacted] [redacted] F2V5.1.043 Page 1 of 1 [redacted]

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

Case No: 31445
DAS No:

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/20/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8336 8601 1345 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Sentinel Inc. 116 Washington Street, NE Huntsville AL 35801 (256) 534-9800 | 2 | |
| Split ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03, Inorganic/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|---|
| MY0TJ6 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-OW3-0080 | S: 2/20/2003 | 11:15 | | -- |
| MY0TJ7 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW3-0080 | S: 2/20/2003 | 11:15 | | -- |
| MY0TJ8 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-OW4A-0073 | S: 2/20/2003 | 15:45 | | -- |
| MY0TJ9 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW4A-0073 | S: 2/20/2003 | 15:45 | | -- |
| MY0TK0 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (NaOH) (4) & HNO3 | GW103-OW4B-0125 | S: 2/20/2003 | 14:20 | | -- |
| MY0TK1 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (2) | GW103-OW4B-0125 | S: 2/20/2003 | 14:20 | | -- |

| | | | |
|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: MY0TK0, MY0TK1 | 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? _____ |

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

**TR Number: 9-403144203-022003-0007**

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

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(IC)

# EPA USEPA Contract Laboratory Program
## Generic Chain of Custody

**Reference Case:** R03S34
Client No:

R

| | | | | | |
|---|---|---|---|---|---|
| **Region:** | 9 | **Date Shipped:** | 2/20/2003 | **Chain of Custody Record** | **Sampler Signature:** |
| **Project Code:** | | **Carrier Name:** | FedEx | **Relinquished By** (Date / Time) | **Received By** (Date / Time) |
| **Account Code:** | | **Airbill:** | 8370 3130 7078 | 1 | |
| **CERCLIS ID:** | CAD042245001 | **Shipped to:** | Region 9 Laboratories<br>1337 S. 46th Street,<br>Building 201<br>Richmond CA 94804<br>(510) 412-2300 | 2 | |
| **Spill ID:** | | | | 3 | |
| **Site Name/State:** | Omega Chemical, 1Q03/CA | | | 4 | |
| **Project Leader:** | Bill Clarke | | | | |
| **Action:** | Expanded Site Investigation/RI | | | | |
| **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 |
|---|---|---|---|---|---|---|---|---|
| GW103-OW3-0080 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) (~~8~~) 6 | GW103-OW3-0080 | S: 2/20/2003 | 11:15 | -- |
| GW103-OW4A-0073 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) (~~8~~) 6 | GW103-OW4A-0073 | S: 2/20/2003 | 15:45 | -- |
| GW103-OW4B-0125 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (H2SO4) (~~16~~) 12 | GW103-OW4B-0125 | S: 2/20/2003 | 14:20 | -- |

| | | | |
|---|---|---|---|
| **Shipment for Case Complete?** N | **Sample(s) to be used for laboratory QC:**<br>GW103-OW4B-0125 | **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?*** _____ |

Alk = Alkalinity, Anion = Anions (Cl-, SO4-), NO2,NO3 = Nitrite/Nitrate as Nitrogen, Perch = Perchlorate, S- = Sulfide, TDS = Total Dissolved Solids, TOC = Total Organic Carbon

**TR Number: 9-403144203-022003-0008**

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

[redacted] Sen[redacted] to: S[redacted] Mar[redacted]ent O[redacted]000 [redacted]d Ha[redacted]., Re[redacted]A. 20[redacted]400 P[redacted]703/2[redacted]8 Fa[redacted]264-9[redacted] [redacted] [redacted] [redacted] [redacted]2V5.1[redacted] Page [redacted]

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

**Case No:** 31445
DAS No:

R

| | | | | | |
|---|---|---|---|---|---|
| **Region:** | 9 | **Date Shipped:** | 2/21/2003 | **Chain of Custody Record** | **Sampler Signature:** |
| **Project Code:** | | **Carrier Name:** | FedEx | **Relinquished By** (Date / Time) | **Received By** (Date / Time) |
| **Account Code:** | ' | **Airbill:** | 8432 4248 03 | 1 | |
| **CERCLIS ID:** | CAD042245001 | **Shipped to:** | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 | 2 | |
| **Spill ID:** | | | | 3 | |
| **Site Name/State:** | Omega Chemical, 1Q03, Organic/CA | | | 4 | |
| **Project Leader:** | Bill Clarke | | | | |
| **Action:** | Screening Site Investigation | | | | |
| **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 |
|---|---|---|---|---|---|---|---|---|
| Y0TS4 | Ground Water/ Gerardo Zuniga | (1) M/G | VOA and 1, (21) | (HCL) (3) | GW103-OW5-0048 | S: 2/21/2003 8:30 | | -- |
| Y0TS5 | Ground Water/ Gerardo Zuniga | (1) M/G | VOA and 1, (21) | (HCL) (3) | GW103-OW5-1048 | S: 2/21/2003 8:40 | | Field Duplicate |
| Y0TS6 | Ground Water/ Gerardo Zuniga | (2) M/G | VOA and 1, (21) | (HCL) (3) | GW103-OW6-0048 | S: 2/21/2003 9:15 | | -- |
| Y0TS7 | Ground Water/ Gerardo Zuniga | L/G | VOA (21) | (HCL) (3) | GW103-OW6-2003 | S: 2/21/2003 9:20 | | Trip Blank |
| Y0TS8 | Ground Water/ Gerardo Zuniga | L/G | VOA (21) | (HCL) (3) | GW103-OW7-0081 | S: 2/21/2003 11:00 | | -- |
| Y0TT0 | Ground Water/ Gerardo Zuniga | L/G | VOA (21) | (HCL) (3) | GW103-OW7-4001 | S: 2/21/2003 11:10 | | Rinsate |

Note. ~~VOC~~ BC
(1) VOC ≤ 200; 1,4-DXA L
(2) VOC ~150, 1,4-DXA L

| | | | |
|---|---|---|---|
| **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?** _____ |

VOA = CLP TCL Volatiles, VOA and 1, = CLP TCL Volatiles and 1,4-Dioxane

**TR Number:** 9-403144203-022103-0001

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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

(12)

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

**Case No:** 31445
DAS No:
R

| | | | | | |
|---|---|---|---|---|---|
| **Region:** | 9 | **Date Shipped:** | 2/21/2003 | **Chain of Custody Record** | **Sampler Signature:** |
| **Project Code:** | | **Carrier Name:** | FedEx | | |
| **Account Code:** | | **Airbill:** | 8336 8601 1356 | **Relinquished By** (Date / Time) | **Received By** (Date / Time) |
| **CERCLIS ID:** | CAD042245001 | **Shipped to:** | Sentinel Inc.<br>116 Washington Street, NE<br>Huntsville AL 35801<br>(256) 534-9800 | 1 | |
| **Spill ID:** | | | | 2 | |
| **Site Name/State:** | Omega Chemical, 1Q03, Inorganic/CA | | | 3 | |
| **Project Leader:** | Bill Clarke | | | 4 | |
| **Action:** | Expanded Site Investigation/RI | | | | |
| **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 |
|---|---|---|---|---|---|---|---|---|---|
| MY0TK2 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-OW5-0048 | S: 2/21/2003 | 8:30 | | -- |
| MY0TK3 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW5-0048 | S: 2/21/2003 | 8:30 | | -- |
| MY0TK4 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-OW5-1048 | S: 2/21/2003 | 8:40 | | Field Duplicate |
| MY0TK5 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW5-1048 | S: 2/21/2003 | 8:40 | | Field Duplicate |
| MY0TK6 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-OW6-0048 | S: 2/21/2003 | 9:15 | | -- |
| MY0TK7 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW6-0048 | S: 2/21/2003 | 9:15 | | -- |
| MY0TK8 | Ground Water/ Gerardo Zuniga | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-OW7-0081 | S: 2/21/2003 | 11:00 | | -- |
| MY0TK9 | Ground Water/ Gerardo Zuniga | L/G | DM (21) | (HNO3) (1) | GW103-OW7-0081 | S: 2/21/2003 | 11:00 | | -- |

| | | | |
|---|---|---|---|
| **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?** _____ |

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

**TR Number:** 9-403144203-022103-0002

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

[redacted] Sen[redacted]y to: [redacted]e Ma[redacted]ent C[redacted]2000 [redacted]nd Ha[redacted]r., Re[redacted]/A. 2[redacted]400 [redacted]703/[redacted]48 Fa[redacted]264-[redacted] [redacted] [redacted] [redacted] [redacted]

# USEPA Contract Laboratory Program
## Generic Chain of Custody

Reference Case: R03S34

Client No:

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/21/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8377 8748 7220 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Region 9 Laboratories<br>1337 S. 46th Street,<br>Building 201<br>Richmond CA 94804<br>(510) 412-2300 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| GW103-OW5-0048 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice ~~Only~~) (~~8~~) (6) (Various) | GW103-OW5-0048 | S: 2/21/2003 | 8:30 | -- |
| GW103-OW5-1048 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice ~~Only~~) (~~8~~) (6) (Various) | GW103-OW5-1048 | S: 2/21/2003 | 8:40 | Field Duplicate |
| GW103-OW6-0048 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice ~~Only~~) (~~8~~) (6) (Various) | GW103-OW6-0048 | S: 2/21/2003 | 9:15 | -- |
| GW103-OW7-0081 | Ground Water/ Gerardo Zuniga | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice ~~Only~~) (~~8~~) (6) (Various) | GW103-OW7-0081 | S: 2/21/2003 | 11:00 | -- |

| | | | |
|---|---|---|---|
| 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? _____ |

Alk = Alkalinity, Anion = Anions (Cl-, SO4-), NO2,NO3 = Nitrite/Nitrate as Nitrogen, Perch = Perchlorate, S- = Sulfide, TDS = Total Dissolved Solids, TOC = Total Organic Carbon

**TR Number: 9-403144203-022103-0003**

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(14)

# USEPA Contract Laboratory Program
## Generic Chain of Custody

**Reference Case: R03S34** R

Client No:

| | | | |
|---|---|---|---|
| **Region:** | 9 | **Date Shipped:** | 2/21/2003 |
| **Project Code:** | | **Carrier Name:** | FedEx |
| **Account Code:** | , | **Airbill:** | 8377 8748 7275 |
| **CERCLIS ID:** | CAD042245001 | **Shipped to:** | EMAX<br>1835 205th Street<br>Torrance CA 90501<br>(310) 618-8889 |
| **Spill ID:** | | | |
| **Site Name/State:** | Omega Chemical, 1Q03/CA | | |
| **Project Leader:** | Bill Clarke | | |
| **Action:** | Expanded Site Investigation/RI | | |
| **Sampling Co:** | Weston Solutions, Inc. | | |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**Sampler Signature:**

| SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | QC Type |
|---|---|---|---|---|---|---|---|---|
| GW103-OW5-0048 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (3) | GW103-OW5-0048 | S: 2/21/2003 | 8:30 | -- |
| GW103-OW5-1048 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-OW5-1048 | S: 2/21/2003 | 8:40 | Field Duplicate |
| GW103-OW6-0048 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (3) | GW103-OW6-0048 | S: 2/21/2003 | 9:15 | -- |
| GW103-OW6-~~2005~~ 2003 BC | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-OW6-2003 | S: 2/21/2003 | 9:20 | Trip Blank |
| GW103-OW7-0081 | Ground Water/ Gerardo Zuniga | L/G | MEE (21) | (Ice Only) (3) | GW103-OW7-0081 | S: 2/21/2003 | 11:00 | -- |

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

**TR Number: 9-403144203-022103-0004**

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

[redacted] Se[redacted]y to: [redacted]e Ma[redacted]ent C[redacted]2000 [redacted]nd H[redacted]., Re[redacted]/A. 2[redacted]400 [redacted]703/[redacted]48 F[redacted]264-[redacted] [redacted] [redacted] [redacted] [redacted]2V5.1.043 Page [redacted]

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

Case No: 31446
DAS No:

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/24/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8432 4248 14 | 1 | |
| 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, 1Q03, Organic/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Screening Site Investigation | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| Y0TP6 | Ground Water/ Bill Clarke | L/G | VOA (21) | (HCL) (6) | GW103-MW03A-0042 | S: 2/24/2003 11:10 | | -- |
| Y0TP7 | Ground Water/ Bill Clarke | L/G | VOA (21) | (HCL) (3) | GW103-MW03A-2004 | S: 2/24/2003 11:15 | | Trip Blank |
| Y0TQ5 | Ground Water/ Amanda Cohan | (1) M/G | VOA (21) | (HCL) (3) | GW103-MW07A-0041 | S: 2/24/2003 10:00 | | -- |
| Y0TR4 | Ground Water/ Amanda Cohan | L/G | VOA and 1, (21) | (HCL) (3) | GW103-MW10A-0057 | S: 2/24/2003 14:45 | | -- |
| Y0TR5 | Ground Water/ Amanda Cohan | L/G | VOA (21) | (HCL) (3) | GW103-MW11A-0045 | S: 2/24/2003 13:40 | | -- |

Notes.
(1) VOC conc. ~ 50 mg/L

| | | | |
|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: Y0TP6 | 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, VOA and 1, = CLP TCL Volatiles and 1,4-Dioxane

**TR Number: 9-403144203-022403-0005**

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(16)

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

**Case No:** 31445 **R**
DAS No:

| | | | |
|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/24/2003 |
| Project Code: | | Carrier Name: | FedEx |
| Account Code: | , | Airbill: | 8336 8601 1367 |
| CERCLIS ID: | CAD042245001 | Shipped to: | Sentinel Inc.<br>116 Washington Street, NE<br>Huntsville AL 35801<br>(256) 534-9800 |
| Spill ID: | | | |
| Site Name/State: | Omega Chemical, 1Q03, Inorganic/CA | | |
| Project Leader: | Bill Clarke | | |
| Action: | Expanded Site Investigation/RI | | |
| Sampling Co: | Weston Solutions, Inc. | | |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

Sampler Signature:

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | QC Type |
|---|---|---|---|---|---|---|---|---|
| MY0TE8 | Ground Water/ Bill Clarke | L/G | CYN (21), TM (21) | (NaOH) (4) & HNO3 | GW103-MW03A-0042 | S: 2/24/2003 11:10 | | -- |
| MY0TE9 | Ground Water/ Bill Clarke | L/G | DM (21) | (HNO3) (2) | GW103-MW03A-0042 | S: 2/24/2003 11:10 | | -- |
| MY0TG2 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-MW07A-0041 | S: 2/24/2003 10:00 | | -- |
| MY0TG3 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW07A-0041 | S: 2/24/2003 10:00 | | -- |
| MY0TH6 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-MW10A-0057 | S: 2/24/2003 14:45 | | -- |
| MY0TH7 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW10A-0057 | S: 2/24/2003 14:45 | | -- |
| MY0TH8 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-MW11A-0045 | S: 2/24/2003 13:40 | | -- |
| MY0TH9 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW11A-0045 | S: 2/24/2003 13:40 | | - |

| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC: MY0TE8, MY0TE9 | 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? _____ |

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

**TR Number: 9-403144203-022403-0006**

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

[redacted] Se[redacted]y to: [redacted]e Ma[redacted]ent C[redacted]2000 [redacted]nd H[redacted]., Re[redacted]/A. 2[redacted]400 [redacted]703/[redacted]48 F[redacted]264-[redacted] [redacted] [redacted] [redacted] [redacted] F2V5.1.043 Page 1 of 1

# USEPA Contract Laboratory Program
## Generic Chain of Custody

Reference Case: R03S34

Client No:

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/24/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8370 3130 7067 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Region 9 Laboratories<br>1337 S. 46th Street,<br>Building 201<br>Richmond CA 94804<br>(510) 412-2300 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|
| GW103-MW03A-0042 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (NaOH+ZnAc) ~~(16)~~ 12 Various BC | GW103-MW03A-0042 | S: 2/24/2003 11:10 | -- |
| GW103-MW07A-0041 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) ~~(8)~~ 6 BC Various | GW103-MW07A-0041 | S: 2/24/2003 10:00 | -- |
| GW103-MW10A-0057 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) ~~(8)~~ 6 BC Various | GW103-MW10A-0057 | S: 2/24/2003 14:45 | -- |
| GW103-MW11A-0045 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) ~~(8)~~ 6 BC Various | GW103-MW11A-0045 | S: 2/24/2003 13:40 | -- |

| | | | |
|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC:<br>GW103-MW03A-0042 | 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? |

Alk = Alkalinity, Anion = Anions (Cl-, SO4-), NO2,NO3 = Nitrite/Nitrate as Nitrogen, Perch = Perchlorate, S- = Sulfide, TDS = Total Dissolved Solids, TOC = Total Organic Carbon

**TR Number: 9-403144203-022403-0007**

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# USEPA Contract Laboratory Program
## Generic Chain of Custody

Reference Case: ~~R03S3~~
Client No: 11-BCLO-51.0

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/24/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8377 8748 7297 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | EMAX<br>1835 205th Street<br>Torrance CA 90501<br>(310) 618-8889 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|
| GW103-MW03A-0042 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (6) | GW103-MW03A-0042 | S: 2/24/2003 11:10 | -- |
| GW103-MW03A-~~2000~~ 2004 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW03A-2004 | S: 2/24/2003 11:15 | Trip Blank |
| GW103-MW07A-0041 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW07A-0041 | S: 2/24/2003 10:00 | -- |
| GW103-MW10A-0057 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW10A-0057 | S: 2/24/2003 14:45 | -- |
| GW103-MW11A-0045 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW11A-0045 | S: 2/24/2003 13:40 | -- |

| | | | |
|---|---|---|---|
| Shipment for Case Complete? N | Sample(s) to be used for laboratory QC:<br>GW103-MW03A-0042 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key:<br>MEE = Methane, Ethane, Ethene | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

**TR Number: 9-403144203-022403-0008**

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[redacted] Send[redacted] to: S[redacted] Mam[redacted]nt O[redacted]000 E[redacted]d Ha[redacted], Res[redacted]A. 20[redacted]00 P[redacted]03/2[redacted]8 Fa[redacted]64-9[redacted] [redacted] V5.1.[redacted]age [redacted]

(19)

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

Case No: 31445
DAS No:
R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/25/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | , | Airbill: | 1177 5671 60 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03, Organic/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Screening Site Investigation | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| Y0TQ6 | Ground Water/ Amanda Cohan | (1) H/G | VOA and 1, (21) | (HCL) (3) | GW103-MW08A-0040 | S: 2/25/2003 11:00 | | – |
| Y0TQ7 | Ground Water/ Amanda Cohan | (2) M/G | VOA (21) | (HCL) (3) | GW103-MW08B-0070 | S: 2/25/2003 9:10 | | – |
| Y0TQ8 | Ground Water/ Amanda Cohan | L/G | VOA (21) | (HCL) (3) | GW103-MW08B-2005 | S: 2/25/2003 9:15 | | Trip Blank |
| Y0TQ9 | Ground Water/ Amanda Cohan | L/G | VOA (21) | (HCL) (3) | GW103-MW08C-0087 | S: 2/25/2003 10:00 | | – |
| Y0TR0 | Ground Water/ Amanda Cohan | (3) M/G | VOA (21) | (HCL) (3) | GW103-MW08D-0116 | S: 2/25/2003 12:00 | | – |

Notes: (1) VOCs ≳ 300 ug/L ; 1,4-DXA L
(2) VOCs ≳ 25 mg/L
(3) Possible VOCs ≳ 25 mg/L to >200 mg/L

| | | | |
|---|---|---|---|
| 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? _____ |

VOA = CLP TCL Volatiles, VOA and 1, = CLP TCL Volatiles and 1,4-Dioxane

**TR Number: 9-403144203-022503-0001**

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

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(20)

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

**Case No:** 31445
DAS No:
**R**

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/25/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | , | Airbill: | 8336 8601 1378 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Sentinel Inc. 116 Washington Street, NE Huntsville AL, 35801 (256) 534-9800 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03, Inorganic/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| MY0TG4 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-MW08A-0040 | S: 2/25/2003 11:00 | | – |
| MY0TG5 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW08A-0040 | S: 2/25/2003 11:00 | | – |
| MY0TG6 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-MW08B-0070 | S: 2/25/2003 9:10 | | – |
| MY0TG7 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW08B-0070 | S: 2/25/2003 9:10 | | – |
| MY0TG8 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (HNO3) (2) & NaOH | GW103-MW08C-0087 | S: 2/25/2003 10:00 | | – |
| MY0TG9 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW08C-0087 | S: 2/25/2003 10:00 | | – |
| MY0TH0 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-MW08D-0116 | S: 2/25/2003 12:00 | | – |
| MY0TH1 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW08D-0116 | S: 2/25/2003 12:00 | | – |

| | | | |
|---|---|---|---|
| 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? _____ |

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

**TR Number: 9-403144203-022503-0002**

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

[redacted]Send[redacted]to: Sa[redacted]Mana[redacted]nt Off[redacted]00 E[redacted] Hall[redacted] Rest[redacted]. 201[redacted]00 Ph[redacted]03/26[redacted]8 Fax[redacted]64-92[redacted] [redacted] [redacted] [redacted] [redacted]V5.1.0[redacted]ge 1[redacted]

(21)

# USEPA Contract Laboratory Program
## Generic Chain of Custody

Reference Case: R03S37

Client No:

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/25/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | , | Airbill: | 8370 3130 7056 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Region 9 Laboratories 1337 S. 46th Street, Building 201 Richmond CA 94804 (510) 412-2300 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|
| GW103-MW08A-0040 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) (8) Various | GW103-MW08A-0040 | S: 2/25/2003 11:00 | -- |
| GW103-MW08B-0070 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) (8) Various | GW103-MW08B-0070 | S: 2/25/2003 9:10 | -- |
| GW103-MW08C-0087 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (H2SO4) (8) Various | GW103-MW08C-0087 | S: 2/25/2003 10:00 | -- |
| GW103-MW08D-0116 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) (8) Various | GW103-MW08D-0116 | S: 2/25/2003 12:00 | -- |

| | | | |
|---|---|---|---|
| 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? _____ |

Alk = Alkalinity, Anion = Anions (Cl-, SO4-), NO2,NO3 = Nitrite/Nitrate as Nitrogen, Perch = Perchlorate, S- = Sulfide, TDS = Total Dissolved Solids, TOC = Total Organic Carbon

**TR Number: 9-403144203-022503-0003**

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

(22)

# USEPA Contract Laboratory Program
## Generic Chain of Custody

**Reference Case:** ~~R0393~~ **R**
Client No: 11-BCC 510

| | | | |
|---|---|---|---|
| **Region:** | 9 | **Date Shipped:** | 2/25/2003 |
| **Project Code:** | | **Carrier Name:** | FedEx |
| **Account Code:** | , | **Airbill:** | 8377 8748 7286 |
| **CERCLIS ID:** | CAD042245001 | **Shipped to:** | EMAX<br>1835 205th Street<br>Torrance CA 90501<br>(310) 618-8889 |
| **Spill ID:** | | | |
| **Site Name/State:** | Omega Chemical, 1Q03/CA | | |
| **Project Leader:** | Bill Clarke | | |
| **Action:** | Expanded Site Investigation/RI | | |
| **Sampling Co:** | Weston Solutions, Inc. | | |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**Sampler Signature:**

| SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | QC Type |
|---|---|---|---|---|---|---|---|---|
| GW103-MW08A-0040 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW08A-0040 | S: 2/25/2003 | 11:00 | -- |
| GW103-MW08B-0070 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW08B-0070 | S: 2/25/2003 | 9:10 | -- |
| GW103-MW08B-~~2007~~ 2005 BC | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW08B-2005 | S: 2/25/2003 | 9:15 | Trip Blank |
| GW103-MW08C-0087 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW08C-0087 | S: 2/25/2003 | 10:00 | -- |
| GW103-MW08D-0116 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW08D-0116 | S: 2/25/2003 | 12:00 | -- |

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

**TR Number: 9-403144203-022503-0004**

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

[redacted] Send [redacted] to. S[redacted] Man[redacted]nt Of[redacted]000 E[redacted]d Hall[redacted] Res[redacted]A. 20[redacted]00 Ph[redacted]03/26[redacted]8 Fax[redacted]64-92[redacted] [redacted] [redacted] [redacted] [redacted]V5.1.0[redacted] Page 1[redacted]

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

Case No: 31445
DAS No:
R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/26/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8358 6596 8978 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03, Organic/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Screening Site Investigation | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| Y0TP0 | Ground Water/ Bill Clarke | (1) H/G | VOA (21) | (HCL) (3) | GW103-MW01A-0055 | S: 2/26/2003 10:45 | | – |
| Y0TP1 | Ground Water/ Bill Clarke | L/G | VOA (21) | (HCL) (3) | GW103-MW01A-2006 | S: 2/26/2003 10:50 | | Trip Blank |
| Y0TP2 | Ground Water/ Bill Clarke | (2) M/G | VOA (21) | (HCL) (3) | GW103-MW01B-0080 | S: 2/26/2003 9:15 | | – |
| Y0TP3 | Ground Water/ Bill Clarke | (2) M/G | VOA (21) | (HCL) (3) | GW103-MW01B-1080 | S: 2/26/2003 9:20 | | Field Duplicate |
| Y0TR1 | Ground Water/ Amanda Cohan | (3) L/G | VOA (21) | (HCL) (3) | GW103-MW09A-0032 | S: 2/26/2003 15:40 | | – |
| Y0TR3 | Ground Water/ Amanda Cohan | (3) L/G | VOA (21) | (HCL) (3) | GW103-MW09B-0054 | S: 2/26/2003 12:15 | | – |

Water: (1) VOCs >200 ug/L
(2) VOCs est. >100 ug/L
(3) VOCs est. 25± ug/L

| | | | |
|---|---|---|---|
| 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: 9-403144203-022603-0001**

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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
# Inorganic Traffic Report & Chain of Custody Record

**Case No:** 31445
DAS No:
R

| | | | |
|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/26/2003 |
| Project Code: | | Carrier Name: | FedEx |
| Account Code: | | Airbill: | 8336 8601 1389 |
| CERCLIS ID: | CAD042245001 | Shipped to: | Sentinel Inc.<br>116 Washington Street, NE<br>Huntsville AL 35801<br>(256) 534-9800 |
| Spill ID: | | | |
| Site Name/State: | Omega Chemical, 1Q03, Inorganic/CA | | |
| Project Leader: | Bill Clarke | | |
| Action: | Expanded Site Investigation/RI | | |
| Sampling Co: | Weston Solutions, Inc. | | |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

Sampler Signature:

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | QC Type |
|---|---|---|---|---|---|---|---|---|
| MY0TE0 | Ground Water/ Bill Clarke | L/G | CYN (21), TM (21) | (NaOH) (2) 3 HNO3 | GW103-MW01A-0055 | S: 2/26/2003 10:45 | | – |
| MY0TE1 | Ground Water/ Bill Clarke | L/G | DM (21) | (HNO3) (1) | GW103-MW01A-0055 | S: 2/26/2003 10:45 | | – |
| MY0TE2 | Ground Water/ Bill Clarke | L/G | CYN (21), TM (21) | (NaOH) (2) 3 HNO3 | GW103-MW01B-0080 | S: 2/26/2003 9:15 | | – |
| MY0TE3 | Ground Water/ Bill Clarke | L/G | DM (21) | (HNO3) (1) | GW103-MW01B-0080 | S: 2/26/2003 9:15 | | – |
| MY0TE4 | Ground Water/ Bill Clarke | L/G | CYN (21), TM (21) | (NaOH) (2) 3 HNO3 | GW103-MW01B-1080 | S: 2/26/2003 9:20 | | Field Duplicate |
| MY0TE5 | Ground Water/ Bill Clarke | L/G | DM (21) | (HNO3) (1) | GW103-MW01B-1080 | S: 2/26/2003 9:20 | | Field Duplicate |
| MY0TH2 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (HNO3) (2) 3 NaOH | GW103-MW09A-0032 | S: 2/26/2003 15:40 | | – |
| MY0TH3 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW09A-0032 | S: 2/26/2003 15:40 | | – |
| MY0TH4 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (NaOH) (2) 3 HNO3 | GW103-MW09B-0054 | S: 2/26/2003 12:15 | | – |
| MY0TH5 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW09B-0054 | S: 2/26/2003 12:15 | | – |

| | | | |
|---|---|---|---|
| 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? _____ |

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

**TR Number: 9-403144203-022603-0002**

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

[redacted]Send [redacted]to: Sa[redacted]Mana[redacted]nt Off[redacted]00 E[redacted] Hall[redacted] Rest[redacted]. 201[redacted]0 Ph[redacted]3/26[redacted] Fax [redacted]4-92[redacted] [redacted] [redacted] [redacted] [redacted]5.1.0[redacted]ge 1 [redacted]

# USEPA Contract Laboratory Program
## Generic Chain of Custody

Reference Case: R03S3 4

Client No:

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 2/26/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | ' | Airbill: | 8370 3130 7045 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Region 9 Laboratories<br>1337 S. 46th Street,<br>Building 201<br>Richmond CA 94804<br>(510) 412-2300 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|
| GW103-MW01A-0055 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (H2SO4) ~~(8)~~ 6 Various | GW103-MW01A-0055 | S: 2/26/2003 10:45 | -- |
| GW103-MW01B-0080 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (NaOH+ZnAc) ~~(8)~~ 6 Various | GW103-MW01B-0080 | S: 2/26/2003 9:15 | -- |
| GW103-MW01B-1080 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) ~~(8)~~ 6 Various | GW103-MW01B-1080 | S: 2/26/2003 9:20 | Field Duplicate |
| GW103-MW09A-0032 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) ~~(8)~~ 6 Various | GW103-MW09A-0032 | S: 2/26/2003 15:40 | -- |
| GW103-MW09B-0054 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (H2SO4) ~~(8)~~ 6 Various | GW103-MW09B-0054 | S: 2/26/2003 12:15 | -- |

| | | | |
|---|---|---|---|
| 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? _____ |

Alk = Alkalinity, Anion = Anions (Cl-, SO4-), NO2,NO3 = Nitrite/Nitrate as Nitrogen, Perch = Perchlorate, S- = Sulfide, TDS = Total Dissolved Solids, TOC = Total Organic Carbon

**TR Number: 9-403144203-022603-0003**

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(26)

# USEPA Contract Laboratory Program
## Generic Chain of Custody

**Reference Case:** ~~R0333~~
**Client No:** 1 - BCCO-51.0 **R**

| | | | |
|---|---|---|---|
| **Region:** | 9 | **Date Shipped:** | 2/26/2003 |
| **Project Code:** | | **Carrier Name:** | FedEx |
| **Account Code:** | ' | **Airbill:** | 834135692645 |
| **CERCLIS ID:** | CAD042245001 | **Shipped to:** | EMAX<br>1835 205th Street<br>Torrance CA 90501<br>(310) 618-8889 |
| **Spill ID:** | | | |
| **Site Name/State:** | Omega Chemical, 1Q03/CA | | |
| **Project Leader:** | Bill Clarke | | |
| **Action:** | Expanded Site Investigation/RI | | |
| **Sampling Co:** | Weston Solutions, Inc. | | |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**Sampler Signature:**

| SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | | QC Type |
|---|---|---|---|---|---|---|---|---|
| GW103-MW01A-0055 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW01A-0055 | S: 2/26/2003 | 10:45 | -- |
| GW103-MW01A-2006 ✓ | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW01A-2006 | S: 2/26/2003 | 10:50 | Trip Blank |
| GW103-MW01B-0080 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW01B-0080 | S: 2/26/2003 | 9:15 | -- |
| GW103-MW01B-1080 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW01B-1080 | S: 2/26/2003 | 9:20 | Field Duplicate |
| GW103-MW09A-0032 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW09A-0032 | S: 2/26/2003 | 15:40 | -- |
| GW103-MW09B-0054 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only) (3) | GW103-MW09B-0054 | S: 2/26/2003 | 12:15 | -- |

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

**TR Number:** 9-403144203-022603-0006

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

[redacted] Sen[redacted] to: S[redacted] Mar[redacted]nt O[redacted]000 [redacted]d Ha[redacted], Res[redacted]A. 20[redacted]00 P[redacted]03/2[redacted]8 Fa[redacted]64-9[redacted] [redacted] [redacted] [redacted] [redacted]V5.1.[redacted]age [redacted]

(21)

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

Case No: 31445
DAS No:
R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 3/3/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8358 6596 8989 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | Liberty Analytical Corporation<br>501 Madison Avenue<br>Cary NC 27513<br>(919) 379-4100 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03, Organic/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Screening Site Investigation | | | | |
| 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 |
|---|---|---|---|---|---|---|---|---|
| Y0TP4 | Ground Water/ Bill Clarke (1) | H/G | VOA and 1, (21) | (HCL) (3) 4 BC | GW103-MW02A-0055 | S: 3/3/2003 11:15 | | -- |
| Y0TP5 | Ground Water/ Bill Clarke | L/G | VOA (21) | (HCL) (3) 4 BC 3 stet BC | GW103-MW02A-2007 | S: 3/3/2003 11:20 | | Trip Blank |
| Y0TQ3 | Ground Water/ Bill Clarke (2) | H/G | VOA and 1, (21) | (HCL) (3) 4 BC | GW103-MW05A-0049 | S: 3/3/2003 10:05 | | -- |
| Y0TQ4 | Ground Water/ Amanda Cohan (3) | H/G | VOA and 1, (21) | (HCL), 100 (HCL) (8) | GW103-MW06A-0042 | S: 3/3/2003 8:40 | | -- |

Notes: (1) Est max VOC ≥ 4,000 ug/L ; 1,4-DXA H (≥ 200 ug/L)
(2) Est max VOC ≥ 1,500 ug/L ; 1,4-DXA M (≥ 100 ug/L)
(3) Est max VOC ≥ 300 ug/L , 1,4-DXA L

| | | | |
|---|---|---|---|
| Shipment for Case Complete? Y | Sample(s) to be used for laboratory QC:<br>Y0TQ4 | 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, VOA and 1, = CLP TCL Volatiles and 1,4-Dioxane

**TR Number: 9-403144203-030303-0001**

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

(28)

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

**Case No:** 31445 **R**
DAS No:

| | | | |
|---|---|---|---|
| **Region:** | 9 | **Date Shipped:** | 3/3/2003 |
| **Project Code:** | , | **Carrier Name:** | FedEx |
| **Account Code:** | | **Airbill:** | 8336 8601 1390 |
| **CERCLIS ID:** | CAD042245001 | **Shipped to:** | Sentinel Inc.<br>116 Washington Street, NE<br>Huntsville AL 35801<br>(256) 534-9800 |
| **Spill ID:** | | | |
| **Site Name/State:** | Omega Chemical, 1Q03, Inorganic/CA | | |
| **Project Leader:** | Bill Clarke | | |
| **Action:** | Expanded Site Investigation/RI | | |
| **Sampling Co:** | Weston Solutions, Inc. | | |

**Chain of Custody Record**

| Relinquished By | (Date / Time) | Received By | (Date / Time) |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

**Sampler Signature:**

| INORGANIC SAMPLE No. | MATRIX/ SAMPLER | CONC/ TYPE | ANALYSIS/ TURNAROUND | TAG No./ PRESERVATIVE/ Bottles | STATION LOCATION | SAMPLE COLLECT DATE/TIME | ORGANIC SAMPLE No. | QC Type |
|---|---|---|---|---|---|---|---|---|
| MY0TE6 | Ground Water/ Bill Clarke | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-MW02A-0055 | S: 3/3/2003 11:15 | | -- |
| MY0TE7 | Ground Water/ Bill Clarke | L/G | DM (21) | (HNO3) (1) | GW103-MW02A-0055 | S: 3/3/2003 11:15 | | -- |
| MY0TF8 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (NaOH) (2) & HNO3 | GW103-MW05A-0049 | S: 3/3/2003 10:05 | | -- |
| MY0TF9 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3) (1) | GW103-MW05A-0049 | S: 3/3/2003 10:05 | | -- |
| MY0TG0 | Ground Water/ Amanda Cohan | L/G | CYN (21), TM (21) | (NaOH), 100 (HNO3), 100 (NaOH) (4) & HNO3 | GW103-MW06A-0042 | S: 3/3/2003 8:40 | | -- |
| MY0TG1 | Ground Water/ Amanda Cohan | L/G | DM (21) | (HNO3), 100 (HNO3) (2) | GW103-MW06A-0042 | S: 3/3/2003 8:40 | | -- |

| Shipment for Case Complete? Y | Sample(s) to be used for laboratory QC: MY0TG0, MY0TG1 | 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?** _____ |

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

**TR Number: 9-403144203-030303-0002**

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[redacted] Send [redacted] to: S[redacted] Man[redacted]nt Of[redacted]000 E[redacted]d Hal[redacted], Res[redacted]A. 201[redacted]00 Pl[redacted]03/26[redacted]8 Fax[redacted]64-92[redacted] [redacted] [redacted] [redacted] [redacted] [redacted]V5.1.[redacted] Page 1 [redacted]

(241)

# USEPA Contract Laboratory Program
## Generic Chain of Custody

**Reference Case:** R03S34

**Client No:**

R

| | | | | | |
|---|---|---|---|---|---|
| **Region:** | 9 | **Date Shipped:** | 3/3/2003 | **Chain of Custody Record** | **Sampler Signature:** |
| **Project Code:** | | **Carrier Name:** | FedEx | **Relinquished By** (Date / Time) | **Received By** (Date / Time) |
| **Account Code:** | , | **Airbill:** | 8370 3130 7034 | 1 | |
| **CERCLIS ID:** | CAD042245001 | **Shipped to:** | Region 9 Laboratories<br>1337 S. 46th Street,<br>Building 201<br>Richmond CA 94804<br>(510) 412-2300 | 2 | |
| **Spill ID:** | | | | 3 | |
| **Site Name/State:** | Omega Chemical, 1Q03/CA | | | 4 | |
| **Project Leader:** | Bill Clarke | | | | |
| **Action:** | Expanded Site Investigation/RI | | | | |
| **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 |
|---|---|---|---|---|---|---|---|
| GW103-MW02A-0055 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (NaOH+ZnAc) ~~(8)~~ 6 BC various | GW103-MW02A-0055 | S: 3/3/2003 11:15 | -- |
| GW103-MW05A-0049 | Ground Water/ Bill Clarke | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only) ~~(8)~~ 6 BC various | GW103-MW05A-0049 | S: 3/3/2003 10:05 | -- |
| GW103-MW06A-0042 | Ground Water/ Amanda Cohan | L/G | Alk (21), Anion (21), NO2,NO3 (21), Perch (21), S- (21), TDS (21), TOC (21) | (Ice Only), 100 (H2SO4), 100 (H3PO4), 100 (Ice Only), 100 (NaOH + ZnAc) ~~(10)~~ 12 BC various | GW103-MW06A-0042 | S: 3/3/2003 8:40 | -- |

| | | | |
|---|---|---|---|
| **Shipment for Case Complete?** Y | **Sample(s) to be used for laboratory QC:**<br>GW103-MW06A-0042 | **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?** _____ |

Alk = Alkalinity, Anion = Anions (Cl-, SO4-), NO2,NO3 = Nitrite/Nitrate as Nitrogen, Perch = Perchlorate, S- = Sulfide, TDS = Total Dissolved Solids, TOC = Total Organic Carbon

**TR Number:** 9-403144203-030303-0004

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(30)

# USEPA Contract Laboratory Program
# Generic Chain of Custody

Reference Case: ~~R0363~~
Client No: 11-BCC-51.0

R

| | | | | | |
|---|---|---|---|---|---|
| Region: | 9 | Date Shipped: | 3/3/2003 | Chain of Custody Record | Sampler Signature: |
| Project Code: | | Carrier Name: | FedEx | Relinquished By (Date / Time) | Received By (Date / Time) |
| Account Code: | | Airbill: | 8341 3569 2634 | 1 | |
| CERCLIS ID: | CAD042245001 | Shipped to: | EMAX<br>1835 205th Street<br>Torrance CA 90501<br>(310) 618-8889 | 2 | |
| Spill ID: | | | | 3 | |
| Site Name/State: | Omega Chemical, 1Q03/CA | | | 4 | |
| Project Leader: | Bill Clarke | | | | |
| Action: | Expanded Site Investigation/RI | | | | |
| 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 |
|---|---|---|---|---|---|---|---|
| GW103-MW02A-0055 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW02A-0055 | S: 3/3/2003 11:15 | -- |
| GW103-MW02A-2007 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW02A-2007 | S: 3/3/2003 11:20 | Trip Blank |
| GW103-MW05A-0049 | Ground Water/ Bill Clarke | L/G | MEE (21) | (Ice Only) (3) | GW103-MW05A-0049 | S: 3/3/2003 10:05 | -- |
| GW103-MW06A-0042 | Ground Water/ Amanda Cohan | L/G | MEE (21) | (Ice Only), 100 (Ice Only) (6) | GW103-MW06A-0042 | S: 3/3/2003 8:40 | -- |

| | | | |
|---|---|---|---|
| Shipment for Case Complete? Y | Sample(s) to be used for laboratory QC:<br>GW103-MW06A-0042 | Additional Sampler Signature(s): | Chain of Custody Seal Number: |
| Analysis Key:<br>MEE = Methane, Ethane, Ethene | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Iced? _____ |

**TR Number: 9-403144203-030303-0005**

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

[redacted] Sen[redacted] to: S[redacted] Man[redacted]ent O[redacted]000 [redacted]d Hal[redacted], Res[redacted]A. 20[redacted]00 P[redacted]03/2[redacted]8 Fax[redacted]64-9[redacted] [redacted] F2V5.1.043 Page 1 of 1

# APPENDIX E
# PURGE RECORDS

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: 2/18/03

Weather Conditions: Sunny, Warm

Time: 1045

Well Sampled By: AC & GZ

General Information

**Well ID Number:** MW04B

**Organic CLP ID #:** YOTQ1

**Inorganic CLP ID #:** MYOTF4, MYOTF5

Initial Depth to Water (feet): 26.27

Final Depth to Water (feet): 26.40

PID Reading: ~~10~~ 1.5 6.2 62

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1049 | 0 | — | 1255 | — | 2.33 | 21.7 | 149 | clear | 26.40 |
| 1052 | 1 | — | 1351 | — | 2.66 | 21.3 | 140 | clear | 26.40 |
| 1055 | 1.2 | — | 1340 | — | 2.48 | 21.4 | 136 | Clear | 26.40 |
| 1058 | 1.5 | — | 1340 | — | 2.54 | 21.4 | 135 | Clear | 26.40 |
| 1102 | 1.8 | — | 1338 | — | 2.53 | 21.3 | 136 | clear | 26.40 |
| 1104 | 2.0 | — | 1338 | — | 2.47 | 21.3 | 136 | Clear | 26.40 |
| 1107 | 2.2 | — | 1337 | — | 2.56 | 21.2 | 136 | Clear | 26.40 |
| 1110 | 2.5 | — | 1337 | — | 2.48 | 21.3 | 136 | Clear | 26.40 |
| 1113 | 2.8 | — | 1336 | — | 2.54 | 21.4 | 136 | Clear | 26.40 |
| 1117 | 3.0 | — | 1336 | — | 2.44 | 21.4 | 135 | Clear | 26.40 |
| 1120 | 3.2 | — | 1335 | — | 2.48 | 21.4 | 135 | clear | 26.40 |

Sample Number: GW103-MW04B-0075

Sample Time: 1130

Field Duplicate: ____ Yes ✓ No

Sample Time: _____

Field Duplicate Number: _____

**Organic CLP ID #:** ~~YOTQ1~~, **Inorganic CLP ID #:** ~~MYOTF4~~ 5

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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**)
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓

**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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
Weather Conditions: Sunny, Warm
Well Sampled By: AC #62

Date: 2/18/03
Time: 1135

General Information

**Well ID Number:** MW04C
**Organic CLP ID #:** YOTQ2
**Inorganic CLP ID #:** MYOTF6, MYOTF7

Initial Depth to Water (feet): 27.90
Final Depth to Water (feet): 27.97
PID Reading: 1.6

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1138 | 0 | — | 1289 | — | 3.74 | 21.5 | 143 | Clear | 27.95 |
| 1141 | 0.8 | — | 1290 | — | 3.74 | 21.5 | 141 | clear | 27.95 |
| 1144 | 1.2 | — | 1286 | — | 4.46 | 21.3 | 142 | clear | 27.95 |
| 1147 | 1.4 | — | 1289 | — | 4.94 | 21.2 | 142 | Clear | 27.97 |
| 1150 | 1.8 | — | 1289 | — | 4.80 | 21.1 | 143 | Clear | 27.97 |
| 1153 | 2.0 | — | 1289 | — | 4.76 | 21.1 | 143 | Clear | 27.97 |
| 1156 | 2.2 | — | 1287 | — | 4.80 | 21.1 | 143 | Clear | 27.97 |
| 1159 | 2.5 | — | 1286 | — | 4.87 | 21.2 | 143 | Clear | 27.97 |
| 1202 | 2.8 | — | 1283 | — | 4.85 | 21.2 | 142 | Clear | 27.97 |
| 1205 | 3.0 | — | 1282 | — | 4.89 | 21.3 | 141 | Clear | 27.97 |
| 1208 | 3.2 | — | 1280 | — | 4.83 | 21.3 | 141 | Clear | 27.97 |

Sample Number: GW103-MW04C-0094
Sample Time: 1215

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

Sample Time: _____
**Organic CLP ID #:** ~~YOTQ2~~ 6.2, **Inorganic CLP ID #:** ~~MYOTF6/7~~ 6.2
Sample Time: _____
**Organic CLP ID #:** _____

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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
Weather Conditions: Cloudy, cool
Well Sampled By: AC & GZ

Date: 2/18/03
Time: 0920

General Information

**Well ID Number:** MW04A
**Organic CLP ID #:** YOTP8
**Inorganic CLP ID #:** MYOTFØ , MYOTF1

Initial Depth to Water (feet): 26.37 (2/17/03)
Final Depth to Water (feet): 26.47
PID Reading: 3.2

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 0922 | 0 | — | 1315 | — | 4.22 | 20.8 | 139 | Clear | 26.45 |
| 0925 | 0.3 | — | 1349 | — | 3.58 | 21.0 | 137 | Clear | 26.45 |
| 0928 | 1.0 | — | 1349 | — | 3.47 | 21.0 | 136 | Clear | 26.45 |
| 0931 | 1.2 | — | 1348 | — | 3.46 | 21.1 | 133 | Clear | 26.45 |
| 0934 | 2.0 | — | 1351 | — | 3.44 | 21.2 | 133 | Clear | 26.45 |
| 0937 | 2.5 | — | 1350 | — | 3.67 | 21.1 | 131 | Clear | 26.45 |
| 0940 | 2.7 | — | 1350 | — | 3.50 | 21.1 | 131 | Clear | 26.47 |
| 0943 | 2.9 | — | 1350 | — | 3.43 | 21.1 | 132 | Clear | 26.47 |
| 0946 | 3.2 | — | 1350 | — | 3.42 | 21.1 | 132 | Clear | 26.47 |
| 0949 | 3.7 | — | 1352 | — | 3.62 | 21.1 | 131 | Clear | 26.47 |
| 0952 | 4.0 | — | 1353 | — | 3.70 | 21.1 | 131 | Clear | 26.47 |

Sample Number: GW103-MW04A-0047
Sample Time: 1000

Field Duplicate: ✓ Yes ___ No
Field Duplicate Number: GW103-MW04A-1047
Sample Time: 1010
**Organic CLP ID #:** YOTP9 , **Inorganic CLP ID #:** MYOTF2 MYOTF3

MS/MSD Sample Volume: ___ Yes ✓ No

Trip Blank: ✓ Yes ___ No
Trip Blank Number: GW103-MW04A-2001
Sample Time: 0925
**Organic CLP ID #:** YOTQØ

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓ , **Total CN-** ✓
**Nitrite/Nitrate as N** ✓ , **Sulfide** ✓

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: 2/19/03
Weather Conditions: Overcast, cool
Time: 1300
Well Sampled By: AC & GZ

General Information

**Well ID Number:** OW1A
**Organic CLP ID #:** YOTR6
**Inorganic CLP ID #:** MYOTJ0, MYOTJ1
Initial Depth to Water (feet): 76.44
Final Depth to Water (feet): _____
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.) |
|---|---|---|---|---|---|---|---|---|---|
| 1318 | 3 | 6.89 | 1682 | 57 | 0.30 | 72.4 | -32.9 | clear | 78.56 |
| 1331 | 5 | 6.81 | 1706 | 1000 | 0.31 | 72.7 | -58.3 | silty | 79.50 |
| 1335 | 6 | 6.80 | 1646 | 1000 | 0.46 | 74.5 | -36.1 | slightly cloudy | — |
| 1339 | 7 | 6.79 | 1632 | 91 | 0.37 | 74.4 | -21.2 | " " | — |
| 1348 | 9 | 6.74 | 1632 | 51 | 0.40 | 74.5 | -16.4 | clear | — |
| 1356 | 11 | 6.77 | 1629 | 29 | 0.42 | 74.1 | -19.4 | clear | — |
| 1400 | 12 | 6.73 | 1629 | 12 | 0.44 | 74. | -15.7 | " | — |

Sample Number: GW103-OW1A-0080
Sample Time: 1400
Field Duplicate: ____ Yes ✓ No
Sample Time: _____
Field Duplicate Number: _____
**Organic CLP ID #:** _____, **Inorganic CLP ID #:** _____
Equipment Blank: ____ Yes ✓ No
Equipment Blank Number: _____
**Organic CLP ID #:** _____ **(VOC Only)**
MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ____ Yes ✓ No
Sample Time: _____
Trip Blank Number: _____
**Organic CLP ID #:** _____ **(VOC Only)**

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs
Work Order Number: 2 1014 515.009 0331
Date: 2/19/03
Weather Conditions: Overcast, cool
Time: 0930
Well Sampled By: AC & GZ

General Information

**Well ID Number:** OW1B
**Organic CLP ID #:** YOTR7
**Inorganic CLP ID #:** MYOTJ2, MYOTJ3
Initial Depth to Water (feet): 77.04 TD: 118.4
Final Depth to Water (feet): _____
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.) |
|---|---|---|---|---|---|---|---|---|---|
| 0946 | 5 | 7.2 | 1016 | 594 | 0.39 | 68.4 | -147.0 | Silty | 82.56 |
| 0956 | 10 | 7.4 | 969.8 | 177 | 0.19 | 69.4 | -239.2 | cloudy | 86.79 |
| 1000 | 12 | 7.4 | 992.8 | 114 | 0.16 | 71.0 | -248.8 | cloudy | 89.28 |
| 1019 | 14 | 7.3 | 1067 | 71000 | 0.17 | 70.2 | -173.4 | Silty | 89.27 |
| 1023 | 16 | 7.3 | 1066 | 832 | 0.15 | 69.9 | -198.5 | cloudy | 91.90 |
| 1027 | 18 | 7.5 | 998.6 | 464 | 0.17 | 71.3 | -209.1 | cloudy | 92.80 |
| 1037 | 23 | 7.5 | 992.4 | 200 | 0.13 | 71.6 | -213.4 | slightly-cloudy | 96.25 |
| 1047 | 27 | 7.5 | 995.8 | 394 | 0.15 | 72.3 | -201.8 | " " | 102.20 |
| 1057 | 32 | 7.6 | 1031 | 71000 | 0.11 | 72.8 | -202.9 | " " | 104.65 |
| 1107 | 37 | 7.5 | 1030 | 433 | 0.25 | 72.1 | -193.3 | cloudy | 108.39 |
| 1117 | 42 | 7.4 | 1041 | 179 | 0.28 | 72.8 | -176.5 | cloudy | 111.25 |
| 1127 | 47 | 7.4 | 1048 | 134 | 0.29 | 72.7 | -179.2 | cloudy | 113.70 |
| 1137 | 52 | 7.4 | 1140 | 83 | 0.30 | 72.9 | -151.0 | slightly-cloudy | 117.18 |
| Dewatered → (1138) | | | | | | | | | |

Sample Number: GW103-OW1B-0116
Sample Time: 1630

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

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074515009 0331
Weather Conditions: Overcast, cool
Well Sampled By: AC & GZ

Date: 2/19/03
Time: 0750

General Information

**Well ID Number:** OW2
**Organic CLP ID #:** YOTR8
**Inorganic CLP ID #:** MYOTJ4, MYOTJ5

Initial Depth to Water (feet): _____
PID Reading: 119

Final Depth to Water (feet): _____

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) °F | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1526 | 6 | 7.33 | 1346 | 13.4 | 0.75 | 70.4 | 94.0 | clear | 65.94 |
| 1529 | 12 | 7.1 | 1333 | 5 | 2.36 | 71.0 | 92.0 | clear | 65.94 |
| 1531 | 16 | 7.0 | 1329 | 7 | 2.45 | 71.3 | 90.2 | clear | 65.94 |
| 1533 | 20 | 7.0 | 1338 | 61 | 2.82 | 71.1 | 85.1 | clear | 71.03 |
| 1535 | 24 | 7.0 | 1337 | 8 | 3.10 | 71.2 | 86.9 | clear | |

Sample Number: GW103-OW2-0078
Sample Time: 1630

Field Duplicate: ____ Yes ✓ No
Sample Time: _____
Field Duplicate Number: _____
**Organic CLP ID #:** _____, **Inorganic CLP ID #:** _____
Equipment Blank: ____ Yes ✓ No
Equipment Blank Number: _____
**Organic CLP ID #:** _____ **(VOC Only)**
MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ✓ Yes ____ No
Sample Time: _____
Trip Blank Number: GW103-OW2-2002
**Organic CLP ID #:** YOTS9 **(VOC Only)** 1640

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs

Work Order Number: 2cc74 515.009 0331

Date: 2/20/03

Weather Conditions: Sunny, Warm

Time: 0909

Well Sampled By: AC & GZ

General Information

**Well ID Number:** OW3

**Organic CLP ID #:** TOTR9

**Inorganic CLP ID #:** MYOTJ6 , MYOTJ7

Initial Depth to Water (feet): 65.50

Final Depth to Water (feet): _____

PID Reading: 132

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 0929 | 10 | 7.13 | 1499 | 76 | 1.95 | 25.0 | -15 | clear | 68.51 |
| 0934 | 20 | 7.04 | 1508 | 22 | 3.53 | 22.0 | -10 | clear | 69.67 |
| 0939 | 30 | 7.01 | 1512 | 22 | 3.82 | 22.5 | 17.5 | " | 70.60 |
| 0944 | 40 | 6.98 | 1513 | 20 | 4.67 | 22.5 | 26.6 | " | 71.32 |
| 0949 | 50 | 6.98 | 1513 | 19 | 4.78 | 22.5 | 27.6 | " | 71.80 |
| 0954 | 60 | 6.98 | 1514 | 14 | 4.84 | 22.5 | 32.8 | " | 72.27 |
| 0959 | 70 | 7.08 | 1520 | 16 | 4.59 | 22.5 | 38.4 | " | 73.90 |
| 1004 | 80 | 6.97 | 1516 | 20 | 4.84 | 22.5 | 32.6 | " | 73.41 |
| 1009 | 90 | 7.03 | 1510 | 474 | 4.83 | 22.5 | 20.4 | silty/dirty | 74.10 |
| 1014 | 100 | 7.07 | 1522 | 114 | 4.36 | 22.5 | 9.0 | slightly cloudy | 74.10 |
| 1024 | 120 | 7.09 | 1518 | 66 | 4.28 | 22.6 | 10.0 | " | 75.32 |
| 1032 | 136 | 6.94 | 1524 | 49 | 4.50 | 22.7 | 4.8 | clear | 76.32 |

Sample Number: GW103-OW3-0080

Sample Time: 1115

Field Duplicate: ____ Yes ✓ No

Sample Time: _____

Field Duplicate Number: _____

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

Equipment Blank: ____ Yes ✓ No

Equipment Blank Number: _____

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

MS/MSD Sample Volume: ____ Yes ✓ No

Trip Blank: 6 ~~[illegible]~~ Yes ✓ No

Sample Time: _____

Trip Blank Number: _____

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

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓ , **Total CN-** ✓

**Nitrite/Nitrate as N** ✓ , **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074515.009.0331
Date: 2/20/03
Weather Conditions: Sunny, Warm
Time: 1500
Well Sampled By: Gerardo Zuniga

General Information

**Well ID Number:** OW4A
**Organic CLP ID #:** Y0TS1
**Inorganic CLP ID #:** MY0TJ8 , MY0TJ9

Initial Depth to Water (feet): 58.51
Final Depth to Water (feet): _____
PID Reading: 0.2

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1508 | 20 | 7.12 | 1619 | 63 | 2.34 | 22.8 | 86.2 | Clear | 59.55 |
| 1510 | 30 | 7.04 | 1538 | 19 | 2.73 | | 86.8 | | 59.58 |
| 1512 | 40 | 7.05 | 1534 | 13 | 2.92 | | 86.9 | | |
| 1514 | 50 | 7.06 | 1510 | 4 | 3.03 | | 87.0 | | |
| 1516 | 60 | 7.06 | 1502 | 4 | 3.09 | | 86.4 | | |
| 1518 | 70 | 6.99 | 1488 | 3 | 3.17 | | 86.6 | | |
| 1520 | 80 | 7.03 | 1483 | 2 | 3.27 | | 87.0 | | |
| 1522 | 90 | 7.03 | 1474 | 2 | 3.30 | | 86.8 | | 59.57 |
| 1524 | 100 | 7.03 | 1458 | 2 | 3.33 | | 86.5 | | 59.57 |
| 1528 | 120 | 7.04 | 1448 | 1 | 3.29 | 22.7 | 84.6 | | 59.58 |

Sample Number: GW302-OW4A-0073
Sample Time: 1545

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

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓ , **Total CN** ✓
**Nitrite/Nitrate as N** ✓ , **Sulfide** ✓

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
Weather Conditions: Sunny, cool
Well Sampled By: AC 962

Date: 2/20/03
Time: 0710

General Information

**Well ID Number:** OW8
**Organic CLP ID #:** YOTT1
**Inorganic CLP ID #:** MYOTL0, MYOTL1

Initial Depth to Water (feet): 67.36
PID Reading: 140

Final Depth to Water (feet): 67.85

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) °F | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 0740 | 6 | 6.77 | 1665 | 22 | 0.55 | 66.0 | -141.2 | clear, $H_2S$ odor | 67.82 |
| 0742 | 12 | 6.83 | 1626 | 20 | 1.21 | 68.9 | -140.6 | " " | 67.83 |
| 0744 | 18 | 6.84 | 1627 | 15 | 1.34 | 69.9 | -142.7 | " " | 67.83 |
| 0746 | 24 | 6.56 | 1624 | 8 | 1.54 | 71.5 | -144.3 | " " | 67.83 |
| 0748 | 30 | 6.86 | 1624 | 6 | 1.60 | 70.5 | -147.3 | " " | 67.83 |
| 0750 | 36 | 6.95 | 1629 | 6 | 1.60 | 69.9 | -147.2 | " " | 67.83 |
| 0753 | 45 | 6.90 | 1649 | 4 | 1.56 | 69.2 | -152.6 | " " | 67.83 |
| 0756 | 54 | 6.87 | 1640 | 3 | 1.58 | 69.7 | -153.8 | " " | 67.84 |
| 0759 | 63 | 6.88 | 1647 | 2 | 1.60 | 69.9 | -153.0 | " " | 67.85 |
| 0802 | 72 | 6.89 | 1662 | 3 | 1.57 | 69.6 | -154.5 | " " | 67.85 |
| 0817 | 117 | 6.89 | 1676 | 3 | 1.57 | 68.3 | -155.1 | " " | 67.84 |

Sample Number: GW103-OW8-0075
Sample Time: 0815

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

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs

Work Order Number: 20074515.009.0331

Date: 2/20/03

Weather Conditions: Sunny, Warm

Time: 1310

Well Sampled By: GZ

General Information

**Well ID Number:** OW4B

**Organic CLP ID #:** YOTS3 6.2

**Inorganic CLP ID #:** ~~MYOTF4~~ MYOTK0, ~~MYOTF5~~ 6.2 MYOTK1

Initial Depth to Water (feet): 62.61

Final Depth to Water (feet): _____

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.) |
|---|---|---|---|---|---|---|---|---|---|
| 1334 | 20 | 7.47 | 1358 | 21 | 2.90 | 22.6 | 17.5 | clear | 66.55 |
| 1338 | 40 | 7.39 | 1421 | 7 | 2.94 | " | -4.1 | " | 66.63 |
| 1342 | 60 | 7.40 | 1426 | 8 | 3.06 | " | 1.6 | " | 66.65 |
| 1346 | 80 | 7.37 | 1438 | 4 | 3.09 | " | 6.9 | " | 66.74 |
| 1350 | 100 | 7.36 | 1431 | 2 | 3.10 | " | 4.9 | " | 66.75 |
| 1354 | 120 | 7.35 | 1437 | 1 | 3.13 | " | -1.0 | " | 66.76 |
| 1358 | 140 | 7.38 | 1442 | 1 | 3.12 | " | -3.0 | " | 66.80 |
| 1402 | 160 | 7.41 | 1441 | 1 | 3.05 | " | -3.7 | " | 66.83 |
| 1406 | 180 | 7.36 | 1438 | 2 | 3.03 | " | -0.4 | " | 66.84 |
| 1409 | 195 | 7.40 | 1424 | 2 | 3.00 | " | -2.1 | " | 66.85 |
| 1417 | 235 | 7.30 | 1441 | 1 | 3.08 | 23.2 | -2.8 | " | |

Sample Number: GW103-OW4B-0125

Sample Time: 1420

Field Duplicate: ____ Yes ✓ No

Sample Time: _____

Field Duplicate Number: _____

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

Equipment Blank: ____ Yes ✓ No

Equipment Blank Number: _____

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

MS/MSD Sample Volume: ✓ Yes ____ No

Trip Blank: ____ Yes ✓ No

Sample Time: _____

Trip Blank Number: _____

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

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓

**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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: 2/2/03

Weather Conditions: Sunny, cool

Time: 0720

Well Sampled By: AC & GZ

General Information

**Well ID Number:** OW5

**Organic CLP ID #:** YOT54

**Inorganic CLP ID #:** MYOTK2, MYOTK3

Initial Depth to Water (feet): 30.82

Final Depth to Water (feet): _____

PID Reading: 38

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 0730 | 20 | 6.86 | 1383 | 86 | 4.48 | 22.5 | 59.8 | clear | 31.28 |
| 0734 | 40 | 6.95 | 1352 | 61 | 4.47 | 22.5 | 60.3 | | 31.29 |
| 0736 | 50 | 6.97 | 1345 | 74 | 4.52 | | 54.6 | | |
| 0738 | 60 | 6.99 | 1343 | 55 | 4.54 | | 51.2 | | |
| 0740 | 70 | 7.04 | 1343 | 43 | 4.56 | | 50.9 | | |
| 0742 | 80 | 7.04 | 1344 | 32 | 4.56 | | 48.9 | | |
| 0744 | 100 | 7.03 | 1344 | 19 | 4.61 | | 48.3 | | |
| 0746 | 110 | 7.04 | 1345 | 18 | 4.61 | | 46.1 | | |
| 0747 | 115 | 7.05 | 1342 | 12 | 4.61 | | 45.9 | | |
| 0748 | 120 | 7.09 | 1344 | 14 | 4.61 | | 49.4 | | |
| 0758 | 130 | 7.00 | 1351 | 11 | 4.33 | 23.0 | 54.6 | | |

Sample Number: GW103-OW5-0048

Sample Time: 0830

Field Duplicate: ✓ Yes ____ No

Sample Time: 0840

Field Duplicate Number: GW103-OW5 1048

**Organic CLP ID #:** YOT55, **Inorganic CLP ID #:** MYOTK4/5

Equipment Blank: ____ Yes ✓ No

Equipment Blank Number: _____

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

MS/MSD Sample Volume: ____ Yes ✓ No

Trip Blank: ____ Yes ✓ No

Sample Time: _____

Trip Blank Number: _____

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

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓

**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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 S15.009.0331
Weather Conditions: Sunny, Warm
Well Sampled By: AC & GZ

Date: 2/21/03
Time: 0830

General Information

**Well ID Number:** OW6
**Organic CLP ID #:** YOTS6
**Inorganic CLP ID #:** MYOTK6, MYOTK7

Initial Depth to Water (feet): 47.49
PID Reading: 1.0

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.) |
|---|---|---|---|---|---|---|---|---|---|
| 0854 | 10 | 7.18 | 1812 | 6 | 0.27 | 22.3 | 91.8 | Clear | 47.64 |
| 0856 | 20 | 6.96 | 1814 | 2 | 0.29 | 22.3 | 92.1 | | 47.65 |
| 0858 | 30 | 6.98 | 1810 | 1 | 0.31 | 22.3 | 91.7 | | 47.66 |
| 0900 | 40 | 6.89 | 1811 | 1 | 0.33 | 22.3 | 91.3 | | 47.66 |
| 0902 | 50 | 6.88 | 1808 | 1 | 0.35 | 22.3 | 89.3 | | 47.65 |
| 0904 | 60 | 7.00 | 1809 | 1 | 0.33 | 22.3 | 89.3 | | 47.66 |
| 0906 | 70 | 6.88 | 1812 | 1 | 0.32 | 22.3 | 88.7 | | 47.67 |
| 0908 | 80 | 6.87 | 1814 | 1 | 0.32 | 22.3 | 88.4 | | 47.67 |
| 0910 | 90 | 6.92 | 1813 | 1 | 0.30 | 22.3 | 87.2 | | 47.67 |
| 0911 | 95 | 6.96 | 1815 | 1 | 0.32 | 22.3 | 86.5 | | 47.67 |
| 0914 | 98 | 6.80 | 1828 | 1 | 0.30 | 22.5 | 80.0 | | 47.67 |

Sample Number: GW103-OW6-0048
Sample Time: 0915

Field Duplicate: ____ Yes ✓ No
Sample Time: _____
Field Duplicate Number: _____
**Organic CLP ID #:** _____, **Inorganic CLP ID #:** _____
Equipment Blank: ____ Yes ✓ No
Equipment Blank Number: _____
**Organic CLP ID #:** _____ **(VOC Only)**
MS/MSD Sample Volume: ____ Yes ✓ No
Trip Blank: ✓ Yes ____ No
Sample Time: 0920
Trip Blank Number: GW103 OW6 2003
**Organic CLP ID #:** YOTS7 **(VOC Only)**

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide

(1) L-Polyethylene Bottle w/$HNO_3$ - Total TAL Metals & MEE
(1) L-Polyethylene Bottle w/$HNO_3$ - Dissolved TAL Metals **(Filtered)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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: 2/21/03

Weather Conditions: Sunny, Hot

Time: 1000

Well Sampled By: ACOG2

General Information

**Well ID Number:** OW7
**Organic CLP ID #:** YOT58
**Inorganic CLP ID #:** MYOTK8, MYOTK9

Initial Depth to Water (feet): 76.80

Final Depth to Water (feet): _____

PID Reading: 6.5

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1041 | 10 | 7.31 | 1472 | 28 | 1.44 | 22.1 | 77.9 | Clear | 79.75 |
| 1046 | 20 | 7.11 | 1492 | 27 | 3.69 | 22.0 | 77.3 | " | 81.00 |
| 1051 | 30 | 7.19 | 1497 | 21 | 3.51 | 21.9 | 80.4 | " | 82.60 |
| 1104 | 40 | ~~7.04~~ | 1505 | 12 | 3.96 | 22.4 | 72.5 | " | 80.40 |
| 1114 | 50 | 6.97 | 1513 | 3 | 4.23 | 22.4 | 74.2 | " | 80.40 |
| 1124 | 60 | 6.93 | 1513 | 3 | 4.13 | 20.4 | 76.5 | " | 80.55 |
| 1139 ~~1150~~ | 76 | 6.94 | 1499 | 6 | 4.34 | 22.3 | 74.5 | " | 81.69 |
| 1150 | 86 | 6.90 | 1504 | 3 | 4.47 | 20.3 | 78.5 | " | 82.00 |
| 1154 | 90 | 6.90 | 1504 | 2 | 4.47 | 22.3 | 75.5 | " | 81.90 |
| 1156 | 92 | 6.92 | 1511 | 2 | 4.35 | 22.3 | 75.3 | " | 82.00 |
| 1202 | 98 | 6.49 | 1495 | 3 | 4.46 | 22.3 | 72.0 | " | 82.03 |

Sample Number: GW103-OW7-0081

Sample Time: 1100

Field Duplicate: ____ Yes ✓ No

Sample Time: _____

Field Duplicate Number: _____

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

Equipment Blank: ✓ Yes ____ No

Equipment Blank Number: GW103-OW7-4001

**Organic CLP ID #:** YOTTØ **(VOC Only)** (1110)

MS/MSD Sample Volume: ____ Yes ✓ No

Trip Blank: ____ Yes ✓ No

Sample Time: _____

Trip Blank Number: _____

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

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0351
Weather Conditions: Cloudy, cool
Well Sampled By: AC & GZ

Date: 2/24/03
Time: 1350

General Information

**Well ID Number:** MW10A
**Organic CLP ID #:** Y0TR4
**Inorganic CLP ID #:** MY0TH6 , MY0TH7
Initial Depth to Water (feet): ~~35.00~~ 35.07
Final Depth to Water (feet): 35.00
PID Reading: 2.1

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1400 | 0.1 | 7.25 | 1867 | — | 7.77 | 21.9 | 132 | Clear | 34.80 |
| 1403 | 0.2 | 6.95 | 1998 | — | 6.78 | 21.9 | 133 | Clear | 35.00 |
| 1406 | 0.5 | 6.90 | 2,040 | — | 4.49 | 22.1 | 128 | Clear | 35.00 |
| 1409 | 1.0 | 6.96 | 2,010 | — | 5.29 | 22.1 | 129 | Clear | 35.00 |
| 1412 | 1.2 | 7.01 | 1,985 | — | 6.54 | 22.1 | 133 | Clear | 35.00 |
| 1415 | 1.5 | 7.05 | 1,972 | — | 7.82 | 22.1 | 136 | Clear | 34.90 |
| 1418 | 1.8 | 7.05 | 1,969 | — | 7.85 | 22.1 | 137 | Clear | 34.90 |
| 1421 | 2.1 | 7.05 | 1,967 | — | 7.91 | 22.1 | 136 | Clear | 35.00 |
| 1424 | 2.4 | 7.06 | 1,963 | — | 7.98 | 22.1 | 137 | Clear | 35.00 |
| 1427 | 2.7 | 7.08 | 1,963 | — | 7.99 | 22.2 | 137 | Clear | 35.00 |
| 1430 | 3.0 | 7.08 | 1,961 | — | 8.15 | 22.1 | 137 | Clear | 35.00 |

Sample Number: GW103-MW10A-0057
Sample Time: 1445

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓ , **Total CN-** ✓
**Nitrite/Nitrate as N** ✓ , **Sulfide** ✓

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
Weather Conditions: Cloudy, Cool
Well Sampled By: AC & GZ

Date: 2/24/03
Time: 1250

General Information

**Well ID Number:** MW11A
**Organic CLP ID #:** YOTR5
**Inorganic CLP ID #:** MYOTH8 , MYOTH9
Initial Depth to Water (feet): 37.43
PID Reading 1.7

Final Depth to Water (feet): 37 36

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1300 | 0.1 | 6.94 | 1863 | — | 9.36 | 21.8 | 127 | Clear | 6.7 ~~38.33~~ 37.33 |
| 1303 | 0.4 | 6.74 | 2090 | — | 9.24 | 21.8 | 120 | " | 6.7 ~~38.33~~ 37.33 |
| 1306 | 0.8 | 6.74 | 2,110 | — | 8.90 | 21.8 | 117 | " | 6.7 ~~38.20~~ 37.30 |
| 1309 | 1.1 | 6.74 | 2,110 | — | 8.59 | 21.7 | 116 | " | 6.7 ~~38~~ 37.30 |
| 1312 | 1.3 | 6.74 | 2,110 | — | 8.43 | 21.8 | 116 | " | 37.30 |
| 1315 | 1.5 | 6.74 | 2,110 | — | 8.25 | 21.8 | 116 | " | 37.30 |
| 1318 | 1.8 | 6.74 | 2,110 | — | 8.09 | 21.8 | 116 | " | 37.30 |
| 1321 | 2.0 | 6.74 | 2,110 | — | 7.86 | 21.8 | 116 | " | 37.30 |
| 1324 | 2.2 | 6.74 | 2,110 | — | 7.76 | 21.8 | 116 | " | 37.30 |
| 1327 | 2.4 | 6.74 | 2,110 | — | 7.62 | 21.8 | 116 | " | 37.30 |
| 1330 | 2.6 | 6.74 | 2,110 | — | 7.52 | 21.8 | 116 | " | 37.30 |

Sample Number: GW103-MW11A-0045
Sample Time: 1340

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓ , **Total CN-** ✓
**Nitrite/Nitrate as N** ✓ , **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.575.0090331
Date: 7/24/03
Weather Conditions: Cloudy, Cool
Time: 1020
Well Sampled By: AC & GZ

General Information

**Well ID Number:** MW03A
**Organic CLP ID #:** YOTP6
**Inorganic CLP ID #:** MYOTE8 MYOTE9
Initial Depth to Water (feet): 29.05
Final Depth to Water (feet): 29.35
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.) |
|---|---|---|---|---|---|---|---|---|---|
| 1027 | 0.1 | 6.96 | 1556 | — | 6.43 | 21.4 | 190 | clear | 29.35 |
| 1030 | 0.5 | 6.87 | 1635 | — | 3.01 | 21.3 | 163 | clear | 29.35 |
| 1033 | 0.9 | 6.85 | 1642 | — | 2.08 | 21.2 | 140 | clear | 29.33 |
| 1036 | 1.1 | 6.85 | 1642 | — | 1.77 | 21.2 | 128 | clear | 29.33 |
| 1039 | 1.6 | 6.85 | 1642 | — | 1.76 | 21.2 | 117 | clear | 29.33 |
| 1042 | 1.8 | 6.85 | 1643 | — | 1.68 | 21.2 | 115 | clear | 29.35 |
| 1045 | 2.1 | 6.85 | 1644 | — | 1.67 | 21.2 | 112 | clear | 29.35 |
| 1048 | 2.4 | 6.85 | 1643 | — | 1.31 | 21.1 | 111 | clear | 29.35 |
| 1051 | 2.7 | 6.86 | 1645 | — | 1.32 | 21.1 | 109 | clear | 29.35 |
| 1054 | 3.0 | 6.86 | 1646 | — | 1.68 | 21.1 | 108 | clear | 29.35 |
| 1057 | 3.3 | 6.86 | 1646 | — | 1.59 | 21.1 | 107 | clear | 29.35 |

Sample Number: GW103-MW03A-0042
Sample Time: 1110
Field Duplicate: ____ Yes ✓ No
Sample Time: _____
Field Duplicate Number: _____
**Organic CLP ID #:** _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: X Yes ____ No
Trip Blank: X Yes ____ No
Sample Time: _____
Trip Blank Number: GW103-MW03A-2004
**Organic CLP ID #:** YOTP7 (1115)

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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: 2/24/03
Weather Conditions: Cloudy, cool
Time: 0915
Well Sampled By: AC & GZ

General Information

**Well ID Number:** MW07A
**Organic CLP ID #:** YOTQ5
**Inorganic CLP ID #:** MYOTG2, MYOTG3
Initial Depth to Water (feet): 23.15
Final Depth to Water (feet): 23.13
PID Reading: 0.7

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 0917 | 0.2 | 6.89 | 2,470 | — | 4.02 | 21.4 | 111 | clear | 23.17 |
| 0920 | 0.5 | 6.88 | 2,450 | — | 3.01 | 21.4 | 109 | " | 23.17 |
| 0923 | 1.0 | 6.87 | 2,470 | — | 2.92 | 21.4 | 109 | " | 23.15 |
| 0926 | 1.2 | 6.87 | 2,490 | — | 2.84 | 21.4 | 109 | " | 23.15 |
| 0929 | 1.7 | 6.87 | 2,510 | — | 2.84 | 21.4 | 110 | " | 23.15 |
| 0932 | 1.9 | 6.87 | 2,530 | — | 2.86 | 21.4 | 111 | " | 23.14 |
| 0935 | 2.2 | 6.87 | 2,530 | — | 2.83 | 21.5 | 111 | " | 23.13 |
| 0938 | 2.5 | 6.87 | 2,540 | — | 2.87 | 21.6 | 113 | " | 23.13 |
| 0941 | 2.8 | 6.87 | 2,550 | — | 2.93 | 21.7 | 114 | " | 23.13 |
| 0944 | 3.1 | 6.88 | 2,555 | — | 2.94 | 21.7 | 117 | " | 23.13 |
| 0947 | 3.4 | 6.88 | 2,555 | — | 3.00 | 21.7 | 119 | " | 23.13 |

Sample Number: GW103-MW07A-0041
Sample Time: 1000

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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
Weather Conditions: Cloudy, cold, rainy
Well Sampled By: AC & GZ

Date: 2/25/03
Time: 1015

General Information

**Well ID Number:** MW08A
**Organic CLP ID #:** YOT86
**Inorganic CLP ID #:** MYOT64, MYOT65

Initial Depth to Water (feet): 30.07
PID Reading: 2.0

Final Depth to Water (feet): 29.96

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1020 | 0.1 | 6.92 | 1975 | — | 3.30 | 19.7 | 119 | clear | 29.99 |
| 1023 | 0.3 | 6.91 | 1983 | — | 3.20 | 20.4 | 118 | clear | 29.98 |
| 1026 | 0.8 | 6.90 | 1980 | — | 3.06 | 20.8 | 117 | clear | 29.98 |
| 1029 | 1.2 | 6.90 | 1982 | — | 2.93 | 21.1 | 117 | clear | 29.98 |
| 1032 | 1.7 | 6.90 | 1939 | — | 2.87 | 21.1 | 117 | clear | 29.97 |
| 1035 | 2.0 | 6.90 | 1985 | — | 2.87 | 21.2 | 117 | clear | 29.97 |
| 1038 | 2.1 | 6.90 | 1983 | — | 2.89 | 21.0 | 117 | clear | 29.97 |
| 1041 | 2.2 | 6.90 | 1934 | — | 2.66 | 20.9 | 117 | clear | 29.97 |
| 1044 | 2.8 | 6.90 | 1984 | — | 2.67 | 20.7 | 120 | clear | 29.97 |
| 1047 | 3.0 | 6.89 | 1985 | — | 2.84 | 20.8 | 121 | clear | 29.97 |
| 1050 | 3.2 | 6.89 | 1989 | — | 2.83 | 20.8 | 121 | clear | 29.96 |

Sample Number: GW103-MW08A-0040
Sample Time: 1100

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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: 2/25/03
Weather Conditions: Cloudy, cold, rainy
Time: 0815
Well Sampled By: AC & GZ

General Information

**Well ID Number:** MW08B
**Organic CLP ID #:** YOTQ7
**Inorganic CLP ID #:** MYOT66, MYOT67
Initial Depth to Water (feet): 30.78
Final Depth to Water (feet): 29.85
PID Reading: 1.9

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 0830 | 0.1 | 7.10 | 1780 | — | 4.86 | 18.8 | 134 | clear | 29.90 |
| 0833 | 0.5 | 7.03 | 1830 | — | 5.03 | 19.4 | 141 | clear | 29.90 |
| 0837 | 0.8 | 7.01 | 1850 | — | 5.48 | 19.7 | 149 | clear | 29.90 |
| 0840 | 1.0 | 7.01 | 1856 | — | 5.07 | 19.7 | 152 | clear | 29.90 |
| 0843 | 1.1 | 7.00 | 1857 | — | 5.05 | 19.8 | 153 | clear | 29.90 |
| 0846 | 1.3 | 7.00 | 1851 | — | 4.86 | 19.9 | 156 | clear | 29.90 |
| 0849 | 1.5 | 7.00 | 1855 | — | 5.47 | 20.0 | 157 | clear | 29.90 |
| 0852 | 1.8 | 7.00 | 1854 | — | 5.26 | 20.2 | 157 | " | 29.90 |
| 0855 | 2.0 | 7.00 | 1817 | — | 5.31 | 20.1 | 159 | clear | 29.90 |
| 0858 | 2.1 | 7.00 | 1820 | — | 5.27 | 20.2 | 159 | clear | 29.90 |
| 0901 | 2.2 | 7.00 | 1825 | — | 5.21 | 20.2 | 160 | clear | 29.90 |

Sample Number: GW103-MW08B-0070
Sample Time: 0910
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: 0915
Trip Blank Number: GW103 MW08B-2005
**Organic CLP ID #:** YOTQ8

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074515.009033 1
Weather Conditions: Cloudy, cold
Well Sampled By: AC & GZ

Date: 2/25/03
Time: 0915

General Information

**Well ID Number:** MW08C
**Organic CLP ID #:** YOTQ9
**Inorganic CLP ID #:** MYOT68, MYOT69

Initial Depth to Water (feet): 30.78
PID Reading: 11

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.) |
|---|---|---|---|---|---|---|---|---|---|
| 0920 | 0.1 | 7.06 | 1806 | — | 4.46 | 18.3 | -41 | clear/$H_2S$ odor | 30.80 |
| 0923 | 0.2 | 7.08 | 1799 | — | 3.61 | 18.7 | -13 | " " | 30.80 |
| 0926 | 0.3 | 7.09 | 1785 | — | 2.65 | 19.7 | 7 | " " | 30.60 |
| 0929 | 0.5 | 7.07 | 1776 | — | 1.97 | 20.2 | 26 | " " | 30.61 |
| 0932 | 0.8 | 7.04 | 1775 | — | 1.50 | 20.3 | 53 | " " | 30.61 |
| 0935 | 1.0 | 7.02 | 1771 | — | 1.47 | 20.6 | 83 | " " | 30.65 |
| 0938 | 1.2 | 7.02 | 1775 | — | 1.65 | 20.6 | 91 | " " | 30.65 |
| 0941 | 1.4 | 7.02 | 1774 | — | 1.95 | 20.6 | 96 | " " | 30.61 |
| 0944 | 1.6 | 7.02 | 1768 | — | 2.16 | 20.8 | 100 | " " | 30.65 |
| 0947 | 1.8 | 7.02 | 1768 | — | 2.40 | 20.9 | 102 | " " | 30.65 |
| 0950 | 2.0 | 7.02 | 1770 | — | 2.50 | 20.8 | 105 | " " | 30.61 |

Sample Number: GW103-MW08C-0087
Sample Time: 1000

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs
Work Order Number: 20074.55 009.0331
Date: 2/25/03
Weather Conditions: Cloudy, cold, rainy
Time: 1105
Well Sampled By: ACB62

General Information

**Well ID Number:** MW08D
**Organic CLP ID #:** YOTRØ
**Inorganic CLP ID #:** MYOTHØ, MYOTH1
Initial Depth to Water (feet): 34.47
Final Depth to Water (feet): 34.26
PID Reading: 1.1

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| ~~09~~ 1108 | 0.1 | 7.47 | 1140 | — | 2.30 | 19.3 | 115 | clear | 34.25 |
| 1111 | 0.5 | 7.46 | 1219 | — | 1.69 | 19.6 | 112 | clear | 34.25 |
| 1114 | 0.8 | 7.40 | 1286 | — | 1.16 | 20.0 | 109 | clear | 34.25 |
| 1117 | 1.1 | 7.38 | 1290 | — | 0.80 | 20.3 | 106 | clear | 34.25 |
| 1120 | 1.3 | 7.38 | 1294 | — | 0.74 | 20.3 | 105 | clear | 34.25 |
| 1123 | 1.5 | 7.38 | 1290 | — | 0.67 | 20.5 | 104 | clear | 34.25 |
| 1126 | 1.7 | 7.38 | 1290 | — | 0.65 | 20.6 | 104 | clear | 34.25 |
| 1129 | 1.9 | 7.37 | 1291 | — | 0.63 | 20.6 | 104 | clear | 34.25 |
| 1132 | 2.1 | 7.37 | 1291 | — | 0.63 | 20.7 | 103 | clear | 34.25 |
| 1135 | 2.3 | 7.37 | 1288 | — | 0.64 | 20.8 | 103 | clear | 34.25 |
| 1138 | 2.5 | 7.37 | 1286 | — | 0.64 | 20.9 | 103 | clear | 34.25 |

Sample Number: GW103-MW08D-0116
Sample Time: 1200
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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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
Weather Conditions: Cloudy, cool
Well Sampled By: AC & GZ

Date: 2/26/03
Time: 1445

General Information

**Well ID Number:** MW09A
**Organic CLP ID #:** YOTR1
**Inorganic CLP ID #:** MYOTH2, MYOTH3
Initial Depth to Water (feet): 28.82
Final Depth to Water (feet): 29.60
PID Reading: 105

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1500 | 0.1 | 6.82 | 1967 | — | 3.26 | 20.7 | 123 | Clear | 28.9 |
| 1503 | 0.2 | 6.82 | 1964 | — | 2.97 | 20.5 | 121 | Clear | 28.9 |
| 1506 | 0.3 | 6.81 | 1968 | — | 2.71 | 20.6 | 121 | Clear | 28.9 |
| 1509 | 0.7 | 6.80 | 1962 | — | 1.56 | 21.2 | 116 | Clear | 29.05 |
| 1512 | 0.8 | 6.81 | 1951 | — | 1.39 | 20.9 | 114 | Clear | 29.10 |
| 1515 | 1.0 | 6.80 | 1943 | — | 0.99 | 21.0 | 112 | Clear | 29.30 |
| 1518 | 1.2 | 6.80 | 1935 | — | 0.90 | 20.8 | 110 | Clear | 29.30 |
| 1521 | 1.5 | 6.80 | 1929 | — | 0.90 | 20.8 | 109 | Clear | 29.30 |
| 1524 | 1.6 | 6.80 | 1927 | — | 0.93 | 20.8 | 108 | Clear | 29.30 |
| 1527 | 1.7 | 6.80 | 1920 | — | 0.94 | 20.7 | 108 | Clear | 29.30 |
| 1530 | 1.8 | 6.80 | 1912 | — | 0.97 | 20.4 | 108 | Clear | 29.30 |

Sample Number: GW103-MW09A-0032
Sample Time: 1540

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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: 2/26/03

Weather Conditions: Cloudy, cold

Time: 1135

Well Sampled By: AC & GZ

General Information

**Well ID Number:** MW09B

**Organic CLP ID #:** YOJR3

**Inorganic CLP ID #:** MYOTH4, MYOTH5

Initial Depth to Water (feet): 32 37

Final Depth to Water (feet): 32.10

PID Reading: 6.0

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1140 | 0.1 | 7.0 | 1739 | — | 4.25 | 21.4 | 143 | Clear | 32.10 |
| 1143 | 0.2 | 7.0 | 1738 | — | 4.35 | 21.4 | 144 | Clear | 32.10 |
| 1146 | 0.3 | 6.97 | 1794 | — | 5.18 | 20.1 | 140 | Clear | 32.10 |
| 1149 | 0.5 | 6.95 | 1811 | — | 4.86 | 20.5 | 143 | Clear | 32.10 |
| 1152 | 0.9 | 6.95 | 1815 | — | 5.41 | 20.6 | 146 | Clear | 32.10 |
| 1155 | 1.1 | 6.95 | 1816 | — | 5.23 | 20.6 | 149 | Clear | 32.10 |
| 1158 | 1.6 | 6.95 | 1818 | — | 5.13 | 20.5 | 150 | Clear | 32.10 |
| 1201 | 1.9 | 6.95 | 1816 | — | 4.89 | 20.6 | 151 | Clear | 32.10 |
| 1204 | 2.1 | 6.95 | 1815 | — | 4.84 | 20.7 | 150 | Clear | 32.10 |
| 1207 | 2.3 | 6.95 | 1816 | — | 4.91 | 20.6 | 150 | Clear | 32.10 |
| 1210 | 2.5 | 6.95 | 1813 | — | 4.93 | 20.6 | 151 | Clear | 32.10 |

$H_2$ odo

Sample Number: GW103-MW09B-0054

Sample Time: 1215

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓

**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Locations. Whitter and Santa Fe Springs
Work Order Number: 20074.5155.009.0331
Weather Conditions. Cloudy, cool
Well Sampled By: GZ EAC

Date. 2/26/03
Time: 1000

General Information

**Well ID Number:** MW01A
**Organic CLP ID #:** YOTPO
**Inorganic CLP ID #:** MYOTE0, MYOTE1

Initial Depth to Water (feet): 34.68
Final Depth to Water (feet): 34.57
PID Reading 3.5

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 1007 | 0.1 | 6.97 | 1135 | — | 5.71 | 20.9 | 144 | clear | 34.59 |
| 1010 | 0.3 | 6.95 | 1189 | — | 5.64 | 21.3 | 149 | clear | 34.57 |
| 1013 | 0.7 | 6.95 | 1201 | — | 5.53 | 21.5 | 154 | clear | 34.57 |
| 1016 | 1.0 | 6.95 | 1203 | — | 5.52 | 21.5 | 157 | clear | 34.57 |
| 1019 | 1.2 | 6.95 | 1203 | — | 5.54 | 21.5 | 160 | clear | 34.57 |
| 1022 | 1.6 | 6.95 | 1202 | — | 5.40 | 21.4 | 160 | clear | 34.57 |
| 1025 | 1.9 | 6.95 | 1201 | — | 5.41 | 21.4 | 160 | clear | 34.57 |
| 1028 | 2.1 | 6.95 | 1202 | — | 5.35 | 21.5 | 160 | clear | 34.57 |
| 1031 | 2.3 | 6.95 | 1202 | — | 5.32 | 21.5 | 160 | clear | 34.57 |
| 1034 | 2.5 | 6.94 | 1202 | — | 5.19 | 21.3 | 160 | clear | 34.57 |
| 1037 | 2.8 | 6.94 | 1202 | — | 5.10 | 21.3 | 159 | clear | 34.57 |

Sample Number: GW103-MW01A-0055
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: 1050
Trip Blank Number: GW103-MW00A-2006
**Organic CLP ID #:** YOTP1

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Location: Whitter and Santa Fe Springs
Work Order Number: 2007.4.515.009.0331
Weather Conditions: Cloudy, cool
Well Sampled By: AC, GZ

Date: 2/26/03
Time: 0840

General Information

**Well ID Number:** MW01B
**Organic CLP ID #:** YOTP2
**Inorganic CLP ID #:** MYOTE2, MYOTE3

Initial Depth to Water (feet): 34.56
PID Reading: 1.8

Final Depth to Water (feet): 34.60

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 0845 | 0.1 | 7.08 | 1140 | — | 1.10 | 21.2 | 127 | clear | 34.55 |
| 0848 | 0.5 | 7.08 | 1142 | — | 0.86 | 21.3 | 127 | clear | 34.55 |
| 0851 | 0.8 | 7.08 | 1141 | — | 0.85 | 21.2 | 126 | clear | 34.55 |
| 0854 | 1.0 | 7.07 | 1140 | — | 0.87 | 21.3 | 125 | clear | 34.50 |
| 0857 | 1.2 | 7.07 | 1146 | — | 0.98 | 21.3 | 124 | clear | 34.50 |
| 0900 | 1.5 | 7.07 | 1140 | — | 1.14 | 21.2 | 123 | clear | 34.50 |
| 0903 | 1.8 | 7.07 | 1142 | — | 1.08 | 21.3 | 123 | clear | 34.50 |
| 0906 | 2.0 | 7.07 | 1143 | — | 1.20 | 21.3 | 122 | clear | 34.50 |
| 0909 | 2.1 | 7.07 | 1144 | — | 1.19 | 21.2 | 122 | clear | 34.50 |
| 0912 | 2.3 | 7.07 | 1146 | — | 1.23 | 21.3 | 122 | clear | 34.50 |
| 0915 | 2.6 | 7.07 | 1144 | — | 1.25 | 21.1 | 121 | clear | 34.50 |

Sample Number: GW103-MW01B-0080
Sample Time: 0915

Field Duplicate: X Yes ___ No
Sample Time: 0920
Field Duplicate Number: GW103-MW01B-1080
**Organic CLP ID #:** YOTP3, **Inorganic CLP ID #:** MYOTE4 MYOTE5
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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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
Weather Conditions: Cloudy, cool
Well Sampled By: ACØ GZ

Date: 3/3/03
Time: 1030

General Information

**Well ID Number:** MW02A
**Organic CLP ID #:** YØTP4
**Inorganic CLP ID #:** MYØTE6, MYØTE7
Initial Depth to Water (feet): ~~28.63~~ 6.2 31.18
PID Reading: ~~4.2~~ 6.2 3.9

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.) |
|---|---|---|---|---|---|---|---|---|---|
| 1040 | 0.1 | 6.45 | 1297 | — | 3.91 | 21.4 | 154 | Clear | 30.85 |
| 1043 | 0.5 | 6.31 | 1433 | — | 1.63 | 21.8 | 166 | Clear | 30.85 |
| 1046 | 1.0 | 6.29 | 1453 | — | 0.22 | 21.9 | 168 | Clear | 30.85 |
| 1049 | 1.5 | 6.31 | 1450 | — | 0.62 | 21.9 | 169 | Clear | 30.85 |
| 1052 | 1.8 | 6.30 | 1451 | — | 0.24 | 21.9 | 170 | Clear | 30.85 |
| 1055 | 2.2 | 6.28 | 1451 | — | 0.23 | 21.9 | 171 | Clear | 30.85 |
| 1058 | 2.6 | 6.30 | 1453 | — | 0.25 | 21.9 | 172 | Clear | 30.85 |
| 1101 | 3.0 | 6.28 | 1453 | — | 0.81 | 22.0 | 172 | Clear | 30.85 |
| 1104 | 3.2 | 6.29 | 1451 | — | 0.81 | 21.9 | 172 | Clear | 30.85 |
| 1107 | 3.5 | 6.29 | 1450 | — | 0.85 | 21.9 | 172 | Clear | 30.85 |
| 1110 | 4.0 | 6.28 | 1451 | — | 0.75 | 22.0 | 172 | Clear | 30.85 |

Sample Number: GW103-MW02A-0055
Sample Time: 1115

Field Duplicate: ____ Yes ____ No
Sample Time: _____
Field Duplicate Number: _____
**Organic CLP ID #:** _____, **Inorganic CLP ID #:** _____
MS/MSD Sample Volume: ____ Yes ____ No
Trip Blank: X Yes ____ No
Sample Time: 1120
Trip Blank Number: GW103-MW02A-2007
**Organic CLP ID #:** YØTP5

**Laboratory Analyses**

(3) 40-mL Glass VOA Vials w/HCl - VOCs
(2) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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

Project Locations: Whitter and Santa Fe Springs
Work Order Number: 20074.515.009.0331
Weather Conditions: Cloudy, cool
Well Sampled By: AC & GZ

Date: 3/3/03
Time: 0920

General Information

**Well ID Number:** MW05A
**Organic CLP ID #:** YØTQ3
**Inorganic CLP ID #:** MYØTF8, MXØTF9

Initial Depth to Water (feet): 28.63
PID Reading: 4.2

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.) |
|---|---|---|---|---|---|---|---|---|---|
| 0927 | 0.1 | 6.41 | 1169 | — | 2.87 | 21.6 | 221 | Clear | 28.35 |
| 0930 | 0.2 | 6.42 | 1408 | — | 1.51 | 21.6 | 204 | Clear | 28.35 |
| 0933 | 1.0 | 6.37 | 1492 | — | 0.93 | 21.8 | 194 | Clear | 28.35 |
| 0936 | 1.3 | 6.38 | 1498 | — | 0.87 | 21.8 | 189 | Clear | 28.35 |
| 0939 | 2.0 | 6.39 | 1499 | — | 0.83 | 21.8 | 185 | Clear | 28.35 |
| 0942 | 2.2 | 6.36 | 1499 | — | 0.86 | 21.8 | 180 | Clear | 28.30 |
| 0945 | 2.7 | 6.35 | 1498 | — | 0.86 | 21.8 | 178 | Clear | 28.30 |
| 0948 | 3.0 | 6.36 | 1497 | — | 0.86 | 21.8 | 176 | Clear | 28.30 |
| 0951 | 3.3 | 6.36 | 1496 | — | 0.90 | 21.8 | 174 | Clear | 28.30 |
| 0954 | 3.5 | 6.35 | 1497 | — | 0.98 | 21.8 | 174 | Clear | 28.30 |
| 0957 | 4.0 | 6.36 | 1497 | — | 0.95 | 21.8 | 173 | Clear | 28.30 |

Sample Number: GW103-MW05A-0049
Sample Time: 1005

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(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)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

**Field pH Verification:**

**Metals** ✓, **Total CN-** ✓
**Nitrite/Nitrate as N** ✓, **Sulfide** ✓

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: 3/3/03

Weather Conditions: Cloudy, cool

Time: 0800

Well Sampled By: AC & GZ

General Information

**Well ID Number:** MW06A

**Organic CLP ID #:** YØTQ4

**Inorganic CLP ID #:** MYØTG0 , MYØTG1

Initial Depth to Water (feet): 28.59

Final Depth to Water (feet): 28.15

PID Reading: 0.1

Purging Field Parameters

| Time | Volume (gal.) | pH | Conductivity (µS/cm) | Turbidity (NTU) | DO (mg/L) | Temperature (°C) | ORP | Water Quality | Water Level (ft.) |
|---|---|---|---|---|---|---|---|---|---|
| 0800 | 0.1 | 6.59 | 1745 | — | 5.51 | 19.8 | 198 | Clear | 28.20 |
| 0803 | 0.2 | 6.49 | 1813 | — | 4.96 | 20.4 | 200 | clear | 28.20 |
| 0806 | 0.3 | 6.47 | 1828 | — | 4.95 | 21.1 | 202 | Clear | 28.20 |
| 0809 | 1.0 | 6.47 | 1854 | — | 4.32 | 20.9 | 205 | Clear | 28.20 |
| 0812 | 1.1 | 6.49 | 1848 | — | 4.15 | 20.0 | 202 | Clear | 28.20 |
| 0815 | 1.2 | 6.43 | 1851 | — | 3.89 | 19.1 | 199 | Clear | 28.20 |
| 0818 | 1.3 | 6.41 | 1856 | — | 4.46 | 20.7 | 200 | clear | 28.20 |
| 0821 | 1.7 | 6.37 | 1861 | — | 4.31 | 21.1 | 202 | Clear | 28.20 |
| 0824 | 2.0 | 6.38 | 1863 | — | 4.10 | 21.1 | 202 | Clear | 28.20 |
| 0827 | 2.1 | 6.36 | 1860 | — | 4.06 | 21.2 | 202 | clear | 28.20 |
| 0830 | 2.7 | 6.32 | 1857 | — | 3.89 | 21.2 | 202 | clear | 28.20 |
| 0833 | 2.9 | 6.34 | 1856 | — | 3.88 | 21.2 | 201 | clear | 28.20 |

Sample Number: GW103-MW06A-0042

Sample Time: 0840

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) 40-mL Glass VOA Vials w/$H_3PO_4$ - TOC
(3) 40-mL Glass VOA Vials - Methane, Ethane, Ethene
(2) L-Amber Bottles - 1, 4-Dioxane
(1) L-Polyethylene Bottle w/$H_2SO_4$ - Nitrite/Nitrate as N
(1) L-Polyethylene Bottle w/NaOH + ZnAcetate - Sulfide
(1) L-Polyethylene Bottles w/NaOH - Total Cyanide

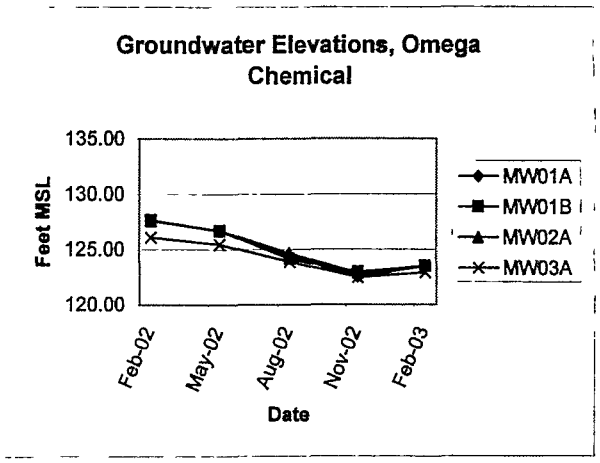
(1) L-Polyethylene Bottle w/$HNO_3$ - Total TAL Metals
(1) L-Polyethylene Bottle w/$HNO_3$ - Dissolved TAL Metals **(Filtered)**
(1) L-Polyethylene Bottle - TDS
(1) 500-mL Polyethylene Bottle - Alkalinity
(1) 250-mL Polyethylene Bottle - Perchlorate
(1) 250-ml Polyethylene Bottle - Anions ($Cl^-$, $SO_4^{2-}$)

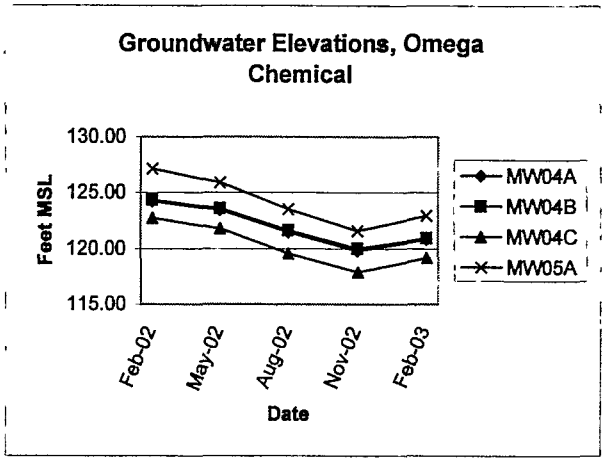
**Field pH Verification:**

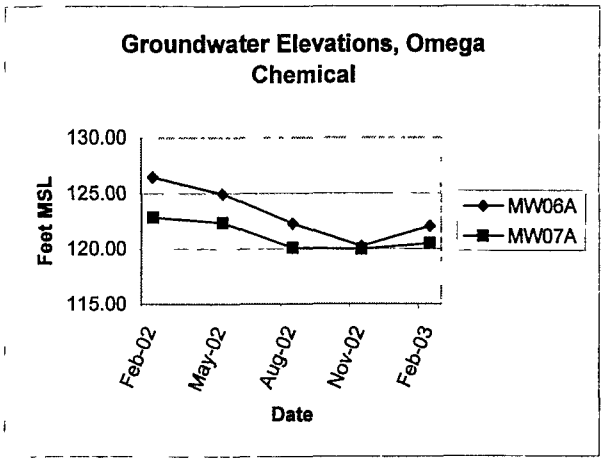
**Metals** ✓ , **Total CN-** ✓

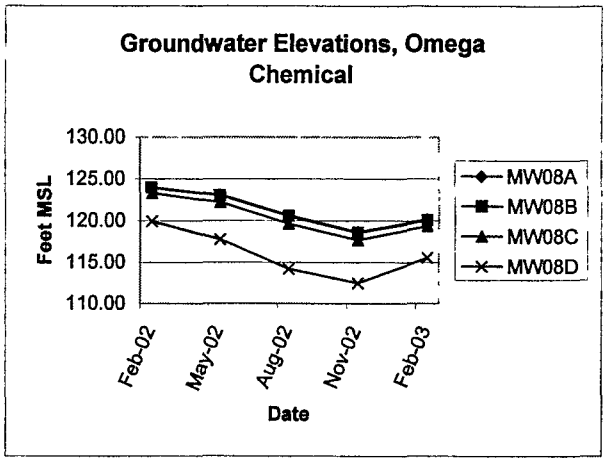
**Nitrite/Nitrate as N** ✓ , **Sulfide** ✓

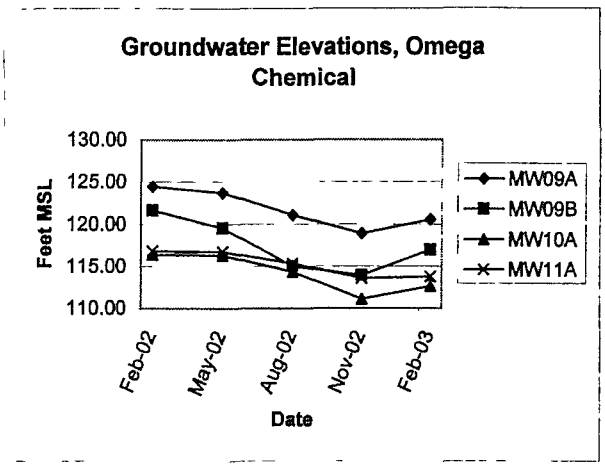
# APPENDIX F
# GROUNDWATER ELEVATION TREND CHARTS

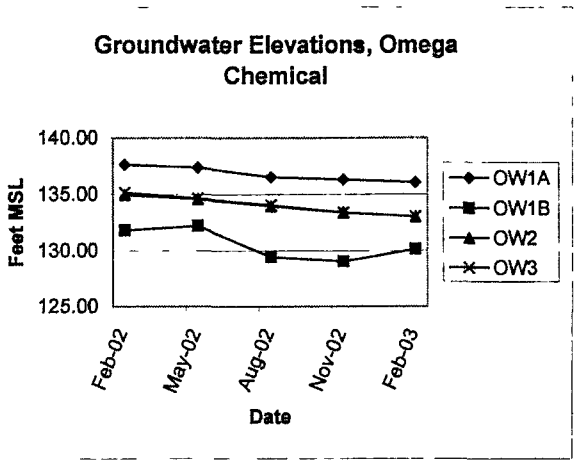

Groundwater Elevations, Omega Chemical
135.00
130.00
125.00
120.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Date
MW01A
MW01B
MW02A
MW03A

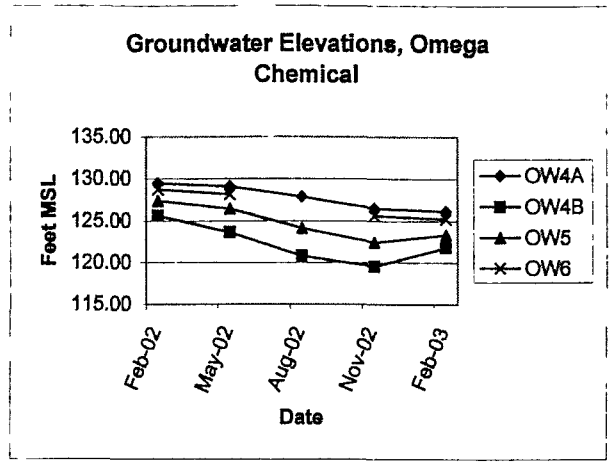

Groundwater Elevations, Omega Chemical
130.00
125.00
120.00
115.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Date
MW04A
MW04B
MW04C
MW05A

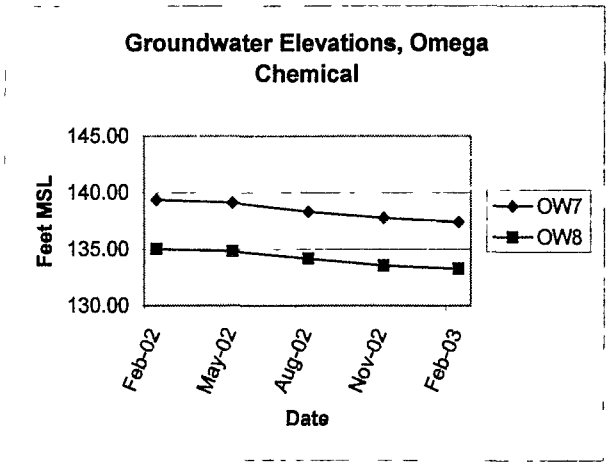

Groundwater Elevations, Omega Chemical
130.00
125.00
120.00
115.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Date
MW06A
MW07A


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
Date
MW08A
MW08B
MW08C
MW08D

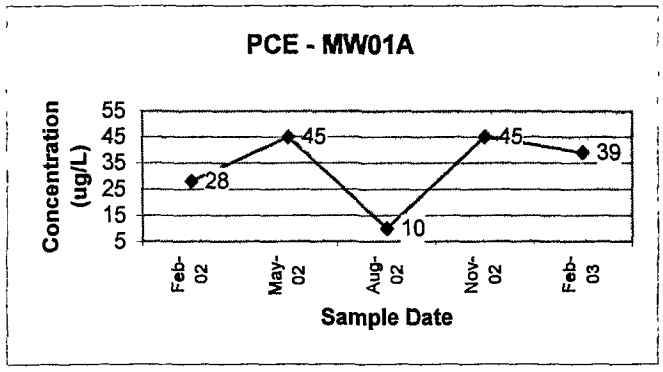

Groundwater Elevations, Omega Chemical
130.00
125.00
120.00
115.00
110.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Date
MW09A
MW09B
MW10A
MW11A

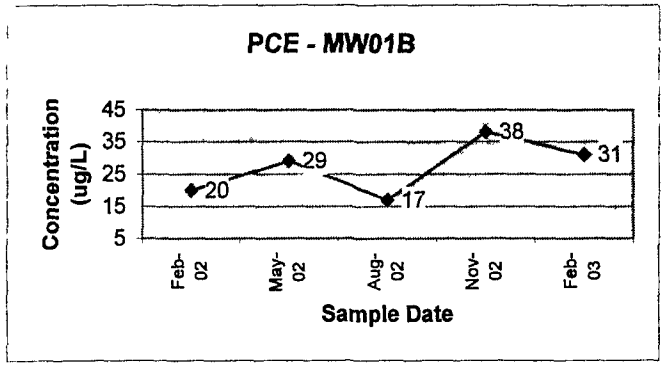

Groundwater Elevations, Omega Chemical
140.00
135.00
130.00
125.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Date
OW1A
OW1B
OW2
OW3

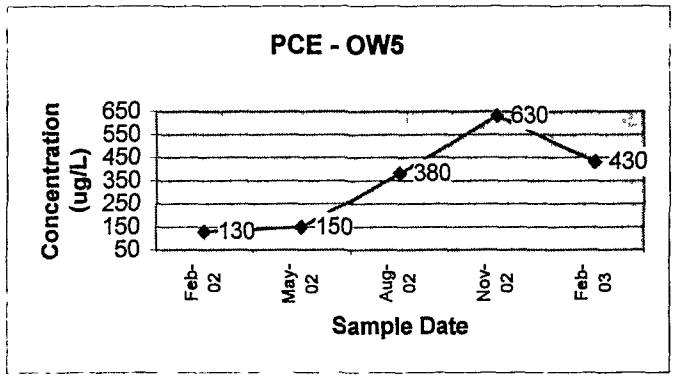

Groundwater Elevations, Omega Chemical
135.00
130.00
125.00
120.00
115.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Date
OW4A
OW4B
OW5
OW6

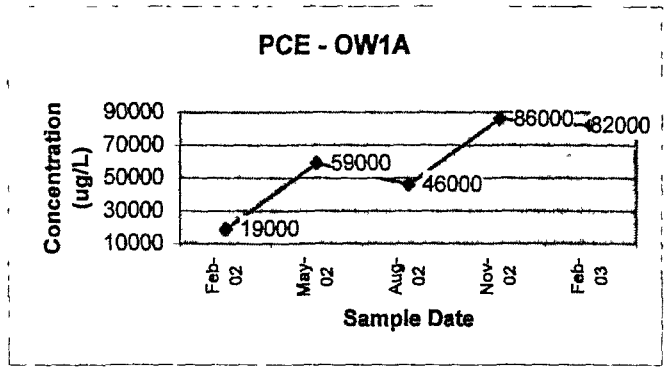

Groundwater Elevations, Omega Chemical
145.00
140.00
135.00
130.00
Feet MSL
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Date
OW7
OW8

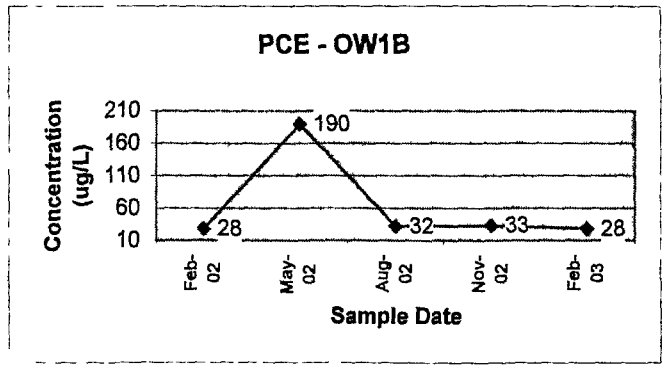
# APPENDIX G
# PCE AND TCE CONCENTRATION TREND CHARTS

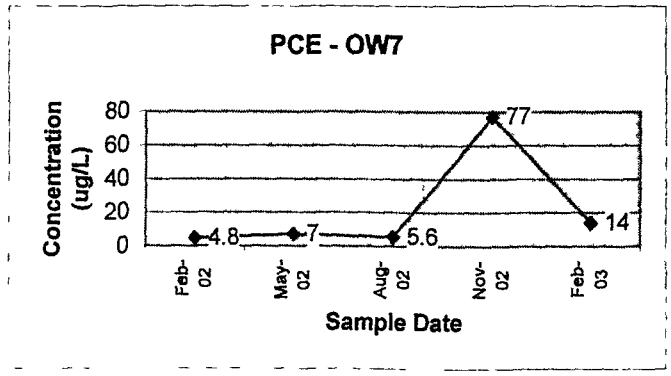

PCE - MW01A
Concentration (ug/L)
55
45
35
25
15
5
28
45
10
45
39
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

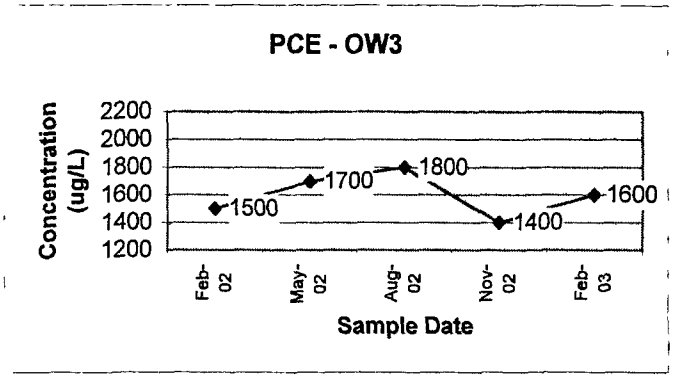

PCE - MW01B
Concentration (ug/L)
45
35
25
15
5
20
29
17
38
31
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

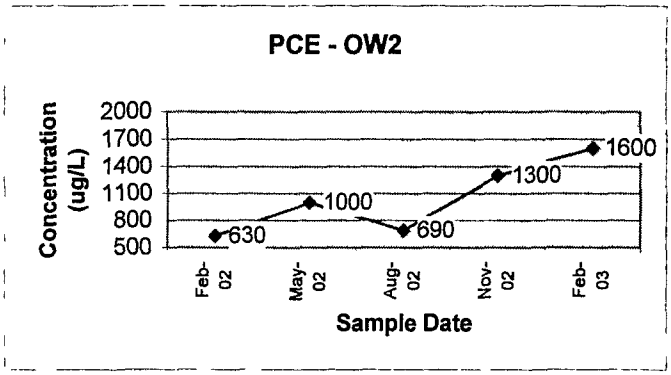

PCE - OW5
Concentration (ug/L)
650
550
450
350
250
150
50
130
150
380
630
430
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

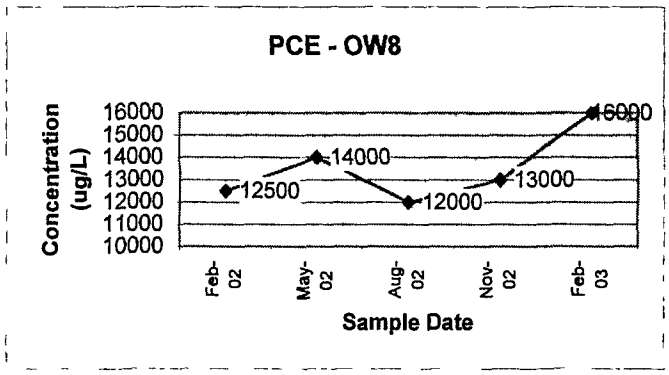

PCE - OW1A
Concentration (ug/L)
90000
70000
50000
30000
10000
19000
59000
46000
86000
82000
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

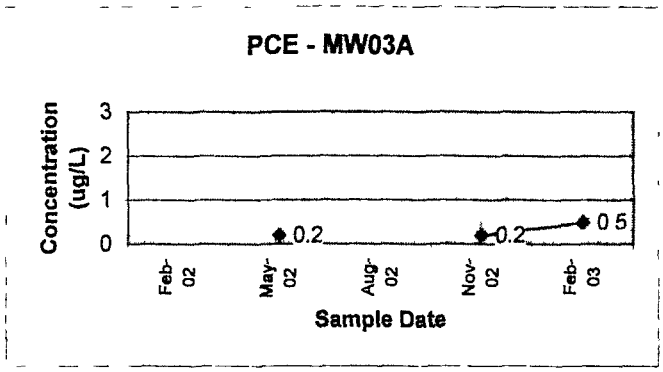

PCE - OW1B
Concentration (ug/L)
210
160
110
60
10
28
190
32
33
28
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

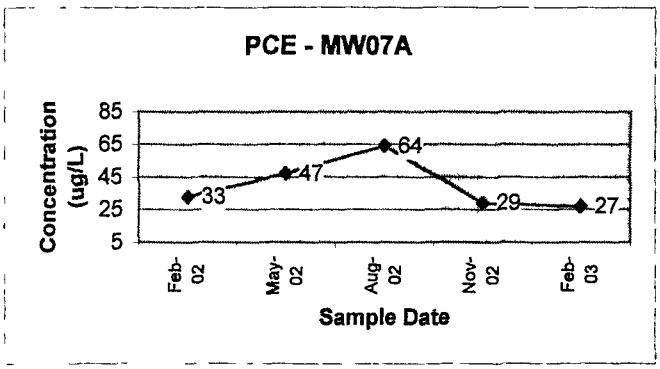

PCE - OW7
Concentration (ug/L)
80
60
40
20
0
4.8
7
5.6
77
14
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

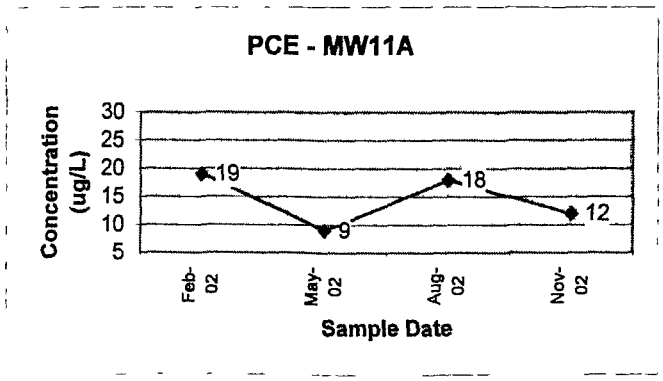

PCE - OW3
Concentration (ug/L)
2200
2000
1800
1600
1400
1200
1500
1700
1800
1400
1600
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

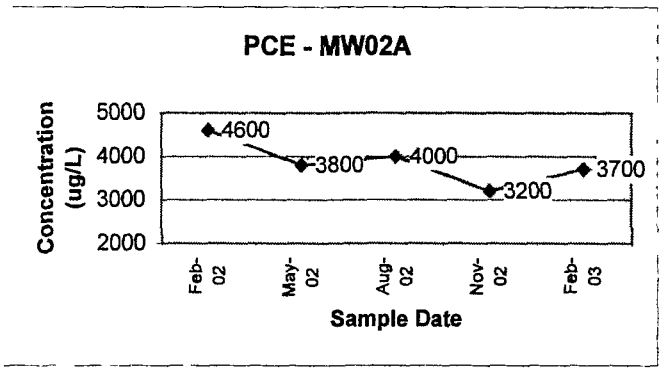

PCE - OW2
Concentration (ug/L)
2000
1700
1400
1100
800
500
630
1000
690
1300
1600
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

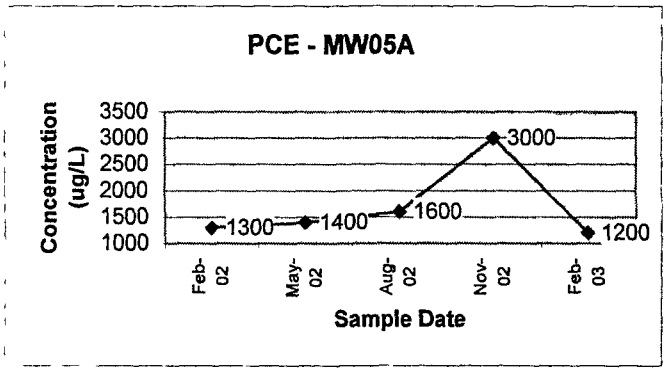

PCE - OW8
Concentration (ug/L)
16000
15000
14000
13000
12000
11000
10000
12500
14000
12000
13000
16000
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

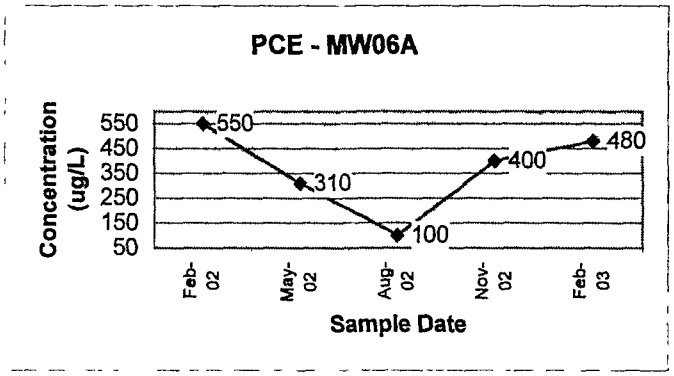

PCE - MW03A
Concentration (ug/L)
3
2
1
0
0.2
0.2
0 5
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

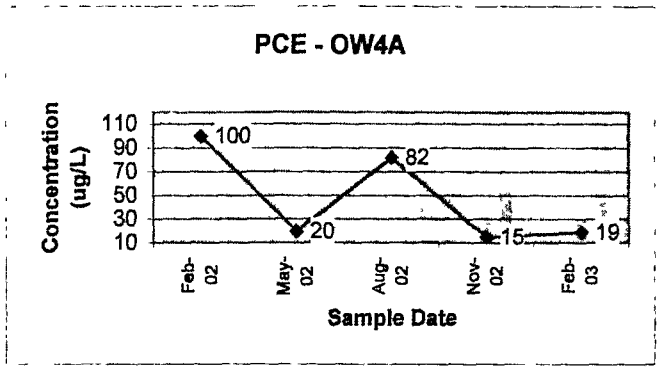

PCE - MW07A
Concentration (ug/L)
85
65
45
25
5
33
47
64
29
27
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

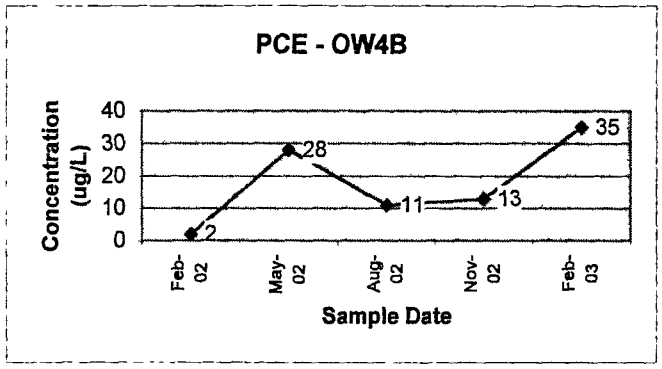

PCE - MW11A
Concentration (ug/L)
30
25
20
15
10
5
19
9
18
12
Feb-02
May-02
Aug-02
Nov-02
Sample Date

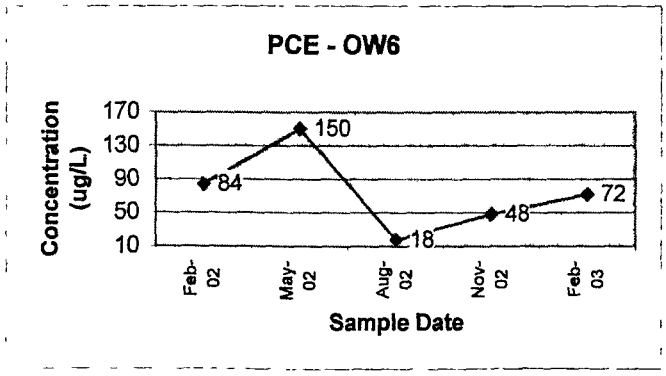

PCE - MW02A
Concentration (ug/L)
5000
4000
3000
2000
4600
3800
4000
3200
3700
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

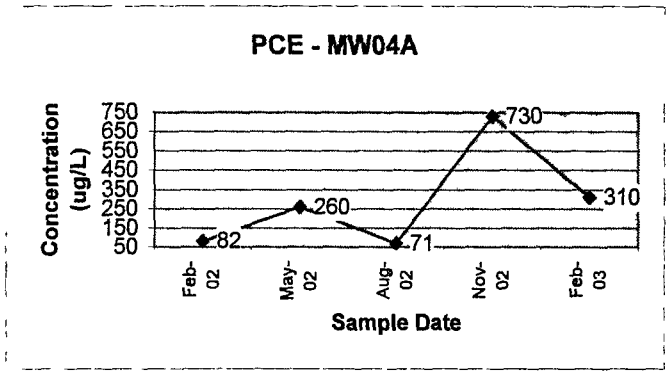

PCE - MW05A
Concentration (ug/L)
3500
3000
2500
2000
1500
1000
1300
1400
1600
3000
1200
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

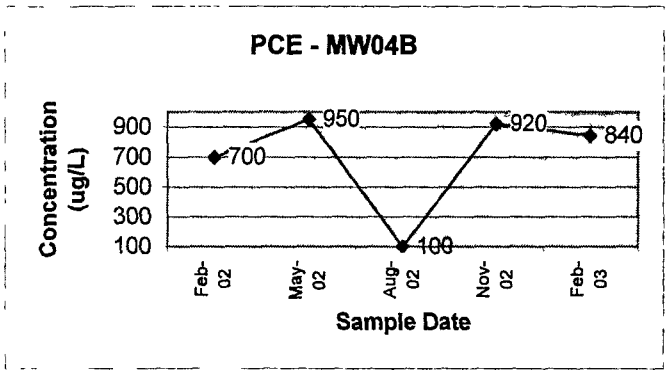

PCE - MW06A
Concentration (ug/L)
550
450
350
250
150
50
550
310
100
400
480
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

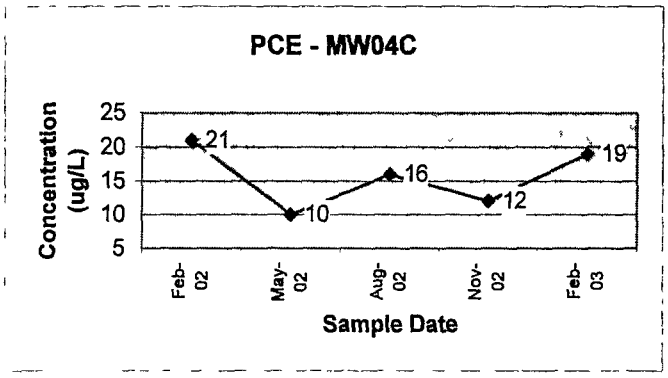

PCE - OW4A
Concentration (ug/L)
110
90
70
50
30
10
100
20
82
15
19
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

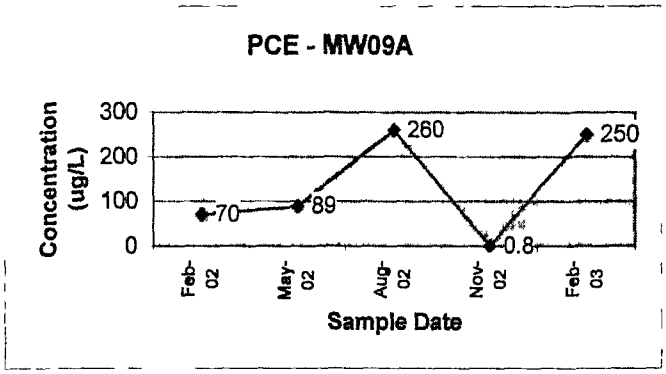

PCE - OW4B
Concentration (ug/L)
40
30
20
10
0
2
28
11
13
35
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

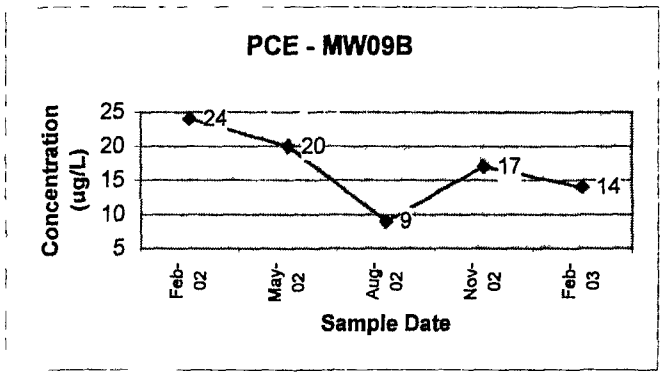

PCE - OW6
Concentration (ug/L)
170
130
90
50
10
84
150
18
48
72
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

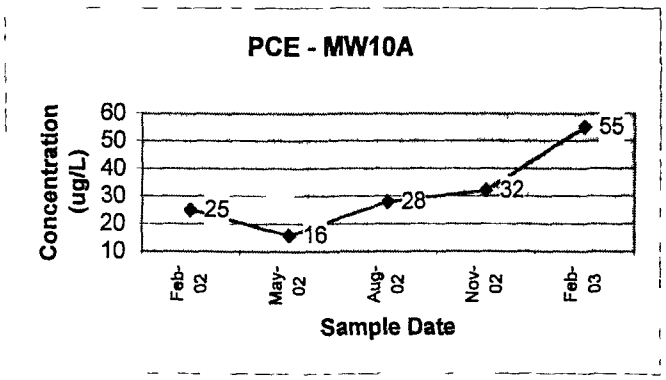

PCE - MW04A
Concentration (ug/L)
750
650
550
450
350
250
150
50
82
260
71
730
310
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

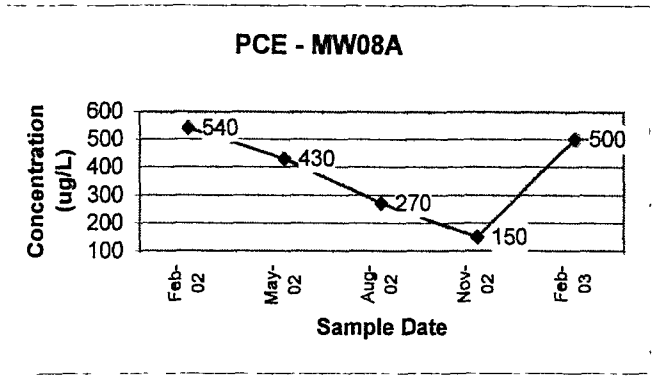

PCE - MW04B
Concentration (ug/L)
900
700
500
300
100
700
950
100
920
840
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

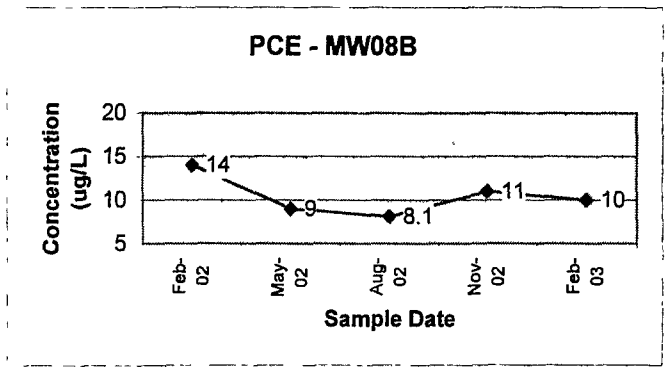

PCE - MW04C
Concentration (ug/L)
25
20
15
10
5
21
10
16
12
19
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

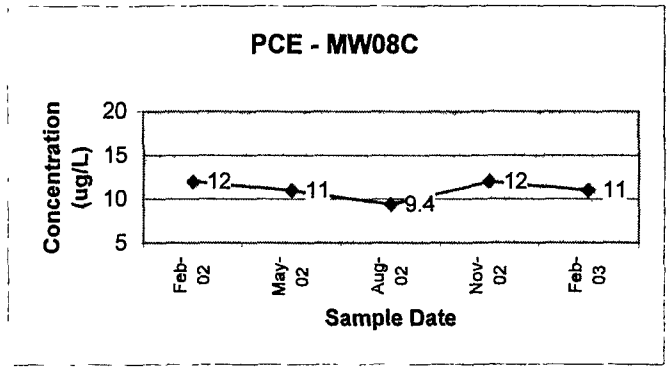

PCE - MW09A
Concentration (ug/L)
300
200
100
0
70
89
260
0.8
250
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

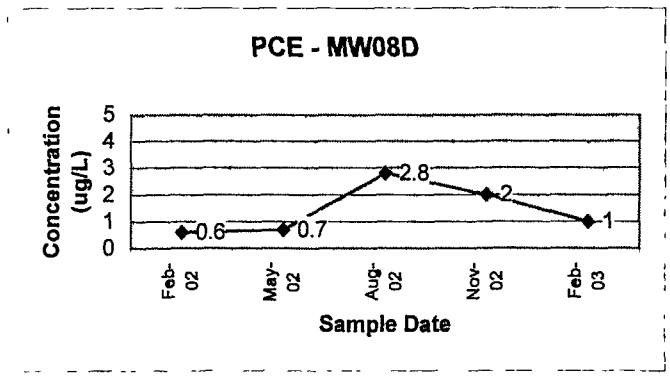

PCE - MW09B
Concentration (ug/L)
25
20
15
10
5
24
20
9
17
14
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

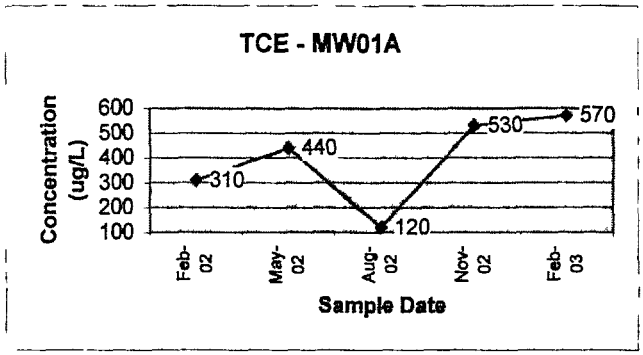

PCE - MW10A
Concentration (ug/L)
60
50
40
30
20
10
25
16
28
32
55
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

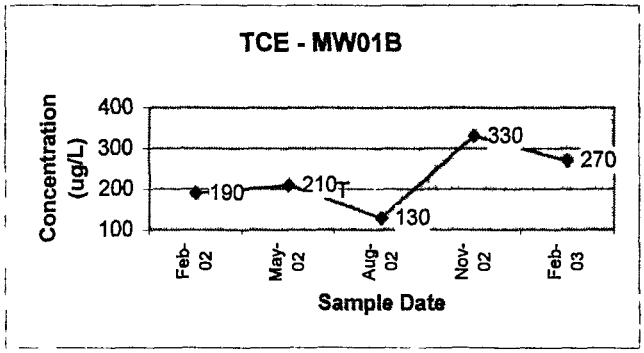

PCE - MW08A
Concentration (ug/L)
600
500
400
300
200
100
540
430
270
150
500
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

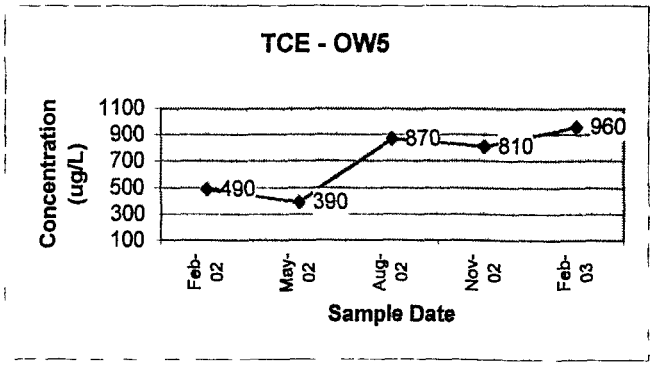

PCE - MW08B
Concentration (ug/L)
20
15
10
5
14
9
8.1
11
10
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

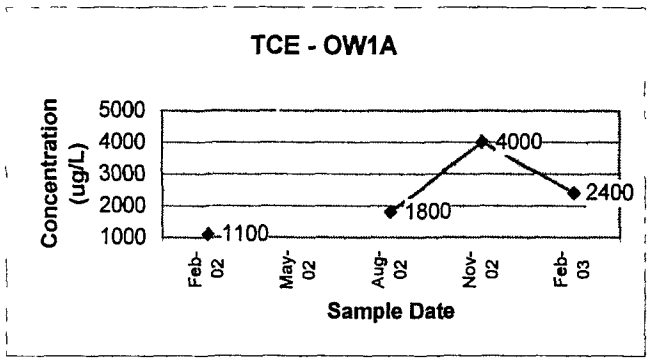

PCE - MW08C
Concentration (ug/L)
20
15
10
5
12
11
9.4
12
11
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

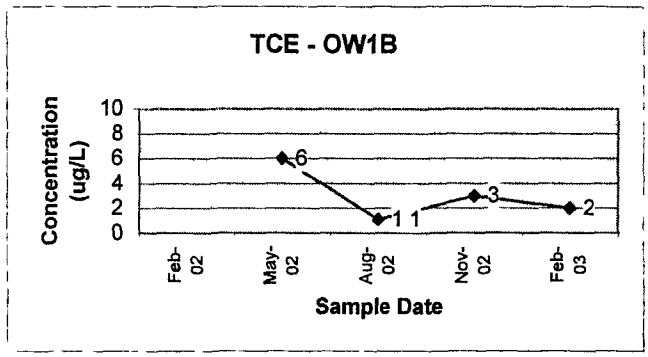

PCE - MW08D
Concentration (ug/L)
5
4
3
2
1
0
0.6
0.7
2.8
2
1
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

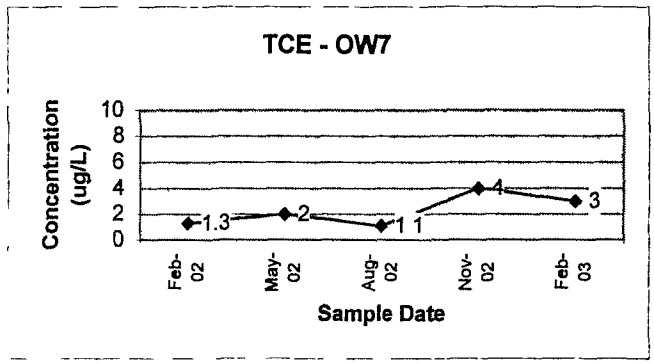

TCE - MW01A
Concentration (ug/L)
600
500
400
300
200
100
310
440
120
530
570
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

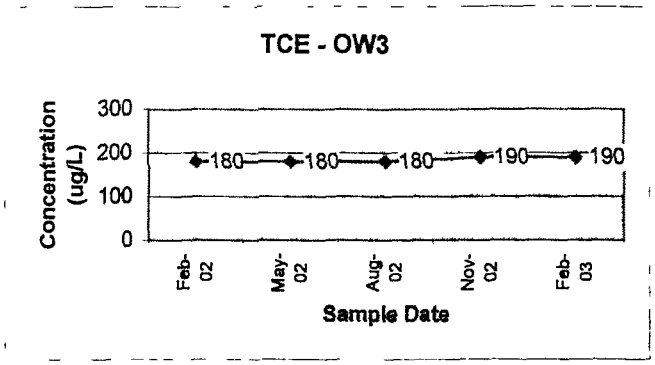

TCE - MW01B
Concentration (ug/L)
400
300
200
100
190
210
130
330
270
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

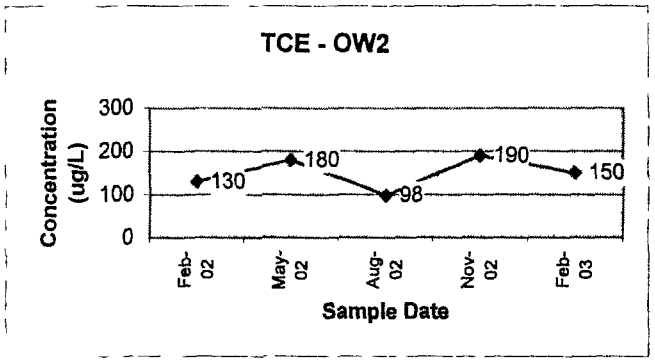

TCE - OW5
Concentration (ug/L)
1100
900
700
500
300
100
490
390
870
810
960
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

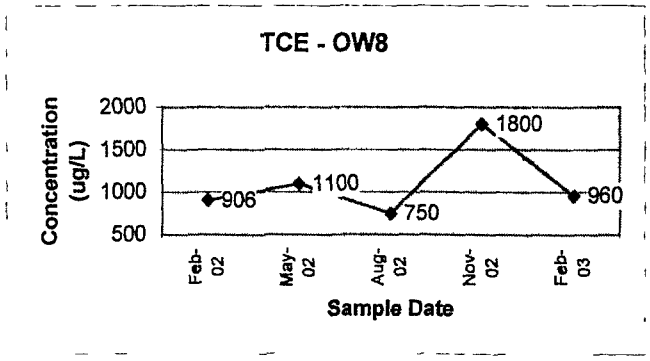

TCE - OW1A
Concentration (ug/L)
5000
4000
3000
2000
1000
1100
1800
4000
2400
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

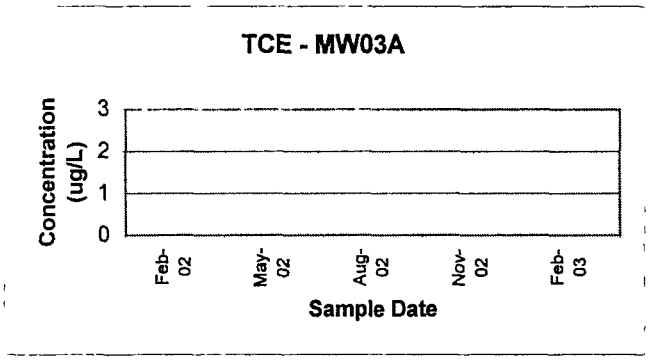

TCE - OW1B
Concentration (ug/L)
10
8
6
4
2
0
6
1
1
3
2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

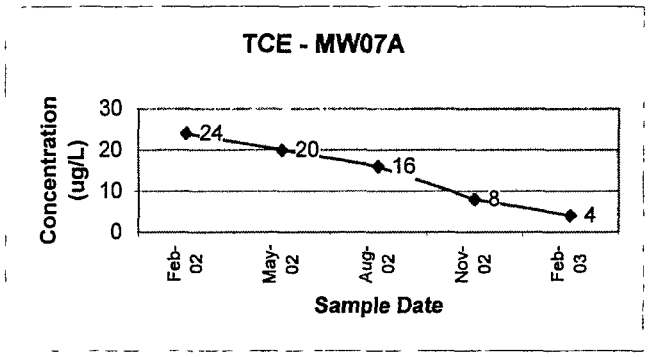

TCE - OW7
Concentration (ug/L)
10
8
6
4
2
0
1.3
2
1
1
4
3
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

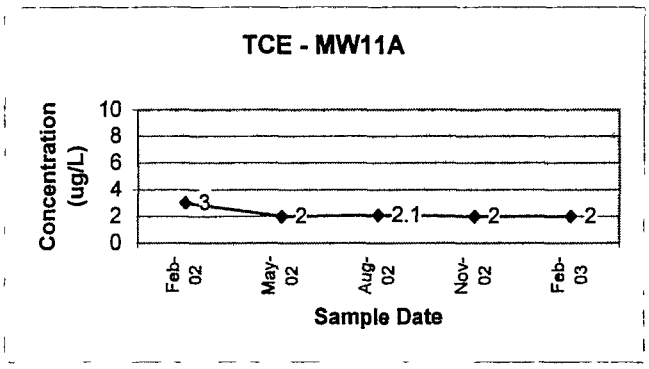

TCE - OW3
Concentration (ug/L)
300
200
100
0
180
180
180
190
190
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

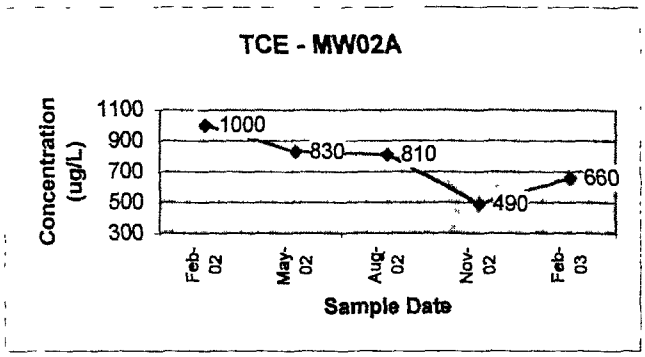

TCE - OW2
Concentration (ug/L)
300
200
100
0
130
180
98
190
150
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

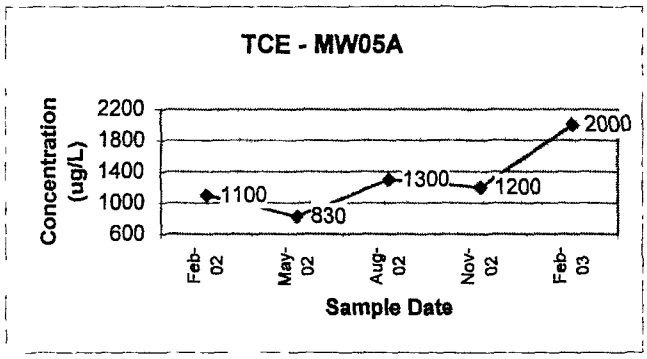

TCE - OW8
Concentration (ug/L)
2000
1500
1000
500
906
1100
750
1800
960
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

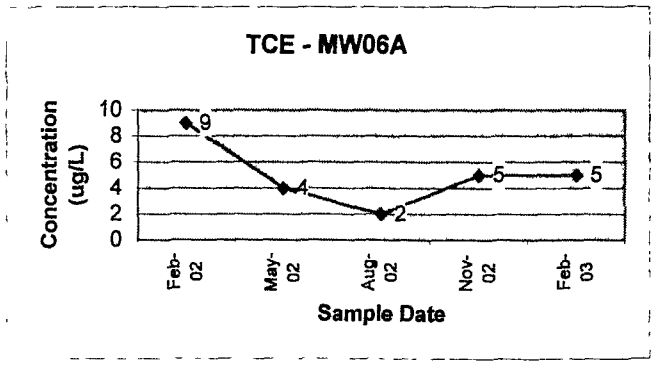

TCE - MW03A
Concentration (ug/L)
3
2
1
0
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

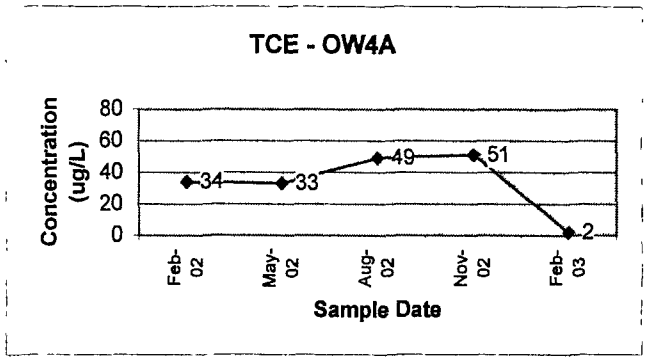

TCE - MW07A
Concentration (ug/L)
30
20
10
0
24
20
16
8
4
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

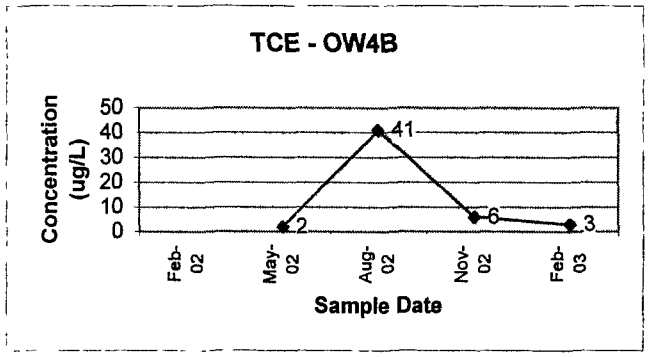

TCE - MW11A
Concentration (ug/L)
10
8
6
4
2
0
3
2
2.1
2
2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

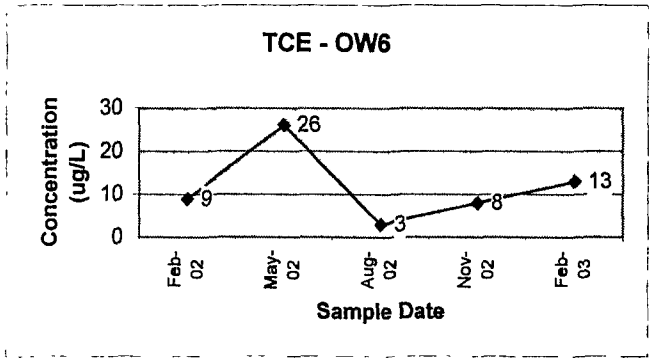

TCE - MW02A
Concentration (ug/L)
1100
900
700
500
300
1000
830
810
490
660
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

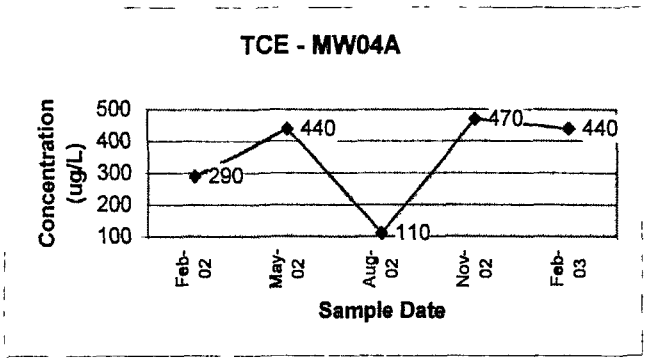

TCE - MW05A
Concentration (ug/L)
2200
1800
1400
1000
600
1100
830
1300
1200
2000
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

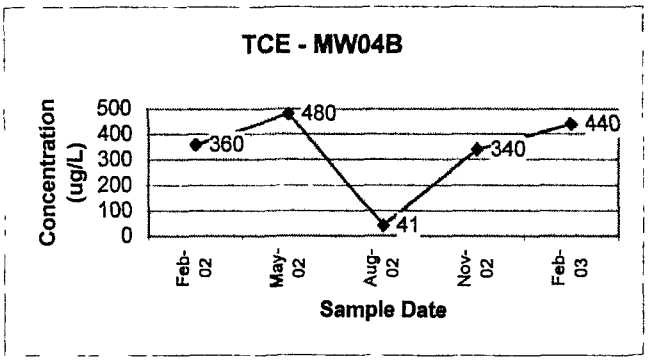

TCE - MW06A
Concentration (ug/L)
10
8
6
4
2
0
9
4
2
5
5
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

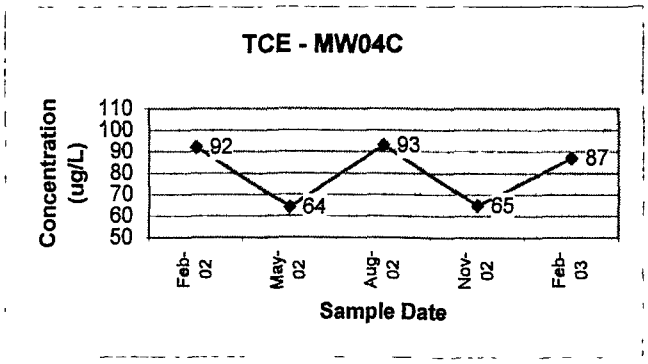

TCE - OW4A
Concentration (ug/L)
80
60
40
20
0
34
33
49
51
2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

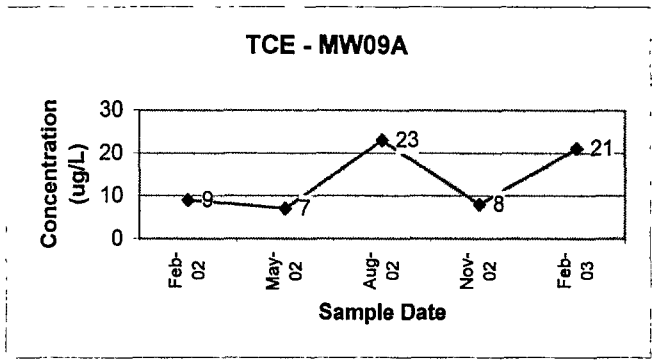

TCE - OW4B
Concentration (ug/L)
50
40
30
20
10
0
2
41
6
3
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

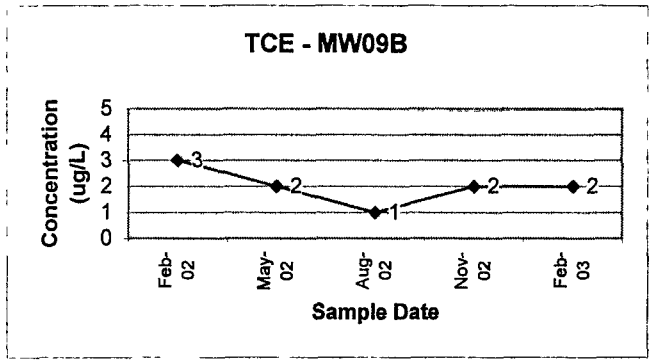

TCE - OW6
Concentration (ug/L)
30
20
10
0
9
26
3
8
13
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

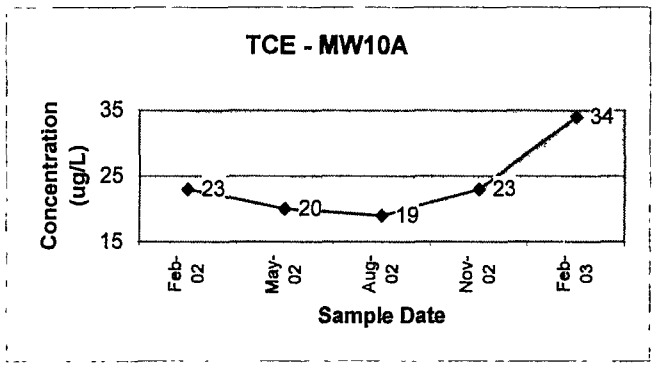

TCE - MW04A
Concentration (ug/L)
500
400
300
200
100
290
440
110
470
440
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

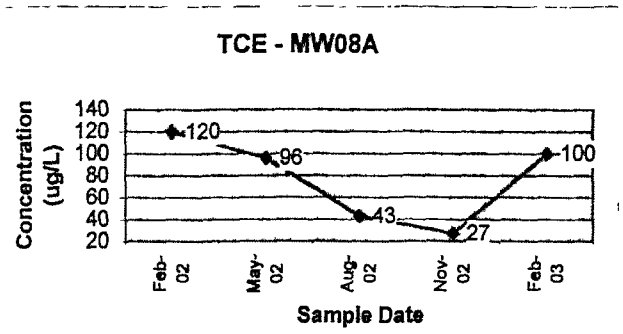

TCE - MW04B
Concentration (ug/L)
500
400
300
200
100
0
360
480
41
340
440
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

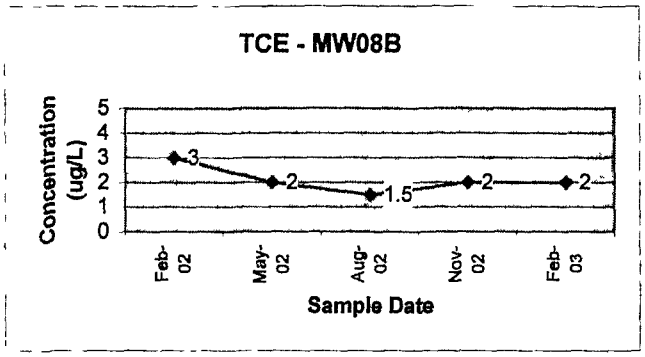

TCE - MW04C
Concentration (ug/L)
110
100
90
80
70
60
50
92
64
93
65
87
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

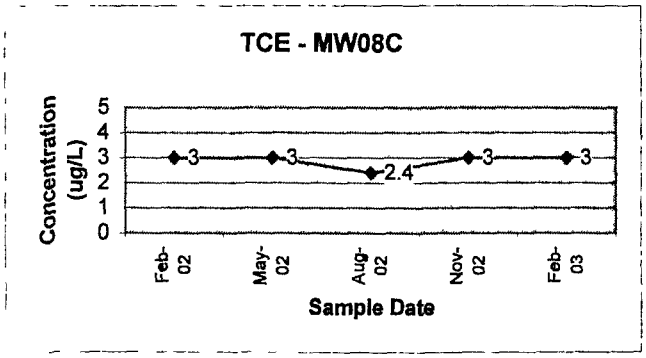

TCE - MW09A
Concentration (ug/L)
30
20
10
0
9
7
23
8
21
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date

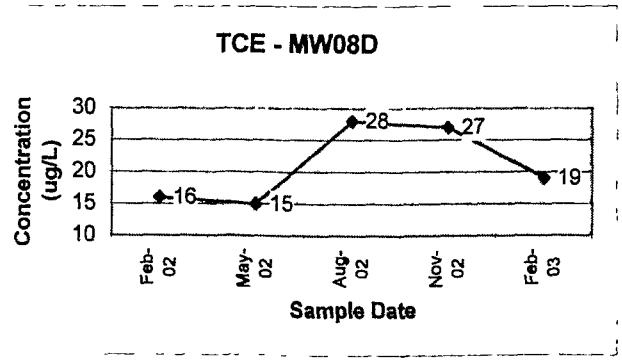

TCE - MW09B
Concentration (ug/L)
5
4
3
2
1
0
3
2
1
2
2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date


TCE - MW10A
Concentration (ug/L)
35
25
15
23
20
19
23
34
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date


TCE - MW08A
Concentration (ug/L)
140
120
100
80
60
40
20
120
96
43
27
100
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date


TCE - MW08B
Concentration (ug/L)
5
4
3
2
1
0
3
2
1.5
2
2
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date


TCE - MW08C
Concentration (ug/L)
5
4
3
2
1
0
3
3
2.4
3
3
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date


TCE - MW08D
Concentration (ug/L)
30
25
20
15
10
16
15
28
27
19
Feb-02
May-02
Aug-02
Nov-02
Feb-03
Sample Date