SEMS-RM DOCID # 2233560

GROUNDWATER MONITORING REPORT FOR 2008 AND 2009
OMEGA CHEMICAL CORPORATION SUPERFUND SITE
OPERABLE UNIT 2

LOS ANGELES COUNTY, CALIFORNIA

EPA CONTRACT NO. EP-S9-08-04
EPA WORK ASSIGNMENT NO. 038-RICO-09BC
CH2M HILL PROJECT NO. 386743

Prepared for
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, California 94105

Prepared by
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3550 Vine Street, Suite 320
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May 2011

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Acronyms and Abbreviations

µg/L	microgram(s) per liter
°C	degree(s) Celsius
1,1,1-TCA	1,1,1-trichloroethane
1,1,2-TCA	1,1,2-trichloroethane
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
1,2,3-TCP	1,2,3-trichloropropane
1,2-DCA	1,2-dichloroethane
AMK	former Angeles Chemical Company and former McKesson Corporation
amsl	above mean sea level
B	(soil) boring
bgs	below ground surface
CDM	Camp Dresser & McKee
CENCO	former CENCO Refinery
cis-1,2-DCE	cis-1-2-dichloroethene
CLP	Contract Laboratory Program
COV	Coefficient of Variation
DO	dissolved oxygen
EPA	United States Environmental Protection Agency
F11	trichlorofluoromethane [Freon 11]
F113	1,1,2-trichloro-1,2,2-trifluoroethane [Freon 113]
F12	dichlorodifluoromethane [Freon 12]
FS	feasibility study
FSP	field sampling plan
ft/ft	foot (feet) per foot
HPLC	high-performance liquid chromatography
J	estimated value
L	liter

LCL	Lower Confidence Limit
MCL	maximum contaminant level
MS	matrix spike
MSD	matrix spike duplicate
MTBE	methyl tertiary butyl ether
MW	EPA monitoring wells
NA	not applicable
NAVD	North American Vertical Datum
ND	non-detect
NDMA	n-nitrosodimethylamine
NE	not established
NTU	nephelometric turbidity unit
OFRP	Oil Field Reclamation Project
Omega	Omega Chemical Corporation
Omega Site	Omega Chemical Corporation Superfund Site
OPOG	Omega Chemical Site PRP Organized Group
ORP	oxidation-reduction potential
OU	operable unit
OW	OPOG monitoring wells
PCE	perchloroethylene (tetrachloroethylene)
PHG	public health goal
PID	photoionization detector
PP	push-probe sampling
PRP	potentially responsible party
PVC	polyvinyl chloride
QA	quality assurance
QAPP	Quality Assurance Project Plan
QC	quality control
RCRA	Resource Conservation and Recovery Act of 1978
RI	remedial investigation
RI/FS	remedial investigation/feasibility study

SAP	sampling and analysis plan
SCH	schedule
SST	stainless steel
TCE	trichloroethene
TOC	top of casing
trans-1,2-DCE	trans-1,2-dichloroethene
UCL	Upper Confidence Limit
VOA	volatile organic analytes
VOC	volatile organic compound
WA	Work Assignment
WDI	Waste Disposal, Inc.

1. Introduction

This groundwater monitoring report has been prepared to support the United States Environmental Protection Agency (EPA) in conducting a remedial investigation/feasibility study (RI/FS) at the Omega Chemical Corporation (Omega) Superfund site (Omega Site), located in Whittier, California (Figure 1-1). The report summarizes the results of the March 2008 (1Q2008), March 2009 (1Q2009), and September 2009 (3Q2009) groundwater sampling events performed by CH2M HILL for Operable Unit (OU) 2 of the Omega Site. In addition, sampling data for OU1 of the Omega Site, and other non-EPA, facility-specific well data for the facilities located with OU2 were included in the analyses conducted to evaluate water level and water quality trends at the Omega Site. This report covers 2 years of groundwater monitoring. EPA performed only one sampling event in 2008 due to funding considerations.

1.1 Background

This section briefly describes the operational history of the Omega facility and the past investigations and remediation activities conducted at the Omega Site. Detailed discussions regarding the Omega Site are provided in the Final RI Report for the site (CH2M HILL, 2010).

Omega is a former refrigerant/solvent recycling operation located in Whittier, California, a community of approximately 85,000 people. The Omega property occupies Los Angeles County Assessor Tract Number 13486 (Lots 3 and 4). It covers an area of approximately 41,000 square feet (200 feet wide by 205 feet long) and contains two structures: a 140-foot by 50-foot warehouse, and an 80-foot by 30-foot administrative building. A loading dock is attached to the rear of the warehouse. The Omega property is paved with concrete and secured with a 7-foot-high perimeter fence topped with razor wire, and locking gate. The facility operated as a Resource Conservation and Recovery Act of 1978(RCRA) solvent and refrigerant recycling and treatment facility from approximately 1976 to 1991, handling primarily chlorinated hydrocarbons and chlorofluorocarbons. Drums and bulk loads of waste solvents and chemicals from various industrial activities were processed at the former Omega facility to form commercial products. Chemical, thermal, and physical treatment processes were reportedly used to recycle the waste materials. Wastes generated from these treatment and recycling activities included distillation column (still) bottoms, aqueous fractions, and nonrecoverable solvents. Prior to constructing the buildings at the Omega property in July 1951, the property was used for agriculture.

The Omega Site was placed on the National Priorities List (NPL) in January 1999. EPA currently manages the Omega Site as three OUs (OU1, OU2, and OU3). OU1 includes the soil and groundwater contamination at the former Omega facility, located at 12504 and 12512 East Whittier Boulevard, and approximately 100 feet west-southwest of Putnam Street.

OU2 generally includes the groundwater-contaminated area that extends from the former Omega facility to approximately 4.5 miles south-southwest of the site. A site map showing the approximate boundaries of OU1 and OU2 is presented in Figure 1-2.

EPA created OU3 to address indoor air impacts at the former Omega property, as well as adjacent and nearby properties where the underlying vadose zone has been affected by contamination derived from the former Omega property.

Groundwater at the Omega Site is found to be primarily affected by volatile organic compounds (VOCs). Chlorinated hydrocarbons (for example, tetrachloroethylene [PCE], trichloroethene [TCE], and others), freons (trichlorofluoromethane [F11] and 1,1,2-trichloro-1,2,2-trifluoroethane [F113]), and emergent compound 1,4-dioxane are among the contaminants with the highest concentrations.

1.2 Monitoring Wells

The groundwater monitoring well network at the Omega Site consists of the monitoring wells installed by EPA and the Omega Site Potentially Responsible Party (PRP) Organized Group (OPOG):

- **OPOG** installed Monitoring Wells OW1 through OW10 at OU1 and OU2. Boring logs, downhole geophysical logs, and well completion diagrams for Wells OW1 to OW8 can be found in the Final RI report (CH2M HILL, 2010). Wells OW9 and OW10 were installed in December 2008 as part of the OU1 interim groundwater extraction system.
- **EPA and another PRP group** installed Monitoring Wells MW1 through MW31. Boring logs, geophysical logs, and well completion diagrams are also included in the Final RI report (CH2M HILL, 2010).

The groundwater monitoring wells installed by Camp Dresser & McKee (CDM) on behalf of OPOG are collectively referred to as "OPOG wells." These wells are sampled by CDM on a biannual basis. When CDM performs this sampling, CH2M HILL collects split samples concurrently on behalf of the EPA.

The EPA monitoring wells are generally located downgradient of OU1. CH2M HILL samples the EPA wells on a biannual basis.

The convention used for the well identifications includes "OW" for the OPOG monitoring wells, a sequential number, and a suffix "A" (shallow well) or "B" (deep well). EPA monitoring wells are designated as "MW" plus a sequential number and a suffix "A" (shallowest well) through "D" (deepest well).

Figure 1-2 is a well location map for all monitoring wells. Well survey and construction information is provided in Table 1-1.

1.3 Report Organization

This report is organized into sections that describe the activities and analytical results of the sampling events stated above. An overview of this document is provided below:

- Section 1 — Introduces the groundwater investigation, including background information, monitoring well information, and report organization.
- Section 2 — Describes the sampling approach and chronology.
- Section 3 — Provides a discussion of the analytical data collected during the OU1 oversight sampling. Also provides a discussion of the water level and analytical data collected at OU2.
- Section 4 — Summary of Findings
- Section 5 —Recommendations
- Section 6 —List of all references.

The appendixes to this document include the following:

A – Monitoring Well Purge Forms (on CD only)
B – Chain-of-Custody Forms (on CD only)
C – Data Needs and Uses (on CD only)
D – OU2 Shallow Groundwater Gradient Calculations
E – VOC Detection Summary: 1Q2008, 1Q2009, and 3Q2009
F – OU1 and OU2 Lab Reports (on CD only)
G – Data Quality Assessment
H – VOC Time Series Plots
I – Statistical Plots

2. Sampling Approach

CH2M HILL collected groundwater samples from the EPA monitoring wells in March 2008, March 2009, and September 2009. An overview of sampling methods and analysis, laboratory assignments, and quality assurance/quality control (QA/QC) is presented in this section. Groundwater samples were collected and analyzed in accordance with the protocols outlined in the field sampling plan (FSP) (CH2M HILL, 2004a and 2004c) and Quality Assurance Project Plan (QAPP) (CH2M HILL, 2004b and 2004d), and the 2006 sampling and analysis plan (SAP) Addendum 1 (CH2M HILL, 2006a and 2006b).

2.1 Sample Collection Methods

The following subsections describe the general sample collection procedures for groundwater sampling at the OU2 monitoring well network. Monitoring well purge forms are provided in Appendix A and chain-of-custody forms in Appendix B.

2.1.1 EPA Well Sampling

EPA monitoring wells are equipped with dedicated pump tubing and bladder pumps to allow sampling using low-flow sampling techniques. During well purging, careful continuous measurements of field parameters including specific conductance, pH, temperature, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity were used to assess when purged water had reached equilibrium. A flow-through cell was used to check that the purge water was continuously monitored. Each well was pumped until the measured field parameters stabilized within 10 percent over three successive readings prior to collecting samples.

If wells do not produce enough water for purging with a pump, the dedicated bladder pump is manually removed from the well, a disposable polyethylene bailer and new polyethylene string is used to collect samples, and the bladder pump is manually lowered down to the same depth in the well. During 2009 first quarter sampling events, Wells MW8A, MW9A, MW11, and MW19 were sampled with bailers, and Wells MW13A, MW16A, and MW17A were not sampled because of dry conditions. During 2009 third quarter sampling events, several wells were either dry or not enough groundwater was present for bailer samplings. These included Wells MW8A, MW9A, MW11, MW13A, MW16A, MW17A, MW19, MW20C, and MW25D.

2.1.2 Field Parameters Measurement

A digital combination conductivity-pH-temperature-DO-ORP meter was used for specific conductance, pH, temperature, DO, and ORP measurements. Turbidity measurements were made with a digital readout turbidity meter (readout in nephelometric turbidity units [NTUs]). A photoionization detector (PID) was used to measure organic vapor measurements (headspace) inside the well immediately after opening the well caps. Equipment used to measure field parameters was maintained and calibrated daily according to the manufacturer's specifications.

2.1.3 Depth to Water Measurement

Depth to groundwater was measured at monitoring wells immediately prior to well purging and sampling activities to establish a static water level. Water levels were measured with a decontaminated electronic water level indicator (sounder) to the nearest 0.01-foot. Water levels were also measured at regular intervals during purging activities to check that a constant drawdown was maintained during pumping. A final water level was recorded after sample collection. The reference point for water level measurement was the top of the casing. For wells with both inner and outer (conductor) casing, the top of the inner casing was used as the reference point.

2.2 Sample Analysis and Laboratory Assignments

Monitoring wells were sampled for VOCs (including methyl tertiary butyl ether [MTBE]) and 1,4-dioxane.

A summary of the above analytical parameters and applicable regulatory limits is provided in the Data Needs and Uses table of the QAPP (CH2M HILL, 2004d), which is also included in Appendix C.

The groundwater samples were analyzed using the EPA-approved methods described in SAP Addendum 1 (CH2M HILL, 2006a and 2006b).

2.3 Quality Assurance/Quality Control

QA/QC samples were collected in accordance with the protocols outlined in the FSP and QAPP. QC samples include ambient blanks, equipment blanks, field duplicates, laboratory QC samples (for matrix spike and matrix spike duplicates [MS/MSDs]), and temperature blanks. Ambient and equipment blanks were analyzed for VOCs and 1,2,3-trichloropropane (1,2,3-TCP). Field duplicates and laboratory QC samples were analyzed for the standard list of parameters as presented in Section 2.2. Twice the normal volume of sample was collected for laboratory QC samples. Equipment blanks were collected only during OPOG well sampling.

Provided below is a brief description of the QA/QC samples collected during this investigation.

- **Ambient Blanks.** Ambient blanks were collected to verify that contamination was not introduced to samples during collection, handling, or shipping. They were prepared by pouring high-performance liquid chromatography (HPLC) water directly into the sample bottles in the field. Ambient blanks were prepared and labeled in the same manner as the field samples and sent "blind" to the laboratory. Ambient blanks were collected at a frequency of 1 in every 10 consecutively collected samples or 1 per week, whichever was greater.
- **Equipment Blanks**. Equipment blanks are collected to verify whether or not contamination was introduced to samples through the repeated use of sampling equipment at different sample locations. One equipment blank per sampling event was collected during biannual sampling of OPOG wells. The OPOG wells have dedicated

pump tubing, but not dedicated pumps. Equipment blanks were prepared by pouring HPLC water directly into the pump inlet, through the pump, and into sample containers. These samples are not included in this report. Equipment blanks are not collected for EPA well sampling.

- **Field Duplicates.** The field duplicate is an independent sample collected as close as possible to the original sample from the same source and is used to document sampling precision. Field duplicates were labeled and packaged in the same manner as other samples so that the laboratory cannot distinguish between samples and duplicates. Each duplicate was taken using the same sampling and preservation method as other samples. An attempt was made to collect duplicate samples from monitoring wells that are known or suspected to contain the chemicals that are being analyzed. Field duplicates were collected at a frequency of 1 in every 10 consecutively collected samples or 1 per week, whichever was greater.

- **Laboratory QC Samples**. Laboratory QC samples were collected to perform MS and MSD analyses. An MS is an aliquot of a sample spiked with a known concentration of target analyte and provides a measure of the method accuracy. The MSD is a laboratory split sample of the MS, and is used to determine the precision of the method. Twice the normal water volume was collected for laboratory QC samples. Laboratory QC samples were collected at a frequency of 1 in every 20 consecutively collected samples or 1 per week, whichever was greater.

- **Temperature Blanks**. Temperature blanks were included with each cooler shipment containing samples sent to the laboratory (regardless of targeted analysis). A temperature blank consists of a VOC sample vial filled in the field with deionized water, handled like an environmental sample, and returned to the laboratory for analysis. The temperature blank provides a means of verifying that samples have been maintained at the proper temperature (4 degrees Celsius [°C]) following collection and during transport to the laboratory.

3. Results and Discussion

3.1 Groundwater Levels

Depth to water measurements were collected during each sampling event to evaluate the direction and gradient of groundwater flow underlying the Omega Site, and to help characterize the interactions between the shallow and deep aquifers. Groundwater elevations were calculated by subtracting the depth to static water level from the surveyed top of casing elevation of the corresponding monitoring wells. Top of casing elevations for EPA wells are consistent with the North American Vertical Datum (NAVD) 1988 (2000 adjusted) datum. The top of well casing elevations for the OPOG wells were increased by 2.2 feet to match the NAVD 1988 (2000 adjusted) datum in this report. The 2.2 feet elevation adjustment resolved the differences in elevations between the EPA and OPOG wells.

It is noted that the water table dropped below the bottoms of some water table wells during each sampling event. Water levels for those dry wells are therefore not available.

Table 3-1 presents historical groundwater elevation data for OPOG and EPA monitoring wells.

3.1.1 Hydrographs

Figure 3-1 presents hydrographs for Omega monitoring wells. As shown in the figures, fluctuations of water levels at OPOG and EPA monitoring wells display a similar pattern over time. Groundwater elevations generally decreased between 2002 and 2004 followed by a fairly quick recovery in the first half of 2005 in response to high precipitation; remained relatively steady during the period of mid-2005 to mid-2007; and declined again after mid-2007. Slightly steeper decreases in groundwater elevations were observed between June 2003 and December 2004 and between mid-2007 and September 2009 at most wells. Figure 3-2 presents annual rainfall in Whittier. The recent (2008-2009) decline in water levels in the monitoring wells coincides with the below-average annual rainfall during this period.

3.1.2 Water Table Contours

Groundwater contour maps were prepared for the three sampling events using the water levels measured at the shallow monitoring wells to show the general groundwater flow regime in the water table aquifer at the Omega Site. Figures 3-3, 3-4, and 3-5 show the water table contours for 1Q2008, 1Q2009 and 3Q2009, respectively. Although the overall groundwater flow direction is to the southwest in the vicinity of the Omega Site, the hydraulic gradient varies slightly with locations. Horizontal gradients were calculated at three selected locations: the upper (between Slauson Avenue and Whittier), middle (between Florence Avenue and Los Nietos Road), and lower (Imperial Hwy and Landland Road) OU2 for the shallow aquifer, and the results are presented on Figures 3-3, 3-4, and 3-5. Calculations of shallow groundwater horizontal gradients are included in Appendix D. Generally, water level measurements from the same set of wells were used to calculate the

horizontal gradients; however, nearby wells were selected to replace dry wells when dry conditions occurred during any sampling events.

Although there were some temporal variations in the calculated horizontal gradients for the upper, middle, and lower OU2 areas, the flow directions in the shallow aquifer at the Omega Site remained relatively constant for the three sampling events.

3.1.3 Vertical Gradients

Vertical gradients were calculated at locations where wells screened in different depth intervals are co-located. The calculations of vertical gradients were conducted for the two sampling events in 2009 (Table 3-2).

In general, a downward gradient (indicated by a positive vertical gradient value) was observed at most of the 32 well screen pairs, with a few exceptions where the water levels at the well screened in the deeper intervals were slightly higher than those screened in the shallow intervals (indicated by negative vertical gradient values). The generally downward gradient is mostly attributed to the areal recharges from precipitation and surface water bodies such as rivers and spreading basins, production pumping from deep aquifers throughout the basin, and the absence of major groundwater pumping in the shallow aquifer at OU2.

The upward gradients calculated for five well screen pairs (Table 3-2) were of small magnitude (thousandths to hundredths of foot per foot [ft/ft]). In comparison, downward gradients greater than 0.1 ft/ft were measured at 12 well screen pairs. The upward gradients could be attributable to local piezometric head variations caused by heterogeneity of the aquifer, but they could also be explained by measurement precision.

3.2 Analytical Results

This section discusses the analytical results of the three sampling events. Tables 3-3a, 3-3b, and 3-3c summarize the analytical results for those groundwater samples with detectable contaminant concentrations. Appendix E presents the entire analytical results, including the non-detects (NDs), and also includes summary tables for QC samples.

The "Lab QC" data listed in Tables 3-3a, 3-3b, and 3-3c and in Appendix E should be considered primary data. The "Lab QC" sample type indicates that MS/MSDs and primary samples were collected at that sample location.

3.2.1 Volatile Organic Compounds

The most frequently detected compounds are summarized below, followed by a discussion of individual compounds.

Laboratory Results for 1Q2008

PCE was detected in 66 wells. The maximum PCE concentration detected was 170,000 micrograms per liter (µg/L) in Well OW1A. TCE was detected in 62 wells. The maximum TCE concentration detected was 3,800 µg/L in Well OW1A. 1,1-Dichloroethene (1,1-DCE) was detected in 50 wells. The maximum 1,1-DCE concentration detected was 1,000 µg/L in Well OW1A. Chloroform was detected in 44 wells. The maximum chloroform

concentration detected was 1,100 µg/L in EW-2. F113 was detected in 44 wells. The maximum F113 concentration detected was 5,000 µg/L in Well OW8A. Well OW1A had the highest number of maximum detects in 1Q2008.

Laboratory Results for 1Q2009

PCE was detected in 61 wells. The maximum PCE concentration detected was 150,000 µg/L in Well OW1A. TCE was detected in 57 wells. The maximum TCE concentration detected was 11,000 µg/L in Well OW1B. 1,1-Dichloroethene (1,1-DCE) was detected in 49 wells. The maximum 1,1-DCE concentration detected was 1,500 µg/L in Well OW9. Chloroform was detected in 37 wells. The maximum chloroform concentration detected was 1,100 µg/L in OW9. F113 was detected in 43 wells. The maximum F113 concentration detected was 1,700 µg/L in Well OW8A.

Laboratory Results for 3Q2009

PCE was detected in 61 wells. The maximum PCE concentration detected was 24,000 µg/L in Well OW1A. TCE was detected in 61 wells. The maximum TCE concentration detected was 2,300 µg/L in Well OW1A. 1,1-Dichloroethene (1,1-DCE) was detected in 45 wells. The maximum 1,1-DCE concentration detected was 1,600 µg/L in Well OW9. Chloroform was detected in 46 wells. The maximum chloroform concentration detected was 1,100 µg/L in OW9. F113 was detected in 48 wells. The maximum F113 concentration detected was 710 µg/L in Well OW9.

The well-by-well results for 1Q2008, 1Q2009, and 3Q2009 are shown in Appendixes E1, E2, and E3, respectively. In addition, statistical summaries for the respective quarters are shown in Tables 3-3a, 3-3b, and 3-3c.

Sample dilutions were necessary in order to analyze several of the OPOG well samples (for example, OW1A, OW3, OW5 and OW8A), because the undiluted sample concentration exceeded the laboratory instrument calibration range. The dilutions raised the reporting limits for all VOC analytes included in the analytical method, resulting in estimated or ND results for lower concentration analytes.

3.2.1.1 Chlorinated VOCs

Chlorinated VOCs were the most frequently detected compounds.

Tetrachloroethene (PCE)

PCE was detected at all monitoring wells at concentrations above the California Primary maximum contaminant level (MCL) of 5 µg/L. Detections greater than 1,000 µg/L were reported at Wells OW1A (240,000 µg/L, 3Q2009), OW2 (4,000 µg/L, 1Q2009), OW3A (3,200 µg/L, 3Q2009), OW5 (1,400 µg/L, 1Q2008), and OW8A (33,000 µg/L, 1Q2009). The maximum PCE detection was reported at Well OW1A in the 3Q2009 sampling event. Detections were generally lower at EPA monitoring wells. Other than OPOG and EPA detections, Techni Braze, Inc. has reported concentrations ranging from non-detection to 6,100 µg/L in the 3Q2008 sampling event (LFR, 2008), Pilot Chemical Company has reported concentrations ranging from 2.9 to 140 µg/L in the December 2009 semi-annual groundwater monitoring report (URS, 2010), Phibro-Tech, Inc. has reported concentrations ranging from non-detection to 130 µg/L in the 3Q2009 sampling event (Iris, 2010), Site C has reported concentrations ranging from non-detection to 110 µg/L in 2007 annual

groundwater monitoring report (URS, 2008), Mission Linen Supply has reported concentrations ranging from non-detection to 460 µg/L in the 1Q2009 sampling event (CGC, 2009), former Angeles Chemical Company has reported concentrations ranging from non-detection to 344 µg/L in the 1Q2009 sampling event and to 76.5 µg/L in the 3Q2009 sampling event (Clean Soil Inc., 2009a and 2009b), and McKesson Corporation has reported concentrations ranging from non-detection to 1,100 µg/L in the 1Q2009 sampling event (GeoSyntec, 2009). PCE plume maps of 1Q2008, 1Q2009, and 3Q2009 are presented in Figures 3-6a, 3-6b, and 3-6c, respectively. The PCE plume is continuous over OU2. The distribution of PCE for these three quarters remained generally the same. PCE concentrations greater than 5 µg/L extend west-southwest downgradient from the former Omega property to near EPA Monitoring Well MW29. Concentrations exceeding 500 µg/L are associated with the Omega property and with another source area identified as the former Angeles Chemical Company and the former McKesson Chemical (AMK) properties.

Trichloroethene

TCE was detected at most monitoring wells at concentrations above the California Primary MCL of 5 µg/L. Detections greater than 1,000 µg/L were reported at Wells OW1A (3,300 µg/L, 1Q2008) and OW8A (1,400 µg/L, 1Q2008), OW9 (1,200 µg/L, 1Q2009), and MW31 (1,000 µg/L, 3Q2009). The maximum detection was reported at Well OW1A in the 1Q2008 sampling events. Other than OPOG and EPA detections, Techni Braze, Inc. has reported concentrations ranging from non-detection to 150 µg/L in the 3Q2008 sampling event (LFR, 2008), Pilot Chemical Company has reported concentrations ranging from 4.5 to 89 µg/L in the December 2009 semi-annual groundwater monitoring report (URS, 2010), Phibro-Tech, Inc. has reported concentrations ranging from non-detection to 98 µg/L in the 3Q2009 sampling event (Iris, 2010), Site C has reported concentrations ranging from non-detection to 85 µg/L in 2007 annual groundwater monitoring report (URS, 2008), Mission Linen Supply has reported concentrations ranging from non-detection to 11 µg/L in the 1Q2009 sampling event (CGC, 2009), former Angeles Chemical Company has reported concentrations ranging from non-detection to 233 µg/L in the 1Q2009 sampling event and to 44.2 µg/L in the 3Q2009 sampling event (Clean Soil Inc., 2009a and 2009b), and McKesson Corporation has reported concentrations ranging from non-detection to 820 µg/L in the 1Q2009 sampling event (GeoSyntec, 2009). TCE plume maps of 1Q2008, 1Q2009, and 3Q2009 are presented in Figures 3-7a, 3-7b, and 3-7c, respectively. The TCE plume is continuous over OU2. The distribution of TCE for these three quarters generally remained the same and is similar to the distribution of PCE.

F11 and F113

F11 was detected at a few wells in each sampling event. Detections were reported above the California Primary MCL (150 µg/L) at Wells OW2 (190 µg/L, 1Q2008), OW5 (180 µg/L, 1Q2008), OW8A (360 µg/L, 1Q2008), OW9 (280 µg/L, 1Q2009), MW1A (150 µg/L, 1Q2009 and 3Q2009), MW5 (210 µg/L, 1Q2008), MW14 (150 µg/L, 1Q2008), MW15 (370 µg/L, 1Q2008), MW23A (170 µg/L, 1Q2008), and MW23C (160 µg/L, 3Q2009). The maximum detection was reported at Well MW15 in the 1Q2008 sampling events. Other than OPOG and EPA detections, Phibro-Tech, Inc. has reported concentrations ranging from non-detection to 16 µg/L in the 3Q2009 sampling event (Iris, 2010), and McKesson Corporation has reported concentrations ranging from non-detection to 84 µg/L in the 1Q2009 sampling event (GeoSyntec, 2009). F11 plume maps of 1Q2008, 1Q2009, and 3Q2009 are presented in

Figures 3-8a, 3-8b, and 3-8c, respectively. F11 does not cover the same large area as the PCE or TCE plumes. Changes of 5 µg/L plume distribution are minor; however, distribution of concentrations greater than 150 µg/L successively reduce covered areas over time. F113 was detected in samples from a few wells in each sampling event. The maximum detection was reported at Well OW8A (1,700 µg/L) in 1Q2009. Detections greater than 500 µg/L were also reported at Wells OW2 (1,100 µg/L, 1Q2009), OW5 (540 µg/L, 1Q2008), OW9 (930 µg/L, 1Q2008), MW5 (580 µg/L, 1Q2008), MW15 (1,000 µg/L, 1Q2008), and MW23A (750 µg/L, 1Q2008). Only OW8A exceeds the California Primary MCL of 1,200 µg/L. Phibro-Tech, Inc. also has reported concentrations ranging from non-detection to 34 µg/L in the 3Q2009 sampling event (Iris, 2010). F113 plume maps of 1Q2008, 1Q2009, and 3Q2009 are presented in Figures 3-9a, 3-9b, and 3-9c, respectively. The Freon plumes are continuous over OU2. The distribution of F113 is similar to the distribution of F11. Both F113 and F11 are stable compounds in groundwater. The ratio of F113 to F11 can be assumed to remain constant (within a narrow range) once they are released to groundwater. Omega OU1 is the only known source of Freons; therefore, an analysis of the ratio of F113 and F11 can provide an indication as to whether multiple sources exist in OU2. Discussion of the ratio of F113 and Freon is presented in Section 3.2.1.3.

1,2-Dichloroethane (1,2-DCA)

1,2-DCA was detected at 20 wells in 1Q2008, 11 wells in 1Q2009, and 9 wells in 3Q2009 sampling events. The California Primary MCL is 0.5 µg/L and detections greater than 100 µg/L were reported at Wells OW8A and OW9. Maximum 1,2-DCA detection was reported at Well OW8A (310 µg/L) in the 1Q2009 sampling event. Other than OPOG and EPA detections, Techni Braze, Inc. has reported concentrations ranging from non-detection to 0.64 µg/L in the 3Q2008 sampling event (LFR, 2008), Pilot Chemical Company has reported concentrations ranging from non-detection to 43 µg/L in the December 2009 semi-annual groundwater monitoring report; it is noted that Pilot Chemical Company Well MW-1 was not sampled in December 2009, but in April 2009 it had 500 µg/L of 1,2-DCA and historical concentrations above 1,000 µg/L (URS, 2010). Phibro-Tech, Inc. has reported concentrations ranging from non-detection to 19 µg/L in the 3Q2009 sampling event (Iris, 2010), Site C has reported concentrations ranging from non-detection to 26 µg/L in the 2007 annual groundwater monitoring report (URS, 2008), former Angeles Chemical Company has reported concentrations ranging from non-detection to 2.8 µg/L in the 1Q2009 sampling event and to 29 µg/L in the 3Q2009 sampling event (Clean Soil Inc., 2009a and 2009b), and McKesson Corporation has reported concentrations ranging from non-detection to 530 µg/L in the 1Q2009 sampling event (GeoSyntec, 2009). 1,2-DCA plume maps of 1Q2008, 1Q2009, and 3Q2009 are presented in Figures 3-10a, 3-10b, and 3-10c, respectively. The 1,2-DCA plume is narrow and follows the main contaminant transport pathway from the former Omega property; the plume is collocated with the zone of high PCE and TCE concentrations. The plume appears to be continuous over OU2.

1,1-Dichloroethane (1,1-DCA)

1,1-DCA was detected at more than 20 wells in each sampling event. The California Primary MCL is 5 µg/L and the maximum concentrations were detected at Well MW17A in 1Q2008 (100 µg/L), Well OW8A in 1Q2009 (74J µg/L), and Well OW9 in 3Q2009 (46J µg/L) sampling events. The "J" qualifier indicates that the detection is an estimated value.

1,1-Dichloroethene (1,1-DCE)

1,1-DCE was detected at most wells in each sampling event, generally at concentrations above the California Primary MCL (6 µg/L). The maximum detection was reported at Well OW9 (1,600 µg/L) in 3Q2009. Detections greater than 500 µg/L were also reported at Wells OW8A (750 µg/L, 1Q2009), OW1A (730 µg/L, 1Q2008), OW3A (600 µg/L, 3Q2009), and OW2 (550 µg/L, 1Q2009).

1,1,1-Trichloroethane (1,1,1-TCA)

1,1,1-TCA was mainly detected above the California Primary MCL (200 µg/L) at Well OW1A in 3Q2009 (1,900 µg/L), 1Q2009 (1,900 µg/L), and 1Q2008 (2,600 µg/L, 1Q2008), and at Well OW1B in 1Q2009 (820 J µg/L). Detections were also reported at Wells OW3A, MW1A, MW15, MW17A, MW17B, MW21, MW23A, MW25A, MW26A, MW26B, MW27A, MW5, MW8C, and MW8D, but at concentrations below the MCL.

1,1,2,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane (R-130) was only detected at three wells in the 1Q2009 sampling event. Detections were reported at Wells MW1A (0.5 J µg/L), MW8C (0.5 J µg/L), and MW8D (0.5 J µg/L). The detections are below the California Primary MCL of 1 µg/L.

1,1,2-Trichloroethane (1,1,2-TCA)

1,1,2-TCA was detected at a few wells in each sampling event. The California/EPA Primary MCL is 5 µg/L and the maximum detection was reported at Well OW8A (90 J µg/L, 1Q2009). Detections were also reported at Wells MW1A, MW 2, MW5, MW6, MW8C, MW8D, MW15, MW17A, MW17B, MW23A, MW23C, MW25A, MW27A, and OW1B, but at concentrations below the MCL.

1,2-Dibromoethane

1,2-Dibromoethane was detected at three wells in the 1Q2009 sampling event. The California Primary MCL is 0.05 µg/L and detections were reported at Wells MW1A (0.5 J µg/L), MW8C (0.5 J µg/L), and MW8D (0.5 J µg/L).

1,2-Dichlorobenzene

1,2-Dichlorobenzene was detected at a few wells and the maximum concentration was reported at Well MW1A (18 µg/L, 3Q2009). This detection was below the California Notification Level of 600 µg/L. The second highest concentration was reported at Well OW1B (11 J µg/L, 1Q2009). The "J" qualifier indicates that the detection is an estimated value. The remaining detections were equal to or less than 0.5 µg/L with a "J" qualifier.

1,2-Dichloropropane

1,2-dichloropropane was detected in 1Q2009 and 3Q2009. Detections were reported at Wells MW1A, MW20A, MW20B, MW8C, MW8D, and OW1B. No detection exceeded the California Primary MCL of 5 µg/L except MW20A, at 5.1 µg/L in 3Q2009.

1,2,3-Trichlorobenzene

1,2,3-Trichlorobenzene was only detected in the 1Q2009 sampling event. Detection was reported at Well MW1A (0.5 J µg/L), MW6 (0.5 J µg/L), MW8B (0.5 J µg/L), MW8C (0.5 J µg/L), MW8D (0.5 J µg/L), MW10 (0.5 J µg/L), and MW24A (0.13 J µg/L). EPA and California currently do not have a screening level for this compound.

1,2,4-Trichlorobenzene

1,2,4-Trichlorobenzene was detected at six wells: MW1A, MW8B, MW 8C, MW8D, MW6, and MW10, at a concentration below the California Primary MCL of 5 µg/L. The detections were all reported in the 1Q2009 sampling event, with the same 0.5 J µg/L concentration. The "J" qualifier indicates the result is estimated below the detection limit.

1,2-Dibromo-3-Chloropropane (DBCP)

1,2-Dibromo-3-Chloropropane (DBCP) was detected at five wells in the 1Q2009 sampling event. The California Primary MCL is 0.2 µg/L and detections were reported at Wells MW1A (0.5 J µg/L), MW8B (0.5 J µg/L), MW8C (0.5 J µg/L), MW8D (0.5 J µg/L), and MW6 (0.5 J µg/L).

1,4-Dichlorobenzene

1,4-Dichlorobenzene was only detected at Wells MW1A, MW6, MW8B, MW8C, MW8D, MW10, and OW1B in the 1Q2009 sampling event. The maximum concentration was reported at OW1B (1.4 J µg/L) and was below the California Primary MCL of 5 µg/L.

Bromochloromethane

Bromochloromethane was detected at a few wells in 1Q2009 and 3Q2009 sampling events. The maximum concentration was detected at Well OW7 (1.2 µg/L, 3Q2009) and was below the EPA Primary MCL of 80 µg/L.

Bromodichloromethane

Bromodichloromethane was only detected at two wells in the 1Q2009 sampling event. Detections were reported at Wells MW8C (0.5 J µg/L) and MW8D (0.5 J µg/L). EPA and California currently do not have a screening level for this compound.

Carbon Tetrachloride

Carbon tetrachloride was detected at a few wells in each sampling event. The maximum detection was reported at Wells MW1A (0.5 J µg/L) and MW8C (0.5 J µg/L) in the 1Q2009 sampling event. The remaining detections were below the California Primary MCL of 0.5 µg/L.

Chlorobenzene

Chlorobenzene was only detected in the 2009 sampling events. Wells MW1A (0.5 J µg/L), OW8A (2.7 J µg/L), MW8C (0.5 J µg/L) and MW8D (0.5 J µg/L) were detected in the 1Q2009 sampling event. 3Q2009 has only one detection, at OW1A, of 6.8 J µg/L. All detections were below the California Primary MCL of 70 µg/L.

Chloroethane

Chloroethane was detected in 1Q2009 and 3Q2009 sampling events. Only Wells MW12 (0.31 J µg/L, 3Q2009), MW8C (0.5 J µg/L, 1Q2009), and MW8D (0.5 J µg/L, 1Q2009) were detected and all detections were below the California Primary MCL of 16 µg/L.

Chloroform

Chloroform was detected at most wells in each sampling event. The maximum detection was reported at Well OW9 (1,100 µg/L, 3Q2009 and 1Q2009). The other detections greater than 100 µg/L were also reported at Wells OW8A (770 µg/L, 1Q2009), MW1A (210 µg/L, 3Q2009), and OW5 (120 µg/L, 1Q2008). These values exceed the EPA Primary MCL of

80 µg/L, which applies to total trihalomethanes (these include bromoform, bromodichloromethane, chloroform and dibromochloromethane).

Cis-1,2-Dichloroethene (Cis-1,2-DCE)

Cis-1,2-DCE was detected at most EPA wells in each sampling event. The California Primary MCL is 6 µg/L and detections greater than 100 µg/L were reported at Wells MW1A (170 J µg/L, 1Q2009), MW17A (170 J µg/L, 1Q2008), and MW12 (110 µg/L, 3Q2009). The remaining detections were generally less than 40 µg/L.

Cis-1,3-Dichloropropene

Cis-1,3-Dichloropropene was either non-detected or detected at a few wells in each sampling event. The California Primary MCL is 0.5 µg/L and the maximum concentrations were reported at Wells MW1A (0.5 J µg/L) and MW8D (0.5 J µg/L) in the 1Q2009 sampling event. There was no detection in the 3Q2009 sampling event.

Dibromochloromethane

Dibromochloromethane was detected at a few wells in 1Q2009 and 3Q2009 sampling events. The maximum concentration was detected at Well OW7 (1.2 µg/L, 3Q2009) and was below the EPA Primary MCL of 80 µg/L.

Dichlorodifluoromethane (F12)

Dichlorodifluoromethane (F12) was detected at a few wells in each sampling event. The maximum concentration was reported at Well MW15 (2.9 µg/L) in the 1Q2009 sampling event. No detections exceeded the California Notification Level of 1,000 µg/L.

Methylene Chloride

Methylene chloride was detected at a few wells in each sampling event. Maximum concentrations were reported at Well OW8A (1,200 BD µg/L) in the 1Q2009 sampling event. Detections greater than 100 µg/L were also reported at Wells OW1A (480 J µg/L, 1Q2008) and OW8A (140 µg/L, 1Q2008). Detections at remaining wells were at or below 100 µg/L. Detections exceeding the California Primary MCL (5 µg/L) were reported at Wells OW1B (16 µg/L), OW1A (33 J µg/L, 3Q2009), and MW3A (5 J µg/L, Q801).

Trans-1,2-DCE

Trans-1,2-DCE was detected at a few wells in each sampling event. Detections exceeding the California Primary MCL (10 µg/L) were reported at Wells MW2 (20 J µg/L, 1Q2008), MW23A (56 J µg/L, 1Q2008), MW23C (53 J µg/L, 1Q2008), MW24A (34 J µg/L, 1Q2008), MW27B (21 J µg/L, 1Q2008), OW1A (11 µg/L, 3Q2009), and OW8A (49 J µg/L, 1Q2009).

Trans-1,3-Dichloropropene

Trans-1,3-Dichloropropene was detected at three wells in the 1Q2009 sampling event. Detections were reported at estimated values of MW1A (0.5 J µg/L), MW8C (0.5 J µg/L), and MW8D (0.5 µg/L). The California Primary MCL is 0.5 µg/L.

Dichlorotrifluoroethane

Dichlorotrifluoroethane was detected at one well in the 1Q2008 sampling event. Detection was reported at Well OW1B (4.2 J µg/L) and EPA and California currently do not have a screening level for this compound.

Vinyl Chloride

Vinyl chloride was detected at two or three wells in each sampling event. Detections were reported at MW27 and MW8 cluster wells, with the maximum detection at Well MW27A (2.8 µg/L, 3Q2009). The California Primary MCL is 0.5 µg/L.

3.2.1.2 Other VOCs

1,4-Dioxane was detected at one or more wells in each quarterly sampling event. The California Notification Level is 3 µg/L and the concentrations higher than 1,000 µg/L were reported at Wells OW8A (1,000 J µg/L, 1Q2009) and OW9 (1000 µg/L, 1Q2009). Other than OPOG and EPA detections, Phibro-Tech, Inc. has reported concentrations ranging from non-detection to 63 µg/L in the 3Q2009 sampling event (Iris, 2010), former Angeles Chemical Company has reported concentrations ranging from non-detection to 12,200 µg/L in the 1Q2009 sampling event and to 31,000 µg/L in the 3Q2009 sampling event (Clean Soil Inc., 2009a and 2009b), and McKesson Corporation has reported concentrations ranging from non-detection to 120 µg/L in the 1Q2009 sampling event (GeoSyntec, 2009). 1,4-Dioxane plume maps of 1Q2008, 1Q2009, and 3Q2009 are presented in Figures 3-11a, 3-11b, and 3-11c, respectively. The 1,4-Dioxane plume is continuous over OU2.

Nonchlorinated VOCs detected at OU2 include 2-Hexanone, benzene, bromoform, carbon disulfide, ethylbenzene, isopropylbenzene, m,p-Xylenes, methyl cyclohexane, methyl isobutyl ketone, MTBE, o-Xylene, styrene, and toluene. Detections of nonchlorinated VOCs were all below screening levels except benzene at OW1A (6.2 µg/L, 3Q2009) and OW1B (21 J µg/L, 1Q2009). Screening levels for 2-Hexanone and methyl cyclohexane have not been set.

2-Hexanone was only detected at Wells MW1A (5 J µg/L), MW8C (5 J µg/L), and MW1D (5 J µg/L) in the 1Q2009 sampling event. No MCL has been established for 2-Hexanone.

Benzene was detected at a few wells in each sampling event. Maximum detections were reported at Well OW1B (21 J µg/L, 1Q2009), and another detection that exceeded the California Primary MCL (1 µg/L) was at Well OW1A (6.2 µg/L). The remaining detections were all below the California Primary MCL and included MW5, MW8C, MW8D, MW15, MW23A, MW25B, MW26A, MW26B, MW27A, MW27B, and OW3A.

Bromoform was detected from non-detection to trace in a few wells in each sampling event. The maximum concentration was reported at Well OW7 (0.99 J µg/L, 1Q2009) and no detections exceeded the EPA Primary MCL of 80 µg/L.

Carbon disulfide was detected at Wells MW1A (7.3 J µg/L, 3Q2009), MW8C (0.5 J µg/L, 1Q2009), and MW8D (0.5 J µg/L, 1Q2009). No detections exceeded the California Notification Level of 160 µg/L.

Ethylbenzene was detected at a trace level in the 1Q2009 sampling event. Detections were reported at Wells MW1A, MW8C, MW8D and OW1B. The maximum reported concentration was 1.5 J µg/L (Well OW1B), which is below the California Primary MCL of 300 µg/L.

Isopropylbenzene was detected at a trace level in the 1Q2009 sampling event. Detections were reported at Wells MW1A, MW8C, MW8D and OW1B. The maximum reported

concentration was 2.3 J µg/L (Well OW1B), which is below the California Notification Level of 770 µg/L.

m,p-Xylene was detected at a trace level in the 1Q2009 sampling event. Detections were reported at Wells MW1A, MW8C, MW8D and OW1B. The maximum reported concentration was 1.1 J µg/L (Well OW1B), which is below the California Primary MCL of 1,750 µg/L.

Methyl cyclohexane was detected at Well MW27A (0.31 J µg/L, 1Q2009), MW27B (1.1 µg/L, 1Q2009), MW1A (0.5 J µg/L, 1Q2009), MW8C (0.5 J µg/L, 1Q2009), MW8D (0.5 J µg/L, 1Q2009), and MW27A (13 µg/L, 3Q2009). No MCL has been established for methyl cyclohexane.

Methyl isobutyl ketone was detected at a trace level in the 1Q2009 sampling event. Detections of 5J µg/L were reported at Wells MW1A, MW8C, and MW8D. This is below the California Notification Level of 120 µg/L.

MTBE was detected at trace levels in each sampling event. All detected concentrations were below the California Secondary MCL (13 µg/L). The maximum concentration was reported at Well MW30 (3.9 µg/L).

o-Xylene was detected at a trace level in the 1Q2009 sampling event. Detections were reported at Wells MW1A, MW8C, MW8D and OW1B. The maximum reported concentration was 1.2 J µg/L (Well OW1B), which is below the California Primary MCL of 1,750 µg/L.

Styrene was detected at trace levels in the 1Q2009 sampling event. Detections were reported at Wells MW1A, MW8C, and MW8D at a concentration of 1.2 J µg/L for these three wells, which is below the California Primary MCL of 100 µg/L.

Toluene was detected at a few wells in each sampling event. No detections exceeded the California Primary MCL (150 µg/L), and the maximum concentration was reported at Well OW1B (38 J µg/L) in the 1Q2009 sampling event. The remaining toluene detections were below 10 µg/L except Well OW8A (37 J µg/L, 1Q2009).

3.2.1.3 Ratios of F113 and F11

The ratios of concentrations of F113 and F11 were evaluated to identify indications of potential sources of Freons other than the former Omega facility.

The calculated narrow ratio range seems to be indicative of Omega OU1 being a single source of the two Freons found at OU2. It is noted, though, that because of the limitations of this analysis, only a substantial change in F113/F11 ratio resulting from a substantial release of Freon(s) to groundwater could be detected. The results are summarized below and the limitations of the analysis are discussed in Appendix H.

Both F11 and F113 are stable compounds that do not degrade in groundwater. Their sorption characteristics are similar; furthermore, sorption is not substantial in the sandy aquifer materials present at OU2. These characteristics support the expectation of a (relatively) constant F113/F11 ratio in a plume resulting from a single source at OU2. The

ratio of their concentrations would be expected to remain constant in the absence of sampling, analytical, and any other variation.

It can be reasonably expected that the source at Omega OU1 is well-mixed and the Freon ratio at OU1 was fairly uniform over time as a result of the release of mixed waste into soil. If there is another substantial source of either F11 or F113 somewhere at OU2 downgradient from OU1, the ratio of F113/F11 in groundwater is expected to be different downgradient of that source. A source of both F11 and F113 but with a different mix than OU1 would have a similar effect.

Table 3-4 summarizes the statistics for the F113/F11 ratios calculated for each well using the entire historical record (with NDs removed). Wells with insufficient records (for example, MW31, MW30, and MW29) are not included in the table.

The median ratios calculated from historical concentration data are shown in Figure 3-12. The spatial pattern does not indicate clustering or trends in the ratios over OU2. The variability in the ratios may be entirely attributable to the limitations listed in Appendix H.

3.2.2 Data Quality Assessment

The chemical data quality for Omega first quarter 2008, first Quarter 2009, and third quarter 2009 data was managed through the following tools and processes:

- Data quality objectives process as documented in the QAPP (CH2M HILL, 2004d)
- Project QA plans to define procedures and functional policies for data of known and appropriate quality along with FSPs (CH2M HILL, 2004c and 2004d)
- Laboratory QA through audits
- Data validation and QA

Following is a description of the analytical methodology and the data validation/ assessment methodology/findings. The validation reports and tables summarizing the QA are included in Appendix G.

3.2.2.1 Analytical Program/Methodology

The analytical parameters and the associated methods, the standard EPA analytical method references are contained in the QAPP (CH2MHILL, 2004d).

Analyses were performed through the EPA Contract Laboratory Program (CLP); the analyses were based on CLP methodology modified for lower detection where needed and QC procedures. Table G-1 shows the analytes for first quarter 2008, second and third quarters 2009, and the associated measurement performance criteria.

The QAPP identifies the following method-specific QC requirements directly or by reference:

- Level of effort (frequency of QC checks) for each QC procedure
- Quantitative acceptance limits for QC data

- Corrective action requirements for the laboratories for QC data that are outside the acceptance limits
- The detection limit requirements

These requirements (also EPA Regional and CLP standard operating procedures) have been followed as the project analytical requirements by the laboratory. The analytical laboratory has established method detection limits (MDLs) in accordance with Title 40, Part 136, Appendix B, of the *Code of Federal Regulations* (CFR) before start of the work to ensure that laboratory-specific limits complied with the QAPP specifications.

3.2.2.2 Data Validation and Findings

Data Validation Methodology

All data (100 percent) have been evaluated independent of the laboratory by project chemists per EPA National Functional guidelines.

Sample data have been reviewed outside the laboratories by EPA QAO for the QC specifications identified in the project QAPP for each specific parameter and are flagged in accordance with the project QAPP.

Reporting

Sample and parameter-specific data validation reports are in Appendix G. Data validation findings and qualifications/flags are summarized in Table G-2.

Each report has subsections that correspond to the internal QC check requirements for that specific method as identified in the project QAPP and EPA data validation functional guidelines. If laboratory data were found to deviate from the specifications, the subsection provides quantitative details for the QC data deviation and the associated affected samples and provides flags according to defined conventions.

Flagging Conventions, Data Validation Findings

QAPP criteria and EPA data validation functional guidance were used to determine flagging conventions. Data validation flags have been entered into the database that were used for project reports. Data validation findings and qualifications/flags are summarized in Table G-2.

Over 90 percent of data were found to be within criteria as seen in Table G-2. Systematic laboratory errors were not observed; no significant data biases are noted. The only rejected data were for ND 1,2-dibromo-3-chloropropane results due to calibration and internal standard deviations. Additional rejected data were for semi-volatiles (non-target compounds in the analysis for 1,4-dioxane) for ND results for two samples due to surrogate recoveries expected to be a result of sample matrix effects. These compounds are not COCs. The causes for the rejected data are noted to be isolated occurrences and not a systematic bias. These rejected data have not impacted project decisions as can be seen in this report.

Data reported in this report include validation flags.

Data Storage

Backup information for the data evaluation and validation findings includes the following:

- Laboratory hard-copy packages, assembled in SDG units, which include all QC data. These packages are stored at the EPA Region 9 Laboratory and EPA CLP
- Laboratory electronic databases, which includes all sample concentration data with laboratory data flags and a subset of laboratory QC data
- Chain-of-custody (COC) forms and tracking records in project files, as well as at the laboratory
- Laboratory bench records and sample custody logs maintained by the laboratory
- Project electronic databases to include validation flags stored with project files; electronic data base structure/content are per project/program specifications

3.2.2.3 Data Quality Assessment and Quality Control Data

Data quality objectives have been prescribed in the QAPP in terms of precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters. The following is a description of the assessment for each parameter. Associated data for the PARCC parameters are in laboratory hard copy packages and a subset of these parameters are found in laboratory as well as project electronic databases. Tables G-2 through G-5 present the following data associated with the PARCC evaluations: precision (field duplicates Table G-3), accuracy (surrogates Table G-5, field blank Table G-4), representativeness (field blanks Table G-4), completeness (data validation summary Table G-2). Accuracy and precision data as represented by MS and laboratory control standard recoveries and MSD relative percent deviations are available in laboratory hard copies and the evaluation of these data can be seen in the appended data validation reports (Appendix G).

Accuracy measurement data include laboratory control sample and MS recovery data for both organic and inorganic analytical parameters, as well as surrogate recovery data for organic parameters. Surrogate recoveries are summarized in Table G-5. MS and laboratory control standard recoveries are available in laboratory hard copies and the evaluation of these data can be seen in the appended data validation reports (Appendix G). Recoveries are found to be within limits at large (over 90 percent) and do not indicate any significant bias.

Precision measurement data include laboratory and field duplicate data expressed as relative percent deviation (RPD). Field duplicate measurements are shown in Table G–3. The evaluation of lab duplicates can be seen in the appended data validation reports (Appendix G). Laboratory duplicate data were found to be within acceptance criteria at large as seen in the validation reports and Table G–2; thus, no significant lab precision bias is noted. Field duplicate relative percent recoveries (Table G–3) also do not indicate significant field bias. The larger deviations noted for fluorocarbons (freons) and ethylenes are intrinsic to the limitations of the measurements. Data users have taken these findings into consideration in their decision processes. Thus overall project precision targets are met and no significant biases are noted.

Representativeness is a measure of how closely the measured results reflect the actual concentration or distribution of the chemical compounds in the sampled media. Representativeness is assessed in both qualitative and quantitative terms. The project report discusses the qualitative aspects of representativeness in terms of design of the FSP, sam-

pling techniques, sample handling protocols, and associated documentation. Quantitative measures of representativeness include field and laboratory blank measurements to identify if contamination was introduced through field or laboratory operations. Field duplicate measurements (Table G-3) are used to establish variability. Field blank results and associated evaluations are shown in Table G-4. For sample results where the sample result is less than five times the associated field blank detection, the sample results are qualified as NDs. These field blank qualifications have not impacted project decisions and not affected the needed representativeness. Similarly samples have been qualified for laboratory blanks through the validation reports where again no significant bias has been noted.

Comparability expresses the confidence with which one data set can be compared to another. Comparability of data has been established through use of following:

- Standard analytical methods and QC procedures established in the project QAPP
- Consistent reporting units for a specified procedure
- MDLs for all analytical parameters that were established in accordance with 40 CFR Part 136, Appendix B, before the start of the analyses to meet the project requirements

All comparability factors have been met for this set of data.

Completeness in this report is assessed as a measure of the amount of valid data obtained from the analytical measurements. Field activity completeness is assessed within the context of the overall sampling design. Data validation summaries are presented in Table G–2. Data completeness was found to be above 90 percent at large, and meets project needs.

3.3 Trend Analysis

Statistical trend analyses were conducted to help in assessing the temporal concentration changes of the various contaminants in groundwater at the Omega Site. All historical concentration measurements taken from the 64 Omega monitoring wells were included in the analysis. All contaminants of concern with sufficient detectable values were included in the trend analysis. Table 3-5 shows the matrix of the trend analysis conducted on concentration data collected from the 64 Omega monitoring wells for 37 detected VOCs. A total of 2,368 well and chemical compound concentration pairs were analyzed. Trends could not be statistically analyzed for 1,833 data pairs mainly because of the presence of NDs and short monitoring records. Of the 535 monitoring well and chemical compound concentration pairs with sufficient data to perform trend analysis, 119 pairs showed significant decreasing trends, 51 showed significant increasing trends, and the remaining 365 exhibited no significant trend. The plots of the concentration time series for selected compounds for all wells are presented in Appendix I.

Figures 3-13 through 3-20 show the spatial distribution of the trends for selected chemical compounds including PCE, TCE, F11, F113, chloroform, 1,1-DCE, 1,4-dioxane, and cis-1,2 DCE, respectively:

- PCE (Figure 3-13): among the 64 wells, 13 showed an increasing trend, 9 showed a decreasing trend, 38 exhibited no significant trend, and the other 4 had insufficient data. Wells with increasing trend appear randomly distributed in the northern portion of OU2

(upgradient of Well Cluster MW17); wells with decreasing trend are concentrated in an area downgradient of the Omega facility and upgradient of AMK; and wells with no significant trends appear to be randomly scattered throughout OU2.

- TCE (Figure 3-14): among the 64 wells, 12 showed an increasing trend, 10 showed a decreasing trend, 38 exhibited no significant trend, and the other 4 had insufficient data. Both wells with increasing trend and wells with decreasing trend appear randomly distributed in the northern portion of OU2 (upgradient of Well Cluster MW17); and wells with no significant trends appear to randomly scattered throughout the entire OU2.

- F11 (Figure 3-15): among the 64 wells, five showed an increasing trend, nine showed a decreasing trend, 22 exhibited no significant trend, and the other 28 had insufficient data. Increasing trends were detected at four wells situated at two locations away from the Omega Site: MW1A and MW1B, and MW16B and MW25A. OW1B also showed an increasing PCE trend. This well is located on the Omega facility but it is screened in the aquifer unit beneath the water table aquifer. Wells with decreasing concentrations are concentrated in a relatively small area between the Omega facility and Slauson Avenue. Wells with no significant trends appear to be randomly scattered throughout the entire OU2 area.

- F113 (Figure 3-16): among the 64 wells, seven showed an increasing trend, 11 showed a decreasing trend, 28 exhibited no significant trend, and the remaining 18 had insufficient data. Increasing trends were detected at three locations away from the Omega Site: MW1A and MW1B, MW8B and MW8C and MW23B, and MW16B and MW25A. Wells with decreasing concentrations are concentrated in a relatively small area between the Omega facility and Slauson Avenue. Wells with no significant trends appear to be randomly scattered throughout OU2.

- Trichloromethylene (Figure 3-17): among the 64 wells, six showed an increasing trend, seven showed a decreasing trend, 31 exhibited no significant trend, and the other 20 had insufficient data. Increasing trends were detected at several locations away from the Omega Site: MW4C, MW23B, MW16B and MW17B, and one well located on the Omega facility (OW2). Wells with decreasing concentrations are concentrated in a relatively small area between the Omega facility and Slauson Avenue. Wells with no significant trends appear to be randomly scattered throughout OU2.

- 1,1-DCE (Figure 3-18): among the 64 wells, five showed an increasing trend, eight showed a decreasing trend, 36 exhibited no significant trend, and the other 15 had insufficient data. Increasing trends were detected at several locations away from the Omega Site: MW4C, MW23B, MW16B and MW17B, and one well located on the Omega facility (OW2). Wells with decreasing concentrations are concentrated in a relatively small area between the Omega facility and Slauson Avenue. Wells with no significant trends appear to be randomly scattered throughout OU2.

- 1,4-DCE (Figure 3-19): among the 64 wells, three showed an increasing trend, 10 showed a decreasing trend, 16 exhibited no significant trend, and the other 35 had insufficient data. Increasing trends were detected at three wells located at two locations away from the Omega Site: MW1A and MW1B, and MW4C. Wells with decreasing concentrations

are concentrated in a relatively small area between the Omega facility and Slauson Avenue. Wells with no significant trends appear to randomly scattered throughout OU2.

- cis-1,2-DCE (Figure 3-20): among the 64 wells, none of the wells showed an increasing trend, nine showed a decreasing trend, 32 exhibited no significant trend, and the other 23 had insufficient data. Wells with decreasing concentrations are concentrated in a relatively small area between the Omega facility and Slauson Avenue. Wells with no significant trends appear to be randomly scattered throughout OU2.

Overall, most compounds show a decreasing trend. A notable exemption is PCE, which shows an increasing trend at 13 wells and decreasing trend at nine wells. There are only slightly more wells with decreasing than increasing trends for TCE and chloroform (12 and 10, and seven and six, respectively).

In general, a decreasing trend was observed for the majority of contaminants (except PCE, which showed an increasing trend at some locations) at the wells located in the close vicinity of and immediately downgradient of the Omega facility, including the following:

- MW2 has decreasing trends for seventeen chemical compounds including PCE, TCE, F11, F113, 1,1-DCE, and 1,4-dioxane
- MW5 has decreasing trends for sixteen chemical compounds including PCE, TCE, F11, F113, 1,1-DCE, and 1,4-dioxane
- MW4B has decreasing trends for twelve chemical compounds including PCE, TCE, F11, F113, 1,1-DCE, and 1,4-dioxane
- MW15 has decreasing trends for eleven chemical compounds including PCE, TCE, F11, F113, 1,1-DCE, and 1,4-dioxane
- OW6 has decreasing trends for eight chemical compounds including TCE, F11, F113, 1,1-DCE and 1,4-dioxane; PCE concentration has been relatively stable and showed no significant trend
- OW1A has decreasing trends for seven chemical compounds including F11, F113, 1,1-DCE and 1,4-dioxane; TCE concentration has been relatively stable and showed no significant trend; PCE is the only chemical compound that showed an increasing trend
- OW4A has decreasing trends for six chemical compounds including F11, F113, 1,1-DCE and 1,4-dioxane; TCE concentration has been relatively stable and showed no significant trend; PCE is the only chemical compound that showed an increasing trend
- OW3A has decreasing trends for five chemical compounds including F11, F113, 1,1-DCE and 1,4-dioxane; TCE and 1,4-dioxane concentrations have been relatively stable and showed no significant trends; PCE is the only chemical compound that showed an increasing trend
- OW8A has decreasing trends for five chemical compounds including F11, F113, 1,1-DCE and 1,4-dioxane; PCE, TCE, and 1,4-dioxane concentrations have been relatively stable and showed no significant trends

Increasing concentration trends were observed at several monitoring wells, most of which are located downgradient of the wells with decreasing trends and at locations closer to the AMK facilities:

- MW16B has increasing trends for six chemical compounds including PCE, TCE, F11, F113, and 1,1-DCE; no significant trend was observed for 1,4-dioxane
- MW1A has increasing trends for six chemical compounds including PCE, TCE, F11, F113, 1,1-DCE, and 1,4-dioxane
- MW1B has increasing trends for six chemical compounds including PCE, TCE, F11, F113, 1,1-DCE, and 1,4-dioxane
- MW4C has increasing trends for five chemical compounds including PCE, TCE, 1,4-dioxane and 1,1-DCE; F11 and F113 showed no significant concentration trend
- MW25A has increasing trends for four chemical compounds including PCE, 1,1-DCE, F11 and F113; TCE showed no significant concentration trend and 1,4-dioxane data are not sufficient for trend analysis at this well
- MW8B has increasing trends for three chemical compounds including PCE, TCE, and F113; 1,1-DCE showed no significant concentration trend and 1,4-dioxane and F11 data are not sufficient for trend analyses at this well
- MW8C has increasing trends for three chemical compounds including PCE, TCE, and F113; 1,1-DCE showed no significant concentration trend and 1,4-dioxane and F11 data are not sufficient for trend analyses at this well
- MW8D has increasing trends for PCE and TCE; F113, F11, and 1,1-DCE showed no significant concentration trend and 1,4-dioxane does not have sufficient data for trend analyses at this well
- MW9A has increasing trends for PCE and TCE; F113, F11, and 1,1-DCE showed no significant concentration trend and 1,4-dioxane does not have sufficient data for trend analyses at this well

Wells situated in the southern portion of OU2 generally showed no significant concentration trend; these wells include Well Cluster MW17, MW20, MW26, and MW27, and monitoring Wells MW29 and MW30. It is noted that these wells generally have shorter monitoring records than wells located in the northern portion of OU2, and future monitoring may reveal temporal concentration trends at these wells.

The trend analysis leads to the following interpretations:

- PCE showed increasing trend at multiple locations, including the Omega Site and other facilities, suggesting that the mass of PCE in groundwater at OU2 is increasing and/or moving with groundwater flow. TCE trends are similar although less pronounced.
- F11 and F113, in contrast to PCE and TCE, showed decreasing trend near the Omega facility and increasing trend downgradient of the wells, with decreasing trend between Slauson Avenue and AMK. These trends may suggest that there is currently no

substantial release of Freons into the aquifer at OU1. The center of the mass of the Freon plume may currently be at the locations where the Freon concentrations are increasing.

- cis-1,2-DCE showed decreasing trend at all locations, suggesting degradation of PCE and TCE is not significant at OU2.
- Although MW23D data were not sufficient for statistical trend analysis or they resulted in no significant trend, visual inspection of the time series charts shows increasing apparent trends for most detected compounds. Such increasing trends at MW23D would be significant, suggesting that downward migration of contamination into the deeper aquifer units is currently occurring.

3.4 Vertical Distribution of Contaminants

The change in the vertical distribution of contaminants over time is shown for the three sampling events for PCE and Freon 113 in Figures 3-12 (a, b, and c) and 3-22 (a, b, and c), respectively.

The Cross-Sections AA', BB', and CC' depicted in Figures 3-21 and 3-22 are identical to the cross-sections developed for the RI/FS (CH2M HILL, 2010) and show more-permeable, coarse-grained units and less-permeable, fine-grained units. The contamination is expected to migrate predominantly via the coarse-grained units while the fine-grained units act as partial barriers to groundwater flow as indicated by the differences in piezometric heads and contaminant distribution.

As seen on Cross-Section AA', the zone of high PCE concentrations (over 100 µg/L) in the shallow groundwater downgradient of the Omega property continues to MW23A. This zone is separated from the lower concentration zone in the underlying aquifer by a fine-grained unit. The zone of PCE concentrations exceeding 500 µg/L appears discontinuous on Cross-Section AA' because it has likely shifted laterally.

Separate zones of high concentrations exist in the units penetrated by the screen of MW23D and MW17A. The high concentration zone at MW23D could be an indication of a vertical conduit in this area that allows contaminant migration from the shallow groundwater into this deeper zone. The high concentrations at MW17A are associated with the AMK facilities.

In 1Q2008 and 1Q2009, samples from all the deep screens had PCE concentrations below its MCL. However, in 3Q2009 samples from MW23D and MW27D had PCE concentrations over the MCL.

The Freon 113 distribution is similar to that of PCE except that no high concentration zone is associated with the AMK facilities. A zone of high Freon 113 concentrations (over 150 µg/L) is present in the shallow groundwater between the former Omega property and extends past MW23A; this zone is also separated by the fine-grained unit from the lower concentrations in the underlying aquifer. As for PCE, a zone of high Freon 113 concentrations is present in the unit screened by MW23D.

Both PCE and Freon 113 concentrations have increased between first quarter 2008 and third quarter 2009 (and also since 2007; CH2M HILL, 2010) at Well MW23D. PCE concentrations have also increased at Well MW27D over the same period. These increases in the deep wells

indicate downward movement of the plume at the two locations. Question marks on Figures 3-12 and 3-22 indicate where the extent of the plume is uncertain.

The vertical slice through the plume is also indicative of the plume lateral shifts over time. Cross-Section AA' was constructed so that it was oriented along the high concentration zone between the Omega property and MW23 for the PCE (and other VOC) distribution in 2007. In 2008 and 2009, Cross-Section AA' no longer appears to follow the high concentration zone in this area, indicating that the main contaminant transport pathway has shifted over time and that the high concentration zone marking this pathway is rather narrow. The lateral shift of the high concentration (over 500 µg/L) zone in this area is also apparent on the plume maps (Figures 3-6 to 3-9).

4. Summary of Findings

The following summarizes the major findings from the three sampling events conducted in 1Q2008, 1Q2009, and 3Q2009:

4.1 Groundwater Flow

- Depth to water measurements were collected at the OPOG and EPA monitoring wells during the three sampling events to calculate the water level elevations at these monitoring wells. Hydrographs of the OPOG and the EPA wells were prepared to reveal the temporal water level variations at the Omega Site. The hydrographs of these monitoring wells indicate that water levels at the Omega Site generally decreased between 2002 and 2004, followed by a fairly quick recovery in the first half of 2005 in response to high precipitation that year, then remained relatively constant during the period between mid-2005 and mid-2007, and declined again after mid- 2007. The water levels declined during the reporting period of 2008-2009.
- Vertical gradients were calculated at locations where wells screened in different depth intervals are collocated. The majority of the 32 well screen pairs exhibited downward vertical gradients as expected at OU2 where regional groundwater flow is driven by recharge and deep aquifer pumping. Downward vertical gradients greater than 0.1 ft/ft were calculated for 12 well screen pairs. Upward gradients of small magnitude calculated for five well screen pairs could be attributable to local piezometric head variations caused by heterogeneity of the aquifer or to measurement precision.
- Water table contour maps were prepared for the three sampling events using the water levels measured at the water table wells. In addition, horizontal groundwater gradients were calculated at three locations to show the spatial variations in the shallow groundwater flow regime at the Omega Site. Although the horizontal gradients changed over time, the general shallow groundwater flow regime remained constant, as indicated by the similarities among the groundwater contours for the three sampling events.

4.2 VOC Detections

- PCE was detected at most monitoring wells at concentrations above the California Primary MCL of 5 µg/L in each sampling event. PCE concentrations over 1,000 µg/L were reported for Wells OW1A (240,000 µg/L in 3Q2009), OW2 (4,000 µg/L in 1Q2009), OW3A (3,200 µg/L in 3Q2009), OW5 (1,400 µg/L in 1Q2008), and OW8A (33,000 µg/L in 1Q2009).
- TCE was detected at most monitoring wells at concentrations above the California Primary MCL of 5 µg/L in each sampling event. TCE concentrations over 1,000 µg/L

were reported for Wells OW1A (3,300 µg/L in 1Q2008) and OW8A (1,400 µg/L in 1Q2008), OW9 (1,200 µg/L in 1Q2009), and MW31 (1,000 µg/L in 3Q2009).

- F11 was detected at a few wells in each sampling event. Detections above the California Primary MCL (150 µg/L) were reported for Wells OW2 (190 µg/L in 1Q2008), OW5 (180 µg/L in 1Q2008), OW8A (360 µg/L in 1Q2008), OW9 (280 µg/L in 1Q2009), MW1A (150 µg/L in 1Q2009 & 3Q2009), MW5 (210 µg/L in 1Q2008), MW14 (150 µg/L in 1Q2008), MW15 (370 µg/L in 1Q2008), MW23A (170 µg/L in 1Q2008), and MW23C (160 µg/L in 3Q2009).
- F113 was detected in samples from a few wells in each sampling event. Detections over 500 µg/L were reported for Wells OW2 (1,100 µg/L in 1Q2009), OW5 (540 µg/L in 1Q2008), OW9 (930 µg/L in 1Q2008), MW5 (580 µg/L in 1Q2008), MW15 (1,000 µg/L in 1Q2008), and MW23A (750 µg/L in 1Q2008).
- Cis-1,2-DCE was detected at most wells in each sampling event. The California Primary MCL is 6 µg/L and detections greater than 100 µg/L were reported at Wells MW1A (170 J µg/L in 1Q2009), MW17A (170 J µg/L in 1Q2008), and MW12 (110 µg/L in 3Q2009). The remaining detections were generally less than 40 µg/L.
- 1,1-DCE was detected at most wells in each sampling event, generally at concentrations above the California Primary MCL (6 µg/L). 1,1-DCE concentrations over 500 µg/L were reported for Wells OW9 (1,600 µg/L in 3Q2009), OW8A (750 µg/L in 1Q2009), OW1A (730 µg/L in 1Q2008), OW3A (600 µg/L in 3Q2009), and OW2 (550 µg/L in 1Q2009).
- 1,1-DCA was detected at more than 20 wells in each sampling event. The California Primary MCL for 1,1-DCA is 5 µg/L and the maximum concentrations were detected at Well MW17A (100 µg/L in 1Q2008), Well OW8A (74J µg/L in 1Q2009), and Well OW9 (46J µg/L in 3Q2009).
- Chloroform was detected at most wells in each sampling event. Chloroform concentrations over 100 µg/L were reported for Well OW9 (1,100 µg/L in 3Q2009 and 1Q2009), OW8A (770 µg/L in 1Q2009), MW1A (210 µg/L in 3Q2009), and OW5 (120 µg/L in 1Q2008). These values exceed the EPA Primary MCL of 80 µg/L, which applies to total trihalomethanes (these include bromoform, bromodichloromethane, chloroform, and dibromochloromethane).
- Other chemical compounds were detected at only a few monitoring wells, with generally lower concentrations.

4.3 Plume Extent for Main Contaminants

- For each sampling event, plume maps were prepared for PCE, TCE, F11, F113, 1,4-dioxane, and 1,2-DCA to show the lateral extent of contamination at the Omega Site for these chemical compounds.
- The PCE plume is continuous over OU2. The distribution of PCE for these three quarters remained generally the same. PCE concentrations greater than 5 µg/L extend west-

southwest downgradient from the former Omega property to near EPA Well MW29. Concentrations exceeding 500 µg/L are associated with the Omega property and with another source area identified as the AMK.

- The TCE plume is continuous over OU2. The distribution of TCE for these three quarters generally remained the same and is similar to the distribution of PCE.
- The Freon plumes are continuous over OU2. The distribution of F113 is similar to the distribution of F11.
- The distributions of 1,2-DCA were similar for the three sampling events. The 1,2-DCA plume is narrow and follows the main contaminant transport pathway from the former Omega property; the plume is collocated with the zone of high PCE and TCE concentrations. The plume appeared to be continuous over OU2 in 2008. In 2009, 1,2-DCA concentrations declined in the area between MW23 and OW9 to ND levels.
- The distributions of 1,4-dioxane were similar for the three sampling events. The plume appears to be continuous over OU2 but covers a smaller extent than PCE or TCE.

4.4 Freon Ratios

- The ratios of concentrations of F113 and F11 were evaluated to identify indications of potential sources of Freons other than the former Omega facility. The ratios fall within a narrow range of 1.1 to 4.1 with a few exceptions. The narrow ratio range of the Freon ratios is not indicative of another source of Freon contamination that is significantly different from that of the former Omega property. However, it is noted that because of the limitations of this analysis, only a substantial change in the F113/F11 ratio resulting from a substantial release of Freon(s) to groundwater could have been distinguished.

4.5 Temporal Concentration Trends

Statistical trend analyses were conducted to help in assessing the temporal concentration changes of the various contaminants in groundwater at the Omega Site, with the following findings:

- In general, a decreasing trend was observed for the majority of contaminants (except PCE, which showed increasing trend at some locations) at the wells located in the vicinity of and immediately downgradient of the Omega facility.
- Increasing VOC concentration trends were observed at several monitoring wells, most of which are located downgradient of the wells with decreasing trends, and at locations closer to the AMK properties.
- Wells situated in the southern portion of OU2 generally showed no significant VOC concentration trend. It is noted, however, that these wells generally have shorter monitoring records than wells located in the northern portion of OU2, which affects the trend determination.

- PCE showed increasing trend at multiple locations, including the Omega Site and other facilities. TCE trends are similar although less pronounced.
- F11 and F113, in contrast to PCE and TCE, showed decreasing trend near the Omega facility and increasing trend downgradient of the wells with decreasing trend (between Slauson Avenue and AMK). These trends may suggest that there is currently no substantial release of Freons into the aquifer at OU1. The center of the mass of the Freon plume may currently be at the locations where the Freon concentrations are increasing.
- Although MW23D data were not sufficient for statistical trend analysis, or they resulted in no significant trend, visual inspection of the time series charts shows increasing apparent trends for most detected compounds. Such increasing trends at MW23D would be significant, suggesting that downward vertical migration of the contamination into the deeper aquifer units is currently occurring.

4.6 Other Facility-Specific Data

Reports with groundwater analytical data were obtained for the following facilities located within the Omega OU2 area:

- Mission Linen Supply at 11904-11920 E Washington Boulevard, Whittier (CGC Environmental, 2009)
- Angeles Chemical Company at 8915 Sorensen Avenue, Santa Fe Springs (Clean Soil, Inc., 2009a and 2009b)
- McKesson Corporation at 9005 Sorensen Avenue, Santa Fe Springs (GeoSyntec Consultants, Inc., 2009)
- PhibroTech, Inc. at 8851 Dice Road, Santa Fe Springs (Iris Environmental, 2010)
- Techni-Braze, Inc. at 11845 Burke Street, Santa Fe Springs (LFR, 2008)
- Pilot Chemical Company at 11756 Burke Street, Santa Fe Springs (URS, 2010)
- Site C at 9120–9160 Norwalk Boulevard and 11925–11933 Los Nietos Road, Santa Fe Springs (URS, 2008)

The following is a summary of key VOC detections at these facilities:

- PCE and TCE were detected at the following facilities: Techni Braze, Inc. (PCE up to 6,100 µg/L, TCE up to 150 µg/L in 3Q2008), Pilot Chemical Company (PCE up to 140 µg/L, TCE up to 89 µg/L in 2009), Phibro-Tech, Inc. (PCE up to 130 µg/L, TCE up to 98 µg/L in 3Q2009), Site C (PCE up to 110 µg/L, TCE up to 85 µg/L in 2007), Mission Linen Supply (PCE up to 460, TCE up to 11 µg/L in 1Q2009), the former Angeles Chemical Company (PCE up to 344 µg/L, TCE up 305 µg/L in 1Q2009), and the former McKesson facility (PCE up to 1,100 µg/L, TCE up to 820 µg/L in 1Q2009).
- F11 was detected at Phibro-Tech, Inc. (up to 16 µg/L in 3Q2009), and the former McKesson facility (up to 84 µg/L in 1Q2009); F113 was also detected at Phibro-Tech, Inc. (up to 34 µg/L in 3Q2009).

- 1,2-DCA was detected at the following facilities: Techni Braze, Inc. (up to 0.64 µg/L in 3Q2008), Pilot Chemical Company (up to 500 µg/L in 2009), Phibro-Tech, Inc. (up to 19 µg/L in 3Q2009), Site C (up to 26 µg/L in 2007), the former Angeles Chemical Company (up 2.8 µg/L in 1Q2009), and the former McKesson facility (up to 5300 µg/L in 1Q2009).
- 1,4-DCE was detected at Phibro-Tech, Inc. (up to 63 µg/L in 3Q2009), the former Angeles Chemical Company (up 12,200 µg/L in 1Q2009) and the former McKesson facility (up to 120 µg/L in 1Q2009).

5. Recommendations

CH2M HILL recommends the following actions in 2010:

- Continue sampling for VOCs, including 1,4-dioxane. Sample EPA wells every first and third quarter concurrently with OPOG sampling. Collect split samples only from OPOG wells. It is assumed that OPOG will provide EPA with the analytical results for their well sampling.
- The 2010 annual report should include plume maps for the same compounds as this report, temporal trends and trend maps, and Freon ratio analysis.
- The interpretation of Freon ratios should be discontinued if the results for 2010 are inconclusive.
- EPA should confirm the existence of the remaining former Oil Field Reclamation Project (OFRP) Wells MW12, MW19, and MW21 and attempt to measure water levels and collect samples for VOC analysis. The sampling will be limited to collecting grab samples using disposable bailers without purging the wells.
- EPA should split-sample, or request analysis for F113 for former CENCO Refinery (CENCO) Wells MW101, MW105, MW201, MW603, MW605, and MW606.
- EPA should obtain analytical results and water levels from groundwater monitoring at Ashland; CENCO; Waste Disposal, Inc. (WDI); McKesson Chemical; Angeles Chemical Company; Phibro-Tech, Inc.; Techni Braze, Inc.; Pilot Chemical Company; Foss Plating; Mission Linen; Sites B, C, I, J, and K; and water levels for Golden West Refinery through interagency data sharing and include them in future monitoring reports.

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Tables

TABLE 1-1
Omega Well Construction Details
Omega Chemical Superfund Site

Well ID	X Coordinate (meters)	Y Coordinate (meters)	Surface Elevation (feet amsl)	TOC Elevation (feet amsl)	Depth to Screen Top (feet bgs)	Depth to Screen Bottom (feet bgs)	Total Depth (feet bgs)	Total Depth Drilled (feet bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet bgs)	Filter Pack Bottom (feet bgs)	Drilling Method	Annular Seal Material	Annular Seal Top (feet bgs)	Annular Seal Bottom (feet bgs)
OW1A	403554.4000	3759242.1000	209.99	212.50	63	77.5	77.5	80	10	4	SST	0.02	SCH40 PVC	2/12	59	78	hollow stem auger	neat slurry	3.5	56.2
OW1B	403542.8490	3759236.7550	207.37	207.18	110	120	120	130	10	4	SST	0.02	Mild Steel	2/12	99	130	hollow stem auger	95/5 slurry bentonite pellets	0 96	96 99
OW2	403461.2000	3759246.6000	203.24	202.30	60	80	80	85	10	4	SST	0.02	Mild Steel	2/12	55	85	hollow stem auger	95/5 slurry bentonite pellets	0 50	50 55
OW3A	403503.4000	3759170.1000	199.08	198.53	63	83	83	85	10	4	SST	0.02	Mild Steel	2/12	58	85	hollow stem auger	95/5 slurry bentonite pellets	0 53	53 58
OW3B*	403522.0000	3759148.0000	197.77	197.06	112	122	122	139	10	4	SST	0.01	SCH40 PVC	2/12	106	126	mud rotary	95/5 slurry bentonite chips #30 transition sand	0 99 105	99 105 107
OW4A	403320.6000	3759071.9000	184.93	184.67	49.8	69.8	69.8	80	10	4	SST	0.02	Mild Steel	2/12	47.7	75.7	hollow stem auger	95/5 slurry bentonite pellets	2 42.5	42.5 47.7
OW4B	403317.0360	3759072.3480	184.95	184.50	112	122.3	122.3	132	10	4	SST	0.02	Mild Steel	2/12	109.5	132	hollow stem auger	95/5 slurry bentonite pellets	2 105	105 109.5
OW5	402744.6000	3758929.8000	154.88	154.16	30	50	50	52	10	4	SST	0.02	SCH40 PVC	2/12	25	51	hollow stem auger	95/5 slurry bentonite	0 20	20 25
OW6	403207.7000	3758942.3000	173.14	172.74	38	58	58	61.5	10	4	SST	0.02	Mild Steel	2/12	36	59	hollow stem auger	95/5 slurry bentonite chips	2 30.5	30.5 36
OW7	403600.4000	3759301.6000	215.54	214.21	70.9	90.9	90.9	92	10	4	SST	0.02	Mild Steel	2/12	65	92.5	hollow stem auger	95/5 slurry bentonite pellets	2 60.6	60.6 65
OW8A	403481.6370	3759209.4910	201.20	200.64	60.4	80	80	81	10	4	SST	0.02	Mild Steel	2/12	55	81	hollow stem auger	95/5 slurry bentonite pellets	2 51	51 55
OW8B	403480.0430	3759212.7890	201.43	200.82	116	126	126	143	10	4	SST	0.01	SCH40 PVC	2/12	111.3	128	mud rotary	95/5 slurry	2	110
MW1A	402749.8678	3759022.8370	157.81	157.71	45	60	60	60	10	4	SCH40 PVC	0.02	SCH40 PVC	3	41.5	60	hollow stem auger	95/5 slurry medium chips	1 35	35 42
MW1B	402749.9621	3759020.3187	158.10	158.05	75	85.4	85.4	95	10	4	SCH40 PVC	0.02	SCH40 PVC	3	72	86	hollow stem auger	95/5 slurry bentonite pellets	1 67	67 72
MW2	402799.4810	3758870.1561	154.24	154.21	45	60	60	60	10	4	SCH40 PVC	0.02	SCH40 PVC	3	42.5	60	hollow stem auger	95/5 slurry bentonite pellets	1 38	38 42
MW3	402931.5361	3758376.4901	151.86	151.48	38	48	48	51.3	10	4	SCH40 PVC	0.02	SCH40 PVC	3	35.5	48	hollow stem auger	95/5 slurry bentonite chips	1 32	32 36
MW4A	402537.1475	3758403.1393	147.02	146.80	42.7	53	53	53	10	4	SCH40 PVC	0.02	SCH40 PVC	3	38.5	53	hollow stem auger	95/5 slurry bentonite chips	1 36	36 38.5
MW4B	402539.6698	3758404.8988	147.00	146.84	69.7	80	80	125	10	2	SCH40 PVC	0.02	SCH40 PVC	3	67	80	mud rotary	95/5 slurry bentonite chips/pellets	1 61.5	61.5 67
MW4C	402539.8674	3758404.7150	147.39	147.10	88.7	99	99	125	10	2	SCH40 PVC	0.02	SCH40 PVC	3	85	99.5	mud rotary	bentonite pellets	80	85
MW5	402519.7145	3758707.9616	150.84	150.60	43.3	53.3	53.3	53	10	4	SCH40 PVC	10.00	SCH40 PVC	3	40.5	53.3	hollow stem auger	95/5 slurry bentonite chips	1 34	34 40.5
MW6	402213.7998	3758823.5521	150.39	150.28	37.1	47.5	47.5	47.5	10	4	SCH40 PVC	0.02	SCH40 PVC	3	35	47.5	hollow stem auger	95/5 slurry bentonite pellets	1 32	32 35
MW7	402772.1185	3757891.0470	143.59	143.28	35.8	46	46	46	10	4	SCH40 PVC	0.02	SCH40 PVC	3	31	46	hollow stem auger	95/5 slurry bentonite chips	1 28	28 31
MW8A	402025.0430	3758460.7972	150.44	150.14	30	45	45	45	10	4	SCH40 PVC	0.02	SCH40 PVC	3	27	45	hollow stem auger	95/5 slurry bentonite chips	1 22	22 27

TABLE 1-1
Omega Well Construction Details
Omega Chemical Superfund Site

Well ID	X Coordinate (meters)	Y Coordinate (meters)	Surface Elevation (feet amsl)	TOC Elevation (feet amsl)	Depth to Screen Top (feet bgs)	Depth to Screen Bottom (feet bgs)	Total Depth (feet bgs)	Total Depth Drilled (feet bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet bgs)	Filter Pack Bottom (feet bgs)	Drilling Method	Annular Seal Material	Annular Seal Top (feet bgs)	Annular Seal Bottom (feet bgs)
MW8B	402028.6156	3758457.7772	150.33	150.03	65	75	75	93	10	2	SCH40 PVC	0.02	SCH40 PVC	3	63	75	hollow stem auger	95/5 slurry bentonite pellets	1 59	59 63
MW8C	402028.4773	3758457.8119	150.33	150.03	86.7	91.7	91.7	93	10	2	SCH40 PVC	0.02	SCH40 PVC	3	84	93	hollow stem auger	bentonite pellets	75	83.5
MW8D	402021.5454	3758462.1309	150.09	149.91	110	120	120	150	10	4	SCH40 PVC	0.02	SCH40 PVC	3	108	122.5	mud rotary	95/5 slurry bentonite pellets	1 103	103 108
MW9A	401709.5798	3758510.4304	148.88	148.84	25	35	35	90	10	4	SCH40 PVC	0.02	SCH40 PVC	3	23	35	hollow stem auger	95/5 slurry bentonite chips	1 18	18 23
MW9B	401711.8963	3758510.1513	149.06	148.90	49.8	60	60	65	10	4	SCH40 PVC	0.02	SCH40 PVC	3	47	65	hollow stem auger	95/5 slurry bentonite pellets	1 44	44 47
MW10	402019.5356	3757645.7219	147.40	147.45	52	62	62	65	10	4	SCH40 PVC	0.02	SCH40 PVC	3	49	65	hollow stem auger	95/5 slurry bentonite pellets	1 45	45 49
MW11	402265.9120	3757445.4058	150.94	150.89	40	50	50	55	10	4	SCH40 PVC	0.02	SCH40 PVC	3	38	55	hollow stem auger	95/5 slurry bentonite chips	1 31	31 37
MW12	403349.1800	3759544.0500	220.53	220.87	82	97	102.18	102	6	2	SCH80 PVC	0.01	SCH80 PVC	30	80	102	sonic	95/5 slurry	1	80
MW13A	403429.2800	3759304.2900	206.33	206.02	56	66	72.2	71	10	2	SCH80 PVC	0.02	SCH80 PVC	2/16	54	69	mud rotary	95/5 slurry medium chips	1 52	52 54
MW13B	403429.2800	3759304.2900	206.33	205.88	123	133	138.4	138	10	2	SCH80 PVC	0.02	SCH80 PVC	2/16	121	139	mud rotary	medium chips 1:1 medium chips	69 71 119	71 119 121
MW14	403113.1900	3759053.8700	172.97	172.63	60	75	79.91	80	6	2	SCH80 PVC	0.02	SCH80 PVC	2/12	57	80	sonic	95/5 slurry medium chips	1 55	55 57
MW15	402532.6800	3758539.7300	148.65	148.28	50	70	74.95	75	6	2	SCH80 PVC	0.01	SCH80 PVC	2/12	48	75	sonic	95/5 slurry medium chips	1 46	46 48
MW16A	401492.7800	3757951.1300	153.47	153.19	45	60	65.93	65	8.75	2	SCH80 PVC	0.02	SCH80 PVC	2/16	43	60	mud rotary	95/5 slurry medium chips	1 40	40 43
MW16B	401492.7800	3757951.1300	153.47	153.19	106	116	120.19	121	8.75	2	SCH80 PVC	0.02	SCH80 PVC	2/16	104	118	mud rotary	1:1 medium chips	65 102	102 104
MW16C	401492.7800	3757951.1300	153.47	153.26	149	164	169.7	169	8.75	2	SCH80 PVC	0.02	SCH80 PVC	3	147	169	mud rotary	medium chips 1:1 medium chips	118 121 145	121 145 147
MW17A	401264.1800	3757463.4200	159.40	159.03	56	71	75.67	76	8.75	2	SCH80 PVC	0.02	SCH80 PVC	2/16	54	73	mud rotary	95/5 slurry medium chips	1 52	52 54
MW17B	401264.1800	3757463.4200	159.40	158.90	94	104	109.7	109	8.75	2	SCH80 PVC	0.02	SCH80 PVC	2/16	92	107	mud rotary	medium chips 1:1 medium chips	73 76 90	76 90 92
MW17C	401264.1800	3757463.4200	159.40	159.00	172	182	187.15	187	8.75	2	SCH80 PVC	0.02	SCH80 PVC	2/16	170	190	mud rotary	medium chips 1:1 medium chips	107 109 168	109 168 170
MW18A	402590.5500	3757631.0500	144.32	143.73	56	71	75.95	76	8.75	2	SCH80 PVC	0.02	SCH80 PVC	2/16	54	76	mud rotary	95/5 slurry medium chips	1 52	52 54
MW18B	402590.5500	3757631.0500	144.32	143.83	90	100	105.47	105	8.75	2	SCH80 PVC	0.02	SCH80 PVC	2/16	88	103	mud rotary	1:1 medium chips	76 86	86 88
MW18C	402590.5500	3757631.0500	144.32	143.83	146	161	166.6	166	8.75	2	SCH80 PVC	0.02	SCH80 PVC	2/16	144	164	mud rotary	medium chips 1:1 medium chips	103 105 142	105 142 144
MW19	401687.0600	3756760.8500	159.01	158.73	56	71	74.8	76	6	2	SCH80 PVC	0.02	SCH80 PVC	2/16	54	76	sonic	95/5 slurry medium chips	1 52	51 54
MW20A	400670.8400	3756601.7200	142.07	141.31	75	90	94.7	95	10	2	SCH80 PVC	0.02	SCH80 PVC	2/12	73	87	mud rotary	95/5 slurry medium chips	1 70	70 73

TABLE 1-1
Omega Well Construction Details
Omega Chemical Superfund Site

Well ID	X Coordinate (meters)	Y Coordinate (meters)	Surface Elevation (feet amsl)	TOC Elevation (feet amsl)	Depth to Screen Top (feet bgs)	Depth to Screen Bottom (feet bgs)	Total Depth (feet bgs)	Total Depth Drilled (feet bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet bgs)	Filter Pack Bottom (feet bgs)	Drilling Method	Annular Seal Material	Annular Seal Top (feet bgs)	Annular Seal Bottom (feet bgs)
MW20B	400670.8400	3756601.7200	142.07	141.32	122	132	137.7	137	10	2	SCH80 PVC	0.02	SCH80 PVC	2/12	120	137	mud rotary	medium chips 1:1 medium chips	87 89 118	89 118 120
MW20C	400670.8400	3756601.7200	142.07	141.35	180	190	195.2	195	10	2	SCH80 PVC	0.02	SCH80 PVC	2/12	178	196	mud rotary	medium chips 1:1 medium chips	132 134 176	134 176 178
MW21	400223.2600	3756893.9900	129.27	128.81	64	79	84.8	84	6	2	SCH80 PVC	0.02	SCH80 PVC	2/16	61	83	sonic	95/5 slurry medium chips	1 59	59 61
MW22	400466.1900	3757381.9000	151.47	150.82	74	89	93.83	94	6	2	SCH80 PVC	0.02	SCH80 PVC	2/16	71	94	sonic	95/5 slurry medium chips	1 68	68 71
MW23A	402207.2296	3758346.3553	149.07	148.76	35	55	60.00	62	8	4	SCH80 PVC	0.02	SCH80 PVC	3	32	62	sonic	95/5 slurry medium chips	1 26	26 32
MW23B	402203.7800	3758349.1800	149.36	149.06	82	97	101.6	102	10	2	SCH80 PVC	0.02	SCH80 PVC	2/16	86	99	mud rotary	95/5 slurry transitional sand	1 85	85 86
MW23C	402203.7800	3758349.1800	149.36	149.07	145	160	164.55	165	10	2	SCH80 PVC	0.02	SCH80 PVC	2/16	143	162	mud rotary	medium chips 1:1 transitional sand	99 102 142	102 142 143
MW23D	402203.7800	3758349.1800	149.36	148.04	175	185	189.8	190	10	2	SCH80 PVC	0.02	SCH80 PVC	2/16	173	190	mud rotary	medium chips 1:1 transitional sand	161 164 171	164 171 173
MW24A	402993.5009	3758908.7331	162.44	162.04	50	70	75	200	16	4	SCH80 PVC	0.02	SCH80 PVC	3	47	75	mud rotary	95/5 slurry medium chips	1 40	40 47
MW24B	402993.3534	3758908.7679	162.44	162.03	110	125	130	200	16	2	SCH80 PVC	0.02	SCH80 PVC	3	107	130	mud rotary	1:1 medium chips	75 100	100 107
MW24C	402993.4479	3758908.9665	162.44	162.02	140	160	165	200	16	4	SCH80 PVC	0.02	SCH80 PVC	3	137	163	mud rotary	medium chips	130	137
MW24D	402993.5391	3758908.8547	162.44	162.05	173	178	183	200	16	2	SCH80 PVC	0.02	SCH80 PVC	3	170	185	mud rotary	medium chips	163	170
MW25A	401814.5784	3757890.5951	148.25	147.90	45	65	70	220	14.5	4	SCH80 PVC	0.02	SCH80 PVC	3	41	71	mud rotary	95/5 slurry medium chips	1 35	35 41
MW25B	401814.5418	3757890.6288	148.25	147.84	90	110	115	220	14.5	2	SCH80 PVC	0.02	SCH80 PVC	3	85	116	mud rotary	1:1 medium chips	71 80	80 85
MW25C	401814.5418	3757890.6288	148.25	147.86	140	150	155	220	14.5	4	SCH80 PVC	0.02	SCH80 PVC	3	135	156	mud rotary	1:1 medium chips	116 130	130 135
MW25D	401814.5418	3757890.6288	148.25	147.87	194	209	214	220	14.5	2	SCH80 PVC	0.02	SCH80 PVC	3	189	220	mud rotary	1:1 medium chips	156 184	184 189
MW26A	401270.0608	3757125.1557	155.98	155.62	70	90	95	250	14.5	4	SCH80 PVC	0.02	SCH80 PVC	3	65	93	mud rotary	95/5 slurry medium chips	1 57	57 65
MW26B	401269.9123	3757125.0907	155.98	155.45	105	120	125	250	14.5	2	SCH80 PVC	0.02	SCH80 PVC	3	100	126.5	mud rotary	medium chips	93	100
MW26C	401270.0435	3757125.2668	155.98	155.41	145	160	165	250	14.5	2	SCH80 PVC	0.02	SCH80 PVC	3	140	166	mud rotary	1:1 medium chips	126.5 135	135 140
MW26D	401269.9045	3757125.2349	155.98	155.37	185	205	210	250	14.5	2	SCH80 PVC	0.02	SCH80 PVC	3	180	212	mud rotary	1:1 medium chips	166 175	175 180
MW27A	400902.9714	3755901.7834	139.47	139.24	90	110	115	225	14.5	4	SCH80 PVC	0.02	SCH80 PVC	2/12	87	115	mud rotary	95/5 slurry medium chips	1 78	78 87
MW27B	400903.0537	3755901.6938	139.47	139.18	144	164	169	225	14.5	4	SCH80 PVC	0.02	SCH80 PVC	2/12	141	168	mud rotary	1:1 medium chips	115 130	130 141
MW27C	400902.8870	3755901.6623	139.47	139.17	180	190	195	225	14.5	2	SCH80 PVC	0.02	SCH80 PVC	2/12	177	193	mud rotary	medium chips	168	177

TABLE 1-1
Omega Well Construction Details
Omega Chemical Superfund Site

Well ID	X Coordinate (meters)	Y Coordinate (meters)	Surface Elevation (feet amsl)	TOC Elevation (feet amsl)	Depth to Screen Top (feet bgs)	Depth to Screen Bottom (feet bgs)	Total Depth (feet bgs)	Total Depth Drilled (feet bgs)	Borehole Diameter (inches)	Casing Diameter (inches)	Screen Material	Screen Slot Size (inches)	Casing Material	Filter Pack Grade	Filter Pack Top (feet bgs)	Filter Pack Bottom (feet bgs)	Drilling Method	Annular Seal Material	Annular Seal Top (feet bgs)	Annular Seal Bottom (feet bgs)
MW27D	400902.9879	3755901.5947	139.47	139.13	200	210	215	225	14.5	2	SCH80 PVC	0.02	SCH80 PVC	2/12	197	225	mud rotary	medium chips	193	197
MW28	400066.1942	3755133.6448	120.40	119.91	85	105	110	112	8	4	SCH80 PVC	0.02	SCH80 PVC	3	80	112	sonic	95/5 slurry medium chips	1 74	74 80
MW29	400888.7643	3753618.8894	107.34	107.10	90	110	115	117	8	4	SCH80 PVC	0.02	SCH80 PVC	3	87	117	sonic	95/5 slurry medium chips	1 80	80 87
MW30	401820.1912	3753277.4081	107.24	106.70	95	115	120	130	8	4	SCH80 PVC	0.02	SCH80 PVC	3	91	120	sonic	95/5 slurry medium chips medium chips	1 85 120	85 91 130
MW31	403391.2061	3759680.342	233.00	232.67	106	121	126	126	8	2	SCH80 PVC	0.01	SCH80 PVC	2/16	103	126	hollow stem auger	95/5 slurry bentonite chips #60 transition sand	1 99.5 102.6	99.5 102.6 103
EW1	402022.7900	3758460.3700	150.02	149.51	65	75	80	80	8.75	4	SCH80 PVC	0.02	SCH80 PVC	2/12	63	78	mud rotary	95/5 slurry medium chips	1 60	60 63

Notes:
* Survey information for OW3B is not currently available. Coordinates are approximate.
X and Y coordinates surveyed in UTM meters, NAD 83, Zone 11
Surface and TOC elevations surveyed in NGVD 88 datum, benchmark of DYHS (Downey High School)

Abbreviations:
amsl = above mean sea level
bgs = below ground surface
SCH = schedule
PVC = polyvinyl chloride
SST = stainless steel
TOC = top of casing

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
MW1A	45-60	08/19/02	33.74	157.71	123.97	Weston
		11/18/02	35.65	157.71	122.06	Weston
		02/26/03	34.68	157.71	123.03	Weston
		05/21/03	32.33	157.71	125.38	Weston
		03/04/04	39.04	157.71	118.67	CH2M HILL
		06/23/04	39.77	157.71	117.94	CH2M HILL
		09/14/04	41.02	157.71	116.69	CH2M HILL
		12/07/04	42.65	157.71	115.06	CH2M HILL
		03/02/05	41.88	157.71	115.83	CH2M HILL
		06/21/05	34.91	157.71	122.80	CH2M HILL
		09/01/05	33.36	157.71	124.35	CH2M HILL
		03/08/06	33.84	157.71	123.87	CH2M HILL
		05/23/06	32.51	157.71	125.20	CH2M HILL
		09/08/06	33.08	157.71	124.63	CH2M HILL
		03/07/07	33.84	157.71	123.87	CH2M HILL
		07/25/07	33.55	157.71	124.16	CH2M HILL
		02/26/08	38.46	157.71	119.25	CH2M HILL
		03/04/09	44.32	157.71	113.39	CH2M HILL
		09/11/09	46.70	157.71	111.01	CH2M HILL
MW1B	75-85.4	08/28/02	34.05	158.05	124.00	Weston
		11/18/02	35.10	158.05	122.95	Weston
		02/26/03	34.56	158.05	123.49	Weston
		05/21/03	32.32	158.05	125.73	Weston
		03/04/04	38.93	158.05	119.12	CH2M HILL
		06/23/04	39.64	158.05	118.41	CH2M HILL
		09/14/04	40.91	158.05	117.14	CH2M HILL
		12/07/04	42.51	158.05	115.54	CH2M HILL
		03/02/05	41.73	158.05	116.32	CH2M HILL
		06/21/05	34.91	158.05	123.14	CH2M HILL
		09/01/05	33.22	158.05	124.83	CH2M HILL
		03/08/06	33.80	158.05	124.25	CH2M HILL
		05/23/06	32.39	158.05	125.66	CH2M HILL
		09/08/06	32.96	158.05	125.09	CH2M HILL
		03/07/07	33.68	158.05	124.37	CH2M HILL
		07/25/07	33.42	158.05	124.63	CH2M HILL
		02/26/08	38.33	158.05	119.72	CH2M HILL
		03/04/09	44.20	158.05	113.85	CH2M HILL
		09/11/09	46.57	158.05	111.48	CH2M HILL
MW2	45-60	08/19/02	30.05	154.21	124.16	Weston
		11/20/02	31.88	154.21	122.33	Weston
		03/03/03	31.18	154.21	123.03	Weston
		05/22/03	29.05	154.21	125.16	Weston
		03/04/04	35.20	154.21	119.01	CH2M HILL
		06/22/04	35.91	154.21	118.30	CH2M HILL
		09/14/04	37.20	154.21	117.01	CH2M HILL
		12/08/04	45.20	154.21	109.01	CH2M HILL
		03/02/05	37.98	154.21	116.23	CH2M HILL
		06/21/05	31.88	154.21	122.33	CH2M HILL
		09/02/05	30.17	154.21	124.04	CH2M HILL
		03/08/06	30.40	154.21	123.81	CH2M HILL
		05/24/06	29.02	154.21	125.19	CH2M HILL
		09/07/06	29.52	154.21	124.69	CH2M HILL
		03/05/07	30.31	154.21	123.90	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		07/26/07	30.08	154.21	124.13	CH2M HILL
		02/29/08	34.68	154.21	119.53	CH2M HILL
		03/06/09	40.27	154.21	113.94	CH2M HILL
		09/14/09	42.71	154.21	111.50	CH2M HILL
MW3	38-48	08/19/02	28.05	151.48	123.43	Weston
		11/13/02	29.51	151.48	121.97	Weston
		02/24/03	29.05	151.48	122.43	Weston
		05/16/03	27.85	151.48	123.63	Weston
		03/04/04	32.33	151.48	119.15	CH2M HILL
		06/24/04	33.30	151.48	118.18	CH2M HILL
		09/16/04	34.38	151.48	117.10	CH2M HILL
		12/08/04	35.42	151.48	116.06	CH2M HILL
		03/02/05	30.88	151.48	120.60	CH2M HILL
		06/24/05	30.18	151.48	121.30	CH2M HILL
		09/01/05	29.10	151.48	122.38	CH2M HILL
		03/09/06	28.90	151.48	122.58	CH2M HILL
		05/18/06	28.57	151.48	122.91	CH2M HILL
		09/07/06	28.20	151.48	123.28	CH2M HILL
		03/06/07	28.94	151.48	122.54	CH2M HILL
		07/19/07	28.76	151.48	122.72	CH2M HILL
		02/21/08	31.82	151.48	119.66	CH2M HILL
		03/02/09	36.50	151.48	114.98	CH2M HILL
		09/11/09	38.71	151.48	112.77	CH2M HILL
MW4A	42.7-53	08/19/02	25.74	146.80	121.06	Weston
		11/14/02	27.39	146.80	119.41	Weston
		02/18/03	26.37	146.80	120.43	Weston
		05/19/03	24.50	146.80	122.30	Weston
		03/04/04	30.37	146.80	116.43	CH2M HILL
		06/21/04	31.07	146.80	115.73	CH2M HILL
		09/16/04	32.40	146.80	114.40	CH2M HILL
		12/06/04	33.78	146.80	113.02	CH2M HILL
		02/28/05	31.76	146.80	115.04	CH2M HILL
		06/21/05	31.07	146.80	115.73	CH2M HILL
		08/30/05	25.56	146.80	121.24	CH2M HILL
		03/07/06	25.90	146.80	120.90	CH2M HILL
		05/19/06	24.56	146.80	122.24	CH2M HILL
		08/29/06	25.03	146.80	121.77	CH2M HILL
		02/26/07	26.03	146.80	120.77	CH2M HILL
		07/24/07	25.51	146.80	121.29	CH2M HILL
		02/26/08	29.66	146.80	117.14	CH2M HILL
		03/05/09	35.15	146.80	111.65	CH2M HILL
		09/04/09	37.20	146.80	109.60	CH2M HILL
MW4B	69.7-80	08/19/02	25.60	146.84	121.24	Weston
		11/14/02	27.22	146.84	119.62	Weston
		02/18/03	26.27	146.84	120.57	Weston
		05/19/03	24.40	146.84	122.44	Weston
		03/04/04	30.24	146.84	116.60	CH2M HILL
		06/21/04	31.01	146.84	115.83	CH2M HILL
		09/13/04	32.22	146.84	114.62	CH2M HILL
		12/06/04	33.69	146.84	113.15	CH2M HILL
		02/28/05	31.60	146.84	115.24	CH2M HILL
		06/21/05	26.59	146.84	120.25	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		08/30/05	25.38	146.84	121.46	CH2M HILL
		03/07/06	25.80	146.84	121.04	CH2M HILL
		05/19/06	24.47	146.84	122.37	CH2M HILL
		08/29/06	24.82	146.84	122.02	CH2M HILL
		02/26/07	25.86	146.84	120.98	CH2M HILL
		07/24/07	25.49	146.84	121.35	CH2M HILL
		02/26/08	29.57	146.84	117.27	CH2M HILL
		03/05/09	35.00	146.84	111.84	CH2M HILL
		09/04/09	37.10	146.84	109.74	CH2M HILL
MW4C	88.7-99	08/19/02	27.52	147.10	119.58	Weston
		11/14/02	29.21	147.10	117.89	Weston
		02/18/03	27.90	147.10	119.20	Weston
		05/19/03	25.89	147.10	121.21	Weston
		03/04/04	32.30	147.10	114.80	CH2M HILL
		06/21/04	33.25	147.10	113.85	CH2M HILL
		09/13/04	34.95	147.10	112.15	CH2M HILL
		12/06/04	36.01	147.10	111.09	CH2M HILL
		02/28/05	33.09	147.10	114.01	CH2M HILL
		06/21/05	27.85	147.10	119.25	CH2M HILL
		08/30/05	26.91	147.10	120.19	CH2M HILL
		03/07/06	27.42	147.10	119.68	CH2M HILL
		05/19/06	26.10	147.10	121.00	CH2M HILL
		08/29/06	26.43	147.10	120.67	CH2M HILL
		02/26/07	27.34	147.10	119.76	CH2M HILL
		07/24/07	27.32	147.10	119.78	CH2M HILL
		02/26/08	31.32	147.10	115.78	CH2M HILL
		03/05/09	37.72	147.10	109.38	CH2M HILL
		09/04/09	40.44	147.10	106.66	CH2M HILL
MW5	43.3-53.3	08/19/02	28.03	150.60	122.57	Weston
		11/20/02	29.97	150.60	120.63	Weston
		02/03/03	28.63	150.60	121.97	Weston
		05/22/03	26.30	150.60	124.30	Weston
		03/04/04	33.44	150.60	117.16	CH2M HILL
		06/22/04	33.98	150.60	116.62	CH2M HILL
		09/14/04	35.32	150.60	115.28	CH2M HILL
		12/06/04	37.10	150.60	113.50	CH2M HILL
		02/28/05	35.75	150.60	114.85	CH2M HILL
		06/21/05	28.51	150.60	122.09	CH2M HILL
		08/30/05	27.18	150.60	123.42	CH2M HILL
		03/07/06	27.80	150.60	122.80	CH2M HILL
		05/24/06	26.31	150.60	124.29	CH2M HILL
		08/29/06	26.94	150.60	123.66	CH2M HILL
		02/26/07	27.89	150.60	122.71	CH2M HILL
		07/18/07	27.55	150.60	123.05	CH2M HILL
		02/26/08	32.64	150.60	117.96	CH2M HILL
		03/05/09	38.94	150.60	111.66	CH2M HILL
		09/04/09	40.99	150.60	109.61	CH2M HILL
MW6	37.1-47.5	08/19/02	28.34	150.28	121.94	Weston
		11/19/02	30.39	150.28	119.89	Weston
		02/03/03	28.59	150.28	121.69	Weston
		05/19/03	25.84	150.28	124.44	Weston
		03/04/04	33.94	150.28	116.34	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		06/22/04	34.45	150.28	115.83	CH2M HILL
		09/14/04	35.98	150.28	114.30	CH2M HILL
		12/07/04	37.84	150.28	112.44	CH2M HILL
		03/02/05	36.08	150.28	114.20	CH2M HILL
		06/21/05	27.81	150.28	122.47	CH2M HILL
		08/30/05	26.57	150.28	123.71	CH2M HILL
		03/07/06	27.67	150.28	122.61	CH2M HILL
		05/23/06	26.16	150.28	124.12	CH2M HILL
		08/30/06	26.81	150.28	123.47	CH2M HILL
		02/28/07	27.72	150.28	122.56	CH2M HILL
		07/18/07	27.50	150.28	122.78	CH2M HILL
		02/25/08	33.01	150.28	117.27	CH2M HILL
		03/04/09	39.93	150.28	110.35	CH2M HILL
		09/04/09	41.90	150.28	108.38	CH2M HILL
MW7	35.8-46	08/19/02	23.54	143.28	119.74	Weston
		11/13/02	23.68	143.28	119.60	Weston
		02/24/03	23.15	143.28	120.13	Weston
		05/19/03	21.90	143.28	121.38	Weston
		03/04/04	25.88	143.28	117.40	CH2M HILL
		06/24/04	26.79	143.28	116.49	CH2M HILL
		09/14/04	27.77	143.28	115.51	CH2M HILL
		12/07/04	28.65	143.28	114.63	CH2M HILL
		03/03/05	25.85	143.28	117.43	CH2M HILL
		06/21/05	23.82	143.28	119.46	CH2M HILL
		08/30/05	23.17	143.28	120.11	CH2M HILL
		03/06/06	23.13	143.28	120.15	CH2M HILL
		05/18/06	22.21	143.28	121.07	CH2M HILL
		08/28/06	22.12	143.28	121.16	CH2M HILL
		02/27/07	22.96	143.28	120.32	CH2M HILL
		07/16/07	22.90	143.28	120.38	CH2M HILL
		02/21/08	25.39	143.28	117.89	CH2M HILL
		03/02/09	29.65	143.28	113.63	CH2M HILL
		09/01/09	31.65	143.28	111.63	CH2M HILL
MW8A	30-45	08/19/02	29.61	150.14	120.53	Weston
		11/15/02	31.62	150.14	118.52	Weston
		02/25/03	30.07	150.14	120.07	Weston
		05/20/03	27.70	150.14	122.44	Weston
		03/04/04	35.21	150.14	114.93	CH2M HILL
		06/23/04	35.53	150.14	114.61	CH2M HILL
		09/14/04	37.02	150.14	113.12	CH2M HILL
		12/09/04	38.72	150.14	111.42	CH2M HILL
		03/01/05	36.94	150.14	113.20	CH2M HILL
		06/21/05	29.65	150.14	120.49	CH2M HILL
		08/31/05	28.31	150.14	121.83	CH2M HILL
		03/06/06	29.40	150.14	120.74	CH2M HILL
		05/16/06	27.93	150.14	122.21	CH2M HILL
		08/30/06	28.44	150.14	121.70	CH2M HILL
		02/28/07	29.36	150.14	120.78	CH2M HILL
		07/17/07	28.91	150.14	121.23	CH2M HILL
		02/25/08	34.13	150.14	116.01	CH2M HILL
		03/03/09	40.60	150.14	109.54	CH2M HILL
		09/03/09	dry	150.14	n/a	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
MW8B	65-75	08/19/02	29.54	150.03	120.49	Weston
		11/15/02	31.55	150.03	118.48	Weston
		02/25/03	30.06	150.03	119.97	Weston
		05/20/03	27.70	150.03	122.33	Weston
		03/04/04	34.95	150.03	115.08	CH2M HILL
		06/23/04	35.45	150.03	114.58	CH2M HILL
		09/15/04	36.96	150.03	113.07	CH2M HILL
		12/09/04	38.63	150.03	111.40	CH2M HILL
		03/01/05	36.85	150.03	113.18	CH2M HILL
		06/21/05	29.55	150.03	120.48	CH2M HILL
		08/31/05	28.24	150.03	121.79	CH2M HILL
		03/06/06	29.26	150.03	120.77	CH2M HILL
		05/16/06	27.72	150.03	122.31	CH2M HILL
		08/30/06	28.27	150.03	121.76	CH2M HILL
		02/28/07	29.28	150.03	120.75	CH2M HILL
		07/17/07	28.73	150.03	121.30	CH2M HILL
		02/25/08	34.04	150.03	115.99	CH2M HILL
		03/03/09	40.50	150.03	109.53	CH2M HILL
		09/03/09	42.40	150.03	107.63	CH2M HILL
MW8C	86.7-91.7	08/19/02	30.51	150.03	119.52	Weston
		11/15/02	32.47	150.03	117.56	Weston
		02/25/03	30.78	150.03	119.25	Weston
		05/20/03	28.37	150.03	121.66	Weston
		03/04/04	35.88	150.03	114.15	CH2M HILL
		06/23/04	36.58	150.03	113.45	CH2M HILL
		09/15/04	38.42	150.03	111.61	CH2M HILL
		12/09/04	39.77	150.03	110.26	CH2M HILL
		03/01/05	37.18	150.03	112.85	CH2M HILL
		06/21/05	30.24	150.03	119.79	CH2M HILL
		08/31/05	29.05	150.03	120.98	CH2M HILL
		03/06/06	30.10	150.03	119.93	CH2M HILL
		05/16/06	28.50	150.03	121.53	CH2M HILL
		08/30/06	29.05	150.03	120.98	CH2M HILL
		02/28/07	29.96	150.03	120.07	CH2M HILL
		07/17/07	29.63	150.03	120.40	CH2M HILL
		02/25/08	34.76	150.03	115.27	CH2M HILL
		03/03/09	41.69	150.03	108.34	CH2M HILL
		09/03/09	43.99	150.03	106.04	CH2M HILL
MW8D	110-120	08/19/02	35.81	149.91	114.10	Weston
		11/15/02	37.54	149.91	112.37	Weston
		02/25/03	34.47	149.91	115.44	Weston
		05/20/03	31.84	149.91	118.07	Weston
		03/04/04	40.98	149.91	108.93	CH2M HILL
		06/23/04	42.65	149.91	107.26	CH2M HILL
		09/15/04	46.08	149.91	103.83	CH2M HILL
		12/09/04	45.90	149.91	104.01	CH2M HILL
		03/01/05	39.32	149.91	110.59	CH2M HILL
		06/21/05	33.54	149.91	116.37	CH2M HILL
		08/31/05	33.08	149.91	116.83	CH2M HILL
		03/07/06	34.25	149.91	115.66	CH2M HILL
		05/16/06	32.36	149.91	117.55	CH2M HILL
		08/30/06	33.35	149.91	116.56	CH2M HILL
		02/28/07	33.77	149.91	116.14	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		07/17/07	34.63	149.91	115.28	CH2M HILL
		02/25/08	39.02	149.91	110.89	CH2M HILL
		03/03/09	48.40	149.91	101.51	CH2M HILL
		09/03/09	52.75	149.91	97.16	CH2M HILL
MW9A	25-35	08/19/02	28.30	148.84	120.54	Weston
		11/19/02	30.47	148.84	118.37	Weston
		02/26/03	28.82	148.84	120.02	Weston
		05/21/03	26.35	148.84	122.49	Weston
		03/04/04	dry	148.84	n/a	CH2M HILL
		06/22/04	dry	148.84	n/a	CH2M HILL
		09/15/04	dry	148.84	n/a	CH2M HILL
		12/07/04	dry	148.84	n/a	CH2M HILL
		03/01/05	34.49	148.84	114.35	CH2M HILL
		06/21/05	28.27	148.84	120.57	CH2M HILL
		08/31/05	26.78	148.84	122.06	CH2M HILL
		03/08/06	28.00	148.84	120.84	CH2M HILL
		05/24/06	26.25	148.84	122.59	CH2M HILL
		09/01/06	27.02	148.84	121.82	CH2M HILL
		03/02/07	28.02	148.84	120.82	CH2M HILL
		07/25/07	27.39	148.84	121.45	CH2M HILL
		02/27/08	32.96	148.84	115.88	CH2M HILL
		03/06/09	34.51	148.84	114.33	CH2M HILL
		09/09/09	dry	148.84	n/a	CH2M HILL
MW9B	49.8-60	08/19/02	34.31	148.90	114.59	Weston
		11/19/02	35.40	148.90	113.50	Weston
		02/26/03	32.37	148.90	116.53	Weston
		05/21/03	29.41	148.90	119.49	Weston
		03/04/04	39.32	148.90	109.58	CH2M HILL
		06/22/04	40.36	148.90	108.54	CH2M HILL
		09/15/04	43.22	148.90	105.68	CH2M HILL
		12/07/04	44.25	148.90	104.65	CH2M HILL
		03/01/05	38.36	148.90	110.54	CH2M HILL
		06/21/05	31.09	148.90	117.81	CH2M HILL
		08/31/05	30.31	148.90	118.59	CH2M HILL
		03/08/06	31.80	148.90	117.10	CH2M HILL
		05/16/06	29.87	148.90	119.03	CH2M HILL
		09/01/06	30.93	148.90	117.97	CH2M HILL
		03/02/07	31.54	148.90	117.36	CH2M HILL
		07/25/07	32.28	148.90	116.62	CH2M HILL
		02/27/08	37.18	148.90	111.72	CH2M HILL
		03/06/09	46.64	148.90	102.26	CH2M HILL
		09/09/09	49.41	148.90	99.49	CH2M HILL
MW10	52-62	08/19/02	33.36	147.45	114.09	Weston
		11/19/02	36.59	147.45	110.86	Weston
		02/24/03	35.07	147.45	112.38	Weston
		05/20/03	33.45	147.45	114.00	Weston
		03/04/04	38.47	147.45	108.98	CH2M HILL
		06/22/04	40.26	147.45	107.19	CH2M HILL
		09/15/04	42.00	147.45	105.45	CH2M HILL
		12/08/04	43.50	147.45	103.95	CH2M HILL
		03/01/05	41.35	147.45	106.10	CH2M HILL
		06/21/05	36.63	147.45	110.82	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		09/01/05	35.12	147.45	112.33	CH2M HILL
		03/09/06	35.15	147.45	112.30	CH2M HILL
		05/23/06	33.73	147.45	113.72	CH2M HILL
		09/07/06	33.58	147.45	113.87	CH2M HILL
		03/06/07	34.25	147.45	113.20	CH2M HILL
		07/20/07	33.96	147.45	113.49	CH2M HILL
		02/21/08	38.51	147.45	108.94	CH2M HILL
		03/03/09	45.42	147.45	102.03	CH2M HILL
		09/02/09	47.80	147.45	99.65	CH2M HILL
MW11	40-50	08/19/02	35.87	150.89	115.02	Weston
		11/19/02	37.61	150.89	113.28	Weston
		02/24/03	37.43	150.89	113.46	Weston
		05/16/03	36.20	150.89	114.69	Weston
		03/04/04	40.87	150.89	110.02	CH2M HILL
		06/24/04	41.72	150.89	109.17	CH2M HILL
		09/15/04	43.08	150.89	107.81	CH2M HILL
		12/08/04	44.32	150.89	106.57	CH2M HILL
		03/03/05	42.83	150.89	108.06	CH2M HILL
		06/21/05	38.98	150.89	111.91	CH2M HILL
		09/02/05	37.75	150.89	113.14	CH2M HILL
		03/09/06	37.60	150.89	113.29	CH2M HILL
		05/18/06	36.58	150.89	114.31	CH2M HILL
		09/07/06	36.34	150.89	114.55	CH2M HILL
		03/06/07	36.77	150.89	114.12	CH2M HILL
		07/23/07	36.59	150.89	114.30	CH2M HILL
		02/21/08	40.36	150.89	110.53	CH2M HILL
		03/02/09	46.02	150.89	104.87	CH2M HILL
		09/02/09	48.32	150.89	102.57	CH2M HILL
MW12	82-97	08/31/05	88.20	220.87	132.67	CH2M HILL
		03/15/06	82.90	220.87	137.97	CH2M HILL
		06/22/06	85.44	220.87	135.43	Aracadis
		08/07/06	83.11	220.87	137.76	CH2M HILL
		09/08/06	82.36	220.87	138.51	CH2M HILL
		03/06/07	83.14	220.87	137.73	CH2M HILL
		07/17/07	83.53	220.87	137.34	CH2M HILL
		02/25/08	84.45	220.87	136.42	CH2M HILL
		03/05/09	88.00	220.87	132.87	CH2M HILL
		09/14/09	89.81	220.87	131.06	CH2M HILL
MW13A	56-66	08/31/05	65.11	206.02	140.91	CH2M HILL
		03/15/06	dry	206.02	n/a	CH2M HILL
		06/22/06	dry	206.02	n/a	Aracadis
		03/06/07	dry	206.02	n/a	CH2M HILL
		07/26/07	dry	206.02	n/a	CH2M HILL
		03/03/08	dry	206.02	n/a	CH2M HILL
		03/06/09	dry	206.02	n/a	CH2M HILL
		09/14/09	dry	206.02	n/a	CH2M HILL
MW13B	123-133	08/31/05	81.05	205.88	124.83	CH2M HILL
		03/15/06	81.85	205.88	124.03	CH2M HILL
		05/15/06	80.33	205.88	125.55	CH2M HILL
		06/22/06	81.75	205.88	124.13	Arcadis
		09/08/06	81.61	205.88	124.27	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		03/06/07	81.68	205.88	124.20	CH2M HILL
		07/26/07	83.26	205.88	122.62	CH2M HILL
		03/03/08	85.39	205.88	120.49	CH2M HILL
		03/06/09	93.72	205.88	112.16	CH2M HILL
		09/14/09	98.27	205.88	107.61	CH2M HILL
MW14	60-75	06/13/06	46.20	172.63	126.43	Arcadis
		08/09/06	46.20	172.63	126.43	CH2M HILL
		09/11/06	46.35	172.63	126.28	CH2M HILL
		03/06/07	47.22	172.63	125.41	CH2M HILL
		07/19/07	46.78	172.63	125.85	CH2M HILL
		02/25/08	50.98	172.63	121.65	CH2M HILL
		03/05/09	55.68	172.63	116.95	CH2M HILL
		09/14/09	58.18	172.63	114.45	CH2M HILL
MW15	50-70	08/31/05	25.40	148.28	122.88	CH2M HILL
		03/15/06	25.75	148.28	122.53	CH2M HILL
		05/24/06	24.41	148.28	123.87	CH2M HILL
		06/22/06	24.57	148.28	123.71	Arcadis
		08/30/06	24.79	148.28	123.49	CH2M HILL
		02/26/07	25.85	148.28	122.43	CH2M HILL
		07/24/07	25.49	148.28	122.79	CH2M HILL
		02/26/08	29.97	148.28	118.31	CH2M HILL
		03/05/09	35.69	148.28	112.59	CH2M HILL
		09/04/09	37.75	148.28	110.53	CH2M HILL
MW16A	45-60	08/31/05	47.36	153.19	105.83	CH2M HILL
		03/13/06	48.03	153.19	105.16	CH2M HILL
		05/18/06	46.37	153.19	106.82	CH2M HILL
		06/22/06	46.07	153.19	107.12	Arcadis
		08/31/06	46.36	153.19	106.83	CH2M HILL
		03/01/07	47.54	153.19	105.65	CH2M HILL
		07/23/07	47.11	153.19	106.08	CH2M HILL
		02/29/08	53.94	153.19	99.25	CH2M HILL
		03/10/09	dry	153.19		CH2M HILL
		09/08/09	dry	153.19		CH2M HILL
MW16B	106-116	08/31/05	48.51	153.19	104.68	CH2M HILL
		03/13/06	48.90	153.19	104.29	CH2M HILL
		06/22/06	46.88	153.19	106.31	Arcadis
		08/07/06	47.03	153.19	106.16	CH2M HILL
		08/31/06	47.25	153.19	105.94	CH2M HILL
		03/01/07	48.17	153.19	105.02	CH2M HILL
		07/23/07	48.23	153.19	104.96	CH2M HILL
		02/29/08	54.28	153.19	98.91	CH2M HILL
		03/10/09	63.79	153.19	89.40	CH2M HILL
		09/08/09	67.35	153.19	85.84	CH2M HILL
MW16C	149-164	08/31/05	51.29	153.26	101.97	CH2M HILL
		03/13/06	50.78	153.26	102.48	CH2M HILL
		06/22/06	49.17	153.26	104.09	Arcadis
		08/07/06	49.35	153.26	103.91	CH2M HILL
		08/31/06	49.63	153.26	103.63	CH2M HILL
		03/01/07	49.80	153.26	103.46	CH2M HILL
		07/23/07	51.69	153.26	101.57	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		02/29/08	55.86	153.26	97.40	CH2M HILL
		03/10/09	65.53	153.26	87.73	CH2M HILL
		09/08/09	71.04	153.26	82.22	CH2M HILL
MW17A	56-71	08/31/05	66.79	159.03	92.24	CH2M HILL
		03/13/06	66.47	159.03	92.56	CH2M HILL
		06/22/06	65.03	159.03	94.00	Arcadis
		08/09/06	64.17	159.03	94.86	CH2M HILL
		09/05/06	64.35	159.03	94.68	CH2M HILL
		03/05/07	65.50	159.03	93.53	CH2M HILL
		07/18/07	64.11	159.03	94.92	CH2M HILL
		03/04/08	70.31	159.03	88.72	CH2M HILL
		03/11/09	dry	159.03		CH2M HILL
		09/08/09	dry	159.03		CH2M HILL
MW17B	94-104	08/31/05	78.52	158.90	80.38	CH2M HILL
		03/13/06	65.95	158.90	92.95	CH2M HILL
		06/22/06	64.07	158.90	94.83	Arcadis
		08/09/06	63.54	158.90	95.36	CH2M HILL
		09/05/06	63.81	158.90	95.09	CH2M HILL
		03/05/07	64.74	158.90	94.16	CH2M HILL
		07/18/07	63.66	158.90	95.24	CH2M HILL
		03/04/08	71.10	158.90	87.80	CH2M HILL
		03/11/09	80.25	158.90	78.65	CH2M HILL
		09/08/09	82.91	158.90	75.99	CH2M HILL
MW17C	170-180	08/31/05	66.02	159.00	92.98	CH2M HILL
		03/13/06	73.24	159.00	85.76	CH2M HILL
		06/22/06	73.54	159.00	85.46	Arcadis
		08/09/06	74.64	159.00	84.36	CH2M HILL
		09/05/06	75.41	159.00	83.59	CH2M HILL
		03/05/07	71.00	159.00	88.00	CH2M HILL
		07/18/07	81.24	159.00	77.76	CH2M HILL
		03/04/08	78.10	159.00	80.90	CH2M HILL
		03/11/09	84.65	159.00	74.35	CH2M HILL
		09/08/09	99.90	159.00	59.10	CH2M HILL
MW18A	56-71	08/31/05	28.01	143.74	115.73	CH2M HILL
		03/14/06	27.93	143.74	115.81	CH2M HILL
		05/17/06	26.88	143.74	116.86	CH2M HILL
		06/22/06	26.97	143.74	116.77	Arcadis
		08/28/06	26.81	143.74	116.93	CH2M HILL
		02/27/07	27.51	143.74	116.23	CH2M HILL
		07/20/07	27.48	143.74	116.26	CH2M HILL
		02/27/08	30.82	143.74	112.92	CH2M HILL
		03/09/09	36.65	143.74	107.09	CH2M HILL
		09/02/09	39.01	143.74	104.73	CH2M HILL
MW18B	90-100	08/31/05	27.99	143.73	115.74	CH2M HILL
		03/14/06	27.88	143.73	115.85	CH2M HILL
		05/17/06	26.89	143.73	116.84	CH2M HILL
		06/22/06	26.95	143.73	116.78	Arcadis
		08/28/06	26.81	143.73	116.92	CH2M HILL
		02/27/07	27.50	143.73	116.23	CH2M HILL
		07/20/07	27.45	143.73	116.28	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		02/27/08	30.77	143.73	112.96	CH2M HILL
		03/09/09	36.60	143.73	107.13	CH2M HILL
		09/02/09	39.06	143.73	104.67	CH2M HILL
MW18C	146-161	08/31/05	29.97	143.83	113.86	CH2M HILL
		03/14/06	29.58	143.83	114.25	CH2M HILL
		05/17/06	28.50	143.83	115.33	CH2M HILL
		06/22/06	28.94	143.83	114.89	Arcadis
		08/28/06	29.18	143.83	114.65	CH2M HILL
		02/27/07	29.20	143.83	114.63	CH2M HILL
		07/20/07	30.38	143.83	113.45	CH2M HILL
		03/05/08	32.31	143.83	111.52	CH2M HILL
		03/09/09	38.68	143.83	105.15	CH2M HILL
		09/02/09	43.05	143.83	100.78	CH2M HILL
MW19	56-71	06/22/06	69.38	158.73	89.35	Arcadis
		08/09/06	68.43	158.73	90.30	CH2M HILL
		09/07/06	68.61	158.73	90.12	CH2M HILL
		03/05/07	68.58	158.73	90.15	CH2M HILL
		07/25/07	68.22	158.73	90.51	CH2M HILL
		02/26/08	68.27	158.73	90.46	CH2M HILL
		03/02/09	elow screen	158.73		CH2M HILL
		09/11/09	dry	158.73		CH2M HILL
MW20A	75-90	06/22/06	67.35	141.31	73.96	Arcadis
		08/08/06	66.77	141.31	74.54	CH2M HILL
		09/01/06	67.01	141.31	74.30	CH2M HILL
		03/02/07	68.72	141.31	72.59	CH2M HILL
		07/19/07	66.84	141.31	74.47	CH2M HILL
		03/03/08	73.64	141.31	67.67	CH2M HILL
		03/12/09	81.95	141.31	59.36	CH2M HILL
		09/08/09	84.92	141.31	56.39	CH2M HILL
MW20B	122-132	06/22/06	67.69	141.32	73.63	Arcadis
		08/08/06	67.22	141.32	74.10	CH2M HILL
		09/01/06	67.48	141.32	73.84	CH2M HILL
		03/02/07	68.11	141.32	73.21	CH2M HILL
		07/19/07	67.32	141.32	74.00	CH2M HILL
		03/03/08	74.04	141.32	67.28	CH2M HILL
		03/10/09	82.50	141.32	58.82	CH2M HILL
		09/08/09	85.61	141.32	55.71	CH2M HILL
MW20C	180-190	06/22/06	77.90	141.35	63.45	Arcadis
		08/08/06	81.18	141.35	60.17	CH2M HILL
		09/01/06	81.17	141.35	60.18	CH2M HILL
		03/02/07	77.20	141.35	64.15	CH2M HILL
		07/19/07	85.85	141.35	55.50	CH2M HILL
		03/03/08	87.29	141.35	54.06	CH2M HILL
		03/10/09	93.91	141.35	47.44	CH2M HILL
		09/09/09	n/a	141.35	n/a	CH2M HILL
MW21	64-79	06/22/06	49.86	128.81	78.95	Arcadis
		08/08/06	50.10	128.81	78.71	CH2M HILL
		08/31/06	50.38	128.81	78.43	CH2M HILL
		03/01/07	50.96	128.81	77.85	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		07/26/07	50.96	128.81	77.85	CH2M HILL
		02/21/08	57.97	128.81	70.84	CH2M HILL
		03/02/09	67.50	128.81	61.31	CH2M HILL
		09/11/09	71.30	128.81	57.51	CH2M HILL
MW22	74-89	06/22/06	61.81	150.82	89.01	Arcadis
		08/08/06	62.34	150.82	88.48	CH2M HILL
		08/31/06	62.54	150.82	88.28	CH2M HILL
		03/01/07	63.31	150.82	87.51	CH2M HILL
		07/26/07	63.25	150.82	87.57	CH2M HILL
		02/21/08	71.14	150.82	79.68	CH2M HILL
		03/03/09	81.62	150.82	69.20	CH2M HILL
		09/11/09	n/a	150.82	n/a	CH2M HILL
MW23A	35-55	06/19/07	27.80	148.76	120.96	CH2M HILL
		07/13/07	28.17	148.76	120.59	CH2M HILL
		02/28/08	33.13	148.76	115.63	CH2M HILL
		03/16/09	39.38	148.76	109.38	CH2M HILL
		09/03/09	41.31	148.76	107.45	CH2M HILL
MW23B	87-91	08/31/05	29.11	149.06	119.95	CH2M HILL
		03/14/06	29.53	149.06	119.53	CH2M HILL
		05/15/06	28.25	149.06	120.81	CH2M HILL
		06/22/06	28.33	149.06	120.73	Arcadis
		09/11/06	28.92	149.06	120.14	CH2M HILL
		03/07/07	29.62	149.06	119.44	CH2M HILL
		07/13/07	29.25	149.06	119.81	CH2M HILL
		02/28/08	34.03	149.06	115.03	CH2M HILL
		03/16/09	40.96	149.06	108.10	CH2M HILL
		09/03/09	43.30	149.06	105.76	CH2M HILL
MW23C	145-160	08/31/05	31.85	149.07	117.22	CH2M HILL
		03/14/06	32.35	149.07	116.72	CH2M HILL
		05/15/06	30.91	149.07	118.16	CH2M HILL
		06/22/06	31.08	149.07	117.99	Arcadis
		09/11/06	31.91	149.07	117.16	CH2M HILL
		03/07/07	32.19	149.07	116.88	CH2M HILL
		07/13/07	32.98	149.07	116.09	CH2M HILL
		02/28/08	36.83	149.07	112.24	CH2M HILL
		03/16/09	45.38	149.07	103.69	CH2M HILL
		09/03/09	49.35	149.07	99.72	CH2M HILL
MW23D	175-180	08/31/05	32.67	148.04	115.37	CH2M HILL
		03/15/06	33.15	148.04	114.89	CH2M HILL
		05/15/06	31.69	148.04	116.35	CH2M HILL
		06/22/06	31.85	148.04	116.19	Arcadis
		09/11/06	32.69	148.04	115.35	CH2M HILL
		03/07/07	32.95	148.04	115.09	CH2M HILL
		07/13/07	33.40	148.04	114.64	CH2M HILL
		02/28/08	37.59	148.04	110.45	CH2M HILL
		03/16/09	46.26	148.04	101.78	CH2M HILL
		09/03/09	50.40	148.04	97.64	CH2M HILL
MW24A	50-70	06/18/07	36.80	162.04	125.24	CH2M HILL
		07/09/07	37.01	162.04	125.03	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		02/28/08	41.31	162.04	120.73	CH2M HILL
		03/12/09	46.42	162.04	115.62	CH2M HILL
		09/14/09	48.82	162.04	113.22	CH2M HILL
MW24B	110-125	06/18/07	41.24	162.03	120.79	CH2M HILL
		07/09/07	42.08	162.03	119.95	CH2M HILL
		02/28/08	45.40	162.03	116.63	CH2M HILL
		03/12/09	53.78	162.03	108.25	CH2M HILL
		09/14/09	58.60	162.03	103.43	CH2M HILL
MW24C	140-160	06/18/07	41.60	162.02	120.42	CH2M HILL
		07/09/07	42.41	162.02	119.61	CH2M HILL
		02/28/08	45.72	162.02	116.30	CH2M HILL
		03/16/09	53.91	162.02	108.11	CH2M HILL
		09/14/09	58.73	162.02	103.29	CH2M HILL
MW24D	173-178	06/18/07	41.90	162.05	120.15	CH2M HILL
		07/09/07	42.64	162.05	119.41	CH2M HILL
		02/28/08	46.09	162.05	115.96	CH2M HILL
		03/13/09	54.36	162.05	107.69	CH2M HILL
		09/14/09	59.60	162.05	102.45	CH2M HILL
MW25A	45-65	04/25/07	37.65	147.90	110.25	CH2M HILL
		05/01/07	37.46	147.90	110.44	CH2M HILL
		07/10/07	37.80	147.90	110.10	CH2M HILL
		02/29/08	43.74	147.90	104.16	CH2M HILL
		03/12/09	51.50	147.90	96.40	CH2M HILL
		09/02/09	54.06	147.90	93.84	CH2M HILL
MW25B	90-110	04/25/07	37.67	147.84	110.17	CH2M HILL
		05/01/07	37.55	147.84	110.29	CH2M HILL
		07/10/07	38.09	147.84	109.75	CH2M HILL
		02/29/08	43.66	147.84	104.18	CH2M HILL
		03/12/09	51.88	147.84	95.96	CH2M HILL
		09/02/09	54.91	147.84	92.93	CH2M HILL
MW25C	140-150	04/25/07	39.45	147.86	108.41	CH2M HILL
		05/01/07	39.30	147.86	108.56	CH2M HILL
		07/10/07	41.85	147.86	106.01	CH2M HILL
		02/29/08	45.80	147.86	102.06	CH2M HILL
		03/16/09	54.10	147.86	93.76	CH2M HILL
		09/02/09	60.20	147.86	87.66	CH2M HILL
MW25D	194-209	04/25/07	49.91	147.87	97.96	CH2M HILL
		05/01/07	51.23	147.87	96.64	CH2M HILL
		07/10/07	67.55	147.87	80.32	CH2M HILL
		02/29/08	58.04	147.87	89.83	CH2M HILL
		03/16/09	60.89	147.87	86.98	CH2M HILL
		09/02/09	n/a	147.87	n/a	CH2M HILL
MW26A	70-90	04/25/07	67.65	155.62	87.97	CH2M HILL
		05/02/07	67.60	155.62	88.02	CH2M HILL
		07/11/07	67.04	155.62	88.58	CH2M HILL
		03/04/08	74.21	155.62	81.41	CH2M HILL
		03/13/09	82.42	155.62	73.20	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		09/11/09	85.16	155.62	70.46	CH2M HILL
MW26B	105-120	04/25/07	67.72	155.45	87.73	CH2M HILL
		05/02/07	67.69	155.45	87.76	CH2M HILL
		07/11/07	67.12	155.45	88.33	CH2M HILL
		03/04/08	74.31	155.45	81.14	CH2M HILL
		03/13/09	82.64	155.45	72.81	CH2M HILL
		09/11/09	85.28	155.45	70.17	CH2M HILL
MW26C	145-160	04/25/07	73.05	155.41	82.36	CH2M HILL
		05/02/07	73.56	155.41	81.85	CH2M HILL
		07/11/07	80.55	155.41	74.86	CH2M HILL
		03/05/08	82.87	155.41	72.54	CH2M HILL
		03/13/09	88.73	155.41	66.68	CH2M HILL
		09/11/09	100.40	155.41	55.01	CH2M HILL
MW26D	185-205	04/25/07	71.59	155.37	83.78	CH2M HILL
		05/02/07	72.42	155.37	82.95	CH2M HILL
		07/11/07	82.44	155.37	72.93	CH2M HILL
		03/05/08	81.24	155.37	74.13	CH2M HILL
		03/13/09	87.61	155.37	67.76	CH2M HILL
		09/11/09	n/a	155.37	n/a	CH2M HILL
MW27A	90-110	04/25/07	77.18	139.24	62.06	CH2M HILL
		05/03/07	77.17	139.24	62.07	CH2M HILL
		07/12/07	76.97	139.24	62.27	CH2M HILL
		03/05/08	81.77	139.24	57.47	CH2M HILL
		03/11/09	88.05	139.24	51.19	CH2M HILL
		09/09/09	91.20	139.24	48.04	CH2M HILL
MW27B	144-164	04/25/07	77.02	139.18	62.16	CH2M HILL
		05/03/07	76.99	139.18	62.19	CH2M HILL
		07/12/07	76.84	139.18	62.34	CH2M HILL
		03/05/08	81.61	139.18	57.57	CH2M HILL
		03/11/09	87.99	139.18	51.19	CH2M HILL
		09/09/09	91.16	139.18	48.02	CH2M HILL
MW27C	180-190	04/25/07	84.34	139.17	54.83	CH2M HILL
		05/02/07	84.32	139.17	54.85	CH2M HILL
		07/12/07	92.07	139.17	47.10	CH2M HILL
		03/05/08	96.66	139.17	42.51	CH2M HILL
		03/13/09	103.32	139.17	35.85	CH2M HILL
		09/09/09	112.91	139.17	26.26	CH2M HILL
MW27D	200-210	04/25/07	83.00	139.13	56.13	CH2M HILL
		05/02/07	83.25	139.13	55.88	CH2M HILL
		07/12/07	91.85	139.13	47.28	CH2M HILL
		03/05/08	95.86	139.13	43.27	CH2M HILL
		03/13/09	102.67	139.13	36.46	CH2M HILL
		09/09/09	n/a	139.13	n/a	CH2M HILL
MW28	85-105	06/19/07	73.94	119.91	45.97	CH2M HILL
		07/16/07	74.29	119.91	45.62	CH2M HILL
		03/03/08	78.04	119.91	41.87	CH2M HILL
		03/09/09	84.45	119.91	35.46	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		09/09/09	88.25	119.91	31.66	CH2M HILL
MW29	90-110	06/19/07	80.66	107.10	26.44	CH2M HILL
		07/13/07	81.03	107.10	26.07	CH2M HILL
		03/03/08	83.23	107.10	23.87	CH2M HILL
		03/09/09	86.69	107.10	20.41	CH2M HILL
		09/09/09	89.30	107.10	17.80	CH2M HILL
MW30	95-115	06/19/07	91.88	106.70	14.82	CH2M HILL
		03/03/08	95.09	106.70	11.61	CH2M HILL
		03/09/09	98.23	106.70	8.47	CH2M HILL
		09/09/09	102.27	106.70	4.43	CH2M HILL
MW31	105.5-120.5	09/09/09	99.19	232.67	133.48	CH2M HILL
OW1A	63-78	05/15/01	74.19	212.50	138.31	CDM
		06/14/01	74.14	212.50	138.36	CDM
		07/24/01	74.04	212.50	138.46	CDM
		08/16/01	74.08	212.50	138.42	CDM
		09/18/01	74.33	212.50	138.17	CDM
		10/18/01	74.84	212.50	137.66	CDM
		11/15/01	74.38	212.50	138.12	CDM
		12/14/01	74.80	212.50	137.70	CDM
		01/18/02	74.92	212.50	137.58	CDM
		02/14/02	74.86	212.50	137.64	CDM
		03/13/02	75.13	212.50	137.37	CDM
		04/19/02	75.16	212.50	137.34	CDM
		08/20/02	75.97	212.50	136.53	CDM/WESTON
		11/22/02	76.20	212.50	136.30	WESTON
		02/19/03	76.70	212.50	135.80	CDM/WESTON
		05/13/03	76.51	212.50	135.99	WESTON
		08/26/03	76.95	212.50	135.55	CDM
		02/25/04	76.97	212.50	135.53	CDM
		06/17/04	78.66	212.50	133.84	CH2M HILL
		08/25/04	78.84	212.50	133.66	CDM
		12/01/04	76.11	212.50	136.39	CH2M HILL
		02/23/05	77.22	212.50	135.28	CDM
		06/21/05	76.90	212.50	135.60	CH2M HILL
		08/24/05	76.15	212.50	136.35	CDM
		02/17/06	75.33	212.50	137.17	CDM
		08/22/06	74.94	212.50	137.56	CDM
		02/20/07	75.35	212.50	137.15	CDM
		08/21/07	76.17	212.50	136.33	CDM
		02/19/08	76.62	212.50	135.88	
		09/16/08	77.82	212.50	134.68	
		03/03/09	78.17	212.50	134.33	
		03/09/09	82.94	212.50	129.56	
		09/09/09	81.89	212.50	130.61	
		16/09/09	81.97	212.50	130.53	
		23/09/09	81.96	212.50	130.54	
		30/09/09	81.97	212.50	130.53	
OW1B	110-120	05/15/01	72.30	207.18	134.88	CDM
		06/14/01	72.53	207.18	134.65	CDM
		07/24/01	73.36	207.18	133.82	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		08/16/01	74.18	207.18	133.00	CDM
		09/18/01	74.75	207.18	132.43	CDM
		10/18/01	74.83	207.18	132.35	CDM
		11/15/01	75.49	207.18	131.69	CDM
		12/14/01	75.05	207.18	132.13	CDM
		01/18/02	74.12	207.18	133.06	CDM
		02/14/02	73.56	207.18	133.62	CDM
		03/13/02	74.52	207.18	132.66	CDM
		08/20/02	77.04	207.18	130.14	CDM/WESTON
		11/22/02	78.15	207.18	129.03	WESTON
		02/19/03	77.04	207.18	130.14	CDM/WESTON
		05/13/03	75.72	207.18	131.46	WESTON
		08/26/03	78.75	207.18	128.43	CDM
		02/25/04	80.93	207.18	126.25	CDM
		06/17/04	81.55	207.18	125.63	CH2M HILL
		08/25/04	82.80	207.18	124.38	CDM
		12/01/04	84.01	207.18	123.17	CH2M HILL
		02/25/05	79.95	207.18	127.23	CDM
		06/21/05	75.47	207.18	131.71	CH2M HILL
		08/24/05	75.76	207.18	131.42	CDM
		02/17/06	75.77	207.18	131.41	CDM
		08/22/06	75.00	207.18	132.18	CDM
		02/20/07	75.47	207.18	131.71	CDM
		08/21/07	77.68	207.18	129.50	CDM
		02/19/08	78.26	207.18	128.92	
		09/16/08	NA	207.18	NA	
		03/03/09	83.47	207.18	123.71	
		09/03/09	87.32	207.18	119.86	
		09/09/09	87.44	207.18	119.74	
		09/16/09	87.66	207.18	119.52	
		09/23/09	87.84	207.18	119.34	
		09/30/09	88.05	207.18	119.13	
OW2	60-80	05/15/01	66.47	202.30	135.83	CDM
		06/14/01	66.38	202.30	135.92	CDM
		07/24/01	66.25	202.30	136.05	CDM
		08/16/01	66.34	202.30	135.96	CDM
		09/18/01	66.66	202.30	135.64	CDM
		10/18/01	66.95	202.30	135.35	CDM
		11/15/01	66.92	202.30	135.38	CDM
		12/14/01	67.28	202.30	135.02	CDM
		01/18/02	67.40	202.30	134.90	CDM
		02/14/02	67.31	202.30	134.99	CDM
		03/13/02	67.50	202.30	134.80	CDM
		04/19/02	67.52	202.30	134.78	CDM
		08/20/02	68.30	202.30	134.00	CDM
		08/21/02	68.30	202.30	134.00	WESTON
		11/25/02	68.91	202.30	133.39	WESTON
		02/19/03	69.44	202.30	132.86	CDM
		02/19/03	69.28	202.30	133.02	WESTON
		05/13/03	68.95	202.30	133.35	WESTON
		08/26/03	69.18	202.30	133.12	CDM
		02/25/04	70.40	202.30	131.90	CDM
		06/17/04	70.92	202.30	131.38	CH2M HILL
		08/25/04	71.24	202.30	131.06	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		12/02/04	71.91	202.30	130.39	CH2M HILL
		02/23/05	71.82	202.30	130.48	CDM
		06/21/05	69.69	202.30	132.61	CH2M HILL
		08/23/05	68.77	202.30	133.53	CDM
		02/17/06	67.87	202.30	134.43	CDM
		08/22/06	67.43	202.30	134.87	CDM
		02/20/07	67.97	202.30	134.33	CDM
		08/21/07	68.60	202.30	133.70	CDM
		02/19/08	69.67	202.30	132.63	
		09/16/08	71.09	202.30	131.21	
		03/03/09	71.32	202.30	130.98	
		09/03/09	79.12	202.30	123.18	
		09/09/09	79.20	202.30	123.10	
		09/16/09	77.67	202.30	124.63	
		09/23/09	78.85	202.30	123.45	
		09/30/09	78.75	202.30	123.55	
OW3A	63-83	05/15/01	62.55	198.53	135.98	CDM
		06/14/01	62.44	198.53	136.09	CDM
		07/24/01	62.29	198.53	136.24	CDM
		08/16/01	62.39	198.53	136.14	CDM
		09/18/01	62.70	198.53	135.83	CDM
		10/18/01	62.98	198.53	135.55	CDM
		11/15/01	62.95	198.53	135.58	CDM
		12/14/01	63.33	198.53	135.20	CDM
		01/18/02	63.52	198.53	135.01	CDM
		02/14/02	63.36	198.53	135.17	CDM
		03/13/02	63.58	198.53	134.95	CDM
		04/19/02	63.61	198.53	134.92	CDM
		08/20/02	64.47	198.53	134.06	CDM
		08/20/02	64.47	198.53	134.06	WESTON
		11/25/02	65.14	198.53	133.39	WESTON
		02/19/03	65.58	198.53	132.95	CDM
		02/20/03	65.50	198.53	133.03	WESTON
		05/14/03	65.25	198.53	133.28	WESTON
		08/26/03	65.54	198.53	132.99	CDM
		02/25/04	66.35	198.53	132.18	CDM
		06/17/04	66.93	198.53	131.60	CH2M HILL
		08/25/04	67.13	198.53	131.40	CDM
		12/01/04	67.70	198.53	130.83	CH2M HILL
		02/23/05	67.20	198.53	131.33	CDM
		06/21/05	65.41	198.53	133.12	CH2M HILL
		08/23/05	64.69	198.53	133.84	CDM
		02/17/06	63.90	198.53	134.63	CDM
		08/22/06	63.70	198.53	134.83	CDM
		02/20/07	64.24	198.53	134.29	CDM
		08/21/07	64.81	198.53	133.72	CDM
		02/19/08	65.65	198.53	132.88	
		09/16/08	66.46	198.53	132.07	
		03/03/09	67.00	198.53	131.53	
		09/03/09	74.23	198.53	124.30	
		09/09/09	74.69	198.53	123.84	
		09/16/09	73.11	198.53	125.42	
		09/23/09	73.68	198.53	124.85	
		09/30/09	73.40	198.53	125.13	

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
OW3B		03/13/06	73.76	197.06	123.30	CDM
		05/15/06	72.54	197.06	124.52	CH2M HILL
		05/23/06	72.82	197.06	124.24	CH2M HILL
		08/22/06	73.38	197.06	123.68	CH2M HILL
		02/20/07	73.94	197.06	123.12	CDM
		08/21/07	76.50	197.06	120.56	CDM
		02/19/08	77.12	197.06	119.94	
		09/16/08	83.65	197.06	113.41	
		03/03/09	85.50	197.06	111.56	
		09/03/09	89.79	197.06	107.27	
		09/09/09	89.61	197.06	107.45	
		09/16/09	89.88	197.06	107.18	
		09/23/09	90.11	197.06	106.95	
		09/30/09	90.36	197.06	106.70	
OW4A	50-70	05/15/01	53.60	184.67	131.07	CDM
		06/14/01	53.36	184.67	131.31	CDM
		07/24/01	53.31	184.67	131.36	CDM
		08/16/01	53.70	184.67	130.97	CDM
		09/18/01	54.35	184.67	130.32	CDM
		10/18/01	54.76	184.67	129.91	CDM
		11/15/01	54.87	184.67	129.80	CDM
		12/14/01	55.43	184.67	129.24	CDM
		01/18/02	55.55	184.67	129.12	CDM
		02/14/02	55.21	184.67	129.46	CDM
		03/13/02	55.30	184.67	129.37	CDM
		04/19/02	55.35	184.67	129.32	CDM
		08/20/02	56.80	184.67	127.87	CDM
		08/21/02	56.80	184.67	127.87	WESTON
		11/26/02	58.15	184.67	126.52	WESTON
		02/19/03	58.58	184.67	126.09	CDM
		02/20/03	58.51	184.67	126.16	WESTON
		05/14/03	57.49	184.67	127.18	WESTON
		08/26/03	58.13	184.67	126.54	CDM
		02/25/04	61.04	184.67	123.63	CDM
		06/15/04	61.91	184.67	122.76	CH2M HILL
		08/25/04	62.36	184.67	122.31	CDM
		11/30/04	63.80	184.67	120.87	CH2M HILL
		02/25/05	63.94	184.67	120.73	CDM
		06/21/05	61.50	184.67	123.17	CH2M HILL
		08/23/05	58.98	184.67	125.69	CDM
		02/17/06	58.03	184.67	126.64	CDM
		05/17/06	57.37	184.67	127.30	CH2M HILL
		08/22/06	56.87	184.67	127.80	CDM
		02/20/07	57.77	184.67	126.90	CDM
		08/21/07	57.88	184.67	126.79	CDM
		02/19/08	60.53	184.67	124.14	
		09/16/08	62.40	184.67	122.27	
		03/03/09	64.53	184.67	120.14	
		09/03/09	66.93	184.67	117.74	
		09/09/09	66.72	184.67	117.95	
		09/16/09	66.88	184.67	117.79	
		09/23/09	66.96	184.67	117.71	
		09/30/09	67.05	184.67	117.62	

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
OW4B	112-122.3	05/15/01	57.11	184.50	127.39	CDM
		06/14/01	57.51	184.50	126.99	CDM
		07/24/01	58.82	184.50	125.68	CDM
		08/16/01	60.01	184.50	124.49	CDM
		09/18/01	60.82	184.50	123.68	CDM
		10/18/01	60.98	184.50	123.52	CDM
		11/15/01	61.67	184.50	122.83	CDM
		12/14/01	60.76	184.50	123.74	CDM
		01/18/02	59.53	184.50	124.97	CDM
		02/14/02	58.81	184.50	125.69	CDM
		03/13/02	59.34	184.50	125.16	CDM
		04/19/02	60.02	184.50	124.48	CDM
		08/20/02	63.64	184.50	120.86	CDM
		08/21/02	63.64	184.50	120.86	WESTON
		11/26/02	64.88	184.50	119.62	WESTON
		02/19/03	62.46	184.50	122.04	CDM
		02/20/03	62.61	184.50	121.89	WESTON
		05/14/03	60.42	184.50	124.08	WESTON
		08/26/03	65.67	184.50	118.83	CDM
		02/25/04	68.08	184.50	116.42	CDM
		06/15/04	69.05	184.50	115.45	CH2M HILL
		08/25/04	71.10	184.50	113.40	CDM
		11/30/04	71.60	184.50	112.90	CH2M HILL
		02/25/05	65.97	184.50	118.53	CDM
		06/21/05	60.45	184.50	124.05	CH2M HILL
		08/23/05	61.15	184.50	123.35	CDM
		02/17/06	62.27	184.50	122.23	CDM
		05/17/06	60.46	184.50	124.04	CH2M HILL
		08/22/06	61.13	184.50	123.37	CDM
		02/20/07	62.10	184.50	122.40	CDM
		08/21/07	64.42	184.50	120.08	CDM
		02/19/08	65.82	184.50	118.68	
		09/16/08	71.68	184.50	112.82	
		03/03/09	73.30	184.50	111.20	
		09/03/09	77.48	184.50	107.02	
		09/09/09	77.38	184.50	107.12	
		09/16/09	77.67	184.50	106.83	
		09/23/09	77.86	184.50	106.64	
		09/30/09	78.12	184.50	106.38	
OW5	30-50	08/16/01	26.14	154.16	128.02	CDM
		09/18/01	27.33	154.16	126.83	CDM
		10/18/01	27.59	154.16	126.57	CDM
		11/15/01	28.18	154.16	125.98	CDM
		12/14/01	28.24	154.16	125.92	CDM
		01/18/02	27.44	154.16	126.72	CDM
		02/14/02	26.73	154.16	127.43	CDM
		03/13/02	26.75	154.16	127.41	CDM
		04/19/02	27.12	154.16	127.04	CDM
		08/20/02	30.03	154.16	124.13	CDM
		08/22/02	30.03	154.16	124.13	WESTON
		11/25/02	31.73	154.16	122.43	WESTON
		02/19/03	30.85	154.16	123.31	CDM
		02/21/03	30.82	154.16	123.34	WESTON

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		05/14/03	28.65	154.16	125.51	WESTON
		08/26/03	31.20	154.16	122.96	CDM
		02/25/04	35.21	154.16	118.95	CDM
		06/15/04	35.78	154.16	118.38	CH2M HILL
		08/25/04	36.78	154.16	117.38	CDM
		12/02/04	38.59	154.16	115.57	CH2M HILL
		02/24/05	38.17	154.16	115.99	CDM
		06/24/05	31.05	154.16	123.11	CH2M HILL
		08/23/05	29.62	154.16	124.54	CDM
		02/17/06	30.11	154.16	124.05	CDM
		05/24/06	28.55	154.16	125.61	CH2M HILL
		08/22/06	28.99	154.16	125.17	CDM
		02/20/07	30.17	154.16	123.99	CDM
		08/21/07	30.67	154.16	123.49	CDM
		02/19/08	34.63	154.16	119.53	
		09/16/08	36.38	154.16	117.78	
		03/03/09	40.25	154.16	113.91	
OW6	38-58	08/16/01	42.54	172.74	130.20	CDM
		09/18/01	43.25	172.74	129.49	CDM
		10/18/01	43.69	172.74	129.05	CDM
		11/15/01	43.95	172.74	128.79	CDM
		12/14/01	44.41	172.74	128.33	CDM
		01/18/02	44.39	172.74	128.35	CDM
		02/14/02	44.00	172.74	128.74	CDM
		03/13/02	44.01	172.74	128.73	CDM
		04/19/02	44.12	172.74	128.62	CDM
		08/20/02	45.70	172.74	127.04	CDM
		08/21/02	45.00	172.74	127.74	WESTON
		11/26/02	47.11	172.74	125.63	WESTON
		02/19/03	47.49	172.74	125.25	CDM
		02/21/03	47.49	172.74	125.25	WESTON
		05/15/03	46.30	172.74	126.44	WESTON
		08/26/03	47.09	172.74	125.65	CDM
		02/25/04	50.24	172.74	122.50	CDM
		06/16/04	51.05	172.74	121.69	CH2M HILL
		08/25/04	51.69	172.74	121.05	CDM
		12/01/04	53.10	172.74	119.64	CH2M HILL
		02/23/05	53.58	172.74	119.16	CDM
		06/21/05	49.33	172.74	123.41	CH2M HILL
		08/23/05	47.68	172.74	125.06	CDM
		02/17/06	46.93	172.74	125.81	CDM
		05/19/06	46.15	172.74	126.59	CH2M HILL
		08/22/06	45.70	172.74	127.04	CDM
		02/20/07	46.16	172.74	126.58	CDM
		08/21/07	46.78	172.74	125.96	CDM
		02/19/08	49.70	172.74	123.04	
		09/16/08	51.20	172.74	121.54	
		03/03/09	54.03	172.74	118.71	
OW7	71-91	03/13/02	74.83	214.21	139.38	CDM
		04/19/02	74.93	214.21	139.28	CDM
		08/20/02	75.86	214.21	138.35	CDM
		08/21/02	75.86	214.21	138.35	WESTON
		11/22/02	76.45	214.21	137.76	WESTON

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		02/19/03	76.89	214.21	137.32	CDM
		02/21/03	76.80	214.21	137.41	WESTON
		05/15/03	76.70	214.21	137.51	WESTON
		08/26/03	76.90	214.21	137.31	CDM
		02/25/04	78.00	214.21	136.21	CDM
		06/16/04	78.78	214.21	135.43	CH2M HILL
		08/25/04	78.96	214.21	135.25	CDM
		11/30/04	79.71	214.21	134.50	CH2M HILL
		02/24/05	78.98	214.21	135.23	CDM
		08/23/05	75.94	214.21	138.27	CDM
		02/17/06	75.21	214.21	139.00	CDM
		05/18/06	75.10	214.21	139.11	CH2M HILL
		08/22/06	74.67	214.21	139.54	CH2M HILL
		02/20/07	75.28	214.21	138.93	CH2M HILL
		08/21/07	76.00	214.21	138.21	CDM
		02/19/08	76.38	214.21	137.83	
		09/16/08	76.76	214.21	137.45	
		03/03/09	78.51	214.21	135.70	
		09/03/09	82.32	214.21	131.89	
		09/09/09	81.81	214.21	132.40	
		09/16/09	81.85	214.21	132.36	
		09/23/09	82.00	214.21	132.21	
		09/30/09	82.21	214.21	132.00	
OW8A	60.4-80	03/13/02	65.61	200.64	135.03	CDM
		04/19/02	65.69	200.64	134.95	CDM
		08/20/02	66.46	200.64	134.18	CDM
		08/22/02	66.46	200.64	134.18	WESTON
		11/25/02	67.07	200.64	133.57	WESTON
		02/19/03	67.37	200.64	133.27	CDM
		02/20/03	67.36	200.64	133.28	WESTON
		05/15/03	67.14	200.64	133.50	WESTON
		08/26/03	67.35	200.64	133.29	CDM
		02/25/04	68.36	200.64	132.28	CDM
		06/16/04	68.98	200.64	131.66	CH2M HILL
		08/25/04	69.15	200.64	131.49	CDM
		12/03/04	69.37	200.64	131.27	CH2M HILL
		02/23/05	69.50	200.64	131.14	CDM
		06/21/05	67.70	200.64	132.94	CH2M HILL
		08/23/05	66.87	200.64	133.77	CDM
		02/17/06	66.05	200.64	134.59	CDM
		08/22/06	65.66	200.64	134.98	CDM
		02/20/07	66.28	200.64	134.36	CDM
		08/21/07	66.70	200.64	133.94	CDM
		02/19/08	67.55	200.64	133.09	
		09/16/08	68.70	200.64	131.94	
		03/03/09	69.14	200.64	131.50	
		09/03/09	79.71	200.64	120.93	
		09/09/09	79.62	200.64	121.02	
		09/16/09	77.53	200.64	123.11	
		09/23/09	77.74	200.64	122.90	
		09/30/09	78.78	200.64	121.86	
OW8B	116-126	08/25/04	86.77	200.82	114.05	CDM
		12/02/04	87.33	200.82	113.49	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		02/23/05	81.55	200.82	119.27	CDM
		06/24/05	76.60	200.82	124.22	CH2M HILL
		08/23/05	76.31	200.82	124.51	CDM
		02/17/06	77.55	200.82	123.27	CDM
		05/17/06	75.76	200.82	125.06	CH2M HILL
		08/22/06	76.58	200.82	124.24	CDM
		02/20/07	77.29	200.82	123.53	CDM
		08/21/07	79.86	200.82	120.96	CDM
		02/19/08	80.94	200.82	119.88	
		09/16/08	86.82	200.82	114.00	
		03/03/09	88.85	200.82	111.97	
		09/03/09	92.80	200.82	108.02	
		09/09/09	93.00	200.82	107.82	
		09/16/09	93.27	200.82	107.55	
		09/23/09	93.50	200.82	107.32	
		09/30/09	93.73	200.82	107.09	
OW9	70-90	03/03/09	69.67	195.7	126.03	
		09/03/09	75.78	195.7	119.92	
		09/09/09	76.40	195.7	119.30	
		09/16/09	75.58	195.7	120.12	
		09/23/09	76.29	195.7	119.41	
		09/30/09	75.61	195.7	120.09	
OW10	70-89.5	03/03/09	66.24	193.17	126.93	
		09/03/09	71.44	193.17	121.73	
		09/09/09	71.42	193.17	121.75	
		09/16/09	70.34	193.17	122.83	
		09/23/09	71.05	193.17	122.12	
		09/30/09	70.97	193.17	122.20	
WDI-GW1	38-58	06/21/05	44.09	153.50	109.41	CH2M HILL
		09/07/05	42.83		110.67	CH2M HILL
		03/14/06	42.51		110.99	CH2M HILL
		09/19/06	41.37		112.13	CH2M HILL
		12/12/06	41.97		111.53	WDI
		06/26/07	41.55		111.95	WDI
WDI-GW2	33-53	12/12/06	37.07	149.30	112.23	WDI
		06/26/07	37.15		112.15	WDI
WDI-GW5	43-63	06/21/05	56.93	166.70	109.77	CH2M HILL
		09/07/05	55.86		110.84	CH2M HILL
		03/14/06	55.49		111.21	CH2M HILL
		09/19/06	41.37		125.33	CH2M HILL
WDI-GW7	38-58	06/21/05	45.15	154.50	109.35	CH2M HILL
		09/07/05	44.30		110.20	CH2M HILL
		03/14/06	43.92		110.58	CH2M HILL
		09/19/06	42.98		111.52	CH2M HILL
WDI-GW10	38-58	06/21/05	46.63	154.70	108.07	CH2M HILL
		09/07/05	45.51		109.19	CH2M HILL
		03/14/06	45.07		109.63	CH2M HILL
		09/19/06	44.03		110.67	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		12/12/06	44.53		110.17	WDI
		06/26/07	44.20		110.50	WDI
WDI-GW11	118-128	06/21/05	46.65	154.70	108.05	CH2M HILL
		09/07/05	45.84		108.86	CH2M HILL
		03/14/06	45.37		109.33	CH2M HILL
		09/19/06	44.40		110.30	CH2M HILL
		12/12/06	44.90		109.80	WDI
		06/26/07	44.60		110.10	WDI
WDI-GW21	36-56	06/21/05	46.87	155.20	108.33	CH2M HILL
		09/07/05	43.02		112.18	CH2M HILL
		03/14/06	44.60		110.60	CH2M HILL
		09/19/06	44.65		110.55	CH2M HILL
WDI-GW22	58-78	06/21/05	64.60	156.70	92.10	CH2M HILL
		09/07/05	63.02		93.68	CH2M HILL
		09/19/06	60.02		96.68	CH2M HILL
		12/12/06	60.25		96.45	WDI
		06/26/07	59.75		96.95	WDI
WDI-GW23	43-63	06/21/05	58.07	157.00	98.93	CH2M HILL
		09/07/05	57.52		99.48	CH2M HILL
		03/14/06	57.16		99.84	CH2M HILL
		09/19/06	56.30		100.70	CH2M HILL
		12/13/06	56.48		100.52	WDI
		06/02/07	56.20		100.80	WDI
WDI-GW24	103-113	06/21/05	64.20	156.70	92.50	CH2M HILL
		09/07/05	62.81		93.89	CH2M HILL
		03/14/06	61.42		95.28	CH2M HILL
		09/19/06	59.95		96.75	CH2M HILL
WDI-GW26	44-64	03/14/06	47.00	156.00	109.00	CH2M HILL
		09/19/06	46.02		109.98	CH2M HILL
		12/13/06	46.41		109.59	WDI
		06/26/07	46.15		109.85	WDI
WDI-GW27	43-63	09/07/05	48.45	157.00	108.55	CH2M HILL
		03/14/06	48.00		109.00	CH2M HILL
		09/19/06	47.00		110.00	CH2M HILL
		12/13/06	47.38		109.62	WDI
		06/26/07	47.15		109.85	WDI
WDI-GW29	44-64	06/21/05	50.14	157.40	107.26	CH2M HILL
		09/07/05	49.21		108.19	CH2M HILL
		03/14/06	48.73		108.67	CH2M HILL
		09/19/06	47.74		109.66	CH2M HILL
		12/13/06	48.10		109.30	WDI
		06/26/07	47.85		109.55	WDI
WDI-GW30	74-94	06/21/05	49.78	156.80	107.02	CH2M HILL
		09/07/05	49.15		107.65	CH2M HILL
		03/14/06	48.63		108.17	CH2M HILL
		09/19/06	47.76		109.04	CH2M HILL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		12/11/06	48.05		108.75	WDI
		06/26/07	47.87		108.93	WDI
WDI-GW32	115-125	09/07/05	43.96	153.60	109.64	CH2M HILL
		03/14/06	43.47		110.13	CH2M HILL
		09/19/06	42.75		110.85	CH2M HILL
		12/13/06	43.18		110.42	WDI
		06/26/07	43.00		110.60	WDI
WDI-GW33	35-60	09/07/05	54.51	163.70	109.19	CH2M HILL
		03/14/06	54.09		109.61	CH2M HILL
		09/19/06	53.06		110.64	CH2M HILL
		12/11/06	53.48		110.22	WDI
		06/26/07	53.20		110.50	WDI
OFRP-MW1	55-100	02/02/94	59.17	142.32	83.15	McLaren Hart
		03/01/94	58.77		83.55	McLaren Hart
		10/11/94	58.32		84.00	McLaren Hart
		04/10/95	57.69		84.63	McLaren Hart
		04/23/96	56.96		85.36	McLaren Hart
OFRP-MW2	63-108	02/01/94	66.38	139.29	72.91	McLaren Hart
		03/01/94	65.73		73.56	McLaren Hart
		10/11/94	64.60		74.69	McLaren Hart
		04/10/95	64.14		75.15	McLaren Hart
		04/23/96	63.05		76.24	McLaren Hart
OFRP-MW3	64-109	02/01/94	68.65	139.03	70.38	McLaren Hart
		03/01/94	67.94		71.09	McLaren Hart
		10/11/94	66.56		72.47	McLaren Hart
		04/10/95	66.22		72.81	McLaren Hart
		04/23/96	64.98		74.05	McLaren Hart
OFRP-MW4	64-109	02/01/94	68.26	138.68	70.42	McLaren Hart
		03/01/94	67.63		71.05	McLaren Hart
		10/11/94	65.90		72.78	McLaren Hart
		04/10/95	65.86		72.82	McLaren Hart
		04/23/96	64.48		74.20	McLaren Hart
		06/21/05	83.72		54.96	CH2M HILL
		08/31/05	82.28		56.40	CH2M HILL
OFRP-MW5	65-105	01/27/94	68.20	141.53	73.33	McLaren Hart
		03/01/94	67.54		73.99	McLaren Hart
		10/11/94	65.94		75.59	McLaren Hart
		04/10/95	65.96		75.57	McLaren Hart
		04/23/96	64.62		76.91	McLaren Hart
		06/21/05	84.00		57.53	CH2M HILL
		08/31/05	Can't Find		N/A	CH2M HILL
OFRP-MW6	61-91	01/27/94	66.22	143.13	76.91	McLaren Hart
		03/01/94	65.57		77.56	McLaren Hart
		10/11/94	64.25		78.88	McLaren Hart
		04/10/95	64.22		78.91	McLaren Hart
		04/23/96	63.03		80.10	McLaren Hart

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
OFRP-MW7	67-97	01/27/94	68.25	145.69	77.44	McLaren Hart
		03/01/94	67.63		78.06	McLaren Hart
		10/11/94	65.98		79.71	McLaren Hart
		04/10/95	66.18		79.51	McLaren Hart
		04/23/96	64.86		80.83	McLaren Hart
OFRP-MW8	69-94	01/28/94	71.69	142.24	70.55	McLaren Hart
		03/01/94	70.98		71.26	McLaren Hart
		10/11/94	68.93		73.31	McLaren Hart
		04/10/95	69.09		73.15	McLaren Hart
		04/23/96	67.60		74.64	McLaren Hart
		06/21/05	86.75		55.49	CH2M HILL
		08/31/05	85.20		57.04	CH2M HILL
OFRP-MW9	69-94	01/27/94	73.37	145.19	71.82	McLaren Hart
		03/01/94	72.82		72.37	McLaren Hart
		10/11/94	69.92		75.27	McLaren Hart
		04/10/95	70.24		74.95	McLaren Hart
		04/23/96	68.58		76.61	McLaren Hart
OFRP-MW10	63-83	02/02/94	70.06	147.02	76.96	McLaren Hart
		03/01/94	69.63		77.39	McLaren Hart
		10/11/94	66.84		80.18	McLaren Hart
		04/10/95	67.30		79.72	McLaren Hart
		04/23/96	65.98		81.04	McLaren Hart
OFRP-MW11	67-87	02/02/94	73.94	149.72	75.78	McLaren Hart
		03/01/94	73.56		76.16	McLaren Hart
		10/11/94	70.52		79.20	McLaren Hart
		04/10/95	70.65		79.07	McLaren Hart
		04/23/96	69.10		80.62	McLaren Hart
OFRP-MW12	68-88	01/27/94	71.21	152.66	81.45	McLaren Hart
		03/01/94	70.83		81.83	McLaren Hart
		10/11/94	68.02		84.64	McLaren Hart
		04/10/95	68.39		84.27	McLaren Hart
		04/23/96	66.92		85.74	McLaren Hart
		08/31/05	Lid Rusted		N/A	CH2M HILL
		03/14/06	80.81		71.85	CH2M HILL
		09/20/06	79.76		72.90	CH2M HILL
		07/26/07	No access		N/A	CH2M HILL
OFRP-MW13	57-92	01/27/94	62.05	153.76	91.71	McLaren Hart
		03/01/94	61.68		92.08	McLaren Hart
		10/11/94	49.41		104.35	McLaren Hart
		04/10/95	59.72		94.04	McLaren Hart
		04/23/96	58.36		95.40	McLaren Hart
OFRP-MW14	54-89	01/27/94	59.62	152.52	92.90	McLaren Hart
		03/01/94	59.32		93.20	McLaren Hart
		10/11/94	57.11		95.41	McLaren Hart
		04/10/95	57.72		94.80	McLaren Hart
		04/23/96	56.32		96.20	McLaren Hart
OFRP-MW15	50-80	01/27/94	57.60	150.58	92.98	McLaren Hart

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		03/01/94	57.27		93.31	McLaren Hart
		10/11/94	54.88		95.70	McLaren Hart
		04/10/95	54.86		95.72	McLaren Hart
		04/23/96	53.59		96.99	McLaren Hart
OFRP-MW16	54-89	01/27/94	57.48	151.97	94.49	McLaren Hart
		03/01/94	57.19		94.78	McLaren Hart
		10/11/94	54.94		97.03	McLaren Hart
		04/10/95	56.25		95.72	McLaren Hart
		04/23/96	53.86		98.11	McLaren Hart
OFRP-MW17	58-88	01/27/94	58.75	155.60	96.85	McLaren Hart
		03/01/94	58.47		97.13	McLaren Hart
		10/11/94	56.35		99.25	McLaren Hart
		04/10/95	56.82		98.78	McLaren Hart
		04/23/96	55.39		100.21	McLaren Hart
OFRP-MW18	55-80	01/27/94	59.85	153.74	93.89	McLaren Hart
		03/01/94	59.53		94.21	McLaren Hart
		10/11/94	57.34		96.40	McLaren Hart
		04/10/95	58.09		95.65	McLaren Hart
		04/23/96	56.68		97.06	McLaren Hart
OFRP-MW19	53-78	02/02/94	57.02	158.24	101.22	McLaren Hart
		03/01/94	57.02		101.22	McLaren Hart
		10/11/94	54.84		103.40	McLaren Hart
		04/10/95	55.27		102.97	McLaren Hart
		04/23/96	53.69		104.55	McLaren Hart
		08/31/05	65.23		93.01	CH2M HILL
		03/14/06	54.88		103.36	CH2M HILL
		09/19/06	63.40		94.84	CH2M HILL
		07/26/07	63.07		95.17	CH2M HILL
OFRP-MW20	55-100	02/02/94	57.45	155.72	98.27	McLaren Hart
		03/01/94	57.24		98.48	McLaren Hart
		10/11/94	55.22		100.50	McLaren Hart
		04/10/95	56.09		99.63	McLaren Hart
		04/23/96	53.56		102.16	McLaren Hart
OFRP-MW21	67-92	02/02/94	54.93	157.43	102.50	McLaren Hart
		03/01/94	58.75		98.68	McLaren Hart
		10/11/94	52.68		104.75	McLaren Hart
		04/10/95	52.28		105.15	McLaren Hart
		04/23/96	50.64		106.79	McLaren Hart
		08/31/05	61.37		96.06	CH2M HILL
		03/14/06	61.44		95.99	CH2M HILL
		09/19/06	59.16		98.27	CH2M HILL
		07/26/07	58.82		98.61	CH2M HILL
OFRP-MW22	62-87	04/23/96	76.89	154.70	77.81	McLaren Hart
OFRP-MW23	73-88	02/01/94	64.30	150.36	86.06	McLaren Hart
		03/01/94	63.96		86.40	McLaren Hart
		10/11/94	61.93		88.43	McLaren Hart
		04/10/95	62.78		87.58	McLaren Hart

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		04/23/96	61.03		89.33	McLaren Hart
OFRP-MW24	58-93	02/01/94	62.75	153.06	90.31	McLaren Hart
		03/01/94	62.43		90.63	McLaren Hart
		10/11/94	60.75		92.31	McLaren Hart
		04/10/95	61.70		91.36	McLaren Hart
		04/23/96	60.24		92.82	McLaren Hart
OFRP-MW25	60-100	10/11/94	59.98	150.60	90.62	McLaren Hart
		04/10/95	59.88		90.72	McLaren Hart
		04/23/96	58.96		91.64	McLaren Hart
OFRP-MW29	60-100	10/11/94	64.59	143.75	79.16	McLaren Hart
		04/10/95	64.66		79.09	McLaren Hart
		04/23/96	63.36		80.39	McLaren Hart
OFRP-MW30	60-100	10/11/94	65.24	147.01	81.77	McLaren Hart
		04/10/95	65.29		81.72	McLaren Hart
		04/23/96	64.12		82.89	McLaren Hart
Cenco-MW101		05/01/02	83.10	135.23	52.13	BBL
		10/01/05	dry		N/A	BBL
		02/13/06	dry		N/A	BBL
		07/31/06	88.61		46.62	BBL
		02/05/07	88.20		47.03	BBL
		05/07/07	87.63		47.60	BBL
Cenco-MW103		05/01/02	87.88	136.95	49.07	BBL
		10/01/05	dry		N/A	BBL
		02/13/06	dry		N/A	BBL
		07/31/06	93.32		43.63	BBL
		02/05/07	92.83		44.12	BBL
		05/07/07	92.29		44.66	BBL
Cenco-MW104A		05/01/02	83.64	141.16	57.52	BBL
		10/01/05	89.85		51.31	BBL
		02/13/06	89.66		51.50	BBL
		07/31/06	covered		n/a	BBL
		02/05/07	88.35		52.81	BBL
		05/07/07	88.09		53.07	BBL
Cenco-MW105		05/01/02	82.59	138.63	56.04	BBL
		10/01/05	91.03		47.60	BBL
		02/13/06	89.95		48.68	BBL
		07/31/06	87.99		50.64	BBL
		02/05/07	87.66		50.97	BBL
		05/07/07	87.11		51.52	BBL
Cenco-MW106		05/01/02	88.19	148.41	60.22	BBL
		10/01/05	abandoned		n/a	BBL
		02/06/06	reinstalled	152.51	n/a	BBL
		08/02/06	96.72		55.79	BBL
		02/05/07	95.90		56.61	BBL
		05/07/07	95.51		57.00	BBL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
Cenco-MW107		05/01/02	95.20	149.93	53.73	BBL
		10/01/05	abandoned		n/a	BBL
		02/13/06	reinstalled	146.71	n/a	BBL
		08/02/06	96.88		49.83	BBL
		02/05/07	96.41		50.30	BBL
		05/07/07	96.09		50.62	BBL
Cenco-MW201		05/01/02	84.45	132.91	48.46	BBL
		10/01/05	93.07		39.84	BBL
		02/06/06	91.80		41.11	BBL
		07/06/06	89.88		43.03	BBL
		02/05/07	89.34		43.57	BBL
		05/07/07	88.79		44.12	BBL
Cenco-MW202		05/01/02	88.88	137.89	49.01	BBL
		10/01/05	dry		n/a	BBL
		02/06/06	dry		n/a	BBL
		07/06/06	dry		n/a	BBL
		02/05/07	dry		n/a	BBL
		05/07/07	dry		n/a	BBL
Cenco-MW203		05/01/02	92.96	143.89	50.93	BBL
		10/01/05	abandoned		n/a	BBL
		02/06/06	reinstalled	143.43	n/a	BBL
		07/06/06	94.12		49.31	BBL
		02/05/07	93.84		49.59	BBL
		05/07/07	93.65		49.78	BBL
Cenco-MW204		05/01/02	89.28	140.14	50.86	BBL
		10/01/05	97.86		42.28	BBL
		02/06/06	93.27		46.87	BBL
		07/06/06	95.24		44.90	BBL
		02/05/07	94.32		45.82	BBL
		05/07/07	93.79		46.35	BBL
Cenco-MW205		05/01/02	83.52	138.04	54.52	BBL
		10/01/05	92.00		46.04	BBL
		02/06/06	90.92		47.12	BBL
		07/06/06	88.99		49.05	BBL
		02/05/07	88.52		49.52	BBL
		05/07/07	88.08		49.96	BBL
Cenco-MW501A		05/01/02	85.76	128.70	42.94	BBL
		10/01/05	dry		N/A	BBL
		02/06/06	dry		N/A	BBL
		07/06/06	91.74		36.96	BBL
		02/05/07	91.02		37.68	BBL
		05/07/07	90.39		38.31	BBL
Cenco-MW502		05/01/02	85.70	128.30	42.60	BBL
		10/01/05	94.90		33.40	BBL
		02/06/06	93.40		34.90	BBL
		07/06/06	91.49		36.81	BBL
		02/05/07	90.80		37.50	BBL
		05/07/07	90.15		38.15	BBL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
Cenco-MW503B		05/01/02	86.32	129.96	43.64	BBL
		10/01/05	95.34		34.62	BBL
		02/06/06	93.79		36.17	BBL
		07/06/06	91.93		38.03	BBL
		02/05/07	91.28		38.68	BBL
		05/07/07	90.63		39.33	BBL
Cenco-MW504		05/01/02	87.20	134.51	47.31	BBL
		10/01/05	95.12		39.39	BBL
		02/06/06	93.80		40.71	BBL
		07/06/06	91.81		42.70	BBL
		02/05/07	91.26		43.25	BBL
		05/07/07	90.69		43.82	BBL
Cenco-MW600A		05/01/02	83.20	120.34	37.14	BBL
		10/01/05	92.62		27.72	BBL
		02/06/06	91.15		29.19	BBL
		07/06/06	88.87		31.47	BBL
		02/05/07	88.48		31.86	BBL
		05/07/07	85.61		34.73	BBL
Cenco-MW601A		05/01/02	85.42	126.53	41.11	BBL
		10/01/05	dry		n/a	BBL
		02/06/06	dry		n/a	BBL
		07/06/06	dry		n/a	BBL
		02/05/07	dry		n/a	BBL
		05/07/07	dry		n/a	BBL
Cenco-MW603		05/01/02	80.21	118.54	38.33	BBL
		10/01/05	89.53		29.01	BBL
		02/06/06	88.49		30.05	BBL
		07/06/06	85.88		32.66	BBL
		02/05/07	85.01		33.53	BBL
		05/07/07	84.24		34.30	BBL
Cenco-MW604		05/01/02	96.79	138.16	41.37	BBL
		10/01/05	102.78		35.38	BBL
		02/06/06	dry		n/a	BBL
		07/06/06	dry		n/a	BBL
		02/05/07	101.91		36.25	BBL
		05/07/07	101.28		36.88	BBL
Cenco-MW605		05/01/02	81.84	114.54	32.70	BBL
		10/01/05	91.22		23.32	BBL
		02/06/06	88.91		25.63	BBL
		07/06/06	88.45		26.09	BBL
		02/05/07	86.32		28.22	BBL
		05/07/07	85.54		29.00	BBL
Cenco-MW606		05/01/02	84.69	113.89	29.20	BBL
		10/01/05	94.21		19.68	BBL
		02/06/06	91.98		21.91	BBL
		07/06/06	90.30		23.59	BBL
		02/05/07	89.30		24.59	BBL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		05/07/07	88.40		25.49	BBL
Cenco-MW607		05/01/02	95.30	126.03	30.73	BBL
		10/01/05	104.78		21.25	BBL
		02/06/06	103.34		22.69	BBL
		07/06/06	101.07		24.96	BBL
		02/05/07	100.57		25.46	BBL
		05/07/07	99.61		26.42	BBL
Cenco-W1		05/01/02	96.70	142.89	46.19	BBL
		10/01/05	102.95		39.94	BBL
		02/06/06	102.60		40.29	BBL
		07/06/06	101.48		41.41	BBL
		02/05/07	100.66		42.23	BBL
		05/07/07	100.11		42.78	BBL
Cenco-W4		05/01/02	99.43	142.38	42.95	BBL
		10/01/05	104.36		38.02	BBL
		02/06/06	103.91		38.47	BBL
		07/06/06	102.66		39.72	BBL
		02/05/07	101.82		40.56	BBL
		05/07/07	101.36		41.02	BBL
Cenco-W3A		05/01/02	100.39	124.00	23.61	BBL
		10/01/05	104.55		19.45	BBL
		02/06/06	102.78		21.22	BBL
		07/06/06	101.30		22.70	BBL
		02/05/07	100.62		23.38	BBL
		05/07/07	100.04		23.96	BBL
Cenco-EW1		05/01/02	94.39	112.40	18.01	BBL
		10/01/05	100.12		12.28	BBL
		02/13/06	99.55		12.85	BBL
		08/02/06	98.65		13.75	BBL
		02/05/07	98.16		14.24	BBL
		05/07/07	97.88		14.52	BBL
Cenco-W7		02/06/06	85.63	n/a	n/a	BBL
		07/06/06	85.05		n/a	BBL
		02/05/07	82.98		n/a	BBL
		05/07/07	82.85		n/a	BBL
Cenco-W8		02/06/06	69.11	n/a	n/a	BBL
		07/06/06	67.20		n/a	BBL
		02/05/07	64.04		n/a	BBL
		05/07/07	62.96		n/a	BBL
Cenco-W9		02/05/07	84.65	139.12	54.47	BBL
		05/07/07	84.35		54.77	BBL
Cenco-W10		02/05/07	88.16	139.99	51.83	BBL
		05/07/07	87.60		52.39	BBL
Cenco-W11		02/05/07	91.24	141.29	50.05	BBL
		05/07/07	90.60		50.69	BBL

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
Cenco-W12		02/05/07	93.93	144.42	50.49	BBL
		05/07/07	93.44		50.98	BBL
Angeles MW-10	25 - 40	12/17/02	32.63		116.78	2005 report from DTS
		03/10/03	32.44		116.97	
		06/09/03	30.41		119.00	
		09/09/03	31.68		117.73	
		12/09/03	33.71		115.70	
		03/18/04	34.85		114.56	
		06/14/04	35.08		114.33	
		09/04/04	36.53		112.88	
		12/04/04	35.63		113.78	
		03/15/05	33.41		116.00	
		06/15/05	33.49		115.92	
		09/19/05	33.46		115.95	
		12/16/05	33.00		116.41	
Angeles MW-9	30.5-45.5	06/14/02	30.98		118.18	2005 report from DTS
		10/07/02	34.70		114.46	
		12/17/02	34.67		114.49	
		03/10/03	33.22		115.94	
		06/09/03	31.10		118.06	
		09/09/03	34.29		114.87	
		12/09/03	36.96		112.20	
		03/18/04	38.19		110.97	
		06/14/04	39.15		110.01	
		09/04/04	41.05		108.11	
		12/04/04	41.69		107.47	
		03/15/05	37.82		111.34	
		06/15/05	35.26		113.90	
		09/19/05	32.52		116.64	
		12/16/05	33.56		115.60	
McKesson MW7		02/28/03	41.95	150.16	108.21	geosyntec
		03/10/03	41.68		108.48	geosyntec
		06/09/03	39.77		110.39	geosyntec
		09/16/03	43.85		106.31	geosyntec
		12/09/03	47.14		103.02	geosyntec
		03/16/04	nm		na	geosyntec
		06/15/04	47.60		102.56	geosyntec
		09/13/04	50.15		100.01	geosyntec
		12/09/04	53.73		96.43	geosyntec
		12/16/04	51.96		98.20	geosyntec
		03/09/05	47.70		102.46	geosyntec
		06/06/05	42.35		107.81	geosyntec
		09/19/05	40.23		109.93	geosyntec
Technibraze MW9		03/23/04	36.06	151.18	115.12	LFR
		06/16/04	36.34		114.84	LFR
		09/09/04	37.50		113.68	LFR
		12/01/04	38.63		112.55	LFR
		02/17/05	38.66		112.52	LFR
		05/16/05	31.62		119.56	LFR

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		08/11/05	28.72		122.46	LFR
		11/07/05	29.26		121.92	LFR
Technibraze MW14		03/23/04	37.86	150.65	112.79	LFR
		06/16/04	36.16		114.49	LFR
		09/09/04	37.84		112.81	LFR
		12/01/04	38.94		111.71	LFR
		02/17/05	38.16		112.49	LFR
		05/16/05	30.15		120.50	LFR
		08/11/05	27.98		122.67	LFR
		11/07/05	28.85		121.80	LFR
G&M W-2		11/13/01	43.85	174.10	130.25	Leighton Consulting
		02/14/02	44.31		129.79	Leighton Consulting
		05/21/02	45.20		128.90	Leighton Consulting
		08/14/02	45.72		128.38	Leighton Consulting
		11/12/02	47.06		127.04	Leighton Consulting
		02/13/03	47.68		126.42	Leighton Consulting
		05/12/03	46.98		127.12	Leighton Consulting
		08/15/03	46.91		127.19	Leighton Consulting
		12/09/03	48.48		125.62	Leighton Consulting
		03/09/04	49.80		124.30	Leighton Consulting
		05/20/04	50.03		124.07	Leighton Consulting
		07/28/04	50.68		123.42	Leighton Consulting
		11/12/04	51.95		122.15	Leighton Consulting
		01/20/05	52.50		121.60	Leighton Consulting
		04/13/05	49.90		124.20	Leighton Consulting
G&M W-3		11/04/01	44.39	174.36	129.97	Leighton Consulting
		02/14/02	44.88		129.48	Leighton Consulting
		05/21/02	47.40		126.96	Leighton Consulting
		08/14/02	45.96		128.40	Leighton Consulting
		11/12/02	47.28		127.08	Leighton Consulting
		02/13/03	47.94		126.42	Leighton Consulting
		05/13/03	47.17		127.19	Leighton Consulting
		08/15/03	47.33		127.03	Leighton Consulting
		12/09/03	48.86		125.50	Leighton Consulting
		03/09/04	50.02		124.34	Leighton Consulting
		05/20/04	50.54		123.82	Leighton Consulting
		07/28/04	50.75		123.61	Leighton Consulting
		11/12/04	52.20		122.16	Leighton Consulting
		01/20/05	53.00		121.36	Leighton Consulting
		04/13/05	51.54		122.82	Leighton Consulting
Phibrotech MW1S	47-62.5	01/15/89	55.86	152.60	96.74	CDM
		04/15/89	52.15		100.45	CDM
		07/17/89	53.60		99.00	CDM
		10/23/89	55.84		96.76	CDM
		01/22/90	55.00		97.60	CDM
		04/09/90	53.30		99.30	CDM
		07/10/90	51.77		100.83	CDM
		10/15/90	52.82	152.63	99.81	CDM
		01/07/91	53.44		99.19	CDM
		04/08/91	5.68		146.95	CDM
		07/08/91	49.69		102.94	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		10/21/91	50.30		102.33	CDM
		01/13/92	48.03		104.60	CDM
		03/30/92	45.35		107.28	CDM
		07/13/92	44.76		107.87	CDM
		10/13/92	47.10		105.53	CDM
		01/19/93	43.51		109.12	CDM
		04/19/93	36.62		116.01	CDM
		07/12/93	36.01		116.62	CDM
		10/12/93	36.13		116.50	CDM
		01/10/94	36.03		116.60	CDM
		04/11/94	35.53		117.10	CDM
		07/18/94	34.83		117.80	CDM
		10/10/94	40.40		112.23	CDM
		01/16/95	39.04		113.59	CDM
		04/17/95	33.85		118.78	CDM
		07/10/95	32.57		120.06	CDM
		10/09/95	36.15		116.48	CDM
		01/29/96	37.79		114.84	CDM
		04/15/96	34.60		118.03	CDM
		07/15/96	35.21		117.42	CDM
		10/07/96	38.78		113.85	CDM
		01/13/97	36.90		115.73	CDM
		04/15/97	34.42		118.21	CDM
		07/08/97	34.45		118.18	CDM
		10/14/97	37.81		114.82	CDM
		01/13/98	39.40		113.23	CDM
		04/21/98	34.47		118.16	CDM
		07/14/98	33.51		119.12	CDM
		10/19/98	36.06		116.57	CDM
		01/19/99	38.69		113.94	CDM
		04/20/99	38.62		114.01	CDM
		07/20/99	39.01		113.62	CDM
		10/22/99	45.93		106.70	CDM
		01/25/00	49.90		102.73	CDM
		04/24/00	43.80		108.83	CDM
		10/17/00	43.54		109.09	CDM
		10/25/00	43.54		109.09	CDM
		04/17/01	41.35		111.28	CDM
		07/17/01	41.05		111.58	CDM
		10/16/01	45.20		107.43	CDM
		01/15/02	43.59		109.04	CDM
		04/16/02	43.62		109.01	CDM
		07/24/02	47.79		104.84	CDM
		10/22/02	51.08		101.55	CDM
		01/24/03	49.10		103.53	CDM
		04/23/03	45.29		107.34	CDM
		07/29/03	48.48		104.15	CDM
		10/21/03	54.03		98.60	CDM
		01/21/04	55.49		97.14	CDM
		04/20/04	54.93		97.70	CDM
		07/20/04	57.57		95.06	CDM
		10/11/04	61.36		91.27	CDM
		01/26/05	58.06	152.19	94.13	CDM
		04/26/05	48.60		103.59	CDM
		07/26/05	46.40		105.79	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		10/18/05	47.11		105.08	Iris Environmental
		01/25/06	48.13		104.06	Iris Environmental
		04/25/06	45.23		106.96	Iris Environmental
		07/25/06	45.11		107.08	Iris Environmental
		10/24/06	47.20		104.99	Iris Environmental
Phibrotech MW3	45-75	01/15/89	56.60	151.62	95.02	CDM
		04/15/89	52.33	151.71	99.29	CDM
		07/17/89	53.41	154.75	98.21	CDM
		10/23/89	56.87	154.36	94.75	CDM
		01/22/90	55.77		95.85	CDM
		04/09/90	53.90		97.72	CDM
		07/10/90	52.35		99.27	CDM
		10/15/90	54.42		97.29	CDM
		01/07/91	54.02		97.69	CDM
		04/08/91	51.90		99.81	CDM
		07/08/91	50.08		101.63	CDM
		10/21/91	50.72		100.99	CDM
		01/13/92	48.27		103.44	CDM
		03/30/92	45.67		106.04	CDM
		07/13/92	45.10		106.61	CDM
		10/13/92	47.78		103.93	CDM
		01/19/93	44.43		107.28	CDM
		04/19/93	36.54		115.17	CDM
		07/12/93	35.99		115.72	CDM
		10/12/93	36.04		115.67	CDM
		01/10/94	36.12		115.59	CDM
		04/11/94	35.38		116.33	CDM
		07/18/94	34.80		116.91	CDM
		10/10/94	40.86		110.85	CDM
		01/16/95	39.88		111.83	CDM
		04/17/95	33.88		117.83	CDM
		07/10/95	32.51		119.20	CDM
		10/09/95	36.26		115.45	CDM
		01/29/96	38.30		113.41	CDM
		04/15/96	34.98		116.73	CDM
		07/15/96	35.38		116.33	CDM
		10/07/96	39.26		112.45	CDM
		01/13/97	37.52		114.19	CDM
		04/15/97	34.58		117.13	CDM
		07/08/97	34.53		117.18	CDM
		10/14/97	38.11		113.60	CDM
		01/13/98	4.03		147.68	CDM
		04/21/98	34.89		116.82	CDM
		07/14/98	36.73		118.02	CDM
		10/19/98	39.35		115.40	CDM
		01/19/99	42.27		112.48	CDM
		04/20/99	42.26		112.49	CDM
		07/20/99	42.44		112.31	CDM
		10/22/99	50.33		104.42	CDM
		01/25/00	54.25		100.50	CDM
		04/24/00	47.55		107.20	CDM
		10/17/00	47.29		107.46	CDM
		10/25/00	47.29		107.46	CDM
		04/17/01	44.90		109.85	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		07/17/01	44.40		110.35	CDM
		10/16/01	48.94		105.81	CDM
		01/15/02	47.61		107.14	CDM
		04/16/02	47.20		107.55	CDM
		07/24/02	51.67		103.08	CDM
		10/22/02	55.20		99.55	CDM
		01/24/03	53.09		101.66	CDM
		04/23/03	49.05		105.70	CDM
		07/29/03	52.31		102.44	CDM
		10/21/03	58.33		96.42	CDM
		01/21/04	59.87		94.88	CDM
		04/20/04	58.90		95.85	CDM
		07/20/04	62.00		92.75	CDM
		10/11/04	66.33		88.42	CDM
		01/26/05	62.41		91.95	CDM
		04/26/05	52.35		102.01	CDM
		07/26/05	49.87		104.49	CDM
		10/18/05	50.86		103.50	Iris Environmental
		01/25/06	52.29		102.07	Iris Environmental
		04/25/06	49.20		105.16	Iris Environmental
		07/25/06	48.80		105.56	Iris Environmental
		10/24/06	51.10		103.26	Iris Environmental
Phibrotech MW6B	45-75	01/15/89	54.34	149.46	95.12	CDM
		04/25/89	50.35	149.53	99.11	CDM
		07/17/89	51.07	149.35	98.39	CDM
		10/23/89	54.11		95.35	CDM
		01/22/90	53.49		95.97	CDM
		04/09/90	51.70		97.76	CDM
		07/10/90	50.18		99.28	CDM
		10/15/90	51.08		98.45	CDM
		01/07/91	51.66		97.87	CDM
		01/13/92	46.30		103.23	CDM
		03/30/92	43.67		105.86	CDM
		07/13/92	42.96		106.57	CDM
		10/13/92	45.41		104.12	CDM
		01/19/93	42.30		107.23	CDM
		04/19/93	34.89		114.64	CDM
		07/12/93	34.19		115.34	CDM
		10/12/93	34.07		115.46	CDM
		01/10/94	34.16		115.37	CDM
		04/11/94	33.38		116.15	CDM
		07/18/94	32.86		116.67	CDM
		10/10/94	38.40		111.13	CDM
		01/16/95	37.34		112.19	CDM
		04/17/95	32.11		117.42	CDM
		07/10/95	30.60		118.93	CDM
		10/09/95	34.08		115.45	CDM
		01/29/96	36.06		113.47	CDM
		04/15/96	32.88		116.65	CDM
		07/15/96	33.35		116.18	CDM
		10/07/96	36.87		112.66	CDM
		01/13/97	35.33		114.20	CDM
		04/15/97	32.58		116.95	CDM
		07/08/97	32.52		117.01	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		10/14/97	35.82		113.71	CDM
		01/13/98	37.47		112.06	CDM
		04/21/98	32.77		116.76	CDM
		07/14/98	31.58		117.95	CDM
		10/19/98	34.70		114.83	CDM
		01/19/99	36.79		112.74	CDM
		04/20/99	36.97		112.56	CDM
		07/20/99	37.10		112.43	CDM
		10/22/99	44.49		105.04	CDM
		01/25/00	48.27		101.26	CDM
		04/24/00	42.32		107.21	CDM
		10/17/00	41.98		107.55	CDM
		10/25/00	41.98		107.55	CDM
		04/17/01	39.72		109.81	CDM
		07/17/01	39.24		110.29	CDM
		10/16/01	43.47		106.06	CDM
		01/15/02	42.52		107.01	CDM
		04/16/02	41.95		107.58	CDM
		07/24/02	46.09		103.44	CDM
		10/22/02	49.50		100.03	CDM
		01/24/03	47.83		101.70	CDM
		04/23/03	43.98		105.55	CDM
		07/29/03	46.75		102.78	CDM
		10/21/03	42.29		107.24	CDM
		01/21/04	54.05		95.48	CDM
		04/20/04	53.45		96.08	CDM
		07/20/04	56.15		93.38	CDM
		10/11/04	59.91		89.62	CDM
		01/26/05	57.39		91.96	CDM
		04/26/05	47.80		101.55	CDM
		07/26/05	45.00		104.35	CDM
		10/18/05	45.82		103.53	Iris Environmental
		01/25/06	47.10		102.25	Iris Environmental
		04/25/06	44.25		105.10	Iris Environmental
		07/25/06	43.70		105.65	Iris Environmental
		10/24/06	45.84		103.51	Iris Environmental
Phibrotech MW8	41-71	01/15/89	54.69	149.53	94.84	CDM
		04/25/89	50.47		99.06	CDM
		07/17/89	51.40		98.13	CDM
		10/23/89	54.63		94.90	CDM
		01/22/90	53.91		95.62	CDM
		04/09/90	52.02		97.51	CDM
		07/10/90	50.45		99.08	CDM
		10/15/90	51.47	149.98	98.51	CDM
		01/07/91	52.05		97.93	CDM
		01/19/93	42.58		107.40	CDM
		04/19/93	34.92		115.06	CDM
		07/12/93	34.34		115.64	CDM
		10/12/93	34.33		115.65	CDM
		01/10/94	34.39		115.59	CDM
		04/11/94	33.63		116.35	CDM
		07/18/94	33.10		116.88	CDM
		10/10/94	38.92		111.06	CDM
		01/16/95	37.84		112.14	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		04/17/95	32.22		117.76	CDM
		07/10/95	30.81		119.17	CDM
		10/09/95	34.45		115.53	CDM
		01/29/96	36.40		113.58	CDM
		04/15/96	33.10		116.88	CDM
		07/15/96	33.59		116.39	CDM
		10/07/96	37.31		112.67	CDM
		01/13/97	35.66		114.32	CDM
		04/15/97	32.80		117.18	CDM
		07/08/97	32.73		117.25	CDM
		10/14/97	36.24		113.74	CDM
		01/13/98	38.02		111.96	CDM
		04/21/98	33.03		116.95	CDM
		07/14/98	32.05	150.17	118.12	CDM
		10/19/98	34.61		115.56	CDM
		01/19/99	37.40		112.77	CDM
		04/20/99	37.50		112.67	CDM
		07/20/99	37.63		112.54	CDM
		10/22/99	45.29		104.88	CDM
		01/25/00	49.05		101.12	CDM
		04/24/00	42.73		107.44	CDM
		10/17/00	42.25		107.92	CDM
		10/25/00	42.25		107.92	CDM
		04/17/01	40.23		109.94	CDM
		07/17/01	39.70		110.47	CDM
		10/16/01	44.08		106.09	CDM
		01/15/02	42.92		107.25	CDM
		04/16/02	42.42		107.75	CDM
		07/24/02	46.73		103.44	CDM
		10/22/02	50.20		99.97	CDM
		01/24/03	48.28		101.89	CDM
		04/23/03	48.28		101.89	CDM
		07/29/03	47.38		102.79	CDM
		10/21/03	53.17		97.00	CDM
		01/21/04	54.75		95.42	CDM
		04/20/04	54.10		96.07	CDM
		07/20/04	57.00		93.17	CDM
		10/11/04	60.77		89.40	CDM
		01/26/05	57.50	149.70	92.20	CDM
		04/26/05	47.57		102.13	CDM
		07/26/05	45.05		104.65	CDM
		10/18/05	46.20		103.50	Iris Environmental
		01/25/06	47.21		102.49	Iris Environmental
		04/25/06	44.35		105.35	Iris Environmental
		07/25/06	43.90		105.80	Iris Environmental
		10/24/06	46.12		103.58	Iris Environmental
Phibrotech MW11	55-75	01/15/89	56.83	152.80	95.97	CDM
		04/25/89	52.95		99.85	CDM
		07/17/89	53.85		98.95	CDM
		10/23/89	57.03		95.77	CDM
		01/22/90	56.21		96.59	CDM
		04/09/90	54.36		98.44	CDM
		07/10/90	52.80		100.00	CDM
		10/15/90	53.84	152.81	98.97	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		01/07/91	54.52		98.29	CDM
		04/08/91	51.64		101.17	CDM
		07/08/91	50.62		102.19	CDM
		10/21/91	51.20		101.61	CDM
		01/13/92	48.72		104.09	CDM
		03/30/92	46.20		106.61	CDM
		07/13/92	45.69		107.12	CDM
		10/13/92	48.26		104.55	CDM
		01/19/93	44.54		108.27	CDM
		04/19/93	37.21		115.60	CDM
		07/12/93	36.74		116.07	CDM
		10/12/93	36.80		116.01	CDM
		01/10/94	36.78		116.03	CDM
		04/11/94	35.98		116.83	CDM
		07/18/94	35.58		117.23	CDM
		10/10/94	41.51		111.30	CDM
		01/16/95	40.28		112.53	CDM
		04/17/95	34.55		118.26	CDM
		07/10/95	33.30		119.51	CDM
		10/09/95	37.01		115.80	CDM
		01/29/96	38.83		113.98	CDM
		04/15/96	35.44		117.37	CDM
		07/15/96	36.06		116.75	CDM
		10/07/96	39.86		112.95	CDM
		01/13/97	38.03		114.78	CDM
		04/15/97	35.21		117.60	CDM
		07/08/97	35.20		117.61	CDM
		10/14/97	38.79		114.02	CDM
		01/13/98	40.58		112.23	CDM
		04/21/98	35.45		117.36	CDM
		07/14/98	37.19	155.76	118.57	CDM
		10/19/98	39.85		115.91	CDM
		01/19/99	42.71		113.05	CDM
		04/20/99	42.62		113.14	CDM
		07/20/99	42.88		112.88	CDM
		10/22/99	50.71		105.05	CDM
		01/25/00	54.45		101.31	CDM
		04/24/00	47.85		107.91	CDM
		10/17/00	47.70		108.06	CDM
		10/25/00	47.70		108.06	CDM
		04/17/01	45.29		110.47	CDM
		07/17/01	44.90		110.86	CDM
		10/16/01	49.34		106.42	CDM
		01/15/02	48.00		107.76	CDM
		04/16/02	47.56		108.20	CDM
		07/24/02	52.00		103.76	CDM
		10/22/02	55.44		100.32	CDM
		01/24/03	53.28		102.48	CDM
		04/23/03	49.35		106.41	CDM
		07/29/03	52.68		103.08	CDM
		10/21/03	58.53		97.23	CDM
		01/21/04	59.97		95.79	CDM
		04/20/04	59.11		96.65	CDM
		07/20/04	62.60		93.16	CDM
		10/11/04	66.32		89.44	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		01/26/05	62.60	155.45	92.85	CDM
		04/26/05	52.75		102.70	CDM
		07/26/05	50.26		105.19	CDM
		10/18/05	51.35		104.10	Iris Environmental
		01/25/06	52.62		102.83	Iris Environmental
		04/25/06	49.50		105.95	Iris Environmental
		07/25/06	49.25		106.20	Iris Environmental
		10/24/06	51.51		103.94	Iris Environmental
Phibrotech MW12S	51-72	10/15/90	53.36	152.64	99.28	CDM
		01/07/91	53.80		98.84	CDM
		01/13/92	48.24		104.40	CDM
		03/30/92	45.64		107.00	CDM
		07/13/92	45.10		107.54	CDM
		10/13/92	47.68		104.96	CDM
		01/19/93	44.30		108.34	CDM
		04/19/93	36.73		115.91	CDM
		07/12/93	36.30		116.34	CDM
		10/12/93	30.27		122.37	CDM
		01/10/94	36.24		116.40	CDM
		04/11/94	35.53		117.11	CDM
		07/18/94	35.08		117.56	CDM
		10/10/94	40.94		111.70	CDM
		01/16/95	39.70		112.94	CDM
		04/17/95	34.06		118.58	CDM
		07/10/95	32.80		119.84	CDM
		10/09/95	36.55		116.09	CDM
		01/29/96	38.21		114.43	CDM
		04/15/96	34.91		117.73	CDM
		07/15/96	35.53		117.11	CDM
		10/07/96	39.28		113.36	CDM
		01/13/97	37.38		115.26	CDM
		04/15/97	34.70		117.94	CDM
		07/08/97	34.68		117.96	CDM
		10/14/97	38.22		114.42	CDM
		01/13/98	39.96		112.68	CDM
		04/21/98	34.83		117.81	CDM
		07/14/98	36.96	155.79	118.83	CDM
		10/19/98	39.53		116.26	CDM
		01/19/99	42.29		113.50	CDM
		04/20/99	42.29		113.50	CDM
		07/20/99	42.55		113.24	CDM
		10/22/99	50.27		105.52	CDM
		01/25/00	53.89		101.90	CDM
		04/24/00	47.44		108.35	CDM
		10/17/00	47.27		108.52	CDM
		10/25/00	47.27		108.52	CDM
		04/17/01	44.92		110.87	CDM
		07/17/01	44.49		111.30	CDM
		10/16/01	48.25		107.54	CDM
		01/15/02	47.60		108.19	CDM
		04/16/02	47.19		108.60	CDM
		07/24/02	51.59		104.20	CDM
		10/22/02	55.01		100.78	CDM
		01/24/03	52.84		102.95	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		04/23/03	49.00		106.79	CDM
		07/29/03	52.27		103.52	CDM
		10/21/03	58.10		97.69	CDM
		01/21/04	59.53		96.26	CDM
		04/20/04	58.80		96.99	CDM
		07/20/04	61.83		93.96	CDM
		10/11/04	65.64		90.15	CDM
		01/26/05	61.71	155.16	93.45	CDM
		04/26/05	51.95		103.21	CDM
		07/26/05	49.50		105.66	CDM
		10/18/05	50.65		104.51	Iris Environmental
		01/25/06	51.75		103.41	Iris Environmental
		04/25/06	48.75		106.41	Iris Environmental
		07/25/06	48.52		106.64	Iris Environmental
		10/24/06	50.80		104.36	Iris Environmental
Phibrotech MW15S	51.5-71.5	10/15/90	53.30	151.01	97.71	CDM
		01/07/91	53.91		97.10	CDM
		04/08/91	51.13		99.88	CDM
		07/08/91	50.07		100.94	CDM
		10/21/91	50.66		100.35	CDM
		01/13/92	48.26		102.75	CDM
		03/30/92	45.72		105.29	CDM
		07/13/92	45.06		105.95	CDM
		10/13/92	42.64		108.37	CDM
		01/19/93	44.43		106.58	CDM
		04/19/93	36.60		114.41	CDM
		07/12/93	36.00		115.01	CDM
		10/12/93	35.94		115.07	CDM
		01/10/94	36.11		114.90	CDM
		04/11/94	35.29		115.72	CDM
		07/18/94	34.70		116.31	CDM
		10/10/94	40.59		110.42	CDM
		02/08/95	39.84		111.17	CDM
		04/17/95	33.86		117.15	CDM
		07/10/95	32.40		118.61	CDM
		10/09/95	36.06		114.95	CDM
		01/29/96	38.32		112.69	CDM
		04/15/96	34.92		116.09	CDM
		07/15/96	35.32		115.69	CDM
		10/07/96	39.20		111.81	CDM
		01/13/97	37.59		113.42	CDM
		04/15/97	34.66		116.35	CDM
		07/08/97	34.41		116.60	CDM
		10/14/97	37.93		113.08	CDM
		01/13/98	39.95		111.06	CDM
		04/21/98	34.96		116.05	CDM
		07/14/98	33.54		117.47	CDM
		10/19/98	36.14		114.87	CDM
		01/19/99	39.03		111.98	CDM
		04/20/99	39.16		111.85	CDM
		07/20/99	39.12		111.89	CDM
		10/22/99	46.94		104.07	CDM
		01/25/00	50.92		100.09	CDM
		04/24/00	44.45		106.56	CDM

TABLE 3-1

OPOG and EPA Historical Groundwater Elevations

Well ID	Screen Interval (ft BGS)	Date	Depth to Water (ft)	Measuring Point Elevation (ft)	Water Level Elevation (ft)	Consultant/Source
		10/17/00	44.19		106.82	CDM
		10/25/00	44.19		106.82	CDM
		04/17/01	41.88		109.13	CDM
		07/17/01	41.17		109.84	CDM
		10/16/01	45.74		105.27	CDM
		01/15/02	44.64		106.37	CDM
		04/16/02	44.02		106.99	CDM
		07/24/02	48.44		102.57	CDM
		10/22/02	51.98		99.03	CDM
		01/24/03	50.10		100.91	CDM
		04/23/03	46.02		104.99	CDM
		07/29/03	49.02		101.99	CDM
		10/21/03	55.02		95.99	CDM
		01/21/04	56.77		94.24	CDM
		04/20/04	55.88		95.13	CDM
		07/20/04	58.85		92.16	CDM
		10/11/04	63.02		87.99	CDM
		01/26/05	59.66	150.74	91.08	CDM
		04/26/05	49.63		101.11	CDM
		07/26/05	46.96		103.78	CDM
		10/18/05	47.85		102.89	Iris Environmental
		01/25/06	49.32		101.42	Iris Environmental
		04/25/06	46.37		104.37	Iris Environmental
		07/25/06	45.86		104.88	Iris Environmental
		10/24/06	48.50		102.24	Iris Environmental

TABLE 3-2

Summary of 2009 First Quarter and Third Quarter Vertical Gradients of OPOG and EPA Cluster Wells

	Screen Location		Water Level		Vertical Gradient		
Well ID	Top Screen	Bottom Screen	1st Quarter 2009	3rd Quarter 2009	Adjacent Screens	1st Quarter 2009	3rd Quarter 2009
MW1A	112.81	97.81	113.39	111.01	MW1A-MW1B	-0.0168	-0.0177
MW1B	83.10	72.70	113.85	111.48			
MW4A	104.32	94.02	111.65	109.60	MW4A-MW4B	-0.0070	-0.0052
MW4B	77.30	67.00	111.84	109.74	MW4B-MW4C	0.1322	0.1655
MW4C	58.69	48.39	109.38	106.66			
MW8A	120.44	105.44	109.54	NA	MW8A-MW8B	0.0004	NA
MW8B	85.33	75.33	109.53	107.63	MW8B-MW8C	0.0620	0.0828
MW8C	63.63	58.63	108.34	106.04	MW8C-MW8D	0.2623	0.3410
MW8D	40.09	30.09	101.51	97.16			
MW9A	123.88	113.88	114.33	dry	MW9A-MW9B	0.6052	NA
MW9B	99.26	89.06	102.26	99.49			
MW16A	108.47	93.47	NA	NA	MW16A-MW16B	NA	NA
MW16B	47.47	37.47	89.40	85.84	MW16B-MW16C	0.0367	0.0796
MW16C	4.47	-10.53	87.73	82.22			
MW17A	103.40	88.40	NA	NA	MW17A-MW17B	NA	NA
MW17B	65.40	55.40	78.65	75.99	MW17B-MW17C	0.0551	0.2165
MW17C	-12.60	-22.60	74.35	59.10			
MW18A	88.32	73.32	107.09	104.73	MW18A-MW18B	-0.0013	0.0019
MW18B	54.32	44.32	107.13	104.67	MW18B-MW18C	0.0338	0.0665
MW18C	-1.68	-16.68	105.15	100.78			
MW20A	67.07	52.07	59.36	56.39	MW20A-MW20B	0.0133	0.0174
MW20B	20.07	10.07	58.82	55.71	MW20B-MW20C	0.1962	NA
MW20C	-37.93	-47.93	47.44	NA			
MW23A	114.07	94.07	109.38	107.45	MW23A-MW23B	0.0306	0.0413
MW23B	67.36	52.36	108.10	105.76	MW23B-MW23C	0.0700	0.0959
MW23C	4.36	-10.64	103.69	99.72	MW23C-MW23D	0.0695	0.0756
MW23D	-25.64	-35.64	101.78	97.64			
MW24A	112.44	92.44	115.62	113.22	MW24A-MW24B	0.1282	0.1703
MW24B	52.44	37.44	108.25	103.43	MW24B-MW24C	0.0043	0.0043
MW24C	22.44	2.44	108.11	103.29	MW24C-MW24D	0.0165	0.0329
MW24D	-10.56	-15.56	107.69	102.45			
MW25A	103.25	83.25	96.40	93.84	MW25A-MW25B	0.0106	0.0226
MW25B	58.25	38.25	95.96	92.93	MW25B-MW25C	0.0489	0.1171
MW25C	8.25	-1.75	93.76	87.66	MW25C-MW25D	0.1200	NA
MW25D	-45.75	-60.75	86.98	NA			
MW26A	85.98	65.98	73.20	70.46	MW26A-MW26B	0.0149	0.0117
MW26B	50.98	35.98	72.81	70.17	MW26B-MW26C	0.1533	0.3790
MW26C	10.98	-4.02	66.68	55.01	MW26C-MW26D	-0.0254	NA
MW26D	-29.02	-49.02	67.76	NA			
MW27A	49.47	29.47	51.19	48.04	MW27A-MW27B	0.0000	0.0004
MW27B	-4.53	-24.53	51.19	48.02	MW27B-MW27C	0.4948	0.7019
MW27C	-40.53	-50.53	35.85	26.26	MW27C-MW27D	-0.0305	NA
MW27D	-60.53	-70.53	36.46	NA			
OW1A	146.99	132.49	134.33	123.71	OW1A-OW1B	0.0906	0.1078
OW1B	97.37	87.37	130.61	119.86			
OW3A	136.08	116.08	131.53	123.84	OW3A-OW3B	0.4640	0.4182
OW3B	85.77	75.77	111.56	107.45			
OW4A	135.13	115.13	120.14	117.95	OW4A-OW4B	0.1794	0.2222
OW4B	72.95	62.65	111.20	107.12			
OW8A	140.80	121.20	140.80	121.2	OW8A-OW8B	0.4253	0.3245
OW8B	85.43	75.43	85.43	75.43			

TABLE 3-3a
Summary of Detections - First Quarter 2008
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
1,1,1-Trichloroethane	12	0.50 to 5.00	0.2 J to 2600	OW1A	200	1	CA/USEPA Primary MCL
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44	0.50 to 5000	0.23 J to 1200	OW8A	1200	0	CA/USEPA Primary MCL
1,1,2-Trichloroethane	7	0.50 to 50.0	0.21 J to 0.8	MW23A	5	0	CA/USEPA Primary MCL
1,1-Dichloroethane	26	0.50 to 5.00	0.22 J to 100	MW17A	5	7	CA Primary MCL
1,1-Dichloroethene	50	0.50 to 1.00	0.21 J to 1000	OW1A	6	34	CA Primary MCL
1,2-Dichlorobenzene	1	0.50 to 50.0	0.22 J	MW6	600	0	CA/USEPA Primary MCL
1,2-Dichloroethane	20	0.50 to 500	0.94 to 280	EW-2	0.5	20	CA Primary MCL
Benzene	5	0.50 to 500	0.21 J to 0.29 J	MW23A	1	0	CA Primary MCL
Carbon tetrachloride	4	0.50 to 500	0.2 J to 0.37 J	MW17C	0.5	0	CA Primary MCL
Chloroform	44	0.50 to 1000	0.23 J to 1100	EW-2	80	6	CA/USEPA Primary MCL
cis-1,2-Dichloroethene	40	0.50 to 50.0	0.24 J to 170 J	MW17A	6	15	CA Primary MCL
cis-1,3-Dichloropropene	1	0.50 to 500	0.21 J	MW26C	0.5	0	CA Primary MCL for 1,3-dichloropropene
Dichlorodifluoromethane (Freon 12)	13	0.50 to 5000	0.25 J to 2.9	MW15	1000	0	CA Department of Health Services State notification
Dichlorotrifluoroethane	1	NA	4.2 J	OW1B	NE	0	
Methyl tert-butyl ether	19	0.50 to 5.00	0.2 J to 3.9	MW30	13	0	CA Primary MCL
Methylene chloride	4	0.50 to 5000	5 J to 480 J	OW1A	5	3	CA/USEPA Primary MCL
Tetrachloroethene	66	0.5	0.2 J to 170000 J	OW1A	5	48	CA/USEPA Primary MCL
trans-1,2-Dichloroethene	15	0.50 to 50.0	0.22 J to 56 J	MW23A	10	5	CA Primary MCL
Trichloroethene	62	0.50 to 1.00	0.28 J to 3800	OW1A	5	43	CA/USEPA Primary MCL
Trichlorofluoromethane (Freon 11)	38	0.50 to 50.0	0.65 to 370	MW15	150	7	CA Primary MCL
Vinyl chloride	2	0.50 to 500	0.4 J to 0.43 J	MW27B	0.5	0	CA Primary MCL

Notes:
J = Estimated value
µg/L = micrograms per Liter
NE = Not Established
NA = Not Applicable

TABLE 3-3b
Summary of Detections - First Quarter 2009
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
1,1,1-Trichloroethane	7	0.50 to 20.0	0.23 J to 2000	OW1A	200	2	CA/USEPA Primary MCL
1,1,2,2-Tetrachloroethane	3	0.50 to 20.0	0.5 J	MW1A, MW8D	1	0	CA Primary MCL
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43	0.50 to 5000	0.3 J to 1700	OW8A	1200	1	CA/USEPA Primary MCL
1,1,2-Trichloroethane	4	0.50 to 20.0	0.5 J to 90 J	OW8A	5	1	CA/USEPA Primary MCL
1,1-Dichloroethane	23	0.50 to 20.0	0.2 J to 74 J	OW8A	5	5	CA Primary MCL
1,1-Dichloroethene	49	0.50 to 1.00	0.22 J to 1500	OW9	6	32	CA Primary MCL
1,2,3-Trichlorobenzene	6	0.50 to 20.0	0.5 J	MW10, MW8D	NE	0	
1,2,4-Trichlorobenzene	6	0.50 to 20.0	0.5 J	MW10, MW8D	5	0	CA Primary MCL
1,2-Dibromo-3-chloropropane	5	0.50 to 5000	0.5 J	MW1A, MW8D	0.200000003	5	CA/USEPA Primary MCL
1,2-Dibromoethane	3	0.50 to 20.0	0.5 J	MW1A, MW8D	0.050000001	3	CA/USEPA Primary MCL
1,2-Dichlorobenzene	7	0.50 to 20.0	0.5 J to 11 J	OW1B	600	0	CA/USEPA Primary MCL
1,2-Dichloroethane	11	0.50 to 500	0.5 J to 310	OW8A	0.5	9	CA Primary MCL
1,2-Dichloropropane	3	0.50 to 20.0	0.5 J	MW1A, MW8D	5	0	CA/USEPA Primary MCL
1,3-Dichlorobenzene	7	0.50 to 20.0	0.5 J to 0.52 J	OW1B	600	0	CA Department of Health Services State notification
1,4-Dichlorobenzene	7	0.50 to 20.0	0.5 J to 1.4 J	OW1B	5	0	CA Primary MCL
2-Hexanone	3	5	5 J	MW1A, MW8D	NE	0	
Benzene	4	0.50 to 500	0.44 J to 21 J	OW1B	1	1	CA Primary MCL
Bromochloromethane	2	0.50 to 20.0	0.5 J	MW8C, MW8D	NE	0	
Bromodichloromethane	4	0.50 to 20.0	0.5 J to 0.91 J	OW7	80	0	CA/USEPA Primary MCL
Bromoform	7	0.50 to 20.0	0.5 J to 0.99 J	OW7	80	0	CA/USEPA Primary MCL
Carbon disulfide	2	0.5	0.5 J	MW8C, MW8D	160	0	CA Department of Health Services State notification
Carbon tetrachloride	3	0.50 to 500	0.23 J to 0.5 J	MW1A, MW8C	0.5	0	CA Primary MCL
Chlorobenzene	4	0.50 to 20.0	0.5 J to 2.7 J	OW1B	70	0	CA Primary MCL
Chloroethane	2	0.50 to 20.0	0.5 J	MW8C, MW8D	16	0	Other taste and Odor
Chloroform	37	0.50 to 1000	0.21 J to 1100	OW9	80	2	CA/USEPA Primary MCL
cis-1,2-Dichloroethene	34	0.50 to 20.0	0.22 J to 170 J	MW1A	6	9	CA Primary MCL
cis-1,3-Dichloropropene	3	0.50 to 500	0.5 J	MW1A, MW8D	0.5	0	CA Primary MCL for 1,3-dichloropropene
Dibromochloromethane	5	0.50 to 20.0	0.5 J to 1.2	OW7	80	0	CA/USEPA Primary MCL
Dichlorodifluoromethane (Freon 12)	3	0.50 to 5000	0.42 J to 0.5 J	MW8C, MW8D	1000	0	CA Department of Health Services State notification
Ethylbenzene	4	0.50 to 20.0	0.5 J to 1.5 J	OW1B	300	0	CA Primary MCL
Isopropylbenzene	4	0.50 to 20.0	0.5 J to 2.3 J	OW1B	770	0	CA Department of Health Services State notification
m,p-Xylenes	4	0.50 to 20.0	0.5 J to 1.1 J	OW1B	1750	0	CA Primary MCL
Methyl cyclohexane	4	0.5	0.5 J to 1.1	MW27B	NE	0	
Methyl isobutyl ketone	3	5	5 J	MW1A, MW8D	120	0	CA Department of Health Services State notific
Methyl tert-butyl ether	5	0.50 to 20.0	0.28 J to 1.1	MW30	13	0	CA Primary MCL
Methylene chloride	4	0.50 to 5000	0.5 J to 1200	OW8A	5	2	CA/USEPA Primary MCL
o-Xylene	4	0.50 to 20.0	0.5 J to 1.2 J	OW1B	1750	0	CA Primary MCL
Styrene	3	0.50 to 20.0	0.5 J	MW1A, MW8D	100	0	CA/USEPA Primary MCL
Tetrachloroethene	61	0.5	0.21 J to 150000	OW1A	5	45	CA/USEPA Primary MCL
Toluene	5	0.50 to 20.0	0.5 J to 38 J	OW1B	150	0	CA Primary MCL
trans-1,2-Dichloroethene	12	0.50 to 20.0	0.2 J to 49 J	OW8A	10	1	CA Primary MCL

TABLE 3-3b
Summary of Detections - First Quarter 2009
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
trans-1,3-Dichloropropene	3	0.50 to 500	0.5 J	MW1A, MW8D	0.5	0	CA Primary MCL for 1,3-dichloropropene
Trichloroethene	57	0.50 to 1.00	0.33 J to 11000 J	OW1B	5	41	CA/USEPA Primary MCL
Trichlorofluoromethane (Freon 11)	40	0.50 to 1000	0.5 J to 280	OW9	150	3	CA Primary MCL
Vinyl chloride	3	0.50 to 500	0.5 J to 0.9	MW27A	0.5	1	CA Primary MCL

Notes:
J = Estimated value
µg/L = micrograms per Liter

NE = Not Established
NA = Not Applicable

TABLE 3-3c
Summary of Detections - Third Quarter 2009
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
1,1,1-Trichloroethane	6	0.50 to 5.00	0.13 J to 1900	OW1a	200	1	CA/USEPA Primary MCL
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48	0.50 to 5.00	0.15 J to 710	OW9	1200	0	CA/USEPA Primary MCL
1,1,2-Trichloroethane	2	0.50 to 5.00	0.16 J to 13	MW27A	5	1	CA/USEPA Primary MCL
1,1-Dichloroethane	28	0.50 to 5.00	0.12 J to 46 J	OW9	5	7	CA Primary MCL
1,1-Dichloroethene	45	0.50 to 1.00	0.45 J to 1600	OW9	6	35	CA Primary MCL
1,2-Dichlorobenzene	1	0.50 to 5.00	18	OW1a	600	0	CA/USEPA Primary MCL
1,2-Dichloroethane	9	0.50 to 5.00	0.47 J to 250	OW9	0.5	8	CA Primary MCL
1,2-Dichloropropane	2	0.50 to 5.00	0.51 to 5.1	MW20A	5	1	CA/USEPA Primary MCL
Benzene	2	0.50 to 50.0	0.29 J to 6.2	OW1a	1	1	CA Primary MCL
Bromodichloromethane	5	0.50 to 5.00	0.12 J to 0.97 J	OW7	80	0	CA/USEPA Primary MCL
Bromoform	1	0.50 to 5.00	0.14 J	MW2	80	0	CA/USEPA Primary MCL
Carbon disulfide	1	0.50 to 5.00	7.3 J	MW1A	160	0	CA Department of Health Services State notification
Carbon tetrachloride	13	0.50 to 50.0	0.11 J to 0.36 J	MW16B	0.5	0	CA Primary MCL
Chlorobenzene	1	0.50 to 5.00	6.8 J	OW1a	70	0	CA Primary MCL
Chloroethane	1	0.50 to 5.00	0.31 J	MW12	16	0	Other taste and Odor
Chloroform	46	0.50 to 2.00	0.24 J to 1100	OW9	80	3	CA/USEPA Primary MCL
cis-1,2-Dichloroethene	40	0.50 to 5.00	0.16 J to 110	MW12	6	16	CA Primary MCL
Dibromochloromethane	2	0.50 to 5.00	0.12 J to 0.96 J	OW7	80	0	CA/USEPA Primary MCL
Dichlorodifluoromethane (Freon 12)	9	0.50 to 500	0.11 J to 0.9 J	MW23C	1000	0	CA Department of Health Services State notification
Methyl cyclohexane	1	0.50 to 5.00	13	MW27A	NE	0	
Methyl tert-butyl ether	22	0.50 to 5.00	0.12 J to 2.3 J	MW23C	13	0	CA Primary MCL
Methylene chloride	2	0.50 to 500	0.58 J to 33 J	OW1a	5	1	CA/USEPA Primary MCL
Tetrachloroethene	61	0.5	0.23 J to 240000	OW1a	5	45	CA/USEPA Primary MCL
Toluene	2	0.50 to 5.00	2.3 J to 9.4 J	OW1a	150	0	CA Primary MCL
trans-1,2-Dichloroethene	19	0.50 to 5.00	0.11 J to 11	OW1a	10	1	CA Primary MCL
Trichloroethene	61	0.50 to 1.00	0.11 J to 2300	OW1a	5	40	CA/USEPA Primary MCL
Trichlorofluoromethane (Freon 11)	40	0.50 to 5.00	0.1 J to 260	OW9	150	2	CA Primary MCL
Vinyl chloride	3	0.50 to 50.0	0.15 J to 2.8	MW27A	0.5	1	CA Primary MCL

Notes:
J = Estimated value
µg/L = micrograms per Liter
NE = Not Established
NA = Not Applicable

TABLE 3-4

Statistics of Freon 113 and Freon 11 Ratios

Well ID	Sample Size	Statistics of Freon 113/Freon 11 Ratio							
		Minimum	Maximum	Median	Mean	Standard Deviation	95% LCL	95% UCL	COV
MW7	4	12.0	28.8	20.0	20.2	7.98	7.5	32.9	0.40
OW1A	35	9.5	9.5	9.5	9.5	2.09	9.5	9.5	1.00
OW4B	11	5.0	15.5	8.5	10.0	4.11	7.2	12.7	0.41
MW1B	16	2.3	7.3	4.1	4.2	1.28	3.5	4.9	0.30
MW23B	5	3.0	25.5	4.1	8.2	9.75	-3.9	20.3	1.19
MW1A	18	2.1	9.0	3.5	4.4	2.11	3.4	5.5	0.48
OW2	46	1.0	6.5	3.5	3.6	1.34	3.2	4.0	0.37
OW9	5	2.7	4.0	3.4	3.5	0.51	2.8	4.1	0.15
OW5	48	1.1	5.9	3.4	3.5	1.06	3.2	3.8	0.30
MW16A	4	2.0	3.6	3.4	3.1	0.76	1.9	4.3	0.24
MW8B	2	3.2	3.5	3.4	3.4	0.25	1.2	5.6	0.07
OW8A	55	2.1	8.6	3.1	3.6	1.49	3.2	4.0	0.42
MW25C	4	2.3	3.6	3.1	3.0	0.56	2.2	3.9	0.18
OW1B	26	2.3	5.5	3.1	3.4	0.76	3.1	8.7	0.26
MW24D	2	2.8	3.3	3.0	3.0	0.34	0.0	6.0	0.11
MW11	4	0.3	5.0	3.0	2.8	2.52	-1.2	6.8	0.89
MW12	1	3.0	3.0	3.0	3.0		3.0	3.0	1.00
MW26D	1	3.0	3.0	3.0	3.0		3.0	3.0	1.00
MW8C	3	0.6	5.4	3.0	3.0	2.40	-3.0	9.0	0.80
MW23C	13	2.1	3.6	2.9	2.9	0.40	2.7	3.1	0.14
MW23A	6	2.5	5.5	2.8	3.4	1.25	2.1	4.7	0.37
MW4C	21	1.7	4.3	2.8	2.9	0.62	2.6	3.1	0.22
MW23D	4	2.2	3.5	2.8	2.8	0.51	2.0	3.6	0.18
MW27A	6	2.2	6.4	2.8	3.7	1.98	1.7	5.8	0.53
MW14	9	1.4	3.3	2.7	2.6	0.60	2.2	3.1	0.23
MW25A	7	2.5	5.1	2.7	3.2	1.01	2.3	4.1	0.32
MW4B	25	0.2	4.3	2.7	2.6	0.86	2.3	3.0	0.32
MW2	22	1.9	3.4	2.6	2.7	0.39	2.5	2.8	0.14
MW24B	1	2.6	2.6	2.6	2.6		2.6	2.6	1.00
MW5	23	2.1	4.2	2.6	2.7	0.43	2.5	2.9	0.16
MW25B	6	1.6	3.8	2.5	2.6	0.74	1.9	3.4	0.28
MW16B	9	2.0	4.2	2.5	2.6	0.65	2.1	3.1	0.25
MW15	14	2.1	2.8	2.5	2.5	0.22	2.3	2.6	0.09
MW4A	28	0.2	4.7	2.4	2.4	0.71	2.2	2.7	0.29
MW26C	7	1.5	3.2	2.3	2.3	0.58	1.8	2.9	0.25
MW26B	7	1.7	2.4	2.2	2.1	0.29	1.8	2.4	0.14
MW17B	11	1.6	2.8	2.2	2.2	0.35	2.0	2.5	0.16
MW20A	10	1.2	2.7	2.2	2.1	0.45	1.8	2.5	0.21
MW20B	8	1.7	2.8	2.2	2.3	0.42	1.9	2.6	0.19
OW4A	43	1.0	2.7	2.2	2.1	0.35	2.0	2.2	0.17
OW8B	1	2.2	2.2	2.2	2.2		2.2	2.2	1.00
MW10	21	1.5	14.0	2.1	2.8	2.66	1.6	4.0	0.96
MW6	4	1.7	6.3	2.1	3.1	2.18	-0.4	6.5	0.72
MW24A	7	1.7	3.9	2.1	2.7	0.99	1.8	3.6	0.36
MW24C	5	1.7	2.8	2.1	2.1	0.43	1.6	2.7	0.20
OW10	2	1.7	2.3	2.0	2.0	0.40	-1.6	5.6	0.20
MW8D	10	1.5	2.3	1.9	1.9	0.21	1.8	2.1	0.11
MW17A	4	1.0	3.3	1.9	2.0	0.98	0.4	3.6	0.49

TABLE 3-4

Statistics of Freon 113 and Freon 11 Ratios

Well ID	Sample Size	Statistics of Freon 113/Freon 11 Ratio							
		Minimum	Maximum	Median	Mean	Standard Deviation	95% LCL	95% UCL	COV
MW26A	6	1.6	2.8	1.9	2.1	0.53	1.5	2.6	0.26
OW6	46	1.2	3.0	1.8	2.0	0.56	1.8	2.2	0.28
OW3A	48	1.4	2.1	1.6	1.6	0.24	1.5	1.6	1.00
MW9B	1	1.3	1.3	1.3	1.3		1.3	1.3	1.00
OW7	33	0.5	1.7	1.2	1.2	0.25	1.1	1.3	0.21
MW9A	1	1.1	1.1	1.1	1.1		1.1	1.1	1.00

Explanation

95% LCL - Lower 95% Confidence Limit

95% UCL - Upper 95% Confidence Limit

COV - Coefficient of Variation

The table is sorted by the median ratio.

TABLE 3-5

Summary Matrix of Trend Analysis

LOCID	TCE	FC113	DIOXANE14	DCE12C	TCA111	FC11	PCE	DCE11	TBUTMEE	TCLME	DCA12	DCA11	DCE12T	TCA112	BZ	FC12	MTLNCL	ACE	DCBZ12	BDCME	BZME	CLBZ	CLBZME2	CTCL	CYMP	DCBZ13	DCBZ14	EBZ	ipbz	MEK	PBZN	TC1112	TMB124	TMB135	VC	XYLENES1314	XYLO	DEC	INC	NS	NA
MW2	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC																				17	0	0	20
MW5	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC	DEC		NS																			16	0	1	20
MW4B	DEC	NS	DEC	DEC	DEC	NS	DEC	DEC	DEC	DEC	NS	DEC	DEC	DEC	DEC	NS		NS						NS													12	0	6	19
MW15	DEC	DEC	DEC	DEC	NS	DEC	DEC	DEC	DEC	DEC	DEC	DEC	NS	NS	NS	NS																					11	0	5	21
OW6	DEC	DEC	DEC			DEC	NS	DEC	DEC	DEC					DEC			NS																			8	0	2	27
OW1a	NS	DEC	DEC	NS	DEC	DEC	INC	DEC		DEC	DEC	NS	NS	NS	NS		NS		NS		NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS				NS	NS	7	1	21	8
MW4A	DEC	NS	DEC	DEC	DEC	NS	NS	NS	DEC	NS	NS	DEC	NS	NS	NS	NS		NS																			6	0	11	20
MW6	INC	DEC	NS	DEC			DEC	NS		NS		NS		DEC					DEC																		5	1	4	27
OW3a	NS	DEC	NS	NS	DEC	DEC	INC	DEC		NS		NS	NS		NS		DEC																				5	1	7	24
OW8A	NS	DEC	NS	NS	DEC	DEC	NS	DEC		NS	NS	NS	DEC	NS	NS	NS	NS	NS	NS		NS	NS						NS	NS	NS		NS	NS	NS		NS	NS	5	0	23	9
MW7	DEC	DEC		DEC			DEC	NS	NS	NS														NS													4	0	4	29
OW2	INC	DEC	DEC		NS	DEC	INC	NS		INC		NS	NS																								3	3	4	27
MW8A	DEC	NS	NS	DEC			DEC	NS	NS	NS																											3	0	5	29
MW9B	DEC	NS	NS	NS			DEC	NS	DEC	NS						NS																					3	0	6	28
OW7	DEC	DEC				DEC	NS	NS																													3	0	2	32
OW1B	NS	NS	DEC	NS	NS	INC	NS	NS		NS	DEC	NS			NS		NS	NS																	NS		2	1	12	22
OW4A	DEC	NS	NS		NS	NS	NS	NS	NS	DEC	NS	NS						NS																			2	0	10	25
MW21	INC		NS		DEC		NS	NS		INC																											1	2	3	31
MW17B	DEC	NS	NS	NS	NS	NS	NS	NS		INC	NS	NS												NS													1	1	10	25
MW20A	NS	NS	NS	NS		NS	DEC	NS		NS		INC																									1	1	7	28
MW10	NS	NS	DEC	NS		NS	NS	NS	NS	NS	NS	NS																									1	0	10	26
MW11	NS	NS		DEC		NS	NS		NS	NS		NS																									1	0	7	29
MW17A	NS			NS	DEC		NS	NS				NS																									1	0	5	31
OW4B	NS	NS				NS	NS	NS	NS		NS				NS			DEC																			1	0	8	28
MW16B	INC	INC		NS		INC	INC	INC		INC																											0	6	1	30
MW1B	INC	INC	INC	NS		INC	INC	INC		NS																											0	6	2	29
MW1A	NS	INC	INC	NS		INC	INC	INC		NS	NS	NS	NS											NS													0	5	7	25
MW4C	INC	NS	INC	NS		NS	INC	INC		INC																											0	5	3	29
MW25A	NS	INC		NS		INC	INC	INC		NS		NS																									0	4	4	29
MW8B	INC	INC		NS			INC	NS		NS						NS																					0	3	4	30
MW8C	INC	INC		NS			INC	NS		NS						NS		NS										NS									0	3	6	28
MW23B	NS	INC		NS			NS	NS		INC																											0	2	4	31
MW8D	INC	NS		NS		NS	INC	NS		NS														NS													0	2	6	29
MW9A	INC	NS		NS			INC	NS	NS	NS																											0	2	5	30
MW17C	NS						INC			NS														NS													0	1	3	33
MW23C	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	INC	NS																					0	1	14	22
MW12	NS						NS	NS																													0	0	3	34
MW13B	NS						NS																														0	0	2	35
MW14	NS	NS	NS			NS	NS	NS		NS																											0	0	7	30
MW16A	NS	NS	NS	NS			NS	NS		NS		NS								NS																	0	0	9	28
MW16C	NS						NS																														0	0	2	35
MW18A	NS	NS					NS																														0	0	3	34
MW18B	NS	NS					NS																														0	0	3	34
MW20B	NS	NS	NS	NS		NS	NS	NS		NS		NS																									0	0	9	28
MW20C	NS			NS				NS																													0	0	3	34
MW22	NS		NS				NS			NS																											0	0	4	33
MW23A	NS	NS		NS		NS	NS	NS		NS			NS																								0	0	8	29
MW23D	NS																																				0	0	1	36
MW24A	NS	NS				NS	NS	NS		NS																											0	0	6	31
MW24C						NS	NS																														0	0	2	35
MW25B	NS	NS		NS		NS	NS	NS		NS																											0	0	7	30
MW25C	NS						NS																														0	0	2	35
MW26A	NS	NS		NS	NS	NS	NS	NS		NS		NS																									0	0	9	28
MW26B	NS	NS		NS		NS	NS	NS		NS		NS																									0	0	8	29
MW26C	NS	NS		NS		NS	NS	NS		NS																											0	0	7	30
MW27A	NS	NS		NS		NS	NS	NS				NS																									0	0	7	30
MW27B	NS			NS			NS	NS				NS																									0	0	5	32
MW27C	NS																																				0	0	1	36
MW29	NS						NS																														0	0	2	35
MW3			NS				NS																														0	0	2	35
MW30				NS																																	0	0	1	36
OW3B							NS																														0	0	1	36
OW5	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS		NS	NS																			0	0	16	21
OW8B	NS						NS	NS																													0	0	3	34
Summary																																								
DEC	12	11	10	9	9	9	9	8	7	7	5	5	4	4	4	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119	51	365	
INC	10	7	3	0	0	5	13	5	0	6	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51			
NA	42	46	51	55	55	50	42	51	57	51	59	58	60	60	59	62	62	63	63	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	2198			
NS	38	28	16	32	7	22	38	36	8	31	10	21	9	6	8	8	4	9	2	1	2	2	1	7	1	1	1	3	2	1	1	2	1	1	1	2	2	365			

DEC= decreasing trend

INC = increasing trend

NS= not significant

NA= not applicable

This data is updated through 3rd quarter 2009

Figures

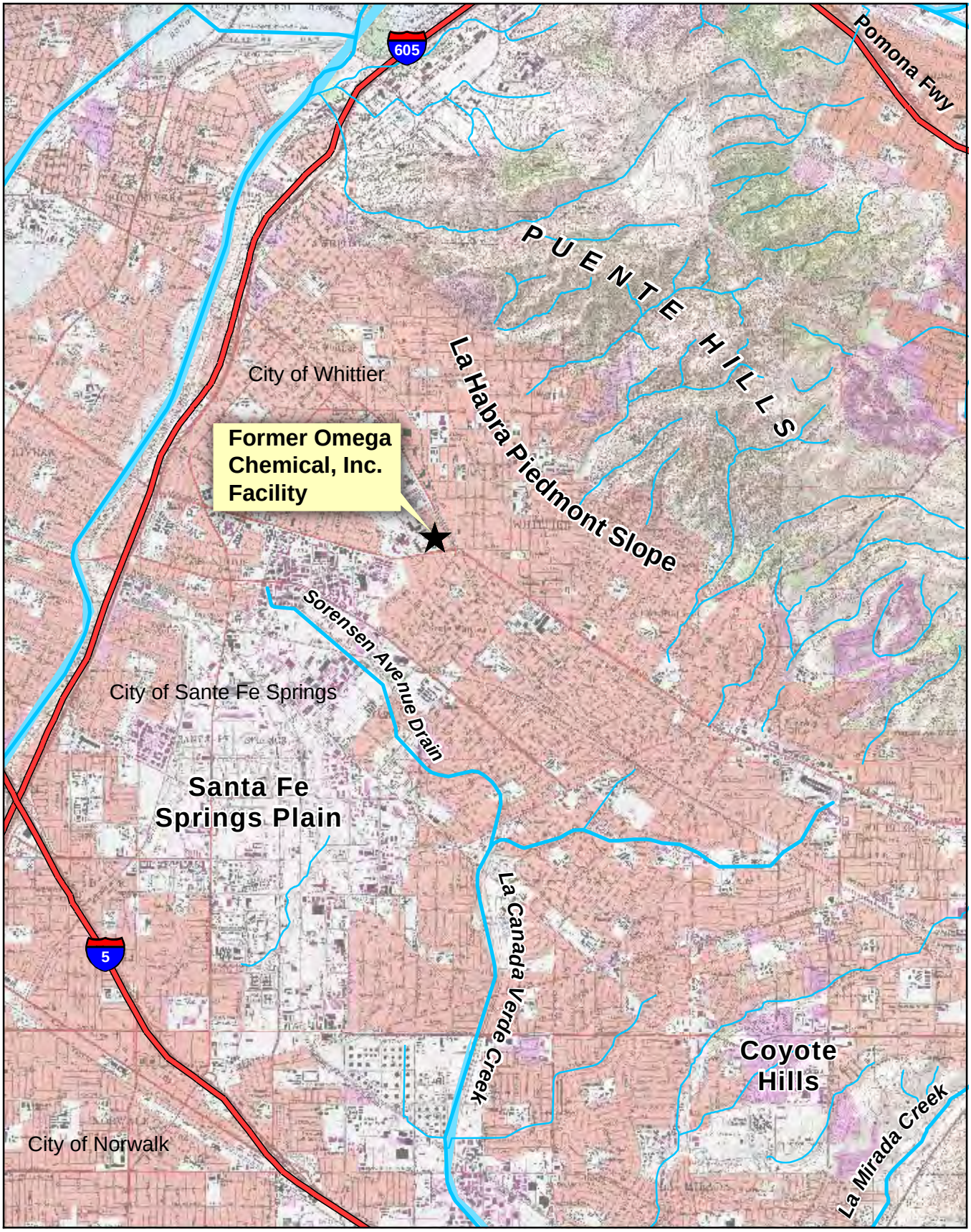
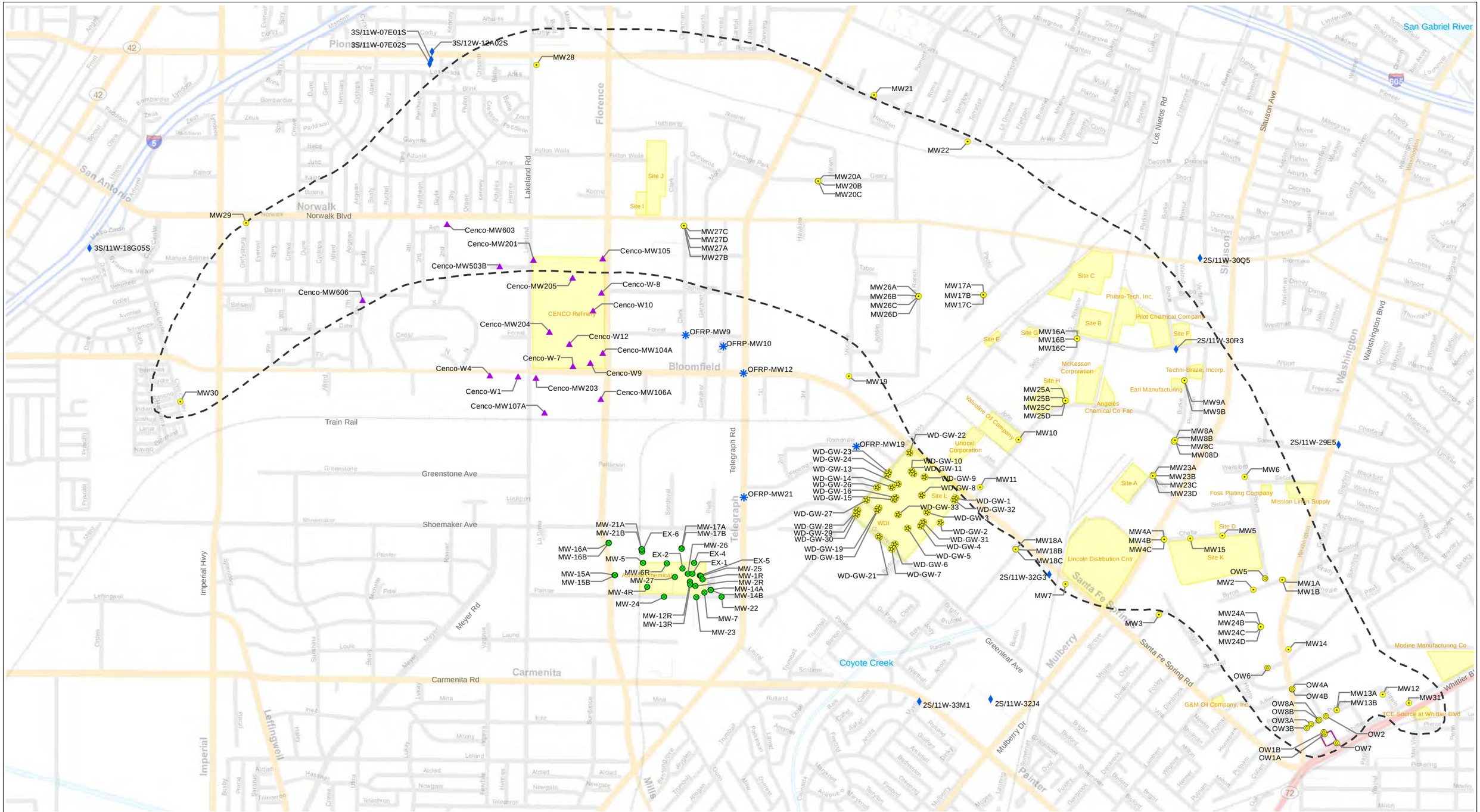


Figure 1-1
Facility Location Map
Omega Chemical Superfund Site

CH2MHILL

ES062006002SCO335392.RR.01 EPA_Omega_SiteLoc.ai 05/08



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Waste Disposal, Inc. (WDI) Well
- Oil Field Reclamation Project(OFRP)
- Production Well
- Approximate Boundary of Facilities
- Former Omega Facility
- OU2 Boundary

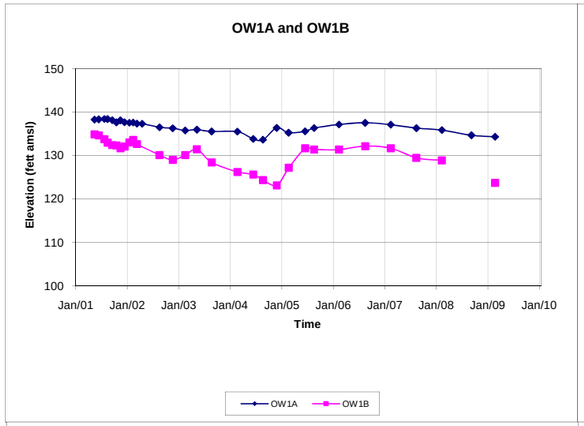
N

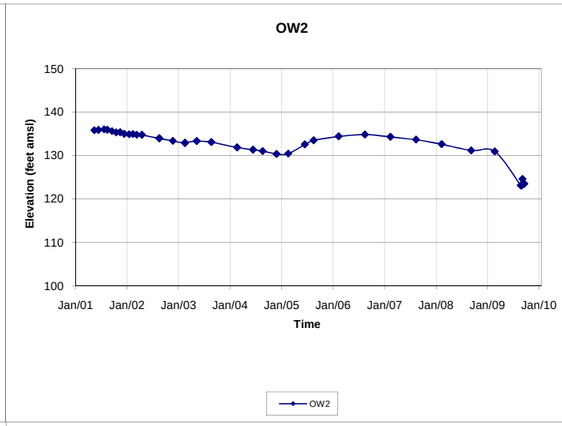
0 1000 2000 Feet

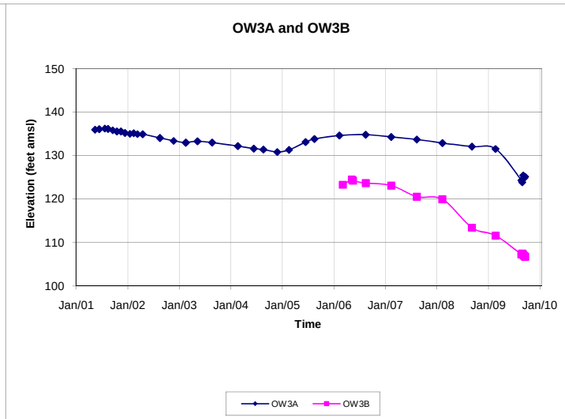
Figure 1-2
Monitoring Well Locations
Omega Chemical Superfund Site

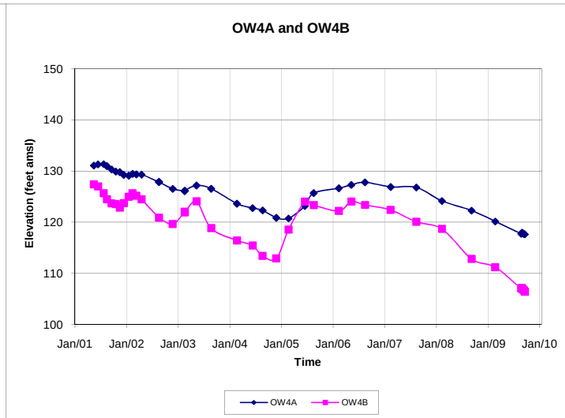
CH2MHILL

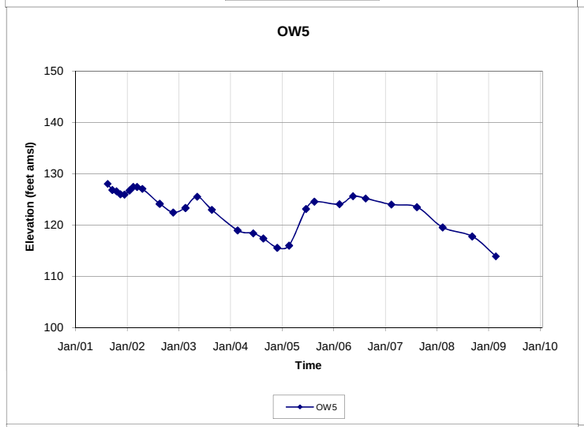
Path: Y:\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_Well_Locations.mxd

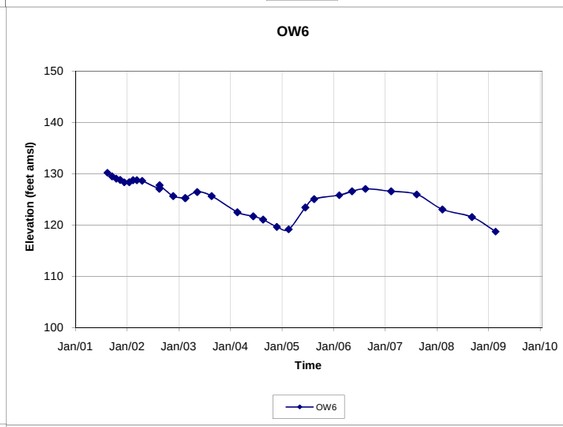


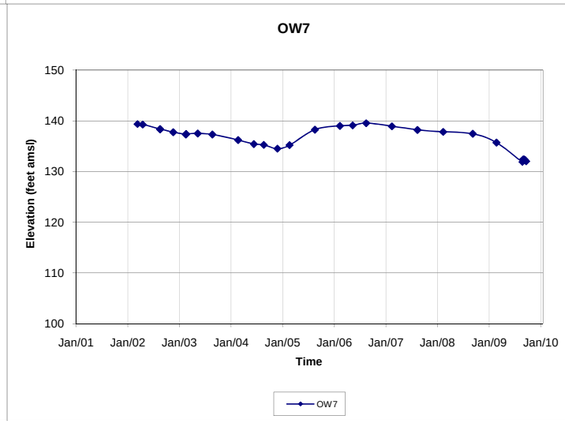


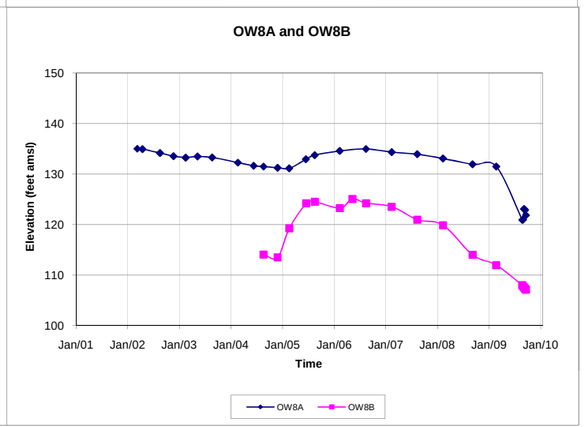


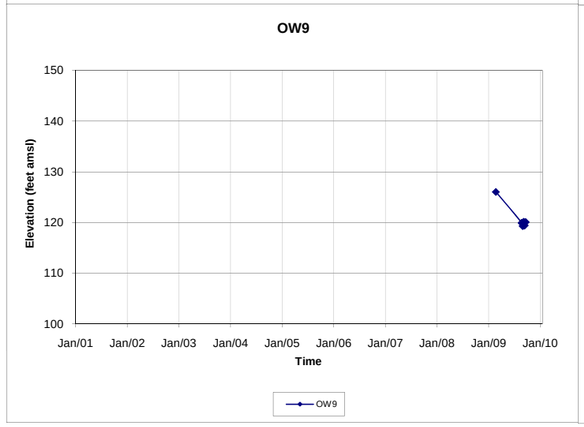












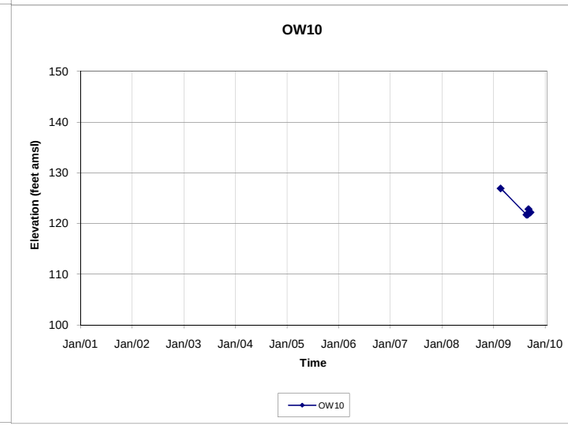


Figure 3-1a
Well Hydrographs
Omega Chemical

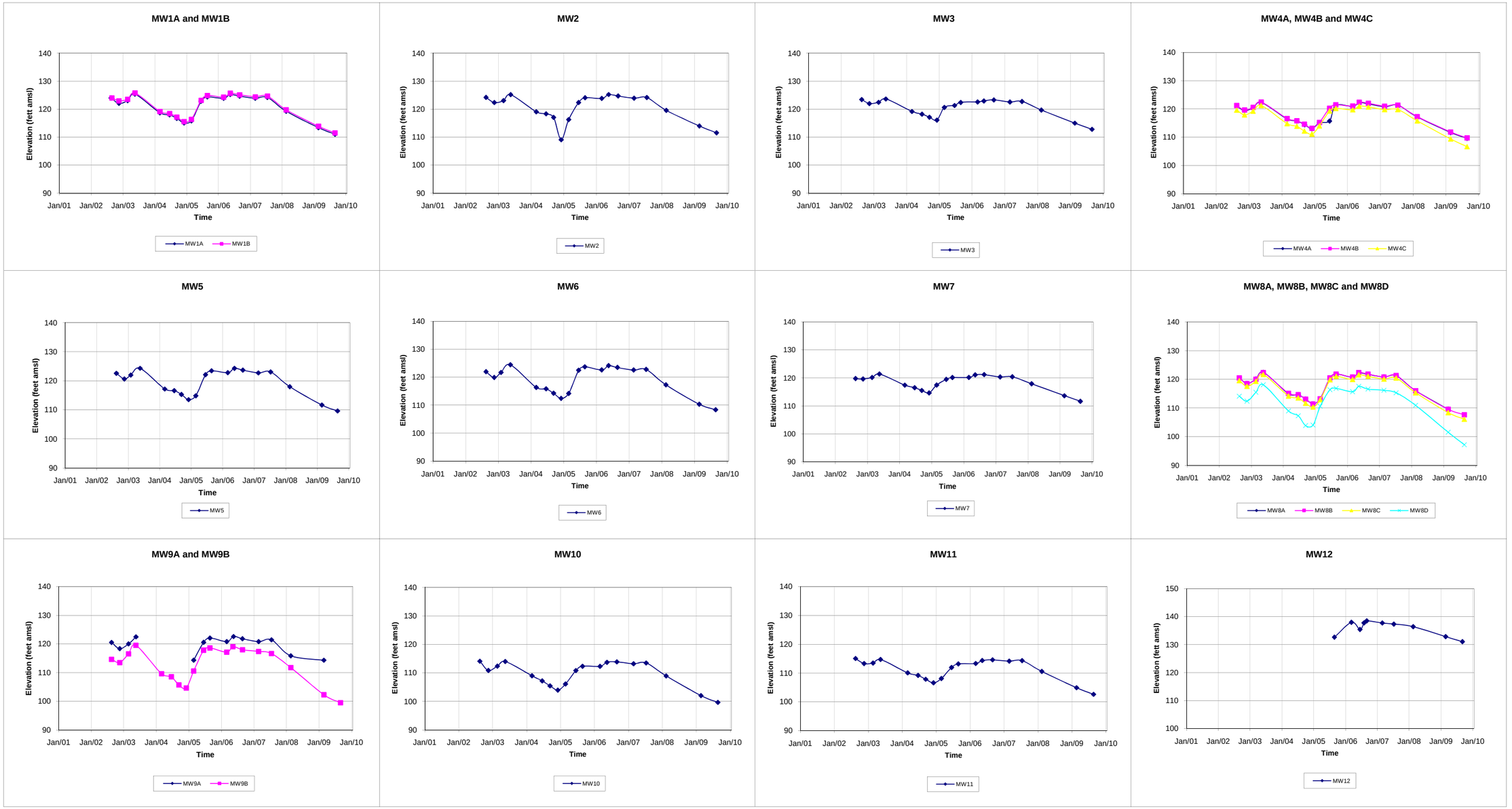
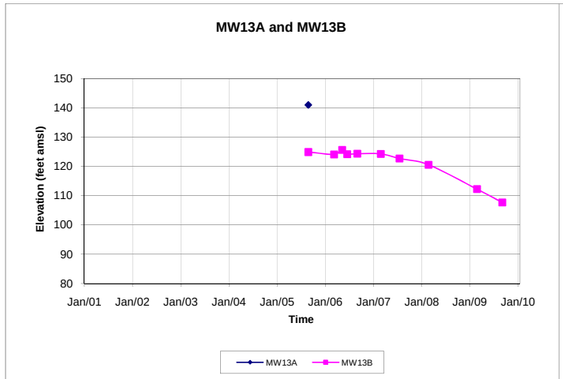
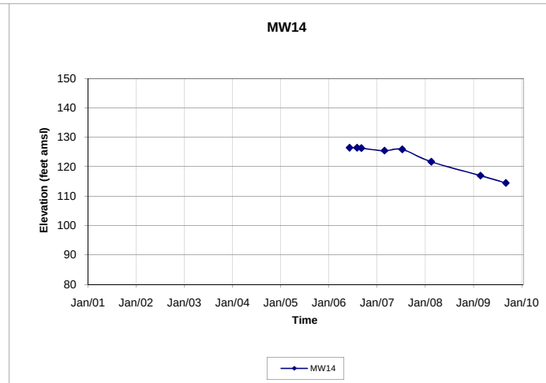
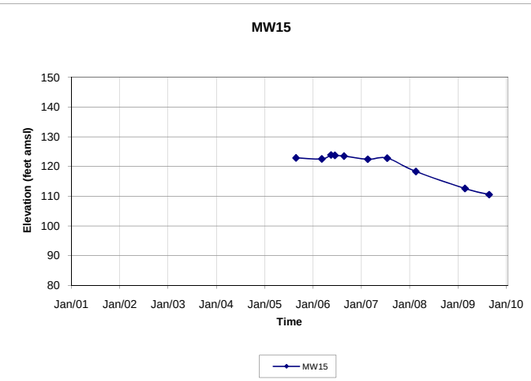
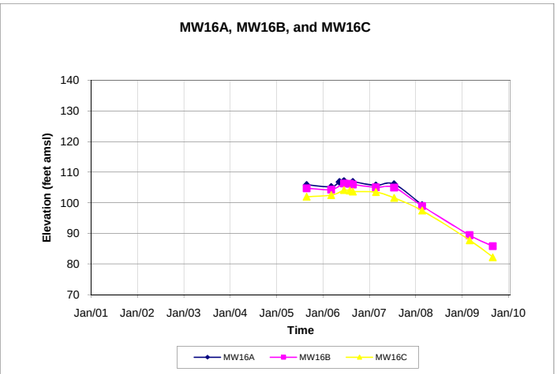


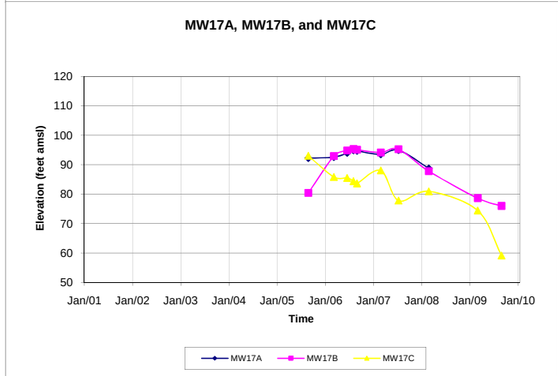
Figure 3-1b
Well Hydrographs
Omega Chemical

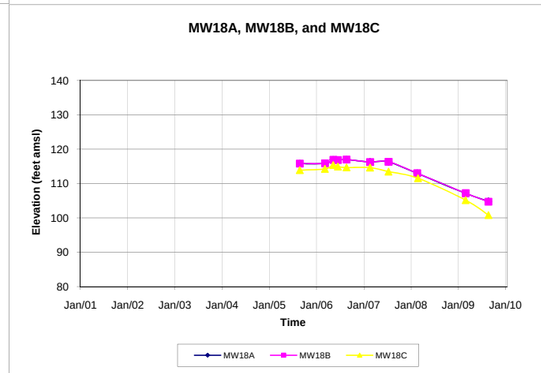


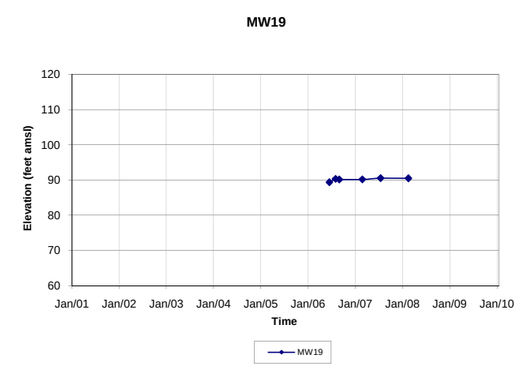


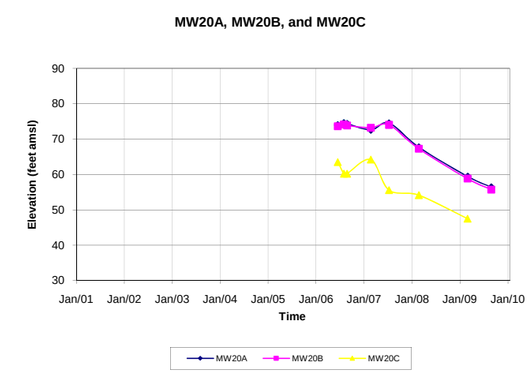


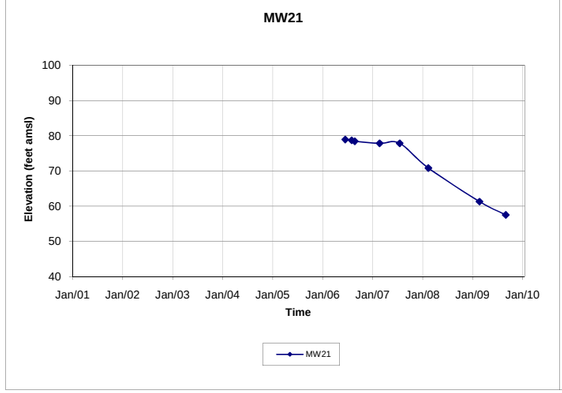


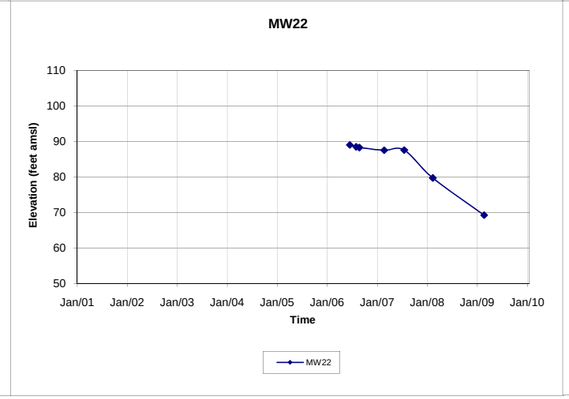


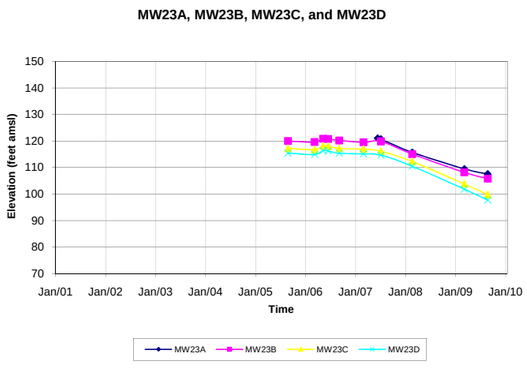












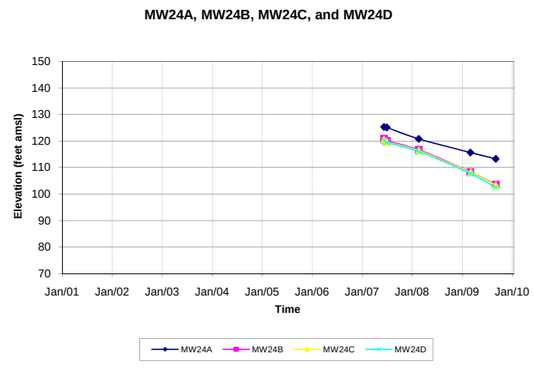
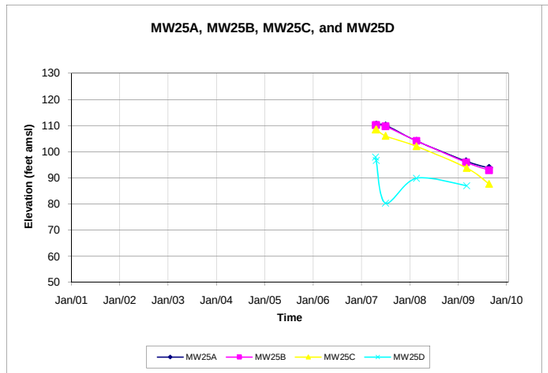
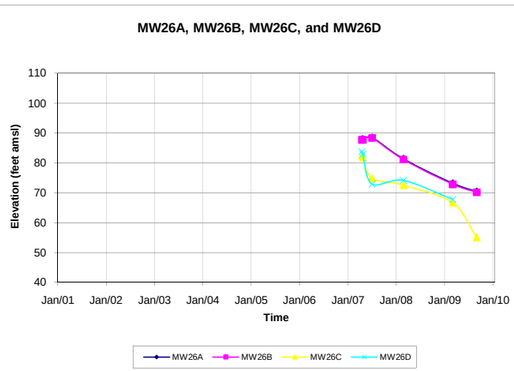
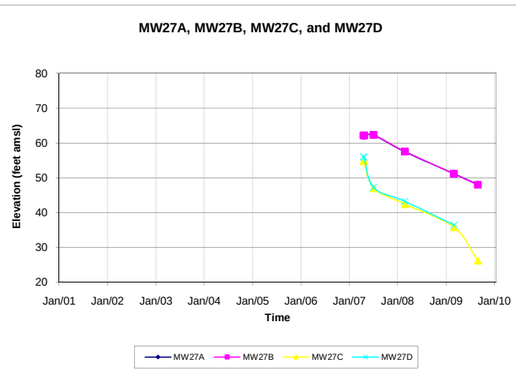
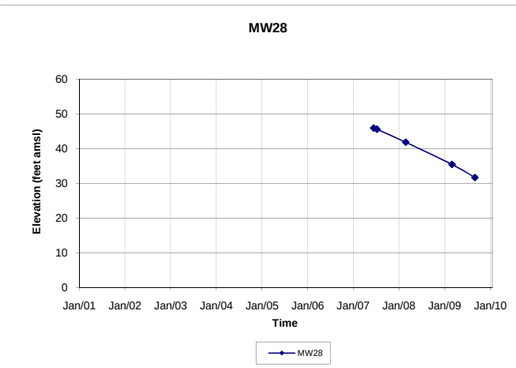


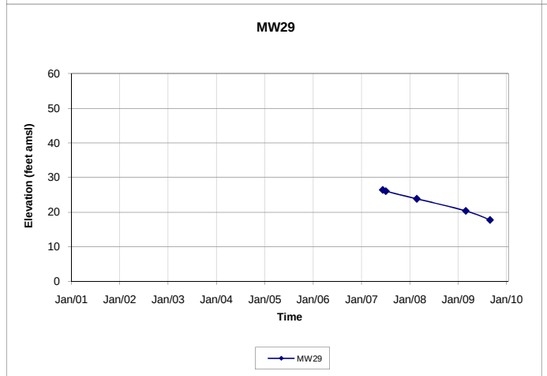
Figure 3-1c
Well Hydrographs
Omega Chemical

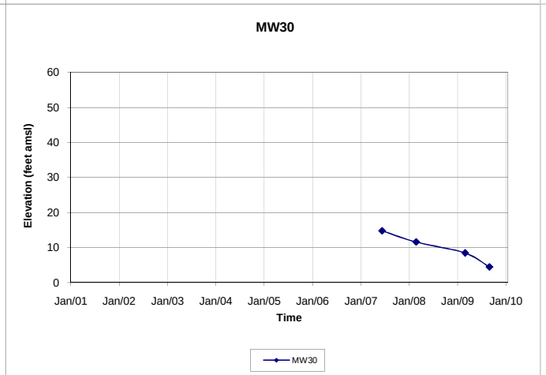












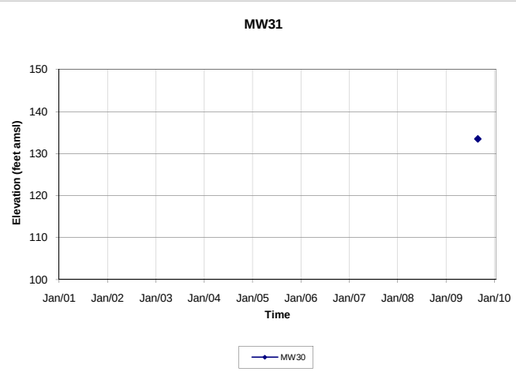
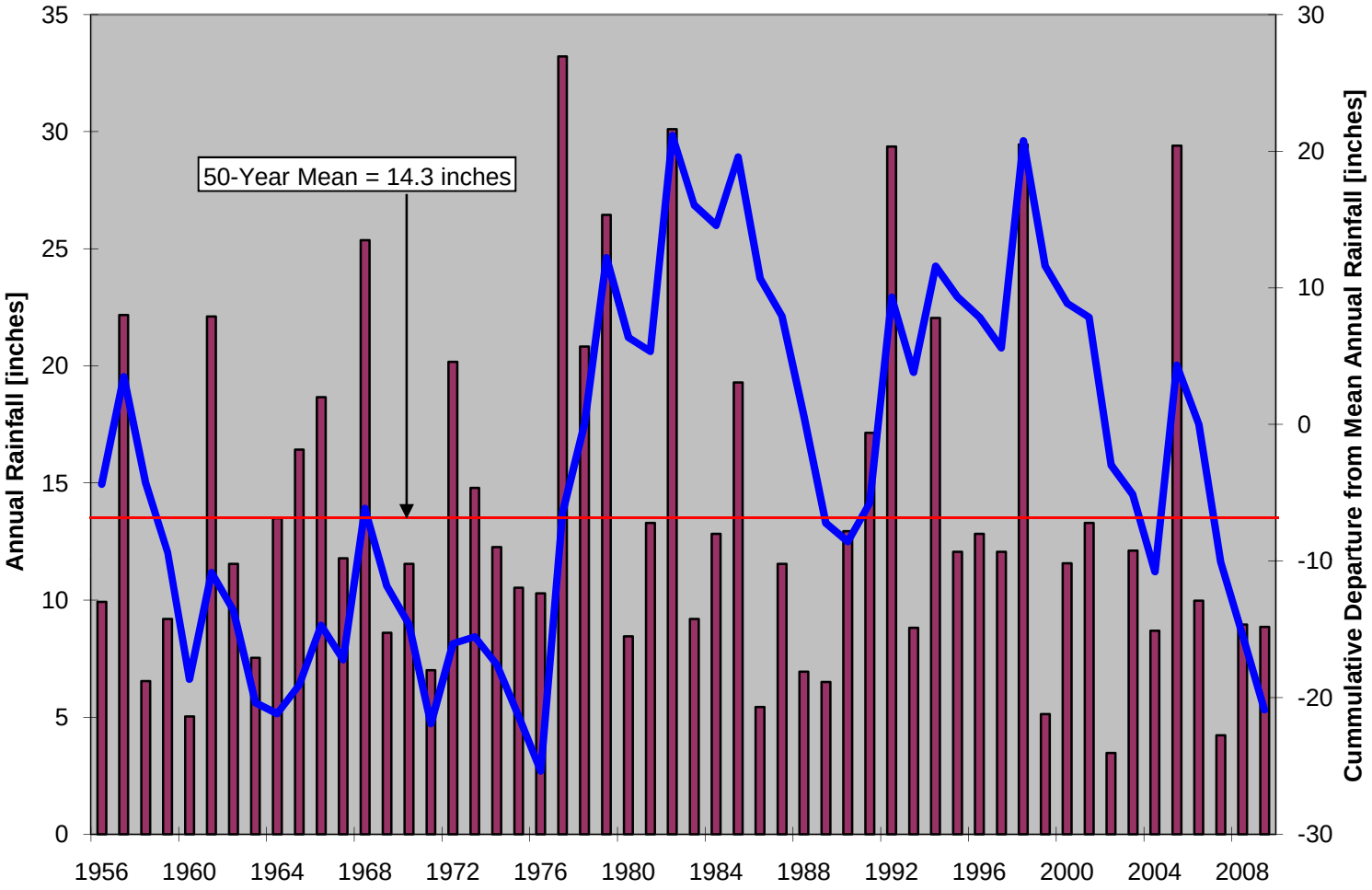
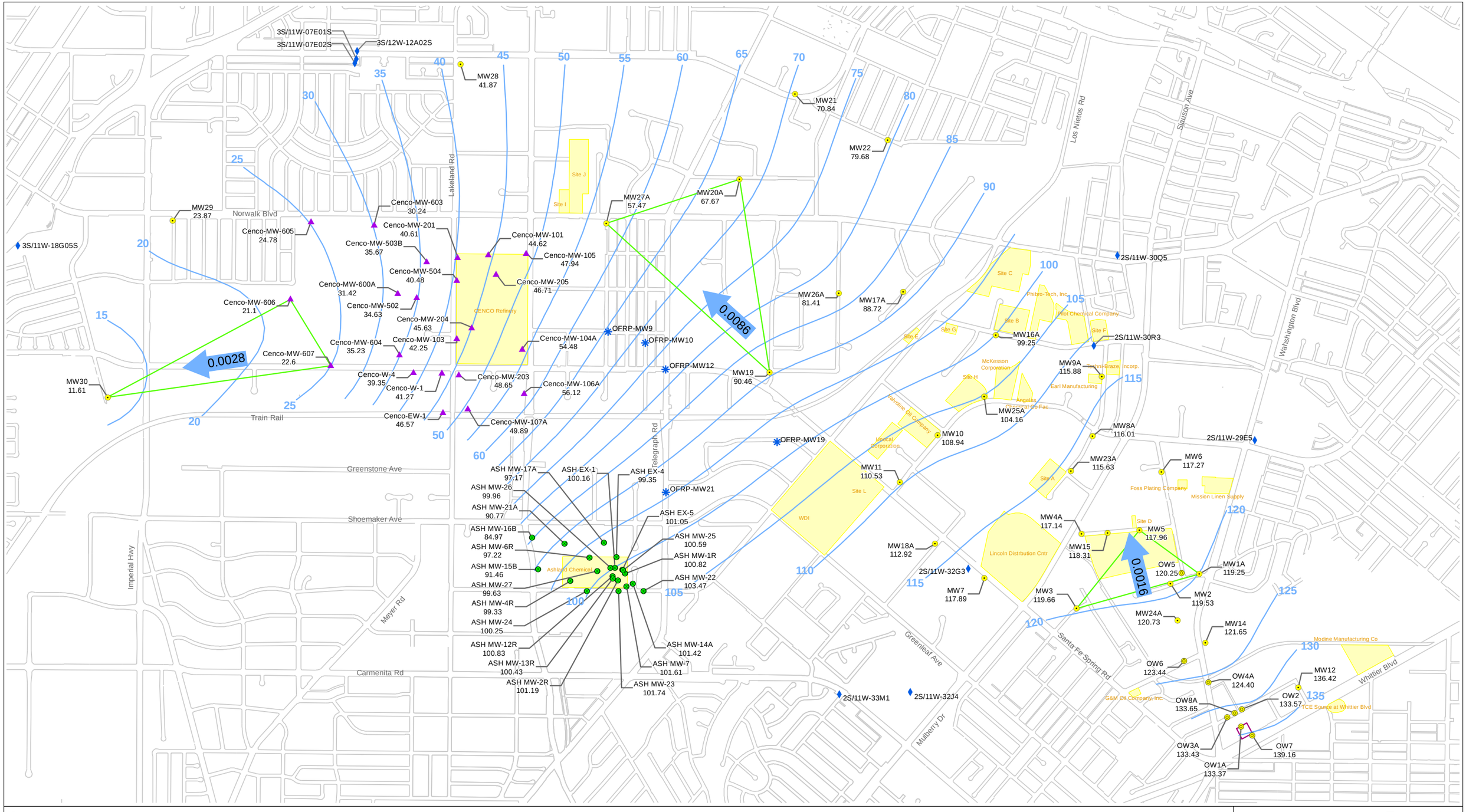


Figure 3-1d
Well Hydrographs
Omega Chemical

Figure 3-2
City of Whittier Annual Rainfall Totals
Omega Chemical Superfund Site



Note: Annual rainfall data from rain gage 106F - City of Whittier Storage Yard.



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Oil Field Reclamation Project(OFRP)
- Production Well
- Water Level Contour 1st Quarter 2008
- Approximate Boudary of Facilities
- Former Omega Facility

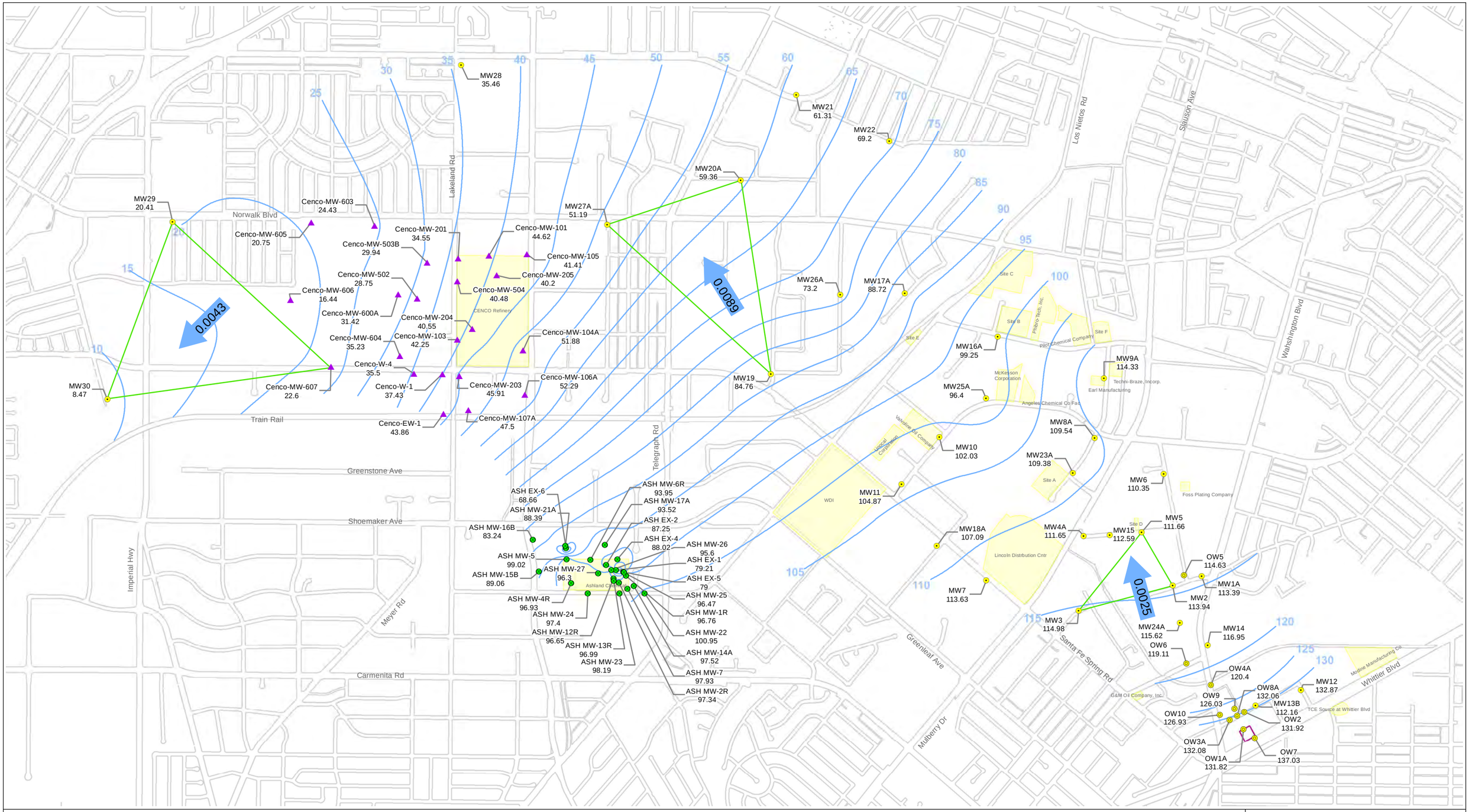
N

0 1000 2000 Feet

Figure 3-3
Water Table Contours, First Quarter 2008
Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2008_WaterTableContours_NO13B.mxd



Legend

- EPA Monitoring Well (March 2009)
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well (March 2009)
- CENCO Well (1st Quarter, 2009)
- Ashland Chemical Well
- Oil Field Reclamation Project(OFRP)
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

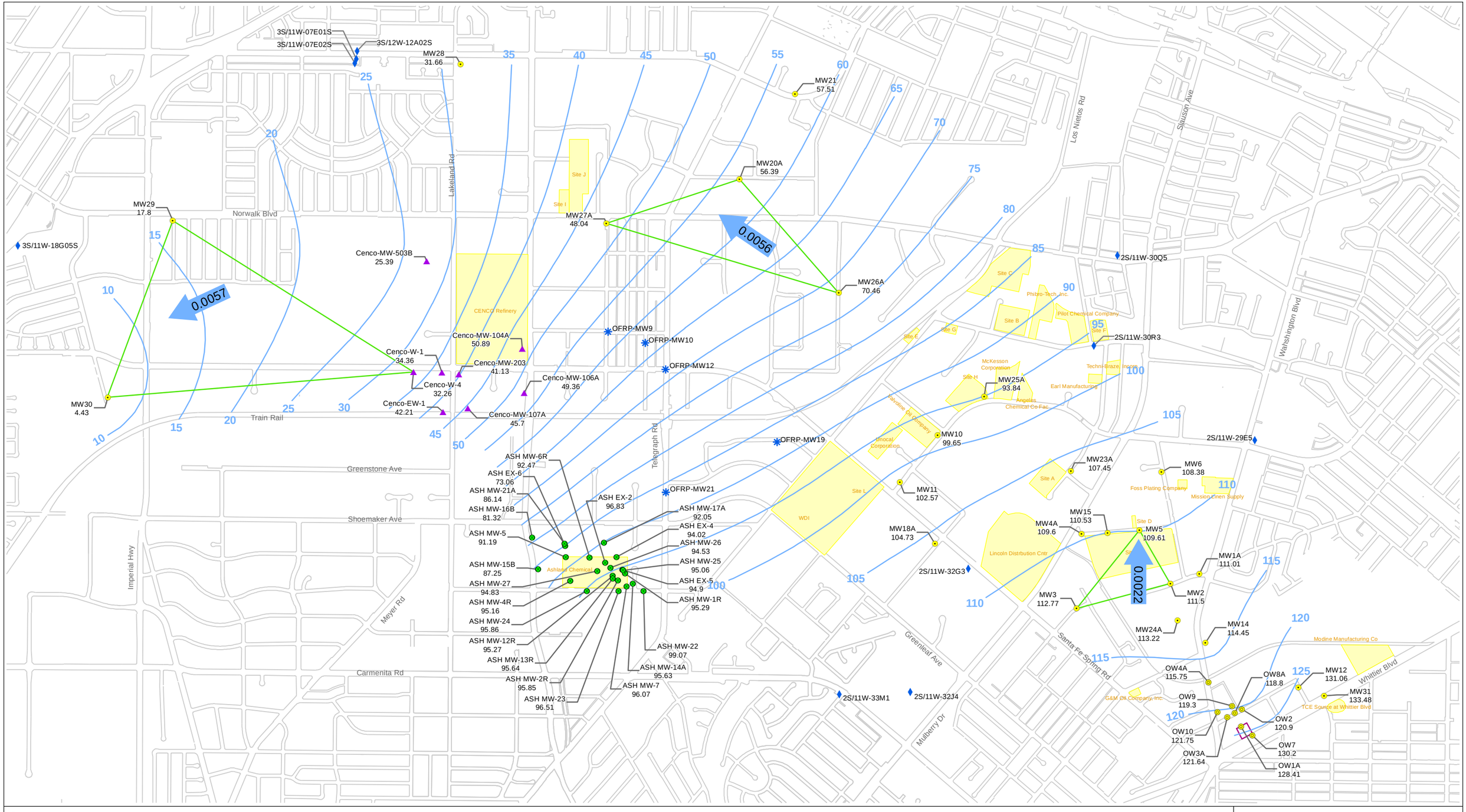
N

0 1000 2000 Feet

Figure 3-4
Water Table Contours, First Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Omega_1Q_2009\Maps\OMEG_1Q2009_WaterTableContours.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Oil Field Reclamation Project(OFRP)
- Production Well
- Water Level Contour 3rd Quarter 2009
- Approximate Boudary of Facilities
- Former Omega Facility

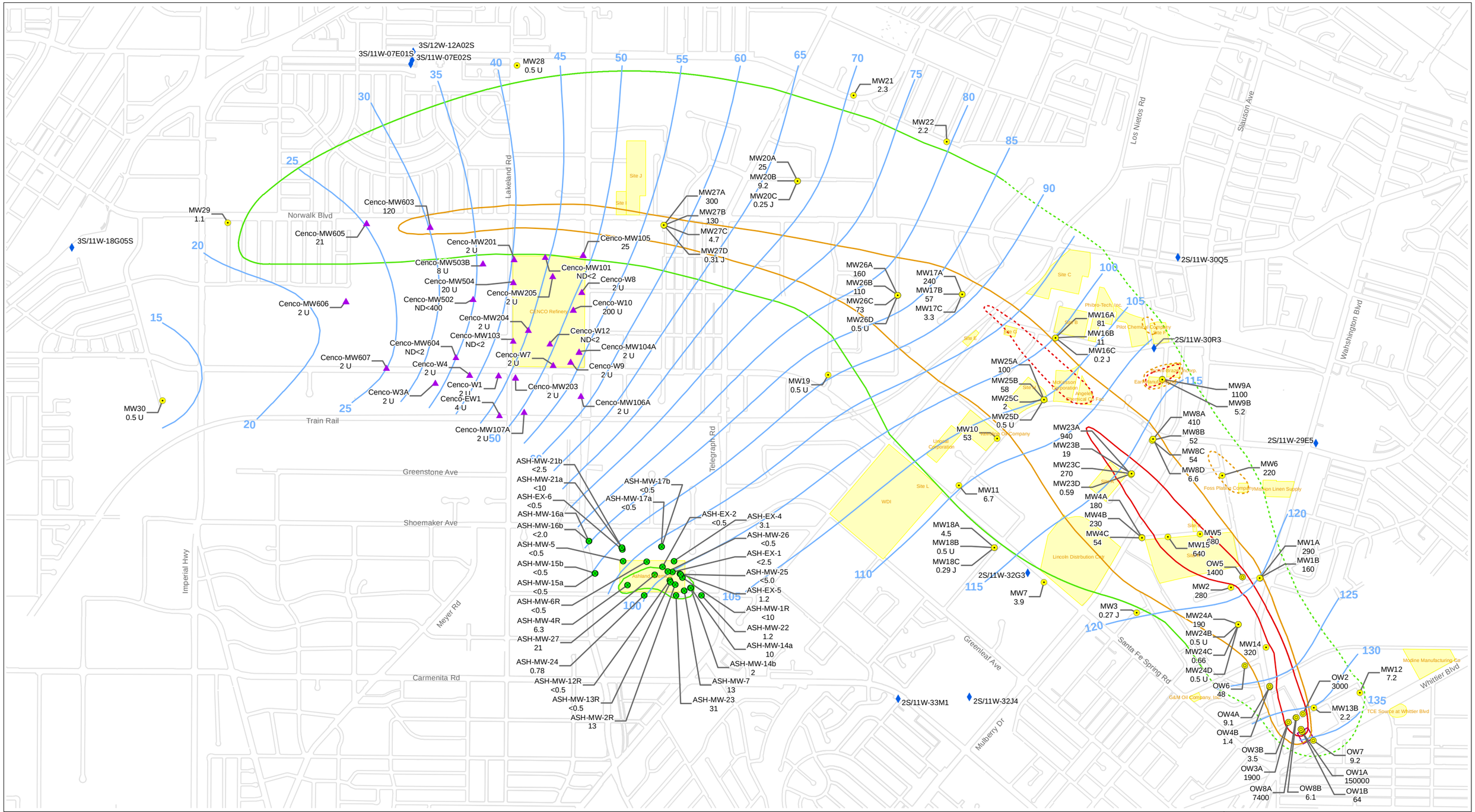
N

0 1000 2000 Feet

Figure 3-5
Water Table Contours, Third Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_3Q2009_WaterTableContours_NO13B.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite PCE Plume Extent

- 500 ug/L (Dashed where approximate)
- 100 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour First Quarter 2008

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

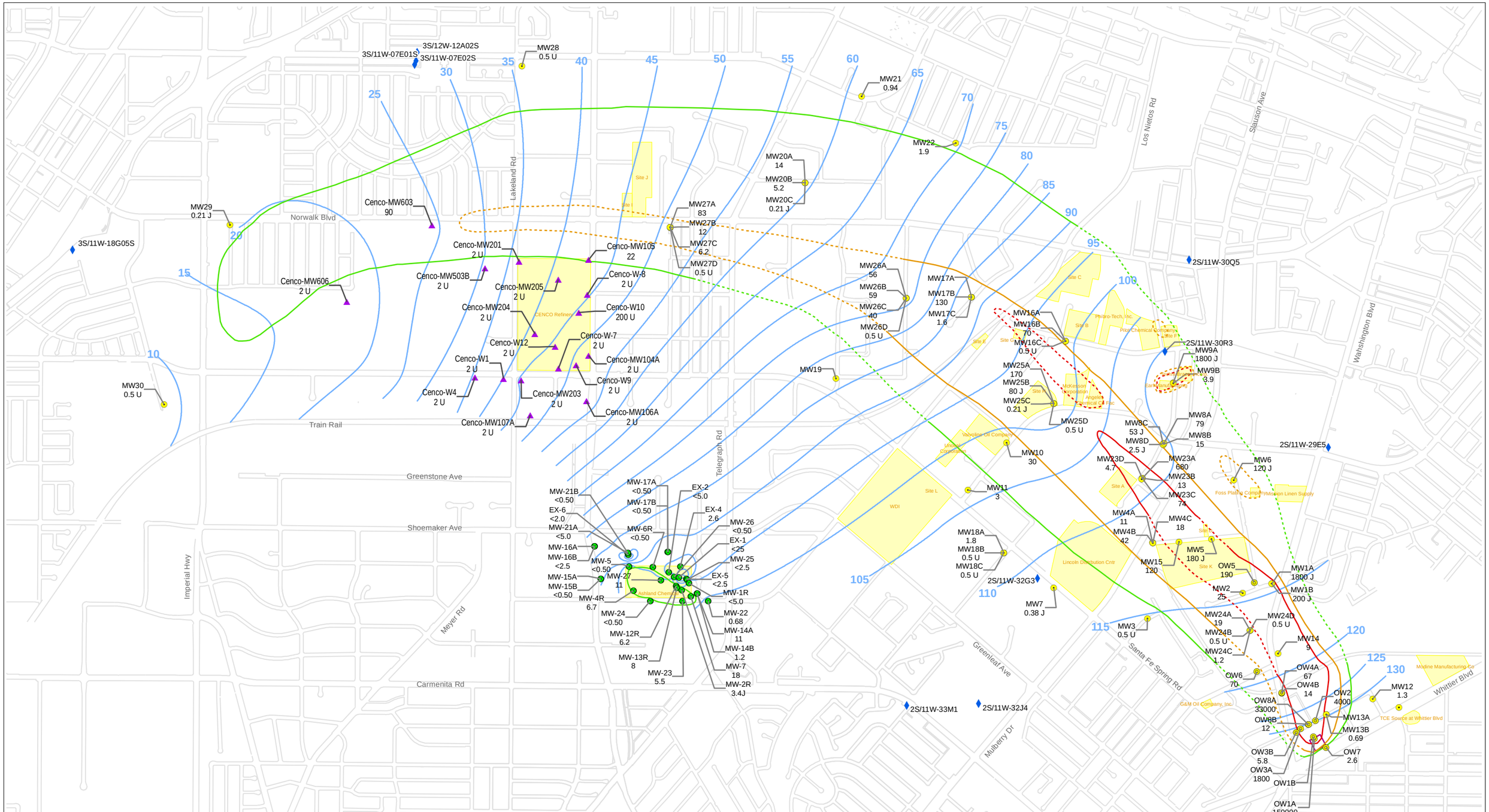
N

0 1000 2000 Feet

Figure 3-6a
Composite PCE Distribution
First Quarter 2008
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2008_PCE.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite PCE Plume Extent

- 500 ug/L (Dashed where approximate)
- 100 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour First Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

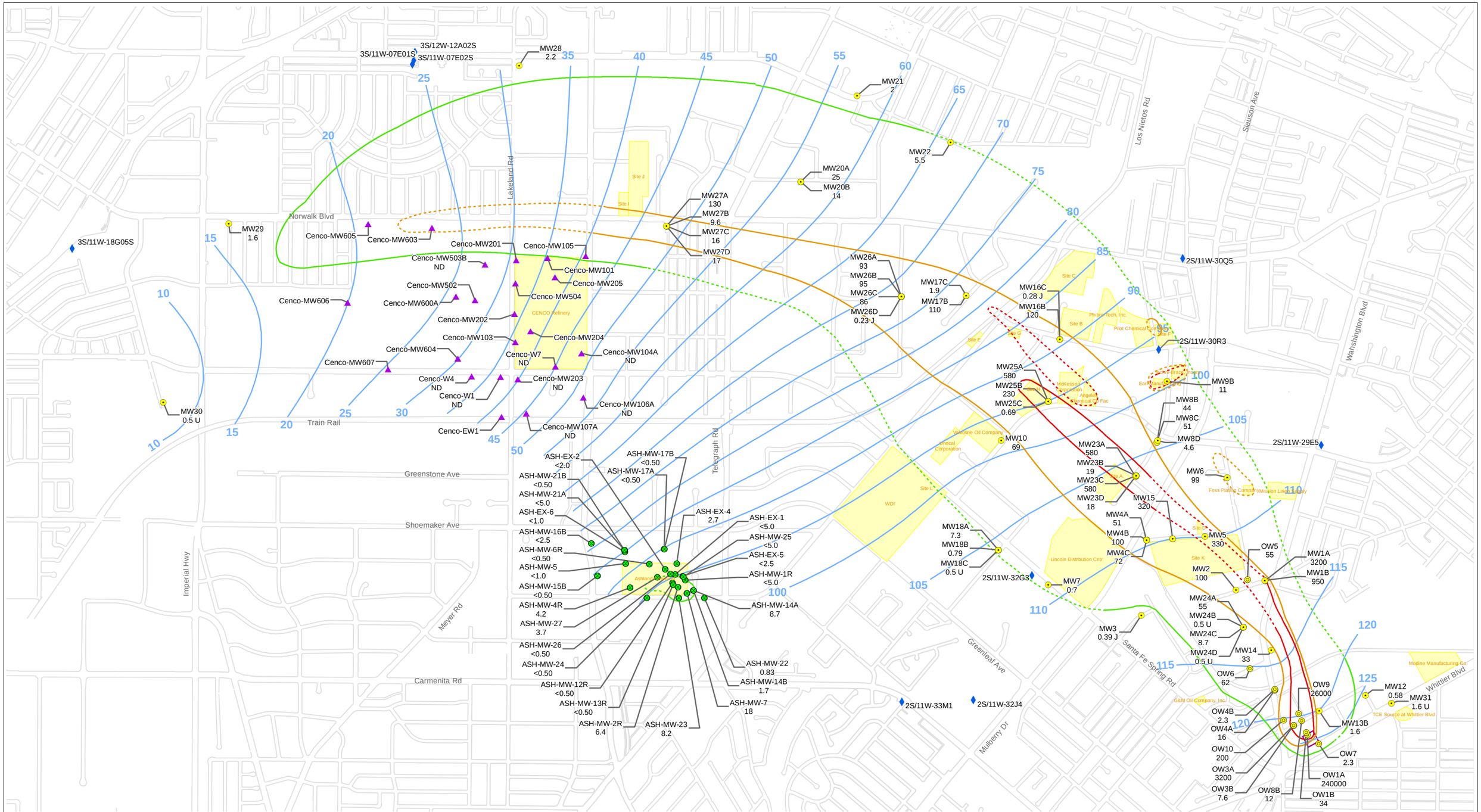
N

0 1000 2000 Feet

Figure 3-6b
Composite PCE Distribution
First Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2009_PCE.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite PCE Plume Extent

- 500 ug/L (Dashed where approximate)
- 100 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour Third Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

N

0 1000 2000 Feet

Figure 3-6c
Composite PCE Distribution Third Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_3Q2009_PCE.mxd

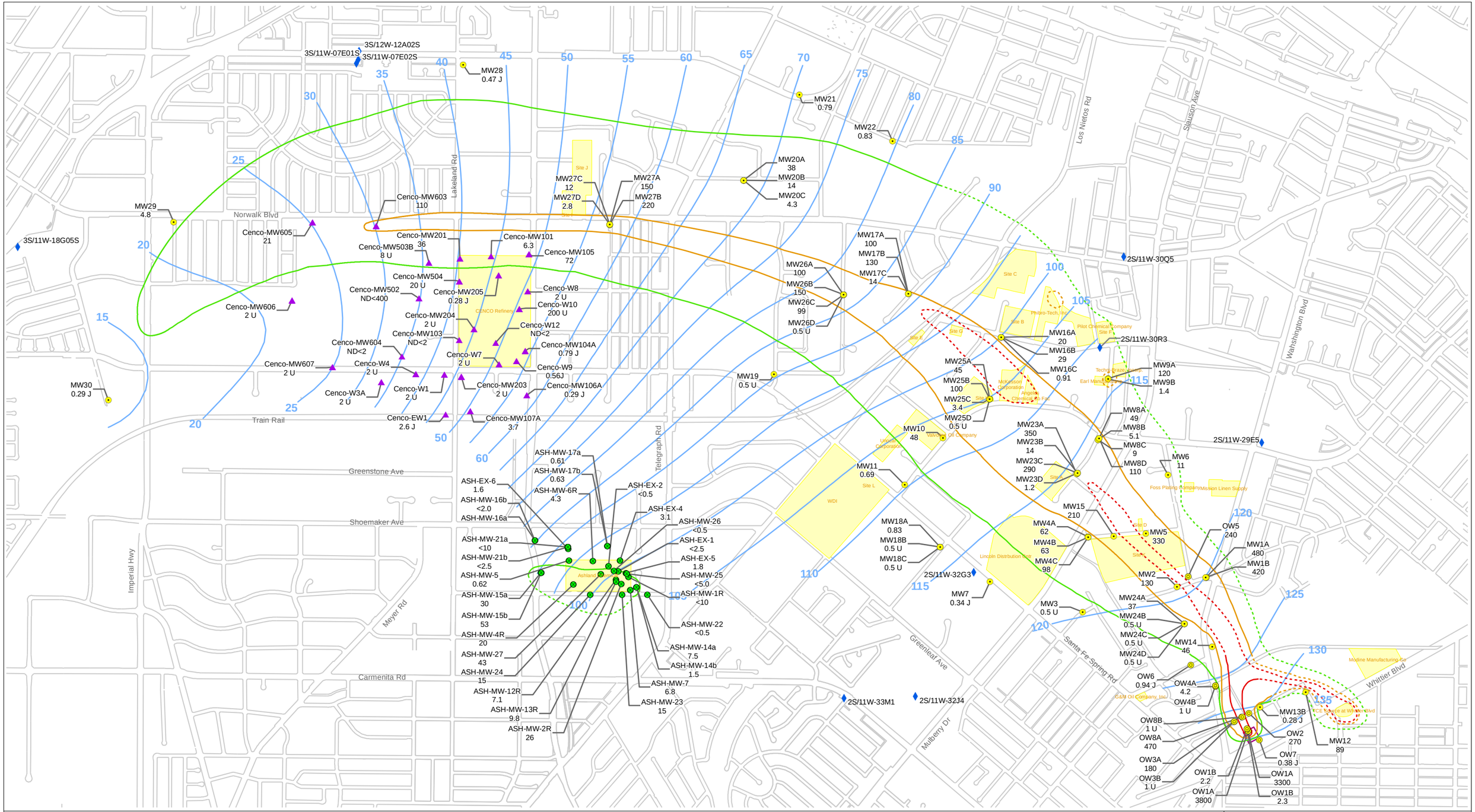
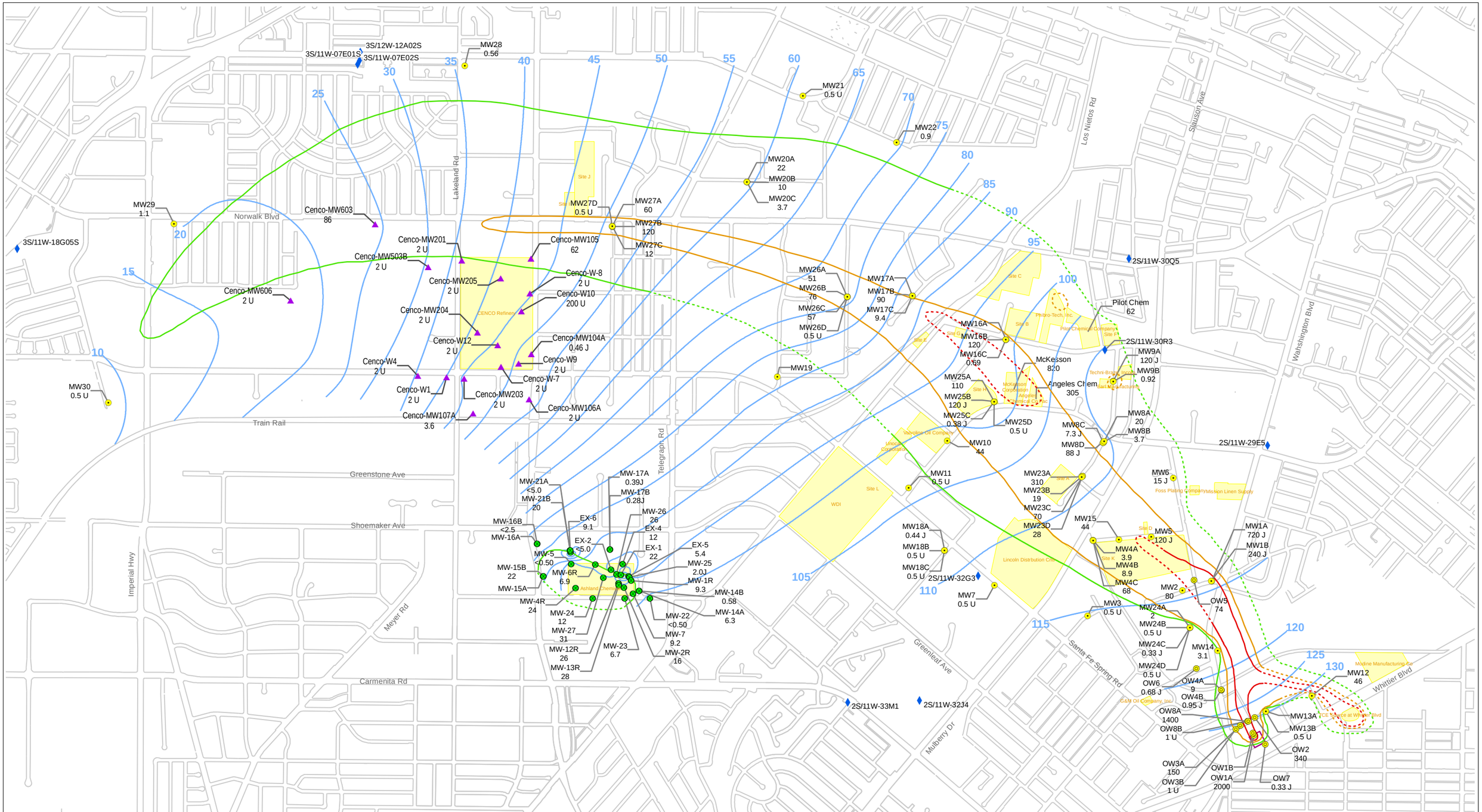


Figure 3-7a
Composite TCE Distribution
First Quarter 2008
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2008_TCE.mxd



Legend

- EPA Monitoring Well (March 2009)
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well (March 2009)
- CENCO Well 1st Quarter, 2009
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite TCE Plume Extent

- 500 ug/L (Dashed where approximate)
- 100 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour 1th Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

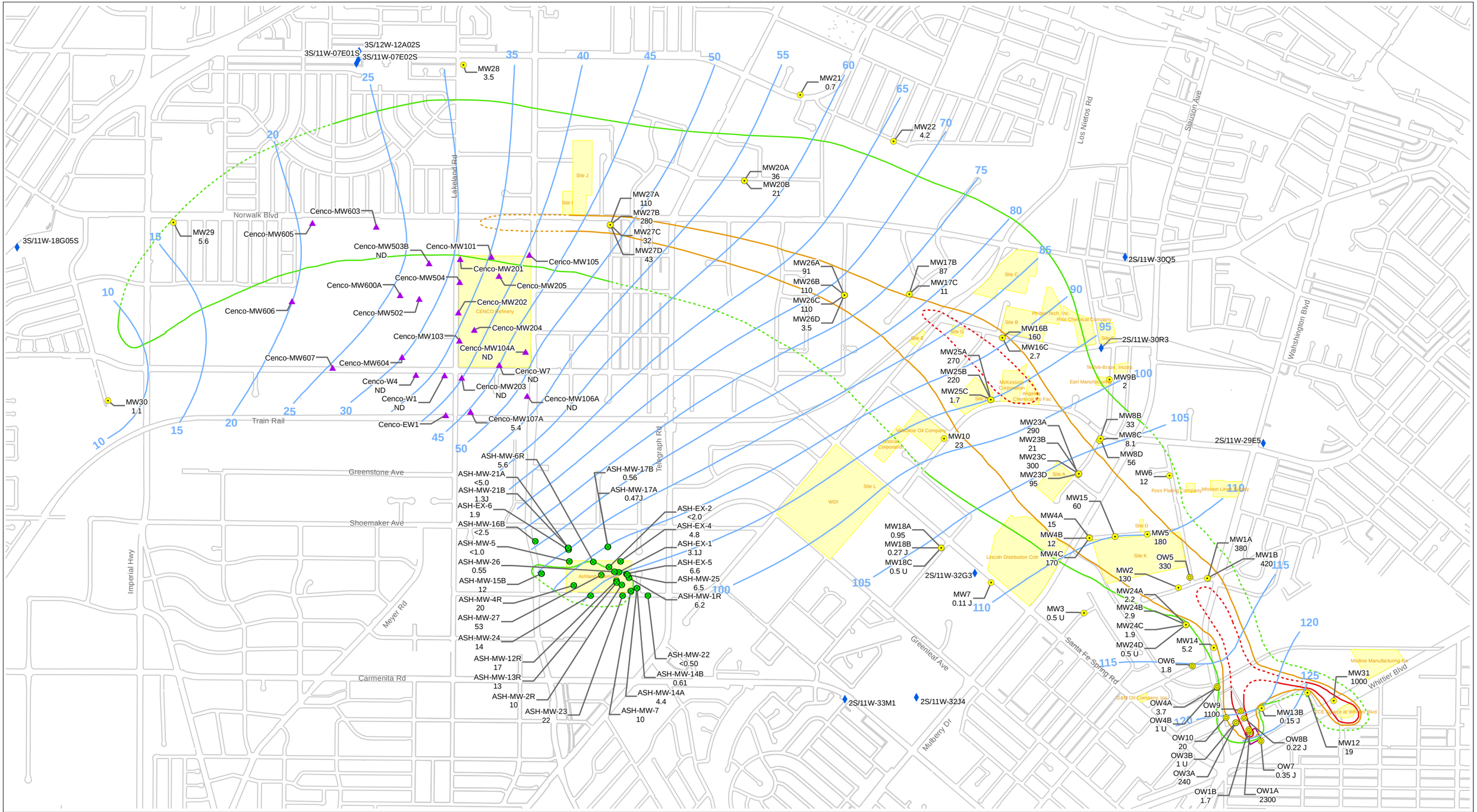
N

0 1000 2000 Feet

Figure 3-7b
Composite TCE Distribution
First Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2009_TCE.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite TCE Plume Extent

- 500 ug/L (Dashed where approximate)
- 100 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour Third Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

N

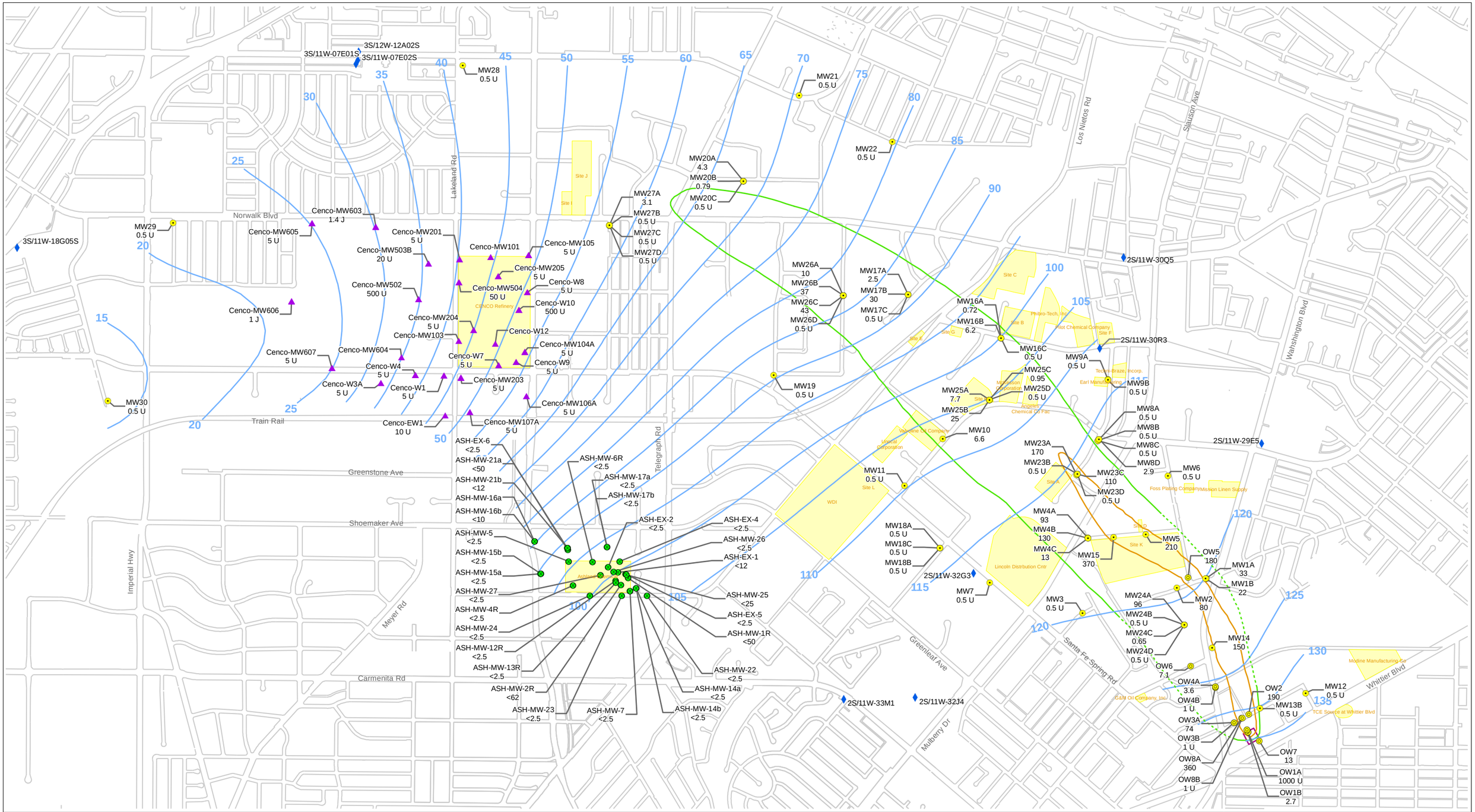
0 1000 2000 Feet

Figure 3-7c
Composite TCE Distribution
Third Quarter 2009

Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_3Q2009_TCE.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite Freon 11 Plume Extent

- 150 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour First Quarter 2008

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

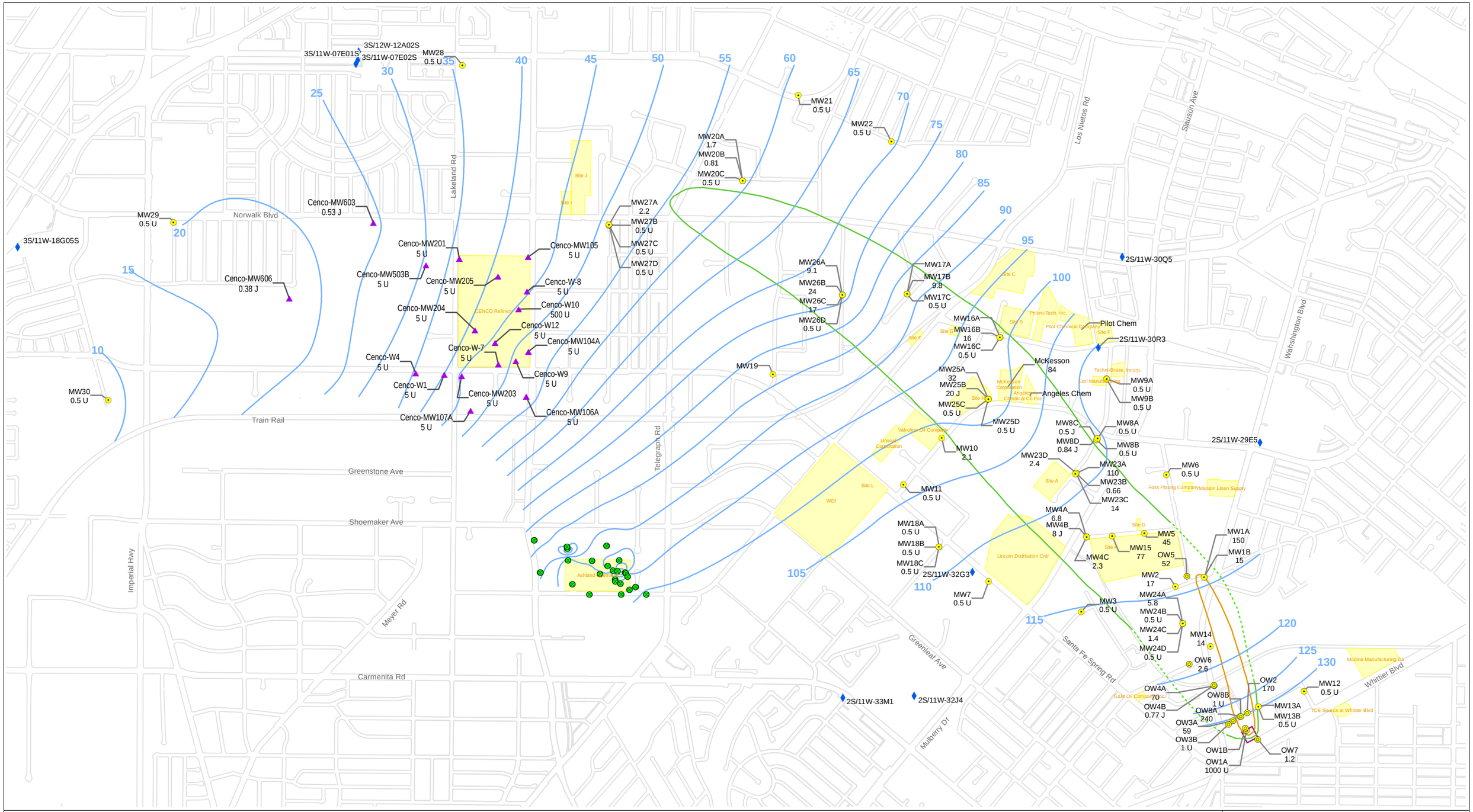
N

0 1000 2000 Feet

Figure 3-8a
Composite Freon11 Distribution First Quarter 2008
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2008_Freon11.mxd



Legend

- EPA Monitoring Well (March 2009)
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well (March 2009)
- CENCO Well (1st Quarter, 2009)
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite Freon 11 Plume Extent 1Q2009

- 150 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour 1th Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

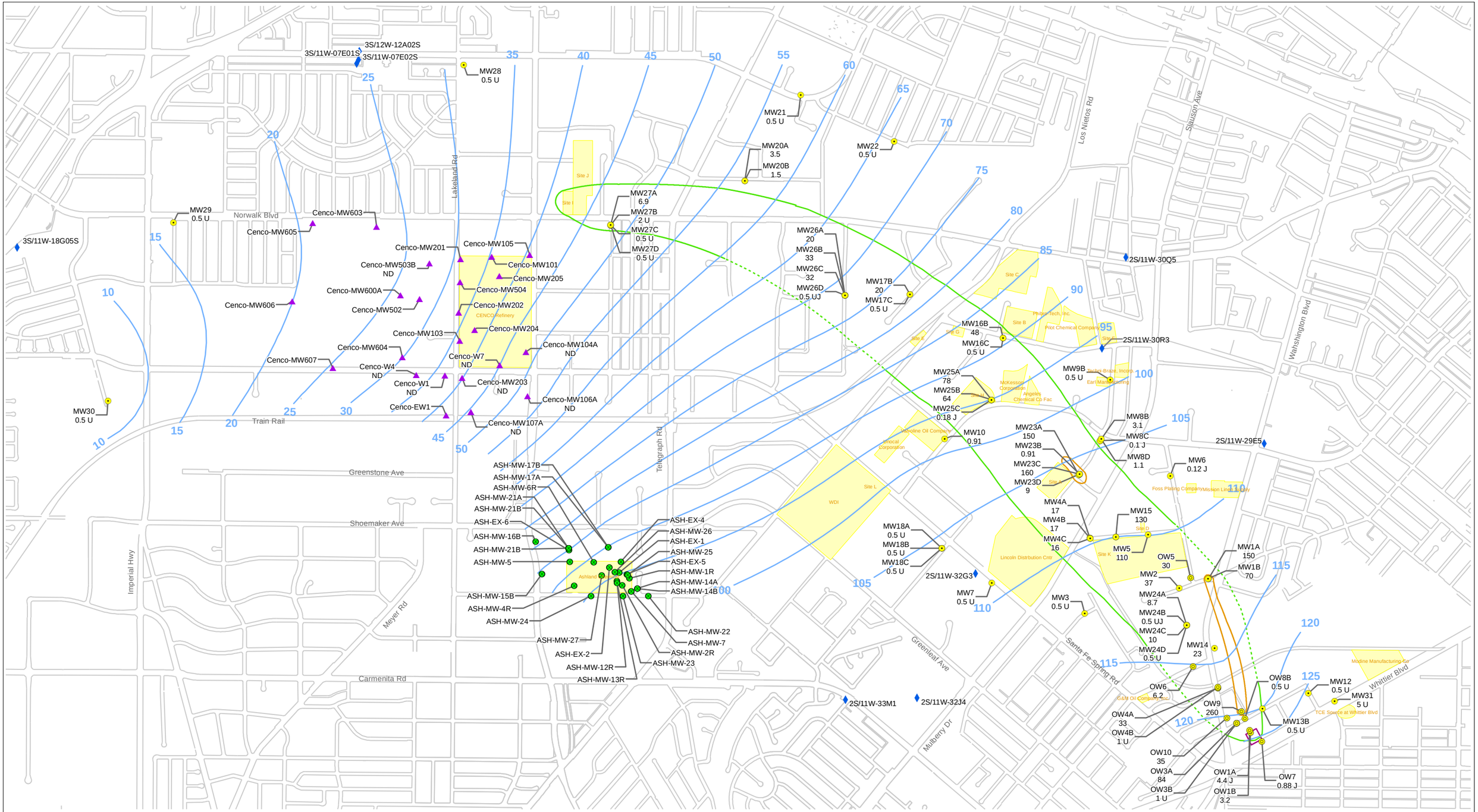
N

0 1000 2000 Feet

Figure 3-8b
Composite Freon11 Distribution First Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2009_Freon11.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite Freon 11 Plume Extent

- 150 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour Third Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

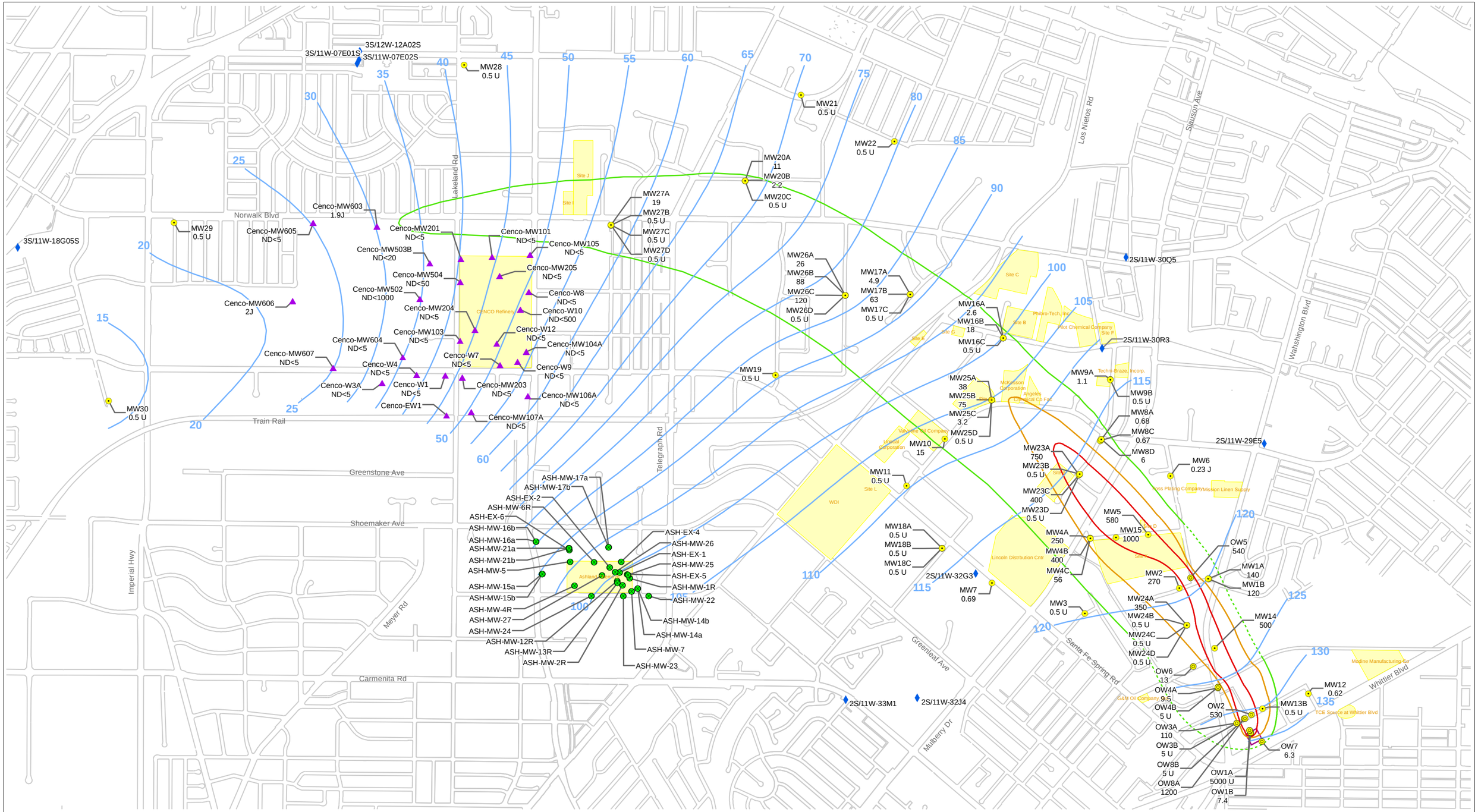
N

0 1000 2000 Feet

Figure 3-8c
Composite Freon11 Distribution
Third Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_3Q2009_Freon11.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite Freon113 Plume Extent

- 500 ug/L (Dashed where approximate)
- 150 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour First Quarter 2008

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

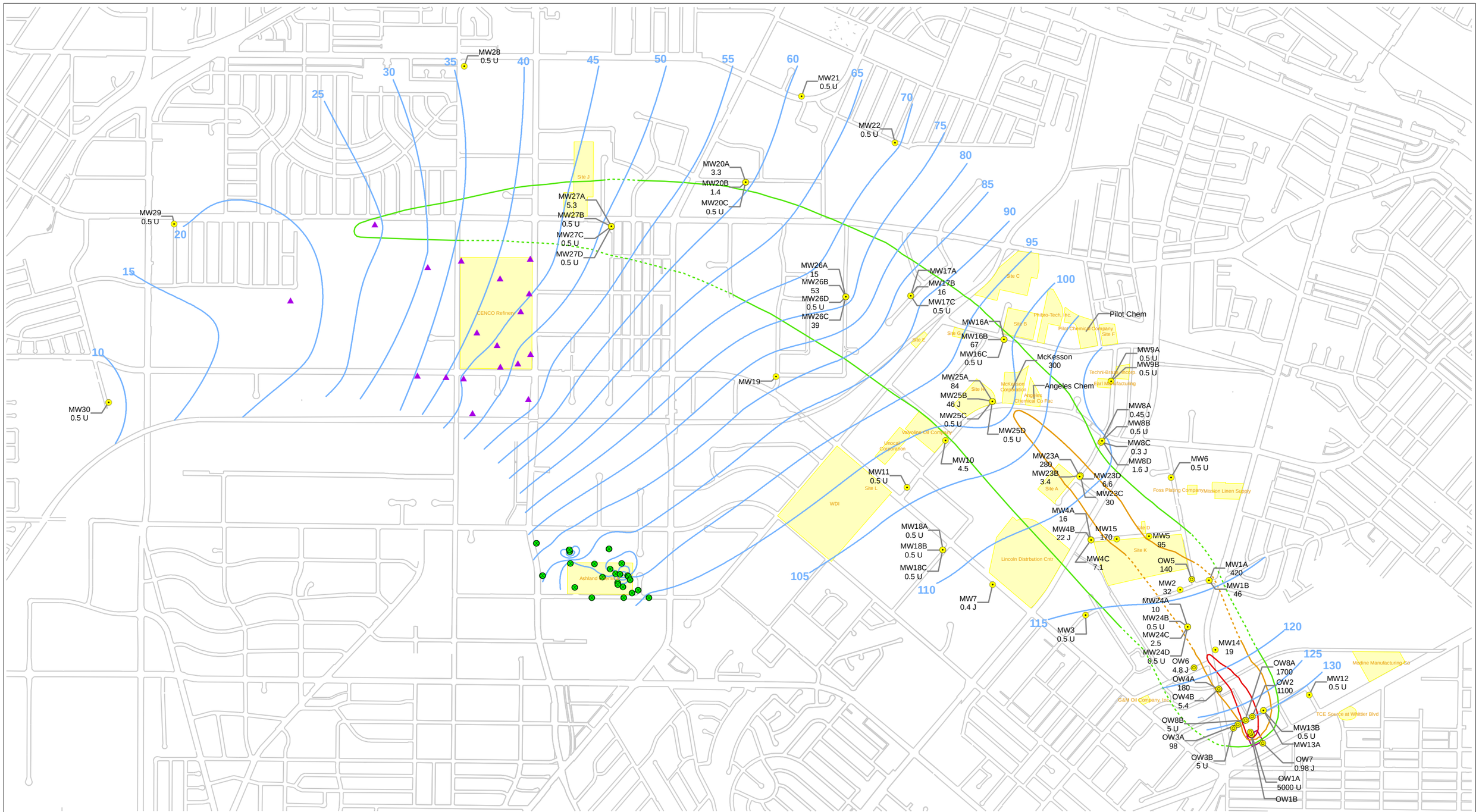
N

0 1000 2000 Feet

Figure 3-9a
Composite Freon113 Distribution First Quarter 2008
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2008_Freon113.mxd



Legend

- EPA Monitoring Well (March 2009)
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well (March 2009)
- CENCO Well 1st Quarter, 2009
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite Freon113 Plume Extent

- 500 ug/L (Dashed where approximate)
- 150 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour First Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

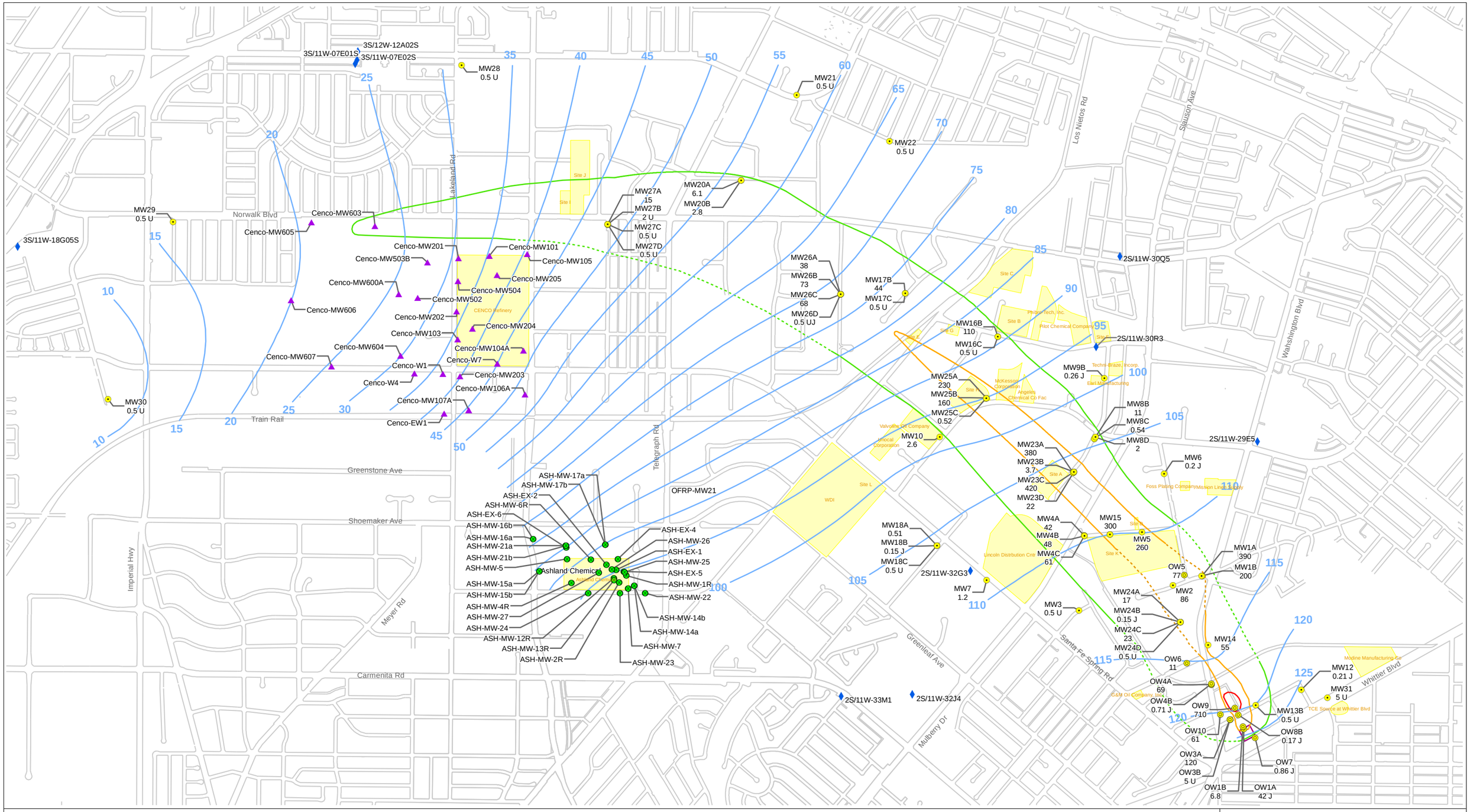
N

0 1000 2000 Feet

Figure 3-9b
Composite Freon113 Distribution
First Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2009_Freon113.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite Freon113 Plume Extent

- 500 ug/L (Dashed where approximate)
- 150 ug/L (Dashed where approximate)
- 5 ug/L (Dashed where approximate)
- Water Level Contour Third Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceding upper level of instrument calibration range.
4) NS - Not Sampled

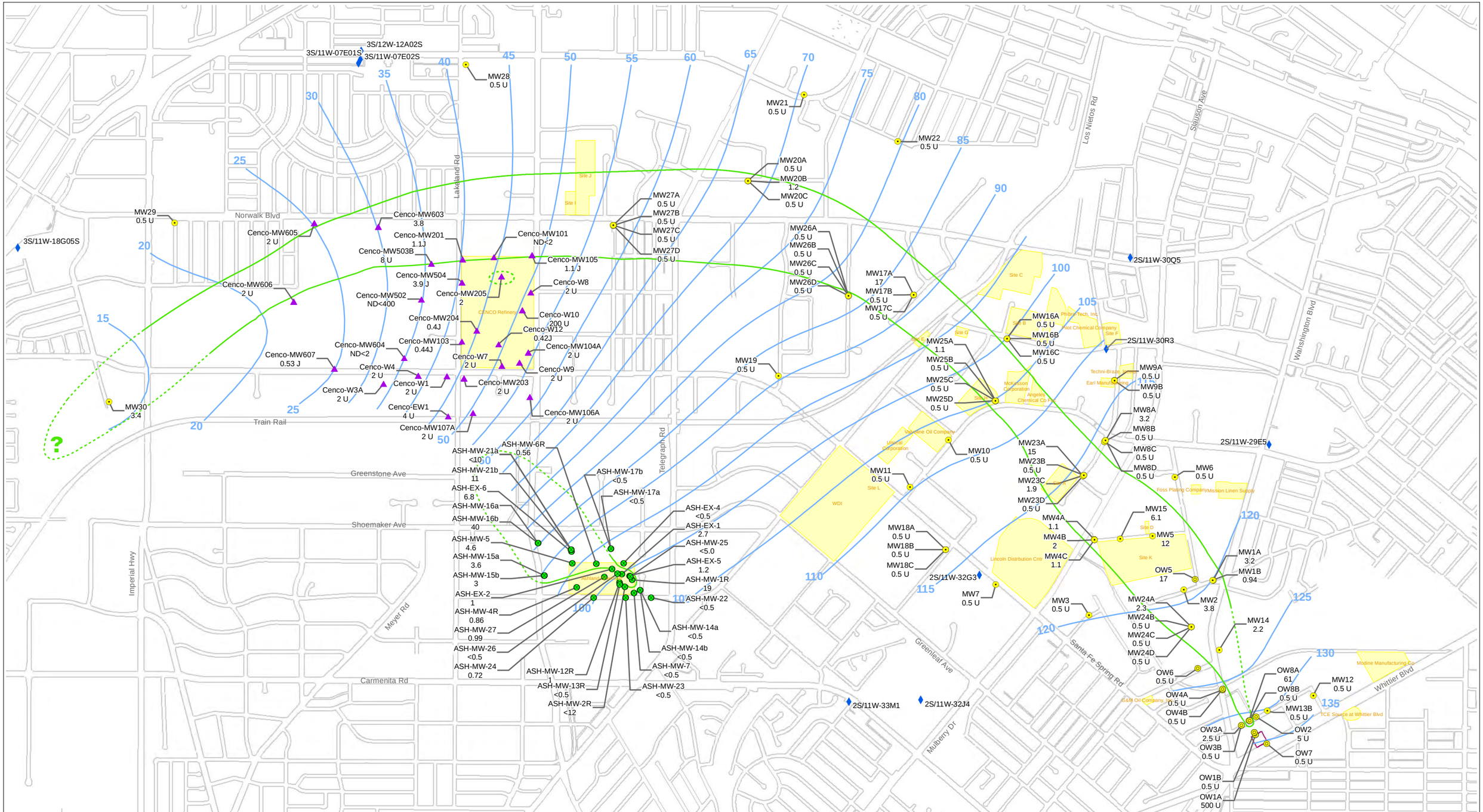
N

0 1000 2000 Feet

Figure 3-9c
Composite Freon113 Distribution Third Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_3Q2009_Freon113.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility
- 1 ug/L (Dashed where approximate)
- Water Level Contour First Quarter 2008

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

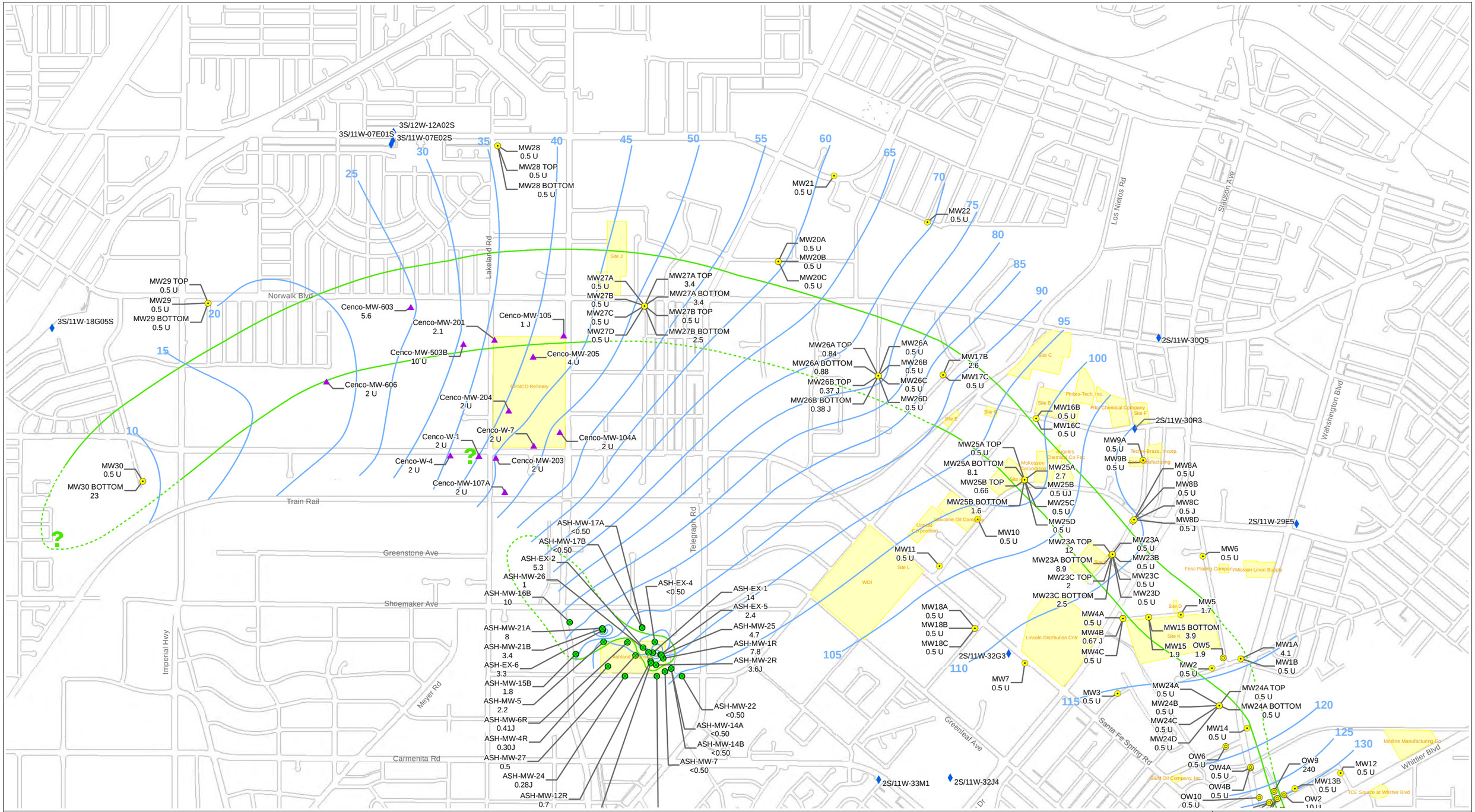
N

0 1000 2000 Feet

Figure 3-10a
Composite 1,2-DCA Distribution
First Quarter 2008
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2008_1,2-DCA.mxd



Legend

- EPA Monitoring Well (March 2009)
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well (March 2009)
- CENCO Well (1st Quarter, 2009)
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility
- 1 ug/L (Dashed where approximate)
- Water Level Contour First Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceding upper level of instrument calibration range.
4) NS - Not Sampled

N

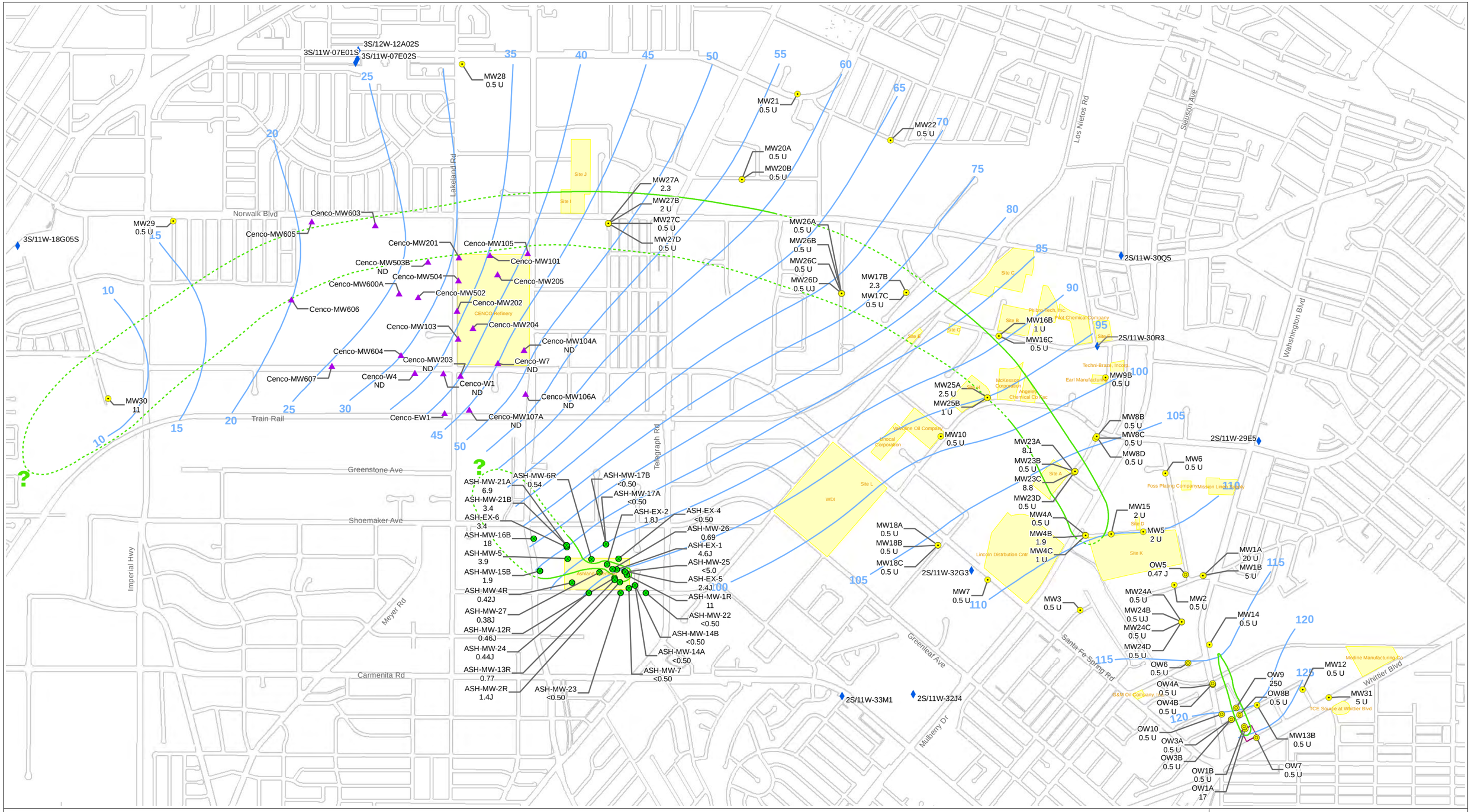
0 1000 2000 Feet

Figure 3-10b
Composite 1,2-DCA Distribution First Quarter 2009

Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2009_1,2-DCA.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility
- 1 ug/L (Dashed where approximate)
- Water Level Contour Third Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

N

0 1000 2000 Feet

Figure 3-10c
Composite 1,2-DCA Distribution
Third Quarter 2009

Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_3Q2009_1,2-DCA.mxd

Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite1,4 Dioxane Plume Extent

- 100 ug/L (Dashed where approximate)
- 3 ug/L (Dashed where approximate)
- Water Level Contour First Quarter 2008

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

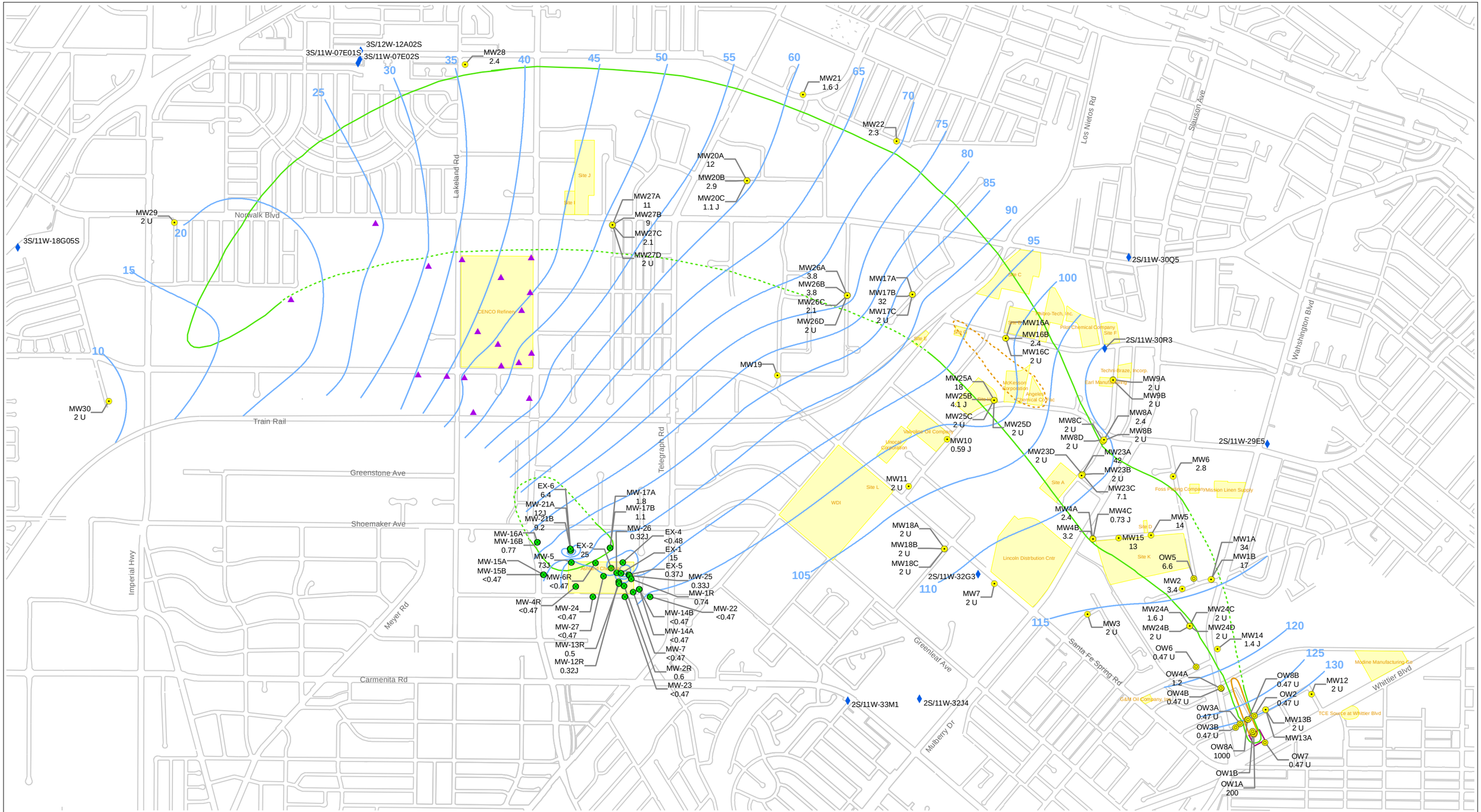
N

0 1000 2000 Feet

Figure 3-11a
Composite 1,4 Dioxane Distribution
First Quarter 2008
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2008_1,4 Dioxane.mxd



Legend

- EPA Monitoring Well (March 2009)
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well (March 2009)
- CENCO Well 1st Quarter, 2009
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite1,4 Dioxane Plume Extent 1Q2009

- 100 ug/L (Dashed where approximate)
- 3 ug/L (Dashed where approximate)
- Water Level Contour First Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

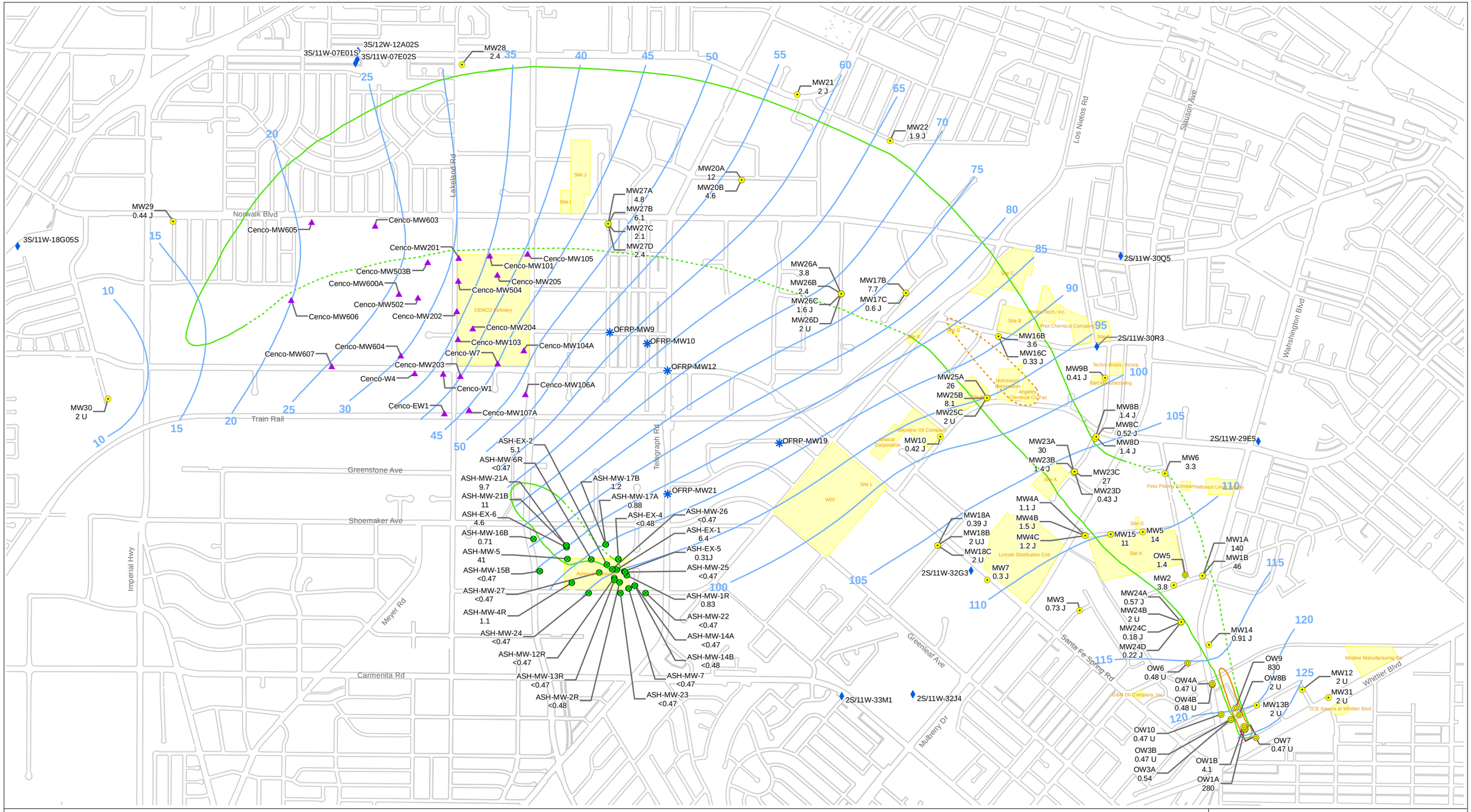
N

0 1000 2000 Feet

Figure 3-11b
Composite 1,4 Dioxane Distribution First Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_1Q2009_1,4 Dioxane.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

Composite1,4 Dioxane Plume Extent

- 100 ug/L (Dashed where approximate)
- 3 ug/L (Dashed where approximate)
- Water Level Contour Third Quarter 2009

Notes:
1) J - Estimated Value upper level of instrument calibration range.
2) U - Non-Detect
3) E - Estimated value as the concentration exceeding upper level of instrument calibration range.
4) NS - Not Sampled

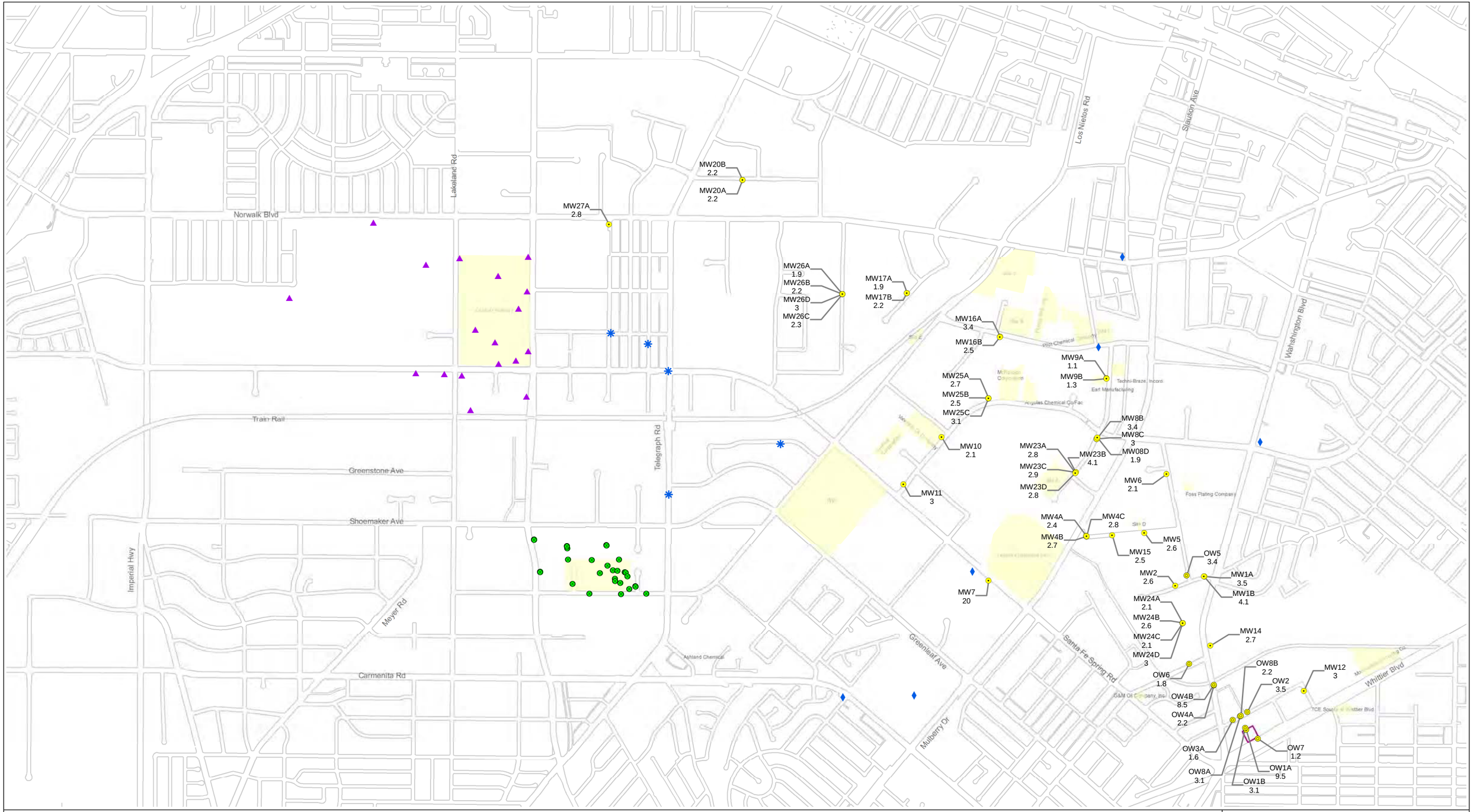
N

0 1000 2000 Feet

Figure 3-11c
Composite 1,4 Dioxane Distribution Third Quarter 2009
Omega Chemical Superfund Site

CH2MHILL

Path: C:\Users\mibrown\Desktop\Omega\2009-CH2Mhill\Omega\OMEGA_2010_Annual_Report\Maps\OMEG_3Q2009_1,4 Dioxane.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well
- CENCO Well
- Ashland Chemical Well
- Oil Field Reclamation Project(OFRP)
- Production Well
- Approximate Boudary of Facilities
- Former Omega Facility

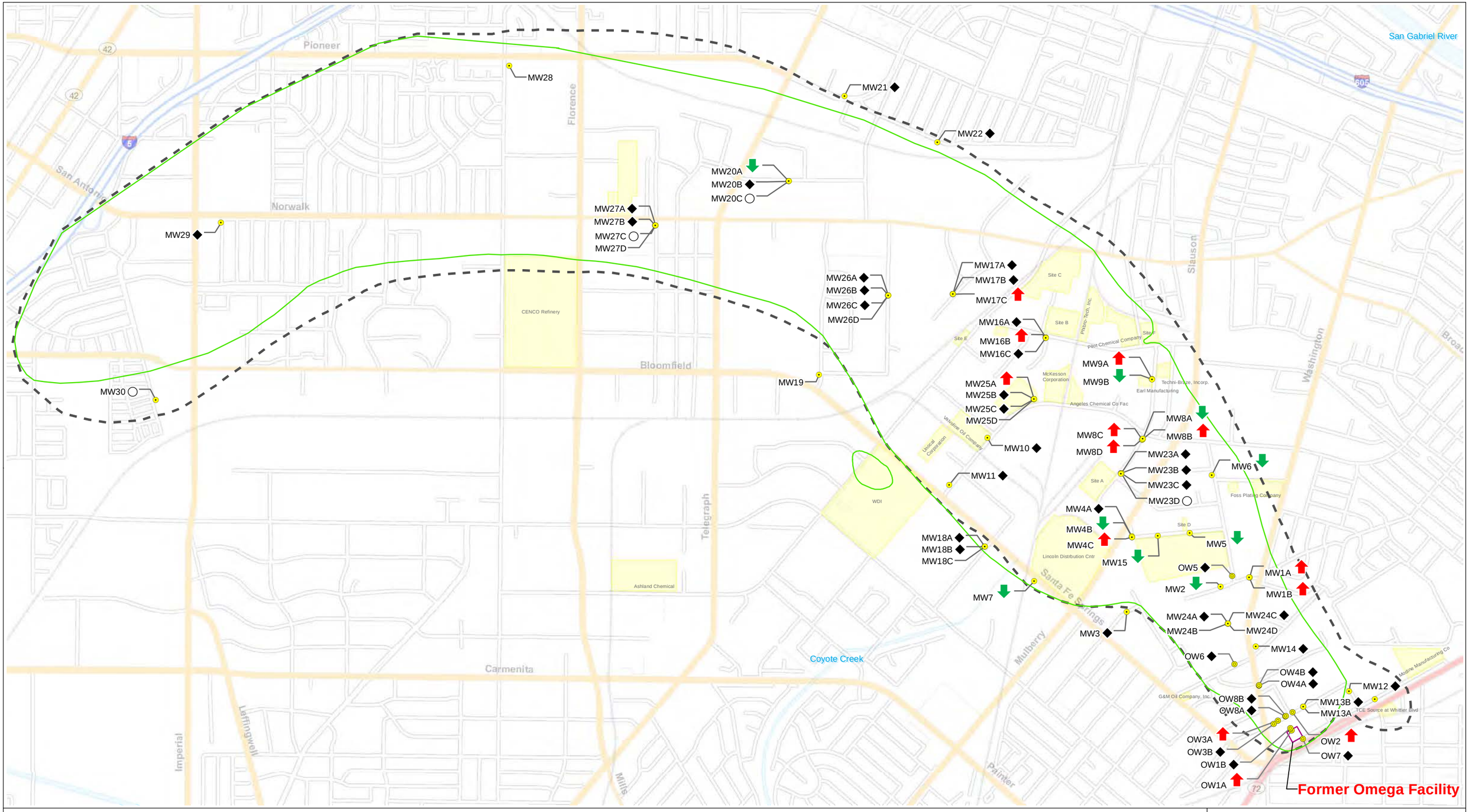
N

0 1000 2000 Feet

Figure 3-12
Freon 113 to Freon 11 Ratios
Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Tredn\Freon113_11.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well

Trend

- Increasing
- Decreasing
- No Trend
- Not Sufficient Data

- OU2 Outline
- Approximate Boundary of Facilities
- Former Omega Facility

PCE Contour Line

- 5 ug/L (March 2009)

N

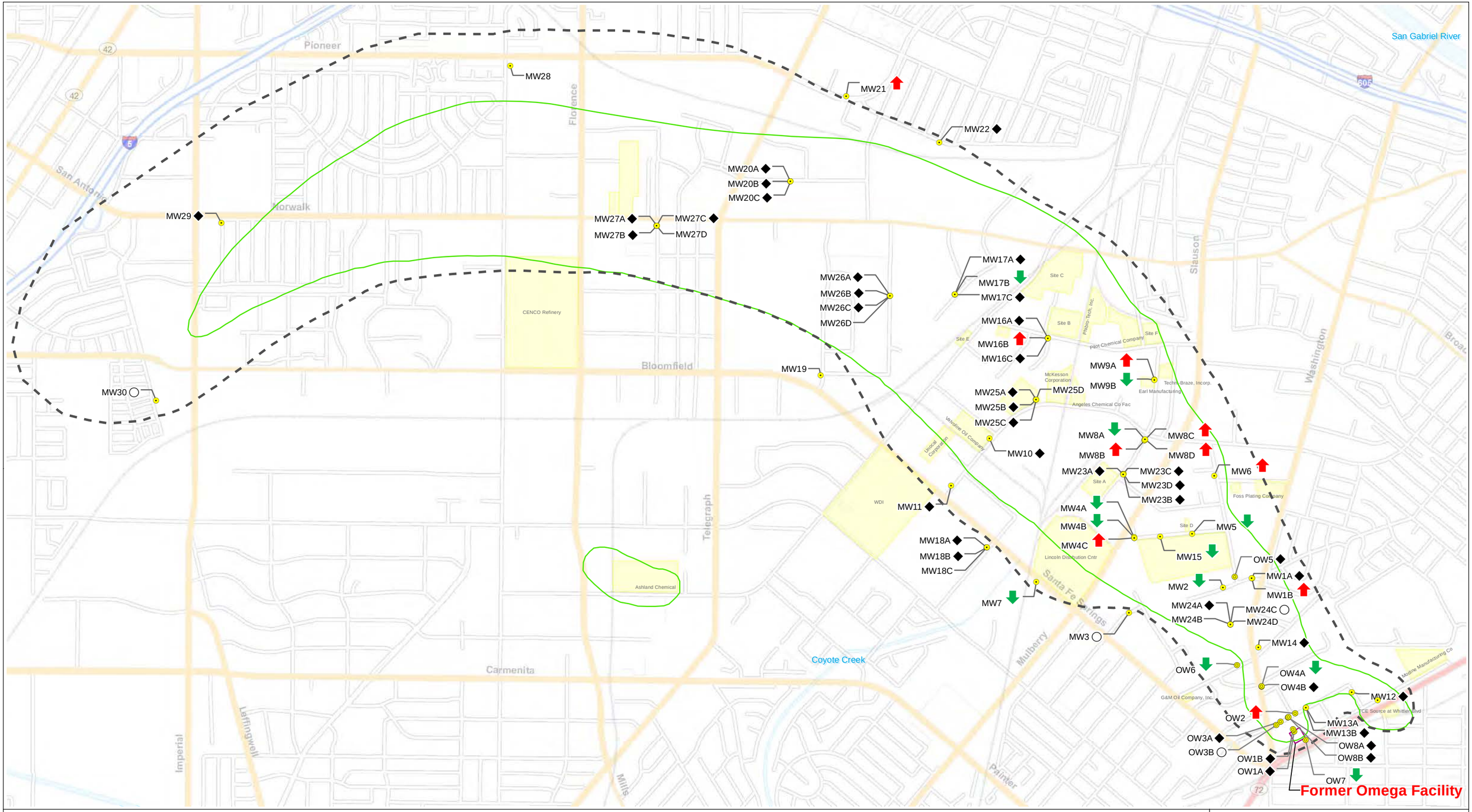
0 1000 2000 Feet

Figure 13
PCE Temporal Trend Distribution

Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Omega_MTRX_Trend\Mxd\PCE_Omega_MTRX_Trend.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well

Trend

- Increasing
- Decreasing
- No Trend
- Not Sufficient Data

- OU2 Outline
- Approximate Boundary of Facilities
- Former Omega Facility

TCE Contour Line

- 5 ug/L (March 2009)

N

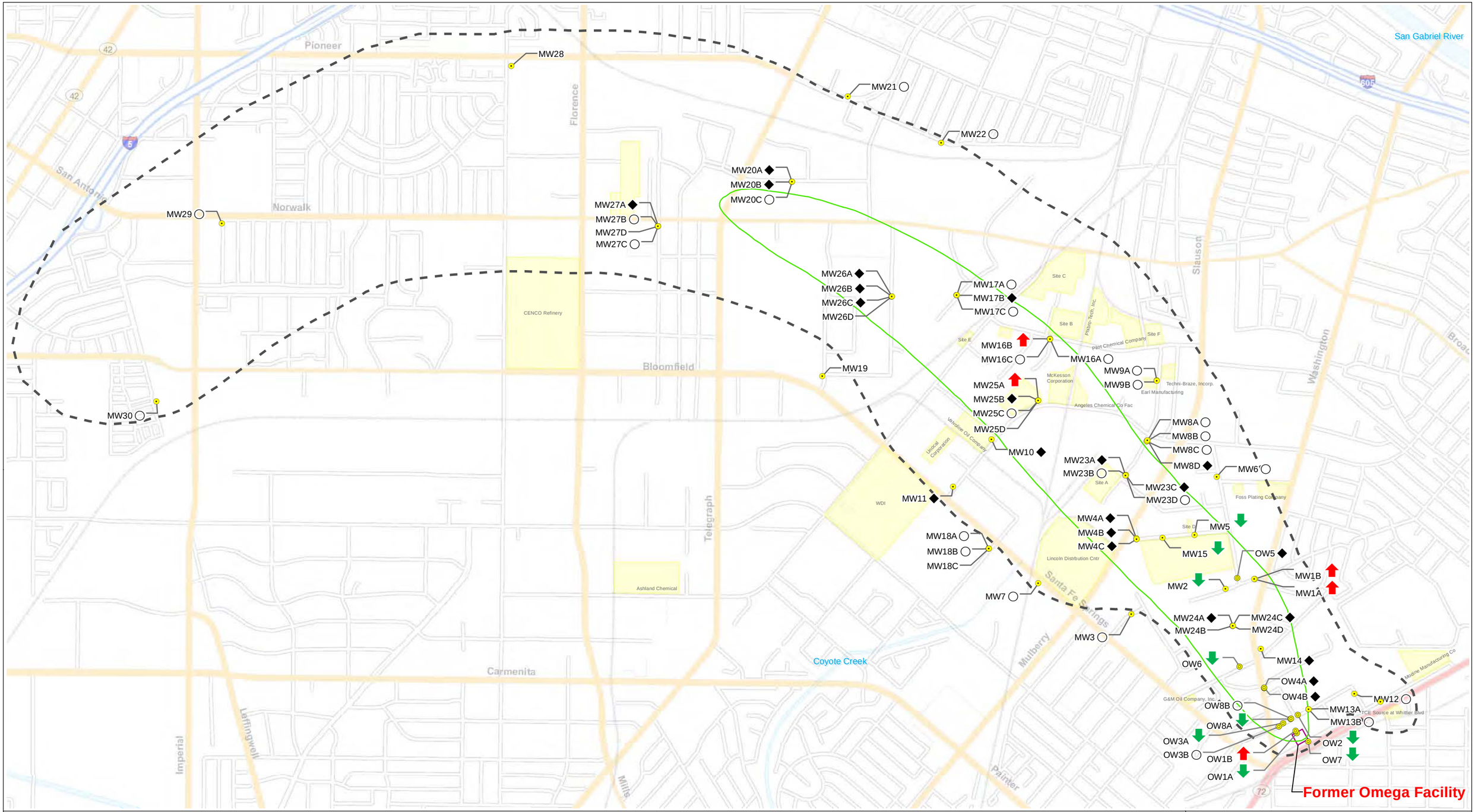
0 1000 2000 Feet

Figure 14
TCE Temporal Trend Distribution

Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Omega_MTRX_Trend\Mxd\TCE_Omega_MTRX_Trend.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well

Trend

- Increasing
- Decreasing
- No Trend
- Not Sufficient Data

- OU2 Outline
- Approximate Boundary of Facilities
- Former Omega Facility

Freon 11 Contour Line

- 5 ug/L (March 2009)

N

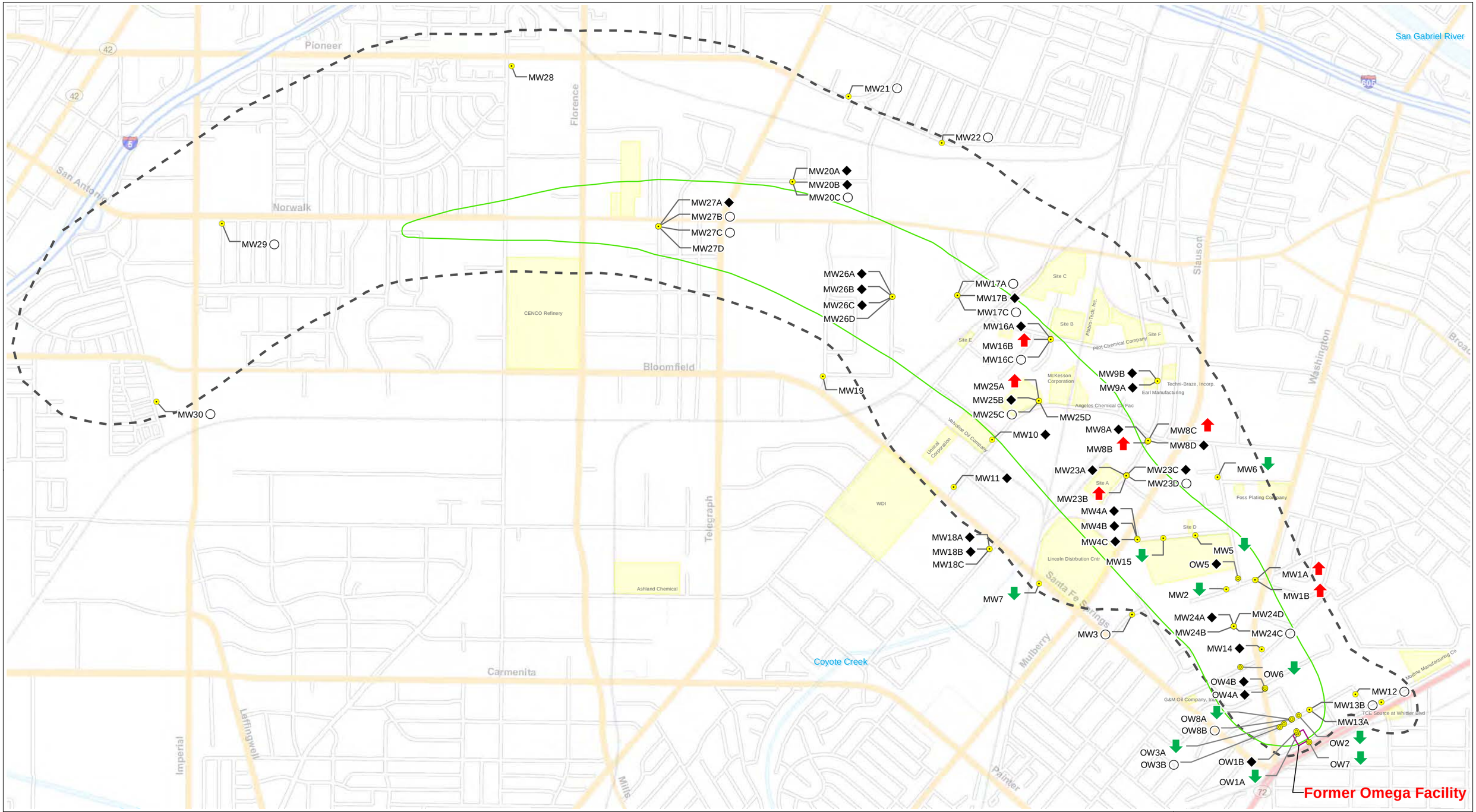
0 1000 2000 Feet

Figure 15
Freon 11 Temporal Trend Distribution

Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Omega_MTRX_Trend\Mxd\F11_Omega_MTRX_Trend.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well

Trend

- Increasing
- Decreasing
- No Trend
- Not Sufficient Data

- OU2 Outline
- Approximate Boundary of Facilities
- Former Omega Facility

Freon 113 Contour Line

- 5 ug/L (March 2009)

N

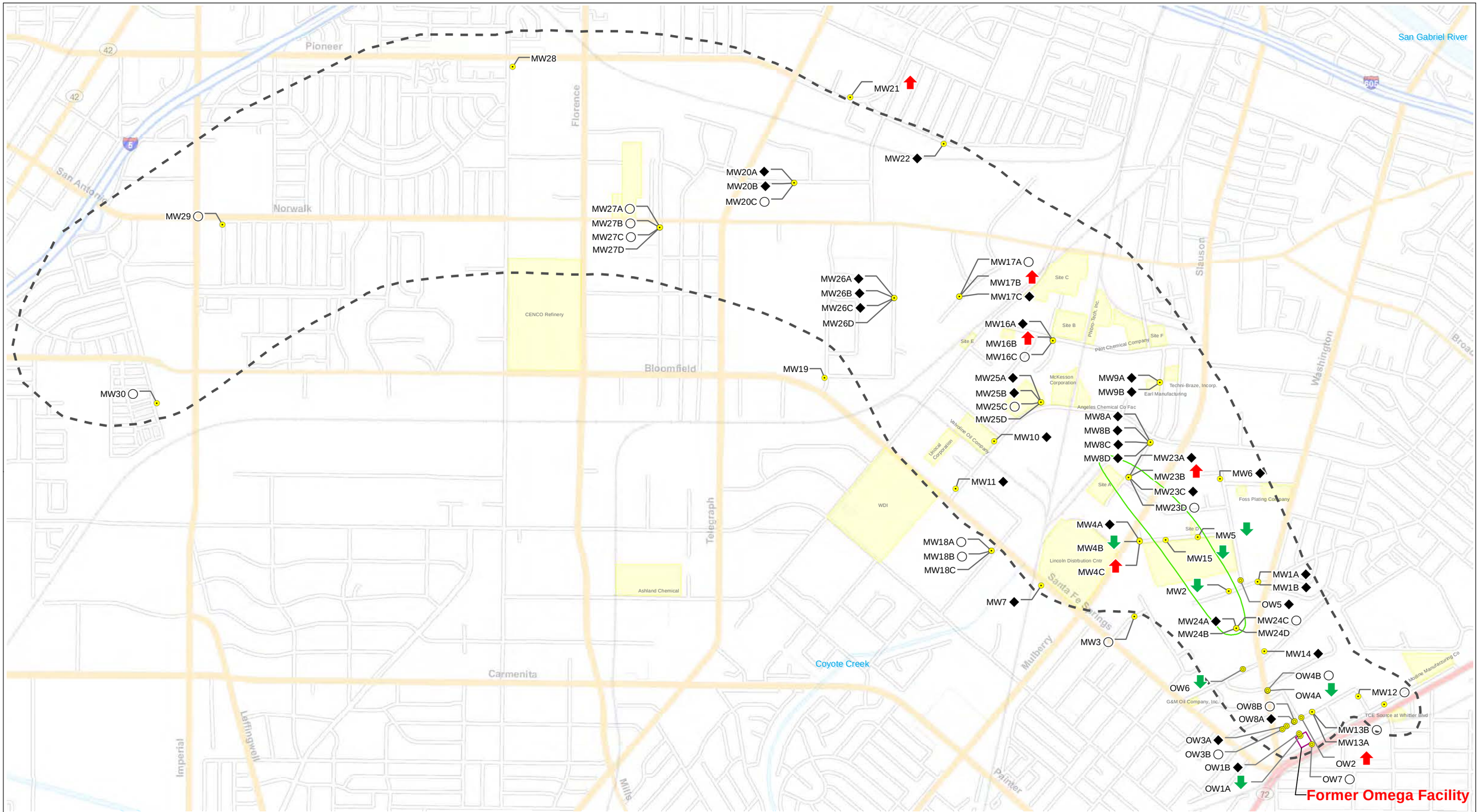
0 1000 2000 Feet

Figure 16
Freon 113 Temporal Trend Distribution

Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Omega_MTRX_Trend\Mxd\F113_Omega_MTRX_Trend.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well

Trend

- Increasing
- Decreasing
- No Trend
- Not Sufficient Data

- OU2 Outline
- Approximate Boundary of Facilities
- Former Omega Facility

TCLME Contour Line

- 80 ug/L (March 2009)

N

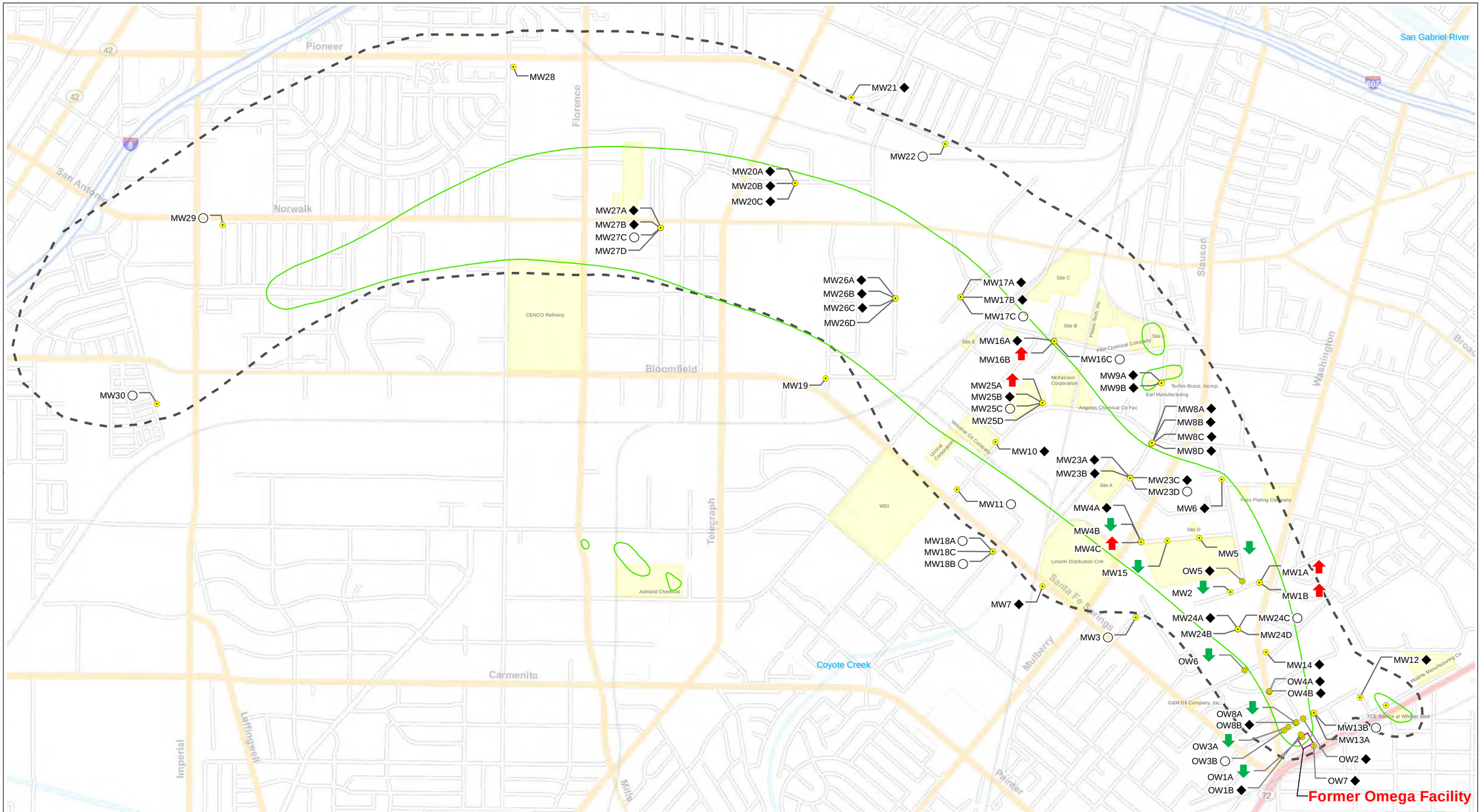
0 1000 2000 Feet

Figure 17
Trichloromethylene Temporal Trend Distribution

Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Omega_MTRX_Trend\Mxd\TCLME_Omega_MTRX_Trend.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well

Trend

- Increasing
- Decreasing
- No Trend
- Not Sufficient Data

- OU2 Outline
- Approximate Boundary of Facilities
- Former Omega Facility

1,1 DCE Contour Line

- 6 ug/L (March 2009)

N

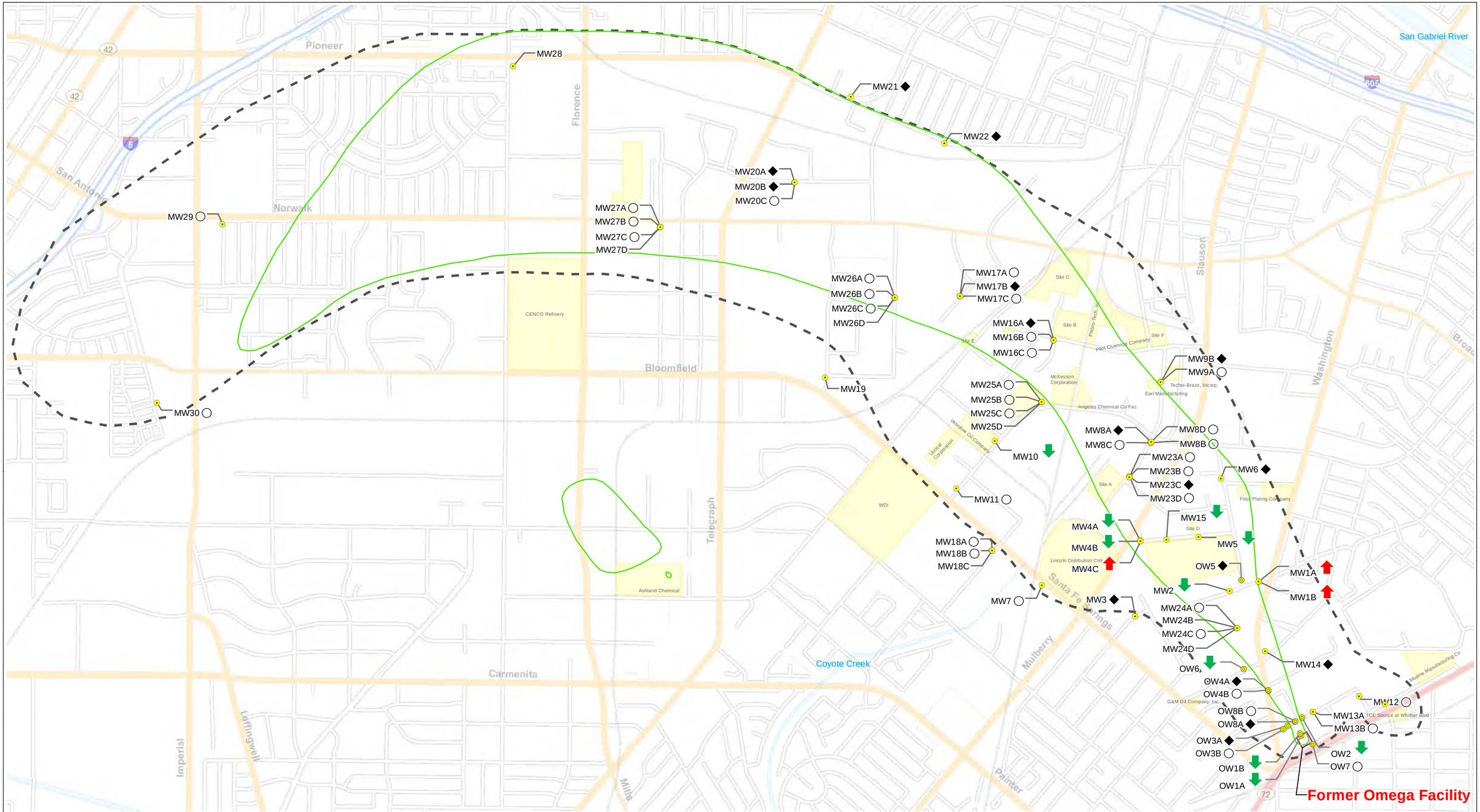
0 1000 2000 Feet

Figure 18
1,1 DCE Temporal Trend Distribution

Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Omega_MTRX_Trend\Mxd\11DCE_Omega_MTRX_Trend.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well

Trend

- Increasing
- Decreasing
- No Trend
- Not Sufficient Data

- OU2 Outline
- Approximate Boundary of Facilities
- Former Omega Facility

1,4 Dioxane Contour Line

- 3 ug/L (March 2009)

N

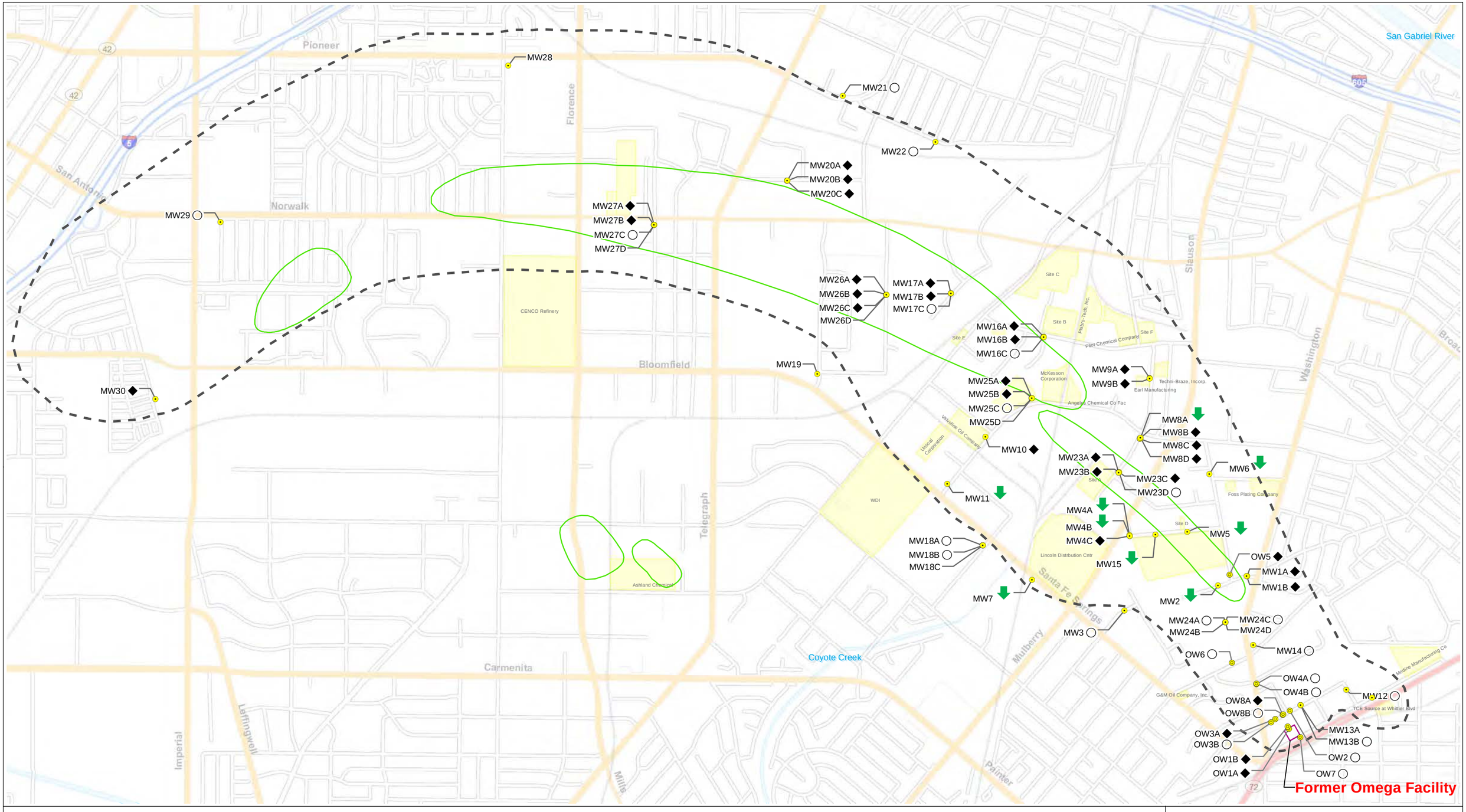
0 1000 2000 Feet

Figure 19
1,4 DioxaneTemporal Trend Distribution

Omega Chemical Superfund Site

CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Omega_MTRX_Trend\Mxd\14Dioxane_Omega_MTRX_Trend.mxd



Legend

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group(OPOG) Monitoring Well

Trend

- Increasing
- Decreasing
- No Trend
- Not Sufficient Data

- OU2 Outline
- Approximate Boundary of Facilities
- Former Omega Facility

cis-1,2 DCE Contour Line

- 6 ug/L (March 2009)

N

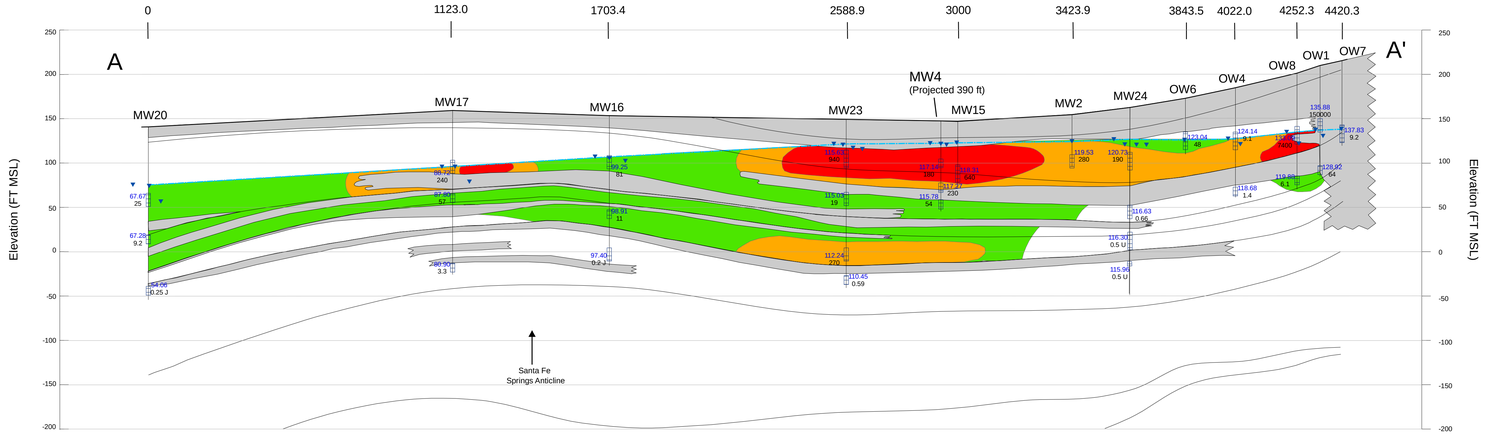
0 1000 2000 Feet

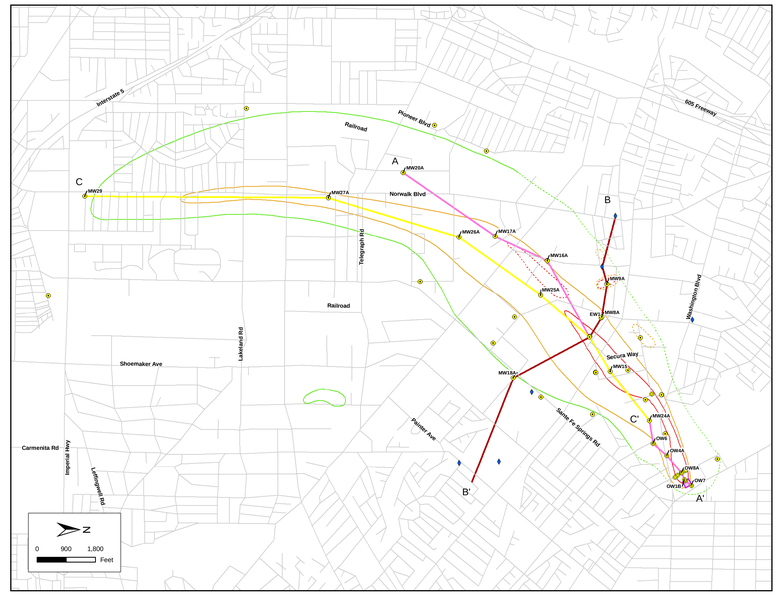
Figure 20
cis-1,2 DCE Temporal Trend Distribution

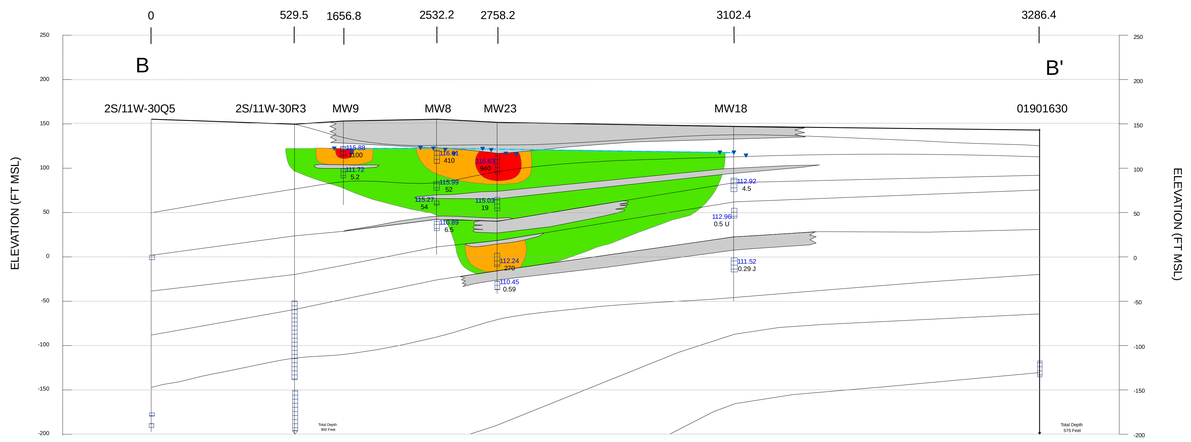
Omega Chemical Superfund Site

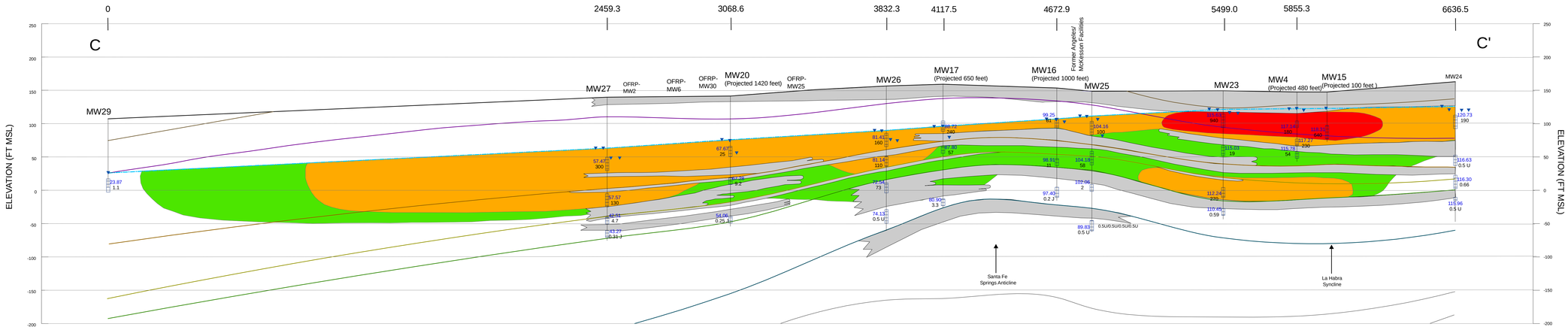
CH2MHILL

Path: Y:\2009-CH2Mhill\Omega\Omega_MTRX_Trend\Mxd\CIS12DCE_Omega_MTRX_Trend.mxd









Legend

Cross Sections

Lithology
- Fine-Grained Unit
- Coarse-Grained Unit

Water Level
- Water Level Elevation (ft msl)
- Water Table
- Stratigraphic Boundaries

PCE Distribution
- > 5 ug/L
- > 100 ug/L
- > 500 ug/L

Concentration
- 120.25 Water Level (ft msl)
- 25 Concentration (ug/L)

Cross Section Location Map

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group (OPOG) Monitoring Well
- Production Well

Cross Section
- AA'
- BB'
- CC'

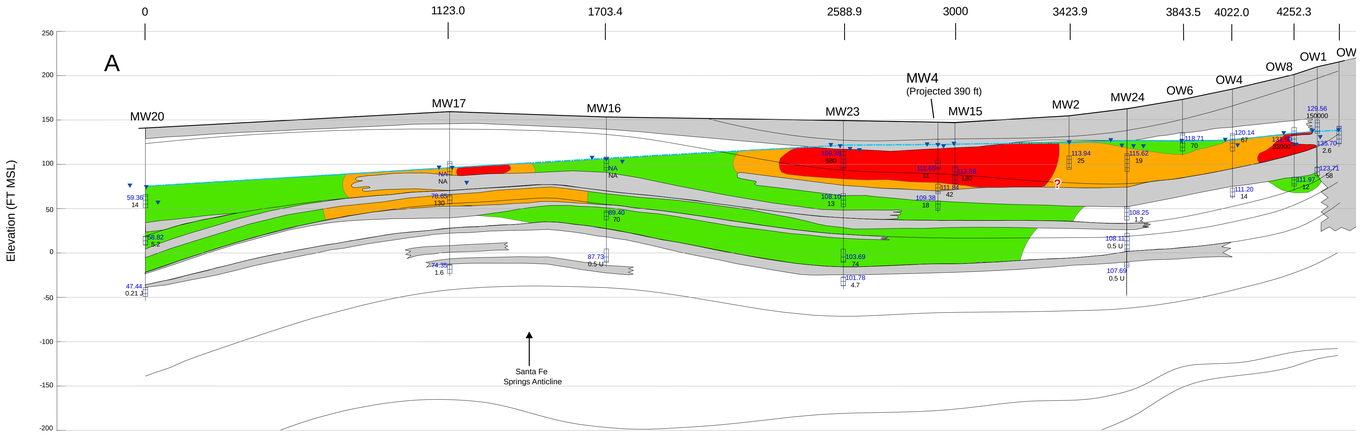
Composite PCE Plume Extent
- 5 ug/L (Dashed where Approximate)
- 100 ug/L (Dashed where Approximate)
- 500 ug/L (Dashed where Approximate)
- Former Omega Facility

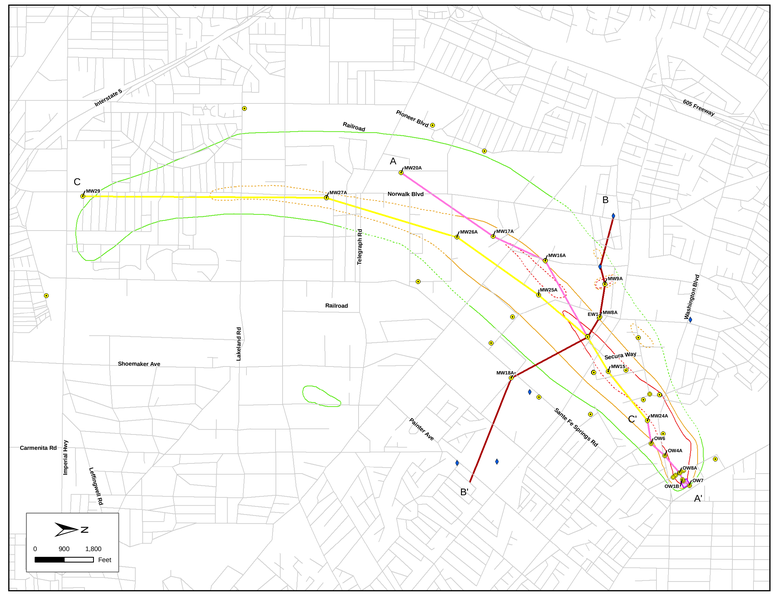
Notes:
1) U = Non-Detect; J = Estimated Value; R = Rejected Value
2) SB - Stratigraphic Boundary
3) FT MSL = Feet Above Mean Sea Level
4) Smooth (finger-like) lateral termination of fine-grained units represents facies change into coarse-grained material. Jagged termination is used when extent is unknown.

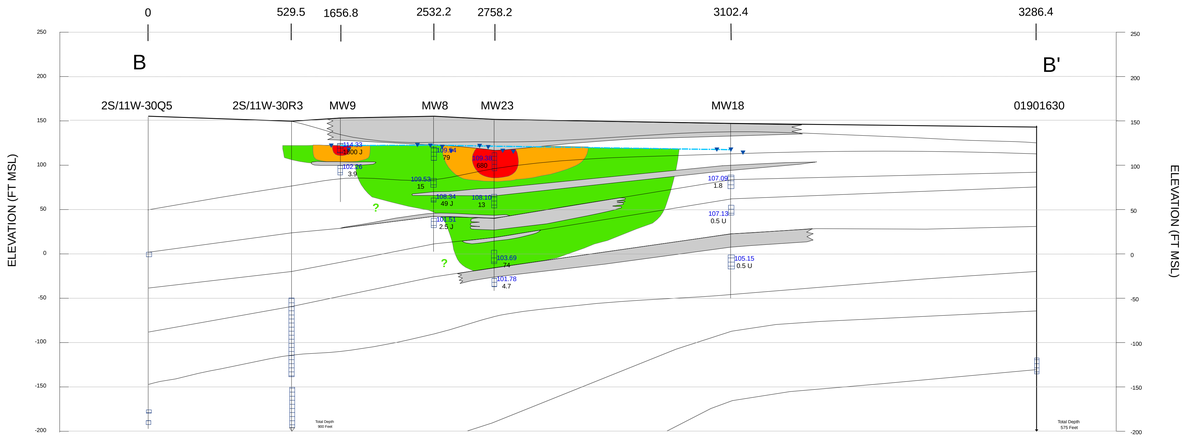
Figure 3-21a
Vertical Distribution of PCE - Q1 2008
Omega Chemical Superfund Site

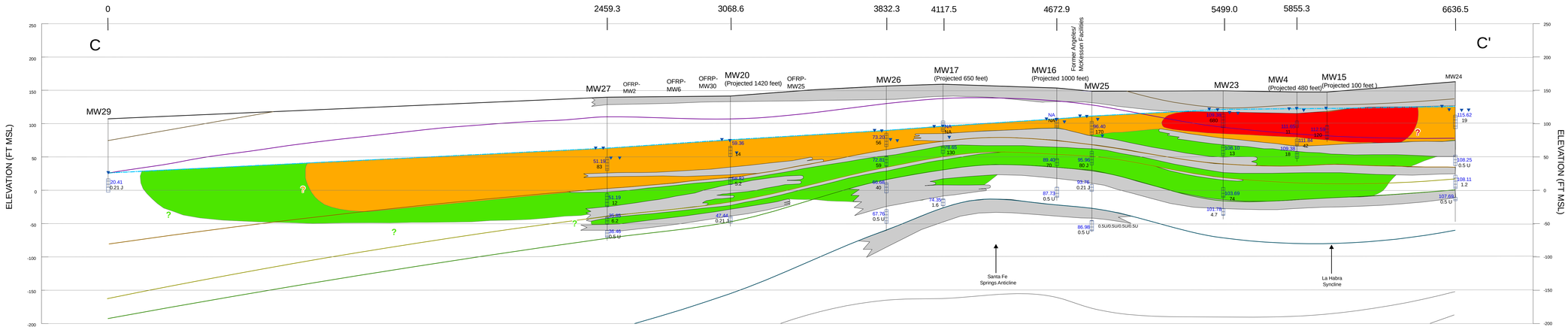
CH2MHILL

Date: May 2011









Legend

Cross Sections

Lithology
- Fine-Grained Unit
- Coarse-Grained Unit

Water Level
- Water Level Elevation (ft msl)
- Water Table
- Stratigraphic Boundaries

PCE Distribution
- > 5 ug/L
- > 100 ug/L
- > 500 ug/L

Concentration
- 120.25 Water Level (ft msl)
- 25 Concentration (ug/L)

Cross Section Location Map

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group (OPOG) Monitoring Well
- Production Well

Cross Section
- AA'
- BB'
- CC'

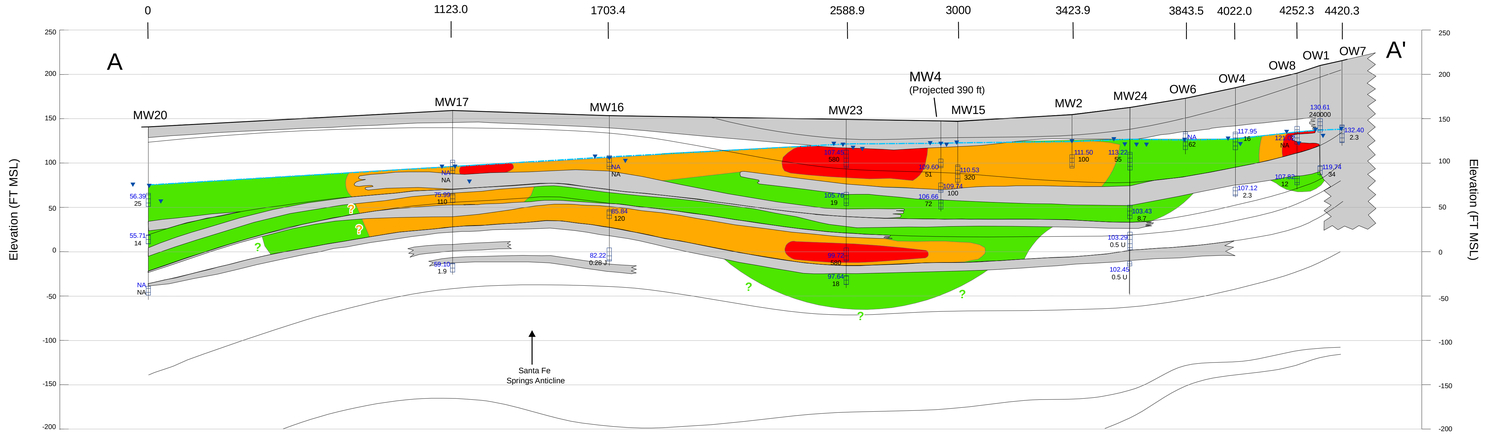
Composite PCE Plume Extent
- 5 ug/L (Dashed where Approximate)
- 100 ug/L (Dashed where Approximate)
- 500 ug/L (Dashed where Approximate)
- Former Omega Facility

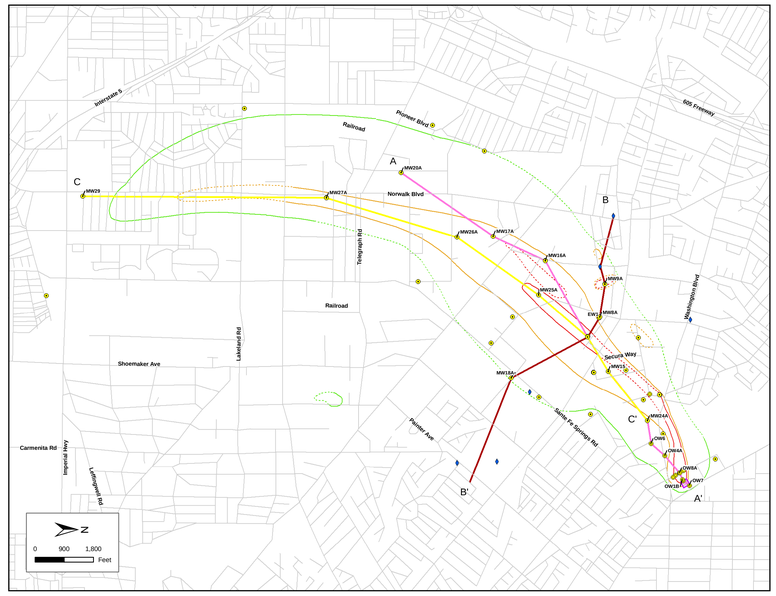
Notes:
1) U = Non-Detect; J = Estimated Value; R = Rejected Value
2) SB - Stratigraphic Boundary
3) FT MSL = Feet Above Mean Sea Level
4) Smooth (finger-like) lateral termination of fine-grained units represents facies change into coarse-grained material. Jagged termination is used when extent is unknown.

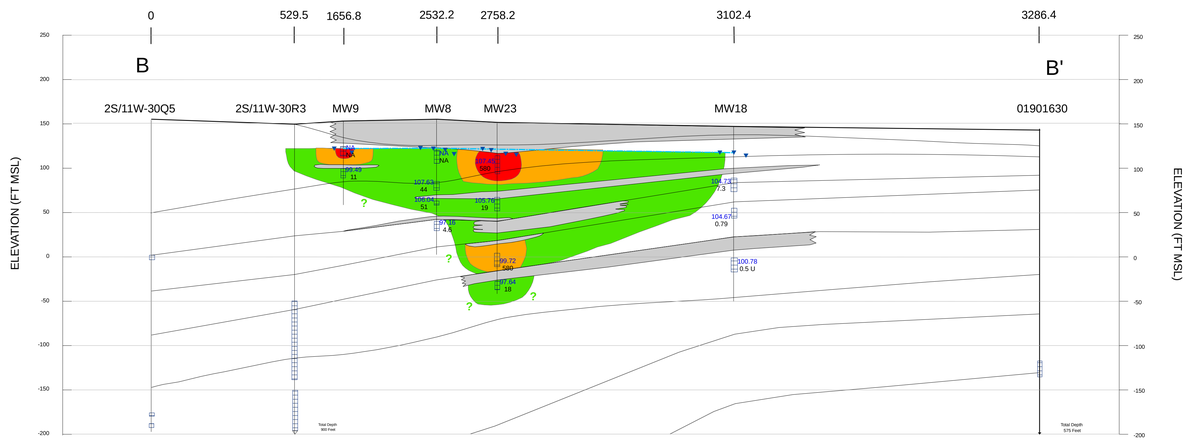
Figure 3-21b
Vertical Distribution of PCE - Q1 2009
Omega Chemical Superfund Site

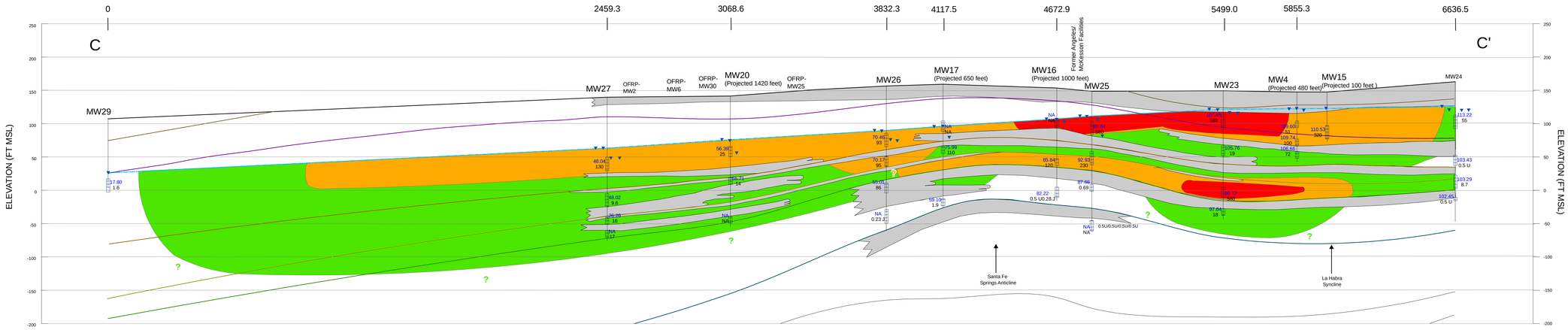
CH2MHILL

Date: May 2011









Legend

Cross Sections

Lithology
- Fine-Grained Unit
- Coarse-Grained Unit

Water Level
- Water Level Elevation (ft msl)
- Water Table
- Stratigraphic Boundaries

PCE Distribution
- > 5 ug/L
- > 100 ug/L
- > 500 ug/L

Concentration
- 120.25 Water Level (ft msl)
- 25 Concentration (ug/L)

Cross Section Location Map

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group (OPOG) Monitoring Well
- Production Well

Cross Section
- AA'
- BB'
- CC'

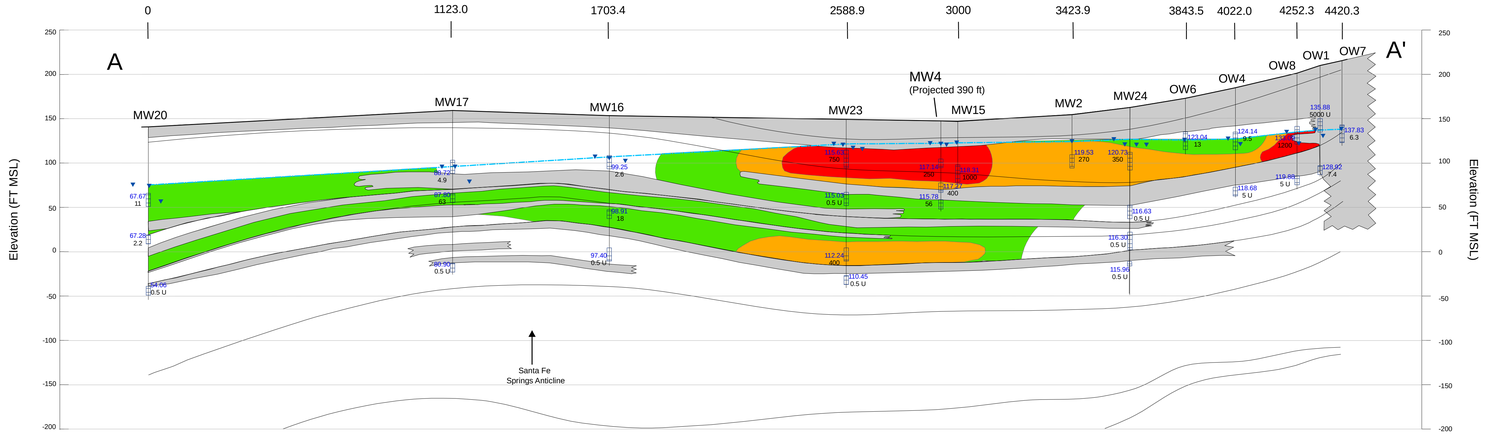
Composite PCE Plume Extent
- 5 ug/L (Dashed where Approximate)
- 100 ug/L (Dashed where Approximate)
- 500 ug/L (Dashed where Approximate)
- Former Omega Facility

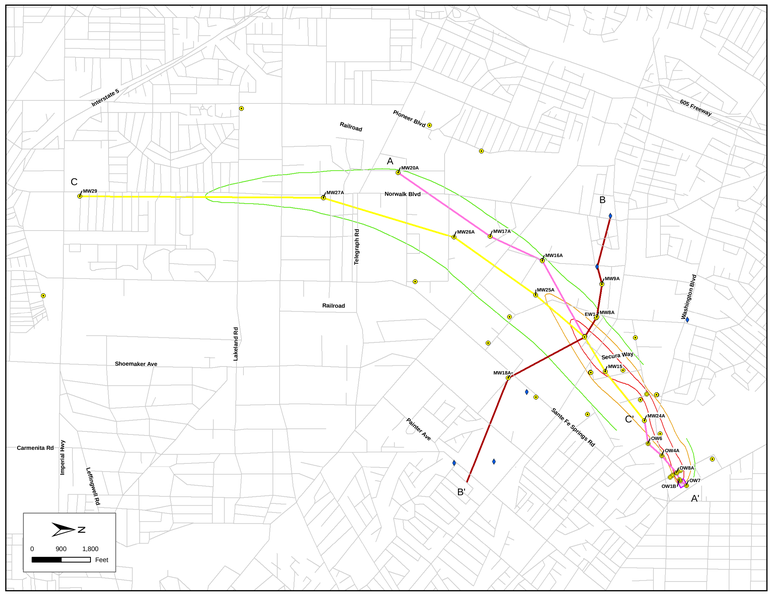
Notes:
1) U = Non-Detect; J = Estimated Value; R = Rejected Value
2) SB - Stratigraphic Boundary
3) FT MSL = Feet Above Mean Sea Level
4) Smooth (finger-like) lateral termination of fine-grained units represents facies change into coarse-grained material. Jagged termination is used when extent is unknown.

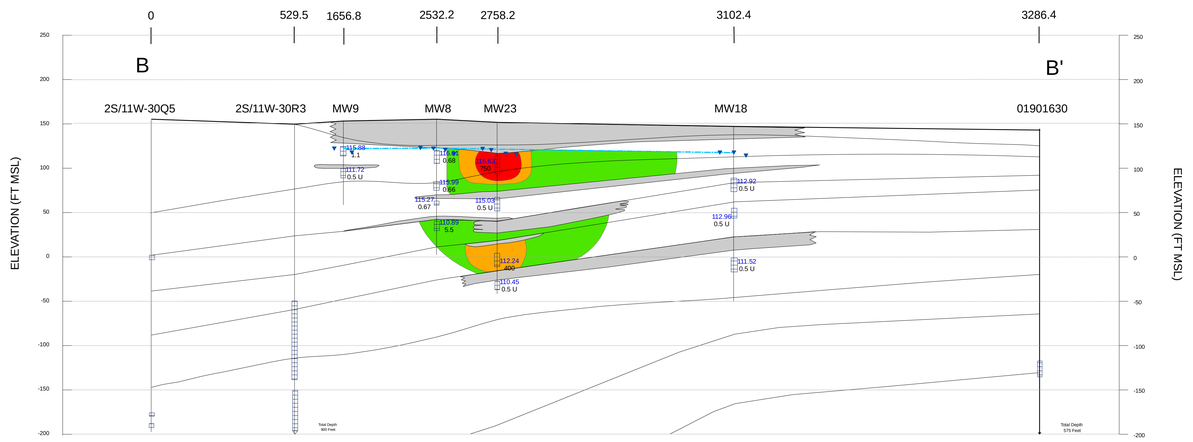
Figure 3-21c
Vertical Distribution of PCE - Q3 2009
Omega Chemical Superfund Site

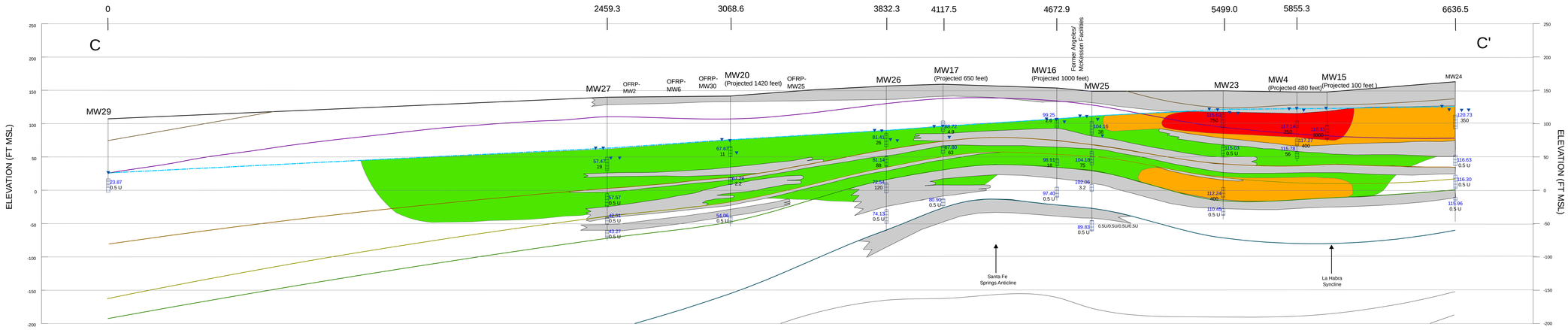
CH2MHILL

Date: May 2011









Legend

Cross Sections

Lithology
- Fine-Grained Unit
- Coarse-Grained Unit

Water Level
- Water Level Elevation (ft msl)
- Water Table
- Stratigraphic Boundaries

F113 Distribution
- > 5 ug/L
- > 150 ug/L
- > 500 ug/L

Concentration
- 120.25 Water Level (ft msl)
- 25 Concentration (ug/L)

Cross Section Location Map

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group (OPOG) Monitoring Well
- Production Well

Cross Section
- AA'
- BB'
- CC'

Composite Freon113 Plume Extent
- 5 ug/L (Dashed where Approximate)
- 150 ug/L (Dashed where Approximate)
- 500 ug/L (Dashed where Approximate)
- Former Omega Facility

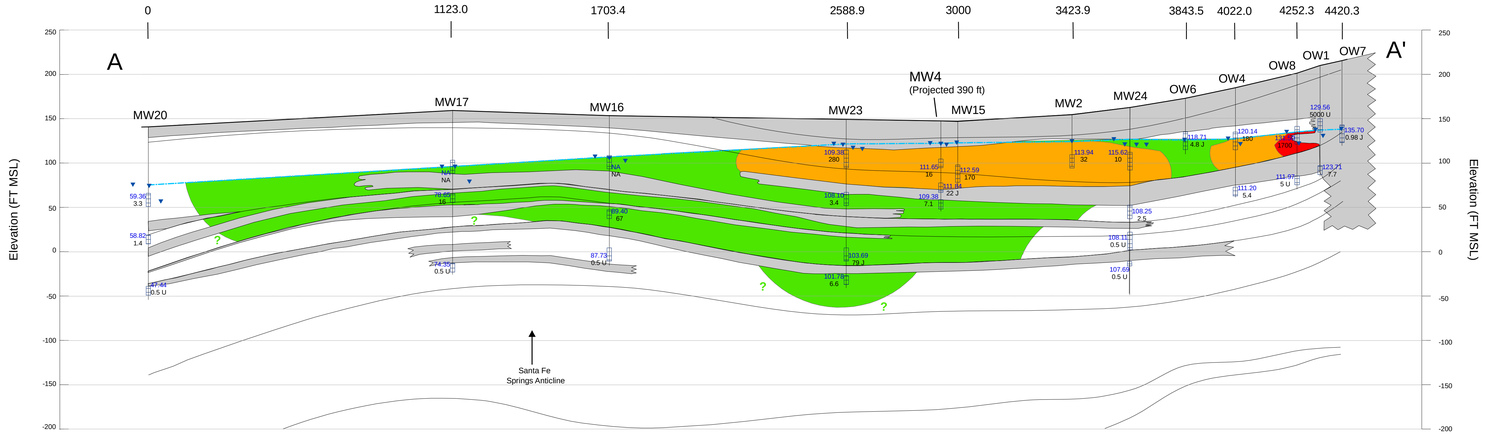
Notes:
1) U = Non-Detect; J = Estimated Value; R = Rejected Value
2) SB - Stratigraphic Boundary
3) FT MSL = Feet Above Mean Sea Level
4) Smooth (finger-like) lateral termination of fine-grained units represents facies change into coarse-grained material. Jagged termination is used when extent is unknown.

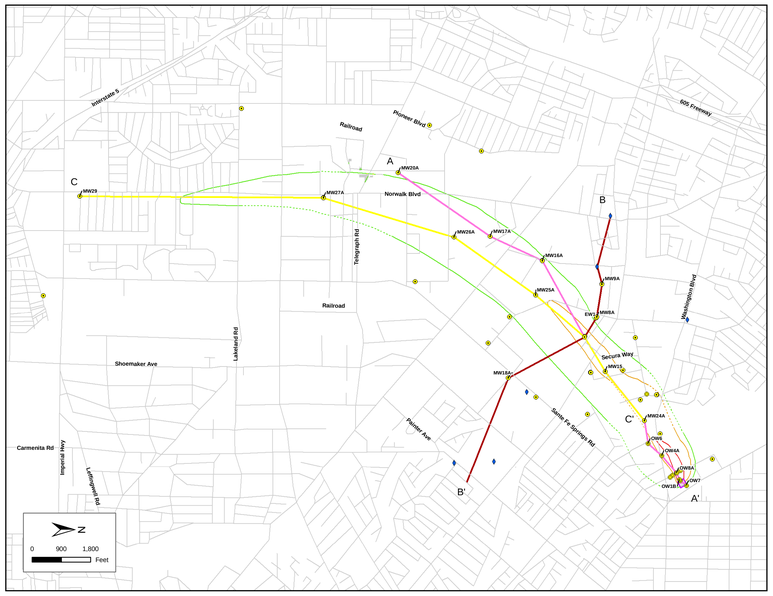
Figure 3-22a
Vertical Distribution of Freon113 - Q1 2008

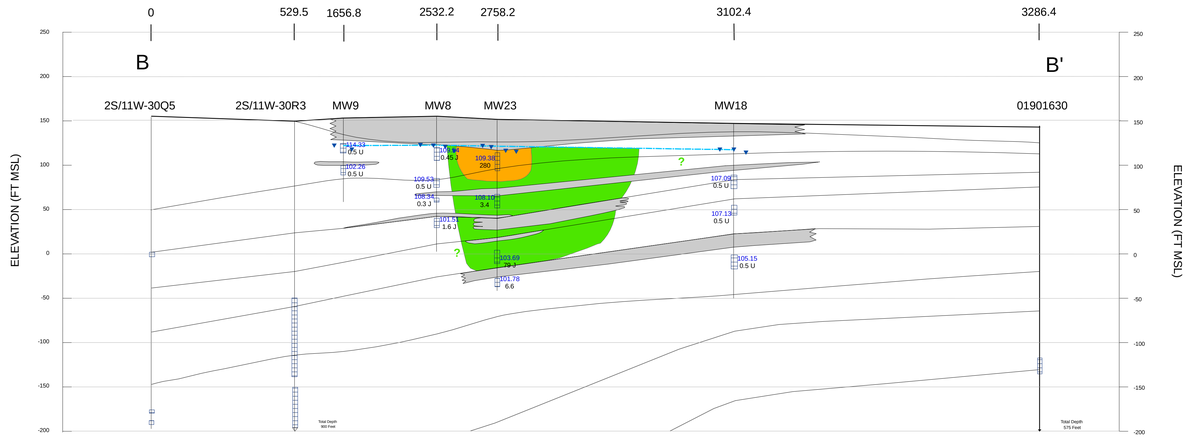
Omega Chemical Superfund Site

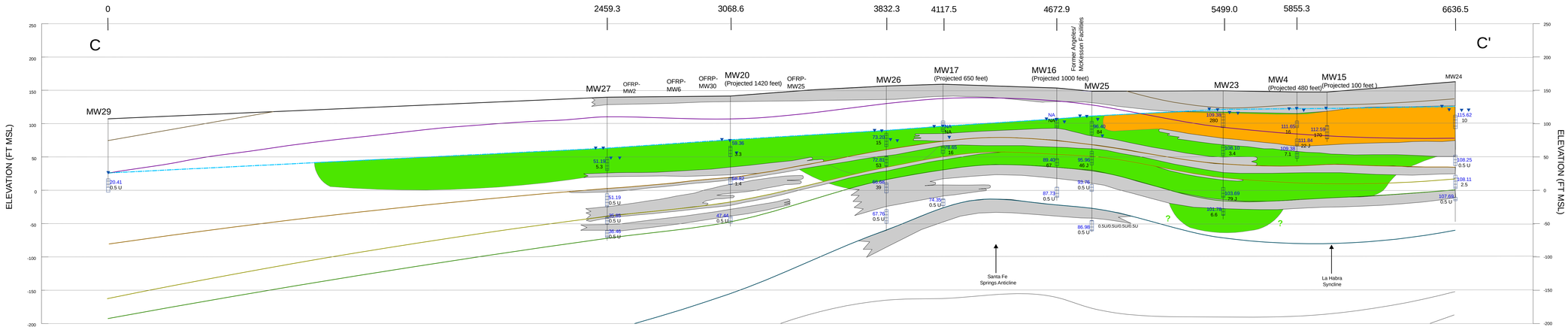
CH2MHILL

Date: May 2011









Legend

Cross Sections

Lithology
- Fine-Grained Unit
- Coarse-Grained Unit

Water Level
- Water Level Elevation (ft msl)
- Water Table
- Stratigraphic Boundaries

F113 Distribution
- > 5 ug/L
- > 150 ug/L
- > 500 ug/L

Concentration
- 120.25 Water Level (ft msl)
- 25 Concentration (ug/L)

Cross Section Location Map

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group (OPOG) Monitoring Well
- Production Well

Cross Section
- AA'
- BB'
- CC'

Composite Freon113 Plume Extent
- 5 ug/L (Dashed where Approximate)
- 150 ug/L (Dashed where Approximate)
- 500 ug/L (Dashed where Approximate)
- Former Omega Facility

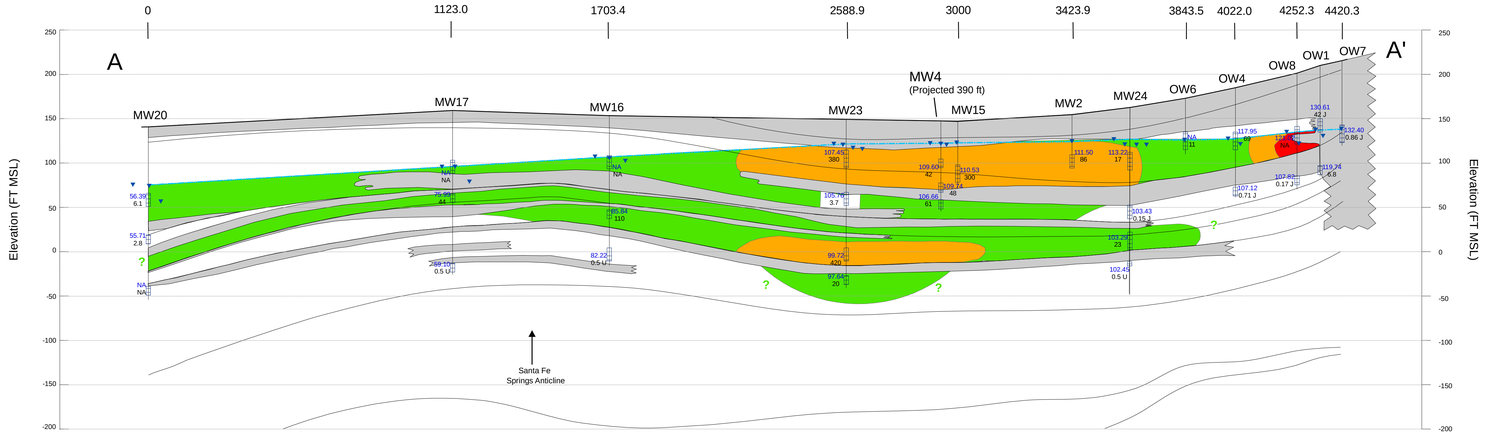
Notes:
1) U = Non-Detect; J = Estimated Value; R = Rejected Value
2) SB - Stratigraphic Boundary
3) FT MSL = Feet Above Mean Sea Level
4) Smooth (finger-like) lateral termination of fine-grained units represents facies change into coarse-grained material. Jagged termination is used when extent is unknown.

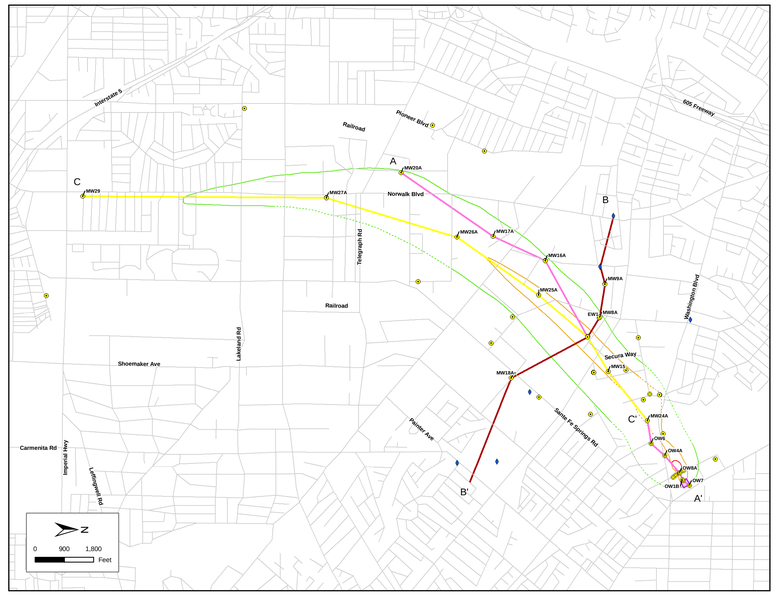
Figure 3-22b
Vertical Distribution of Freon113 - Q1 2009

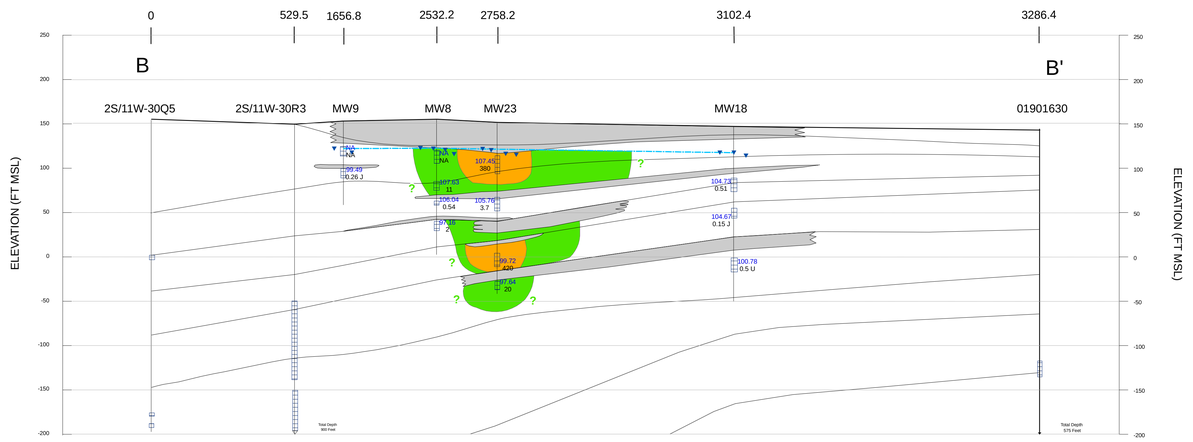
Omega Chemical Superfund Site

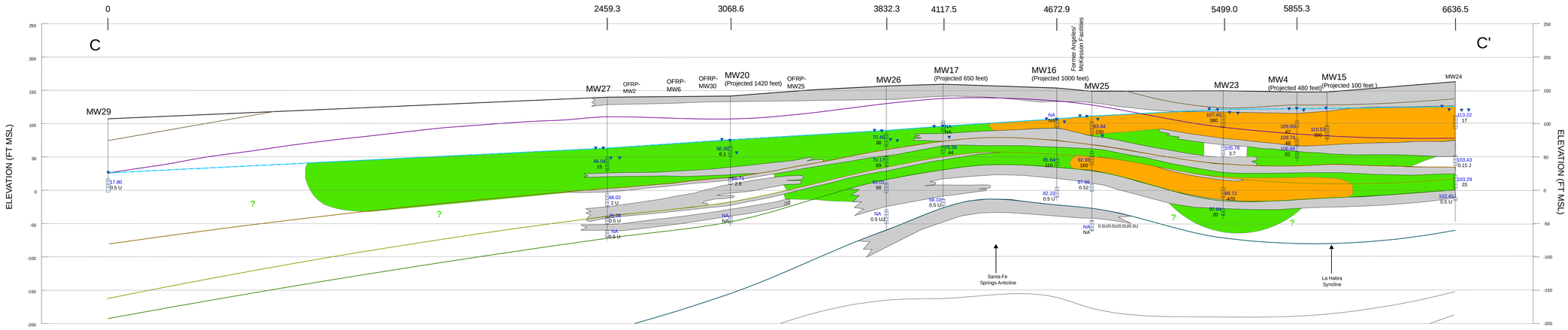
CH2MHILL

Date: May 2011









Legend

Cross Sections

Lithology
- Fine-Grained Unit
- Coarse-Grained Unit

Water Level
- Water Level Elevation (ft msl)
- Water Table
- Stratigraphic Boundaries

F113 Distribution
- > 5 ug/L
- > 150 ug/L
- > 500 ug/L

Concentration
- 120.25 Water Level (ft msl)
- 25 Concentration (ug/L)

Cross Section Location Map

- EPA Monitoring Well
- Omega Potentially Responsible Parties Organized Group (OPOG) Monitoring Well
- Production Well

Cross Section
- AA'
- BB'
- CC'

Composite Freon113 Plume Extent
- 5 ug/L (Dashed where Approximate)
- 150 ug/L (Dashed where Approximate)
- 500 ug/L (Dashed where Approximate)
- Former Omega Facility

Notes:
1) U = Non-Detect; J = Estimated Value; R = Rejected Value
2) SB - Stratigraphic Boundary
3) FT MSL = Feet Above Mean Sea Level
4) Smooth (finger-like) lateral termination of fine-grained units represents facies change into coarse-grained material. Jagged termination is used when extent is unknown.

Figure 3-22c
Vertical Distribution of Freon113 - Q3 2009

Omega Chemical Superfund Site

CH2MHILL

Date: May 2011

Appendix A
Monitoring Well Purge Forms
(on CD only)

Appendix A.1
1Q2009 Well Purge Forms

Omega Chemical OU-2 Hydropunch Sampling Sheet
~~February 2007~~ March 2009

Date	Time	Location	CLP ID	EPA ID	QC Type	Comments
3/2	900	MW3	Y4N51			
3/2	1010	MW7	Y4N52			
3/2	1140	MW11	Y4N53			
~~3/2~~	~~1230~~	~~MW19~~	~~Y4N54~~			not enough H_2O dry
3/2	1330	MW21	Y4N55			
3/3	0810	1	Y4N56	MW22		
3/3	0910	2	Y4N57	MW10		
3/3	1035	3	Y4N58	MW8 D		
3/3	1100	4	Y4N59	MW8 C		
3/3	~~1000~~ 1125	5	Y4N60	MW8 B		
	~~1105~~ 1155	6	Y4N61	MW8 B	~~DC~~ Dup	
	~~1200~~	7	Y4N62	MW8A		
	1146	8	Y4N63	trip blank		
3/4	0800	9	Y4N64	MW1A		
	0830	10	Y4N65	MW1B		
	0925	11	Y4N66	MW10		
	0945	12	Y4N67	trip blank		
3/5	0740	13	Y4N68	MW14		
	0840	14	Y4N69	MW12		
	0925	15	Y4N70	MW5		
	1025	16	Y4N71	~~MW15~~ MW15		
	1030	17	Y4N72	~~MW15~~ MW15d	Dup	
	1225	18	Y4N73	~~MW4~~ MW4C	Lab QC	
	1156	19	Y4N74	OW 3B		
	1323	20	Y4N75	OW 8B		
	1425	21	Y4N76	OW1		
	1300	22	Y4N77	MW-4B		
	1335	23	Y4N78	MW4A		
	1345	24	Y4N79	Trip Blank		
3/6	0735	25	Y4N80	MW9B		
	0810	26	Y4N81	MW9A		only 1L collected for 1,4-D
	0915	27	Y4N82	~~MW13~~ MW13B		
	1010	28	Y4N83	MW2		
	1100	29	Y4N84	Trip Blank		
3/9	0750	30	Y4N85	MW30	~~dup~~	
	0755	31	Y4N86	MW30 dup	~~lab QC~~ dup	
	0940	32	Y4N87	MW29		
	1045	33	Y4N88	MW28		
	1205	34	Y4N89	MW18B		
	1225	35	Y4N90	MW18A		32
	1305	36	Y4N91	MW18C		
	1330	37	Y4N92	Trip Blank		
3/10	0810	38	Y4N93	MW16B		
	0840	39	Y4N94	MW16C		
	1055	40	Y4N95	MW20B		
	1135	41	Y4N96	MW20C		
	1156	42	Y4N97	Trip Blank		
3/11	0915	43	Y4N98	MW17B	dup	
	0920	44	Y4N99	MW17B dup	~~lab QC~~ dup	
	0950	45	Y4NA0	MW17C	Lab QC	
	1125	46	Y4NA1	MW27B		40
	1155	47	Y4NA2	MW27A		41

Omega Chemical OU-2 Hydropunch Sampling Sheet
February 2007

Date	Time	Location	CLP ID	EPA ID	QC Type	Comments
3/11	1330	48	Y4NA3	Trip Blank		
3/12	0855	49	Y4NA4	MW25A		42
	0925	50	Y4NA5	MW25B		
	1125	51	Y4NA6	MW24B		
	1200	52	Y4NA7	MW24A		
	1243	53	Y4NA8	Trip Blank		
	1345	54	Y4NA9	MW20A		46
3/13	0800	55	Y4NB0	MW26B		
	0830	56	Y4NB1	MW26A		
	1035	57	Y4NB2	MW26D		
	1100	58	Y4NB3	MW26C	~~dup~~	50
	1110	59	Y4NB4	MW26D dup	dup	
	1210	60	Y4NB5	MW27D		
	1240	61	Y4NB6	MW27C		
	1140	62	Y4NB7	Trip Blank		
	1345	63	Y4NB8	MW24D		
3/14	0805	64	Y4NB9	MW25D		
	0835	65	Y4NC0	MW25C		
	0925	66	Y4NC1	MW24C		
	1040	67	Y4NC2	MW23D		
	1110	68	Y4NC3	MW23B		
	1150	69	Y4NC4	MW23C		
	1155	70	Y4NC5	MW23C dup		
	1220	71	Y4NC6	MW23A	Lab QC	
	1130	72	Y4NC7	Trip Blank		

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Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW1B
Date of Field Visit: 3/4/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: 94N05

Screened Interval: 75-85 feet bgs
Static WL: 44.20
Line Depth: 40.8
Gal/ft line 0.0102 gal
System Volume: 0.416
3 System Volumes: 1.25
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0820	pump on							
0822	44.29	21.31	1.312	3.69	7.35	155	8.7	
0824	44.30	21.31	1.339	3.96	7.13	163	3.4	
0826	44.30	21.37	1.338	3.94	7.08	165	0.1	
0830	collect sample							

Final SWL: 44.23
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW1A
Date of Field Visit: 3/4/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: Y4N164

Screened Interval: 45-60 feet bgs
Static WL: 44.32
Line Depth: 15.68
Gal/ft line 0.0102 gal
System Volume: 0.154
3 System Volumes: 0.480
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0730	pump on - need to change batteries in meter							
0749	pump on again							
0751	44.35	21.80	1.423	4.06	6.89	175	17.3	
753	44.35	21.74	1.422	3.96	6.90	176	10.8	
7:55	44.34	21.76	1.423	3.96	6.90	177	4.4	
0800	collect sample							

Final SWL: 44.32
Total Vol.: 2.5 gal

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW4A
Date of Field Visit: 3/5/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: YAN78

Screened Interval: 43-53 feet bgs
Static WL: 35.15
Line Depth: 17.85
Gal/ft line 0.0102 gal
System Volume: 0.182
3 System Volumes: 0.54
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1324	pump on							
1325	35.15	22.90	2.02	3.84	7.26	126	103	
1328	35.15	22.41	2.13	2.14	6.94	130	78.4	
1331	35.15	22.29	2.12	2.14	6.88	130	61.7	
1335	collect sample							

Final SWL: 35.15
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW4B
Date of Field Visit: 3-5-09
Field Staff: Gailes
Ockerman
R9 Sample ID:
CLP Sample ID: 94N77

Screened Interval: 70-80 feet bgs
Static WL: 35.00
Line Depth: 45'
Gal/ft line 0.0102 gal
System Volume: 0.34
3 System Volumes: 1.377
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1252	pump on							
1253	35.02	22.85	1.56	5.32	7.55	76	63.6	
1254	35.02	22.04	2.27	1.85	7.12	96	61.5	
1256	35.02	21.91	2.32	1.35	6.95	102	50.5	
1258	35.02	21.85	2.33	1.24	6.90	104	41.8	
1300	collect sample							

Final SWL: 35.00
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW2
Date of Field Visit: 3/6/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: Y4N83

Screened Interval: 45-60 feet bgs
Static WL: 40.27
Line Depth: 19.73
Gal/ft line 0.0102 gal
System Volume: 0.201
3 System Volumes: 0.604
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0958	pump on							
1001	40.27	22.17	1.76	3.40	7.33	139	40.4	
1004	40.27	22.36	1.83	2.18	6.91	149	16.0	
1006	40.27	22.30	1.83	2.15	6.86	149	12.4	
1008	40.27	22.28	1.83	2.13	6.81	150	8.9	
1010	collect sample							

Final SWL: 40.27
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW3
Date of Field Visit: 3/2/09
Field Staff: J Gales
J Ackerman
R9 Sample ID:
CLP Sample ID: Y4N51

Screened Interval: 38-48 feet bgs
Static WL: 36.5
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.1173
3 System Volumes: 0.3519
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0846	pump	on	~~1.60~~	~~3.51~~	~~6.03~~	~~148~~	~~59.0~~	
0848			1.60	3.51	6.03	148	59.0	
0851		21.02	1.70	1.69	6.51	144	16.9	
0854	36.6	21.07	1.70	1.73	6.62	146	6.7	
0857	36.6	21.16	1.70	1.57	6.68	147	4.2	
0900	36.6	21.16	1.70	1.53	6.70	148	3.4	
0915	36.55							

Final SWL: 36.55
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW4C
Date of Field Visit: 3/5/09
Field Staff: Gaines, Ackerman
R9 Sample ID:
CLP Sample ID: 44N73 Lab QC

Screened Interval: 89-99 feet bgs
Static WL: 37.72
Line Depth: 101.25
Gal/ft line 0.0102 gal
System Volume: 0.625
3 System Volumes: 1.875
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1211	PUMP	ON						
1213	37.75	23.00	1.073	4.94	7.77	66	69.3	
1215	37.75	22.27	1.232	4.28	7.38	86	64.3	
1217	37.75	22.05	1.238	4.73	7.25	99	52.9	
1220	37.75	22.00	1.236	4.70	7.19	107	41.8	
1223	37.75	21.95	1.235	4.63	7.14	115	32.6	
1225	collect sample							

Final SWL: 37.72
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW5
Date of Field Visit: 3/5/09
Field Staff: Gailes
Ockerman
R9 Sample ID:
CLP Sample ID: 94N90

Screened Interval: 43-53 feet bgs
Static WL: 38.94
Line Depth: 14.06
Gal/ft line 0.0102 gal
System Volume: 0.143
3 System Volumes: 0.43
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0914	PUMP	ON						
0916	38.95	21.66	1.68	4.66	7.61	27	7.6	
0918	38.95	21.90	1.79	2.13	7.09	59	7.2	
0920	38.95	21.90	1.80	2.08	6.94	76	6.9	
0923	38.95	21.87	1.80	2.02	6.90	86	6.0	
0925	collect	sample						

Final SWL: 38.91
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW6
Date of Field Visit: 3/4/09
Field Staff: Gaines, Ockerman
R9 Sample ID:
CLP Sample ID: Y4N666

Screened Interval: 37-47 feet bgs
Static WL: 39.93
Line Depth: 47.07
Gal/ft line 0.0102 gal
System Volume: 0.072
3 System Volumes: 0.216
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0915	pump on							
0916	39.93	20.42	1.67	4.32	7.51	102	9.0	
0919	39.93	21.30	1.74	3.11	7.00	131	7.3	
0921	39.93	21.32	1.74	3.06	6.92	138	4.0	
0925	collect sample							

Final SWL: _____
Total Vol.: _____

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW7
Date of Field Visit: 3/2/09
Field Staff: J Galles
J Ockerman
R9 Sample ID:
CLP Sample ID: Y4N52

Screened Interval: 36-46 feet bgs
Static WL: 29.65
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.167
3 System Volumes: 0.5
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0955	pump	on						
~~0956~~	~~29.66~~	~~21.25~~	0					
1000	29.66	21.63	2.15	2.11	6.89	132	9.4	
1005	29.66	21.74	2.14	1.73	6.83	134	5.1	
1008	29.66	21.77	2.13	1.67	6.82	134	3.4	
1010	collect	sample						

Final SWL: 29.66
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW8A
Date of Field Visit: 3/3/09
Field Staff: Gallis, Ackerman
R9 Sample ID:
CLP Sample ID: Y4N167

Screened Interval: 30-45 feet bgs
Static WL: 40.60
Line Depth: 44
Gal/ft line 0.0102 gal
System Volume: 0.04488
3 System Volumes: 0.13464
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1139	pump	on						
1143	40.59	not pumping		water				
1200	collect	sample						

Final SWL: _____
Total Vol.: _____

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW8B
Date of Field Visit: 3/3/09
Field Staff: Gailes
Ockerman
R9 Sample ID:
CLP Sample ID: Y4N60 & Y4N61

Screened Interval: 65-75 feet bgs
Static WL: 40.50
Line Depth: 34.5
Gal/ft line 0.0102 gal
System Volume: 0.3519
3 System Volumes: 1.0557
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1113	pump	on						
1114	40.50	22.60	1.69	5.48	7.18	116	104	
1116	40.51	22.04	1.71	4.93	7.02	123	100	
1118	40.51	22.00	1.71	4.83	6.97	126	82.5	
1121	40.51	22.01	1.71	4.78	6.94	129	66.3	
1125	collect	Y4N60						
1135	collect	Y4N61						

Final SWL: 40.50
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW8C
Date of Field Visit: 3/3/09
Field Staff: Gulles, Ackerman
R9 Sample ID:
CLP Sample ID: 44N60

Screened Interval: 87-92 feet bgs
Static WL: 41.69
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.513
3 System Volumes: 1.54
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1049	pump on							
1051	41.97	22.06	1.58	2.68	7.27	119	69.0	
1055	41.97	21.95	1.74	2.73	7.04	123	47.2	
1058	41.98	21.84	1.75	2.99	6.99	124	33.8	
1100	collect sample							
11:10	41.74							

Final SWL: 41.74
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW8D
Date of Field Visit: 2/3/09
Field Staff: Gaues, Ockerman
R9 Sample ID:
CLP Sample ID: Y4N58

Screened Interval: 110-120 feet bgs
Static WL: 48.40
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.73
3 System Volumes: 2.19
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1002	Pump	on						
1011	48.40	23.42	0.894	6.45	7.54	84	53.6	
1016	48.48	22.48	1.039	3.46	7.61	102	40.2	
1022	48.52	21.95	1.161	1.28	7.37	106	35.7	
1027	48.58	21.71	1.164	1.02	7.35	104	32.4	
1034	48.57	21.68	1.159	0.98	7.33	102	30.0	
1035	collect	sample						

Final SWL: 48.42
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW9A
Date of Field Visit: 3/10/09
Field Staff: Gailes
Ockerman
R9 Sample ID:
CLP Sample ID: 94N81

Screened Interval: 25-35 feet bgs
Static WL: 34.51
Line Depth: 0.49
Gal/ft line 0.0102 gal
System Volume: 0.005
3 System Volumes: 0.01
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0750	pump	on						
~~0800~~								
0810	collect sample with bailer - not enough water to pump.							
	~~trace~~							

Final SWL: _____
Total Vol.: _____

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW9B
Date of Field Visit: 3/10/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: Y4N80

Screened Interval: 50-60 feet bgs
Static WL: 46.64
Line Depth: 53.36
Gal/ft line 0.0102 gal
System Volume: 0.136
3 System Volumes: 0.41
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0723	pump	on						
0724	46.68	19.01	1.77	6.18	6.01	215	16.2	
0726	46.68	20.72	1.91	4.38	6.53	201	16.7	
0729	46.68	20.81	1.91	4.32	6.74	196	9.2	
0731	46.68	20.85	1.90	4.18	6.81	195	4.7	
0733	46.70	20.83	1.91	4.23	6.86	192	1.3	
0735	46.70	20.80	1.90	4.17	6.89	190	0.1	
0735	collect sample							

Final SWL: 46.66
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW10
Date of Field Visit: 7/3/09
Field Staff: Galles, Ockerman
R9 Sample ID:
CLP Sample ID: Y4N57

Screened Interval: 52-62 feet bgs
Static WL: 45.42
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.169
3 System Volumes: 0.507
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0858	pump	on						
0900	45.37	21.61	1.71	3.72	6.97	110	3.2	
0903	45.37	21.65	1.69	3.80	6.95	117	4.2	
0906	45.37	21.70	1.56	5.41	6.99	124	5.3	
0910	Collect sample							

Final SWL: 45.37
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW11
Date of Field Visit: 3/2/09
Field Staff: J Galles
J Ockerman
R9 Sample ID:
CLP Sample ID: 42N53

Screened Interval: 40-50 feet bgs
Static WL: 46.02
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1059	46.02	pump on						
1101	46.05	24.35						
baited sample								

Final SWL: _____
Total Vol.: _____

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW12
Date of Field Visit: 3/5/09
Field Staff: Gaules
Ockerman
R9 Sample ID:
CLP Sample ID: 94N169

Screened Interval: 82-97
Static WL: 88.0
Line Depth: 9
Gal/ft line 0.0102 gal
System Volume: 0.0918
3 System Volumes: 0.2754
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0828	Pump	on						Use Passive Sampling Method
0831	88.30	19.44	1.147	6.28	7.52	159	16.6	
0833	88.45	19.79	1.191	5.53	7.45	156	16.3	
0835	88.52	19.96	1.237	4.89	7.32	-73	12.9	
0837	88.65	20.17	1.243	4.10	7.22	-125	9.7	
0839	88.80	20.37	1.263	3.07	7.11	-131	5.8	
0840	collect sample							

Final SWL: 90.25
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW13A
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 56-66
Static WL: 69.80
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
dry - no sample								

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW13B
Date of Field Visit: 3/16/09
Field Staff: Gallos
ackerman
R9 Sample ID:
CLP Sample ID: Y4N82

Screened Interval: 123-133
Static WL: 93.72
Line Depth: 39.28
Gal/ft line 0.0102 gal
System Volume: 0.4
3 System Volumes: 1.2
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0855	PUMP ON							
0900	93.71	20.79	1.80	6.79	7.67	109	6.4	
0903	93.72	21.74	1.64	3.50	7.39	122	8.3	
0906	93.72	21.67	1.60	3.47	7.25	130	5.4	
0910	93.72	21.70	1.61	3.10	7.18	134	3.6	
0912	93.72	21.73	1.62	3.03	7.15	136	3.3	
0915	collect sample							

Final SWL: 93.72
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID:	MW14	**Screened Interval:**	60-75
Date of Field Visit:	3/5/09	**Static WL:**	55.68
Field Staff:	Gallies	**Line Depth:**	19.32
	Ockerman	**Gal/ft line**	0.0102 gal
R9 Sample ID:		**System Volume:**	0.197
CLP Sample ID:	Y4N68	**3 System Volumes:**	0.59
		Sampling Equipment:	Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0725	pump on							
0726	55.68	21.46	1.206	6.54	6.71	213	20.3	
0729	55.68	21.98	1.80	2.64	6.52	206	18.1	
0731	55.68	22.09	1.79	2.49	6.64	203	10.9	
0733	55.68	22.12	1.79	2.39	6.70	202	5.4	
0735	55.68	22.11	1.78	2.32	6.70	200	3.0	
0740	collect sample							

Final SWL: 55.68
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW15
Date of Field Visit: 3/5/09
Field Staff: Gaules
Ockerman
R9 Sample ID:
CLP Sample ID: 44N71 + 44N72

Screened Interval: 50-70
Static WL: 35.69
Line Depth: 34.31
Gal/ft line 0.0102 gal
System Volume: 0.35
3 System Volumes: 1.05
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1023	pump on							
1024	35.71	22.06	1.460	7.03	7.43	63	15.7	
1026	35.69	21.78	1.84	3.35	7.06	83	14.7	
1028	35.69	21.76	1.84	2.85	6.97	91	20.8	
1030	35.69	21.75	1.84	2.32	6.93	98	20.8	
1025 ~~1030~~	collect	sample						
1030 ~~1040~~	collect	dup						

Final SWL: 35.69
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW16A
Date of Field Visit: 3/10/09
Field Staff: Gallos
Ackerman
R9 Sample ID:
CLP Sample ID:

Screened Interval: 45-60
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
dry								

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW16B
Date of Field Visit: 3/10/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: 44N93

Screened Interval: 106-116
Static WL: 63.79
Line Depth: 52.21
Gal/ft line 0.0102 gal
System Volume: 0.53
3 System Volumes: 1.60
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0752	pump	on						
0756	63.74	19.59	1.69	5.56	6.09	209	16.1	
0800	63.78	20.62	1.70	2.90	6.65	197	23.2	
0803	63.78	20.48	1.71	3.20	6.95	186	9.2	
0808	63.78	20.50	1.71	3.00	7.06	189	2.9	
0810	collect sample							

Final SWL: 63.78
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW16C
Date of Field Visit: 3/10/09
Field Staff: Gilles
Ackerman
R9 Sample ID:
CLP Sample ID: Y4N94

Screened Interval: 149-164
Static WL: 65.53
Line Depth: 98.47
Gal/ft line 0.0102 gal
System Volume: 1.004
3 System Volumes: 3.01
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0821	pump ON							
0823	65.55	20.58	1.113	1.95	7.20	120	9.0	
0826	65.55	20.74	1.181	0.81	7.08	6	16.5	
0830	65.55	20.66	1.182	0.77	7.15	29	3.6	
0834	65.55	20.78	1.184	0.68	7.17	38	1.8	
0836	65.55	20.78	1.189	0.70	7.18	42	2.1	
0840	collect sample							

Final SWL: 65.55
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW17A
Date of Field Visit: 3/11/09
Field Staff: Gallies
Ackerman
R9 Sample ID:
CLP Sample ID: ~~Yankee~~ None

Screened Interval: 56-71
Static WL: 73.95
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Bailer

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
	dry							

Final SWL: _____
Total Vol.: _____

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW17B
Date of Field Visit: 3/11/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: Y4N98 & Y4N99

Screened Interval: 94-104
Static WL: 80.25
Line Depth: 23.75
Gal/ft line 0.0102 gal
System Volume: 0.24
3 System Volumes: 0.73
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0948	pump on							
0851	80.27	16.29	1.53	6.47	6.29	187	10.7	
0859	80.28	18.96	1.62	3.85	6.90	181	9.5	
0907	80.28	19.06	1.69	3.33	7.00	179	11.7	
0911	80.28	19.13	1.70	3.30	7.00	178	13.9	
0915	Collect	sample		Y4N98				
0920	collect	Y4N99						

Final SWL: 80.27
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW17C
Date of Field Visit: 3/11/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: ~~[illegible]~~ 94NAO lab QC

Screened Interval: 172-182
Static WL: ~~[illegible]~~ 84.65
Line Depth: ~~[illegible]~~
Gal/ft line 0.0102 gal
System Volume: 0.99
3 System Volumes: 2.98
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0933 ~~[illegible]~~	pump	on						
0933	84.65	19.82	1.049	6.79	7.39	122	8.0	
0939	84.65	20.92	1.173	2.60	7.32	138	50.3	
0943	84.65	21.03	1.176	2.60	7.35	139	27.4	
0948	84.65	21.03	1.171	2.64	7.37	140	22.4	
0950	collect sample							

Final SWL: 84.65
Total Vol.:

	Screen Depth	Total Line Depth	June WL	Line Depth	One Volume	3 Volumes	Est One Vol	Est 3 Vols	ystem Vol per Arcadis (ml	(gal)
MW1A	45-60	60	39.77	20.23	0.6	1.8	0.2	0.6		
MW1B	75-85	85	39.64	45.36	0.9	2.6	0.5	1.4		
MW2A	45-60	60	35.91	24.09	0.6	1.8	0.2	0.7		
MW3A	38-48	48	33.3	14.7	0.5	1.5	0.1	0.4		
MW4A	43-53	53	31.07	21.93	0.5	1.6	0.2	0.7		
MW4B	70-80	80	31.01	48.99	0.8	2.4	0.5	1.5		
MW4C	89-99	99	33.25	65.75	1.0	3.0	0.7	2.0		
MW5A	43-53	53	33.98	19.02	0.5	1.6	0.2	0.6		
MW6A	37-47	47	34.45	12.55	0.5	1.4	0.1	0.4		
MW7A	36-46	46	26.79	19.21	0.5	1.4	0.2	0.6		
MW8A	30-45	45	35.53	9.47	0.5	1.4	0.1	0.3		
MW8B	65-75	75	35.45	39.55	0.8	2.3	0.4	1.2		
MW8C	87-92	92	36.58	55.42	0.9	2.8	0.6	1.7		
MW8D	110-120	120	42.65	77.35	1.2	3.7	0.8	2.4		
MW9A	25-35	35	0	35	0.4	1.1	0.4	1.1	Dry	
MW9B	50-60	60	40.36	19.64	0.6	1.8	0.2	0.6		
MW10A	52-62	62	40.26	21.74	0.6	1.9	0.2	0.7		
MW11A	40-50	50	41.72	8.28	0.5	1.5	0.1	0.3		
MW-12	82-97	97	85.44	11.56	1.0	3.0	0.1	0.4	1329	0.351
MW-13A	56-66	66	69.36	-3.36	0.7	2.0	0.0	-0.1		0.000
MW-13B	123-133	133	81.75	51.25	1.4	4.1	0.5	1.6	1633	0.431
MW-14	60-75	75	45	30	0.8	2.3	0.3	0.9	1120	0.296
MW-15	50-70	70	24.57	45.43	0.7	2.1	0.5	1.4	1072	0.283
MW-16A	45-60	60	46.07	13.93	0.6	1.8	0.1	0.4	977	0.258
MW-16B	106-116	116	46.88	69.12	1.2	3.5	0.7	2.1	1471	0.389
MW-16C	149-164	164	49.17	114.83	1.7	5.0	1.2	3.5	1918	0.507
MW-17A	56-71	71	65.03	5.97	0.7	2.2	0.1	0.2		0.000
MW-17B	94-104	104	64.07	39.93	1.1	3.2	0.4	1.2	1357	0.358
MW-17C	172-182	182	73.54	108.46	1.9	5.6	1.1	3.3	2177	0.575
MW-18A	56-71	71	26.97	44.03	0.7	2.2	0.4	1.3	1082	0.286
MW-18B	90-100	100	26.95	73.05	1.0	3.1	0.7	2.2	1319	0.348
MW-18C	146-161	161	28.94	132.06	1.6	4.9	1.3	4.0	1899	0.502
MW-19	56-71	71	69.38	1.62	0.7	2.2	0.0	0.0		0.000
MW-20A	75-90	90	67.35	22.65	0.9	2.8	0.2	0.7	1262	0.333
MW-20B	122-132	132	67.69	64.31	1.3	4.0	0.7	2.0	1633	0.431
MW-20C	180-190	190	77.9	112.1	1.9	5.8	1.1	3.4	2193	0.579
MW-21	64-79	79	49.86	29.14	0.8	2.4	0.3	0.9	1158	0.306
MW-22	74-89	89	61.81	27.19	0.9	2.7	0.3	0.8	1253	0.331
MW-23B	87-97	97	28.33	68.67	1.0	3.0	0.7	2.1	1291	0.341
MW-23C	145-160	160	31.08	128.92	1.6	4.9	1.3	3.9	1946	0.514
MW-23D	175-185	185	31.85	153.15	1.9	5.7	1.6	4.7	2184	0.577
								58.2		
OW1A	63-78	78								
OW1B	110-120	120								
OW2	60-80	80								
OW3	63-83	83								
OW4A	50-70	70								
OW4B	112-122	122								
OW5	30-50	50								
OW6	38-58	58								
OW7	71-91	91								
OW8	60-80	80								
OW8B										

.0102 gal per feet of line

Note for MW12 to MW23D - line depth is 1 feet above bottom of screen for all shallow wells. Line depth is mid screen for all others.

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW18A
Date of Field Visit: 3/9/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: Y4N90

Screened Interval: 56-71
Static WL: 36.66
Line Depth: 34.35
Gal/ft line 0.0102 gal
System Volume: 0.35
3 System Volumes: 1.05
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1214	pump	on						
1216	36.66	21.35	2.20	2.43	7.43	134	92.9	
1218	36.66	21.13	2.47	2.10	7.22	138	101	
1220	36.66	21.12	2.46	2.38	7.14	139	62.2	
1222	36.66	21.10	2.39	2.40	7.13	139	47.0	
1224	36.66	21.12	2.33	2.33	7.16	138	39.6	
1225	collect	sample						

Final SWL: 36.66
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW18B
Date of Field Visit: 3/9/09
Field Staff: Gallos
Ockerman
R9 Sample ID:
CLP Sample ID: 44N89

Screened Interval: 90-100
Static WL: 36.60
Line Depth: 103.4
Gal/ft line 0.0102 gal
System Volume: 0.647
3 System Volumes: 1.94
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1152	pump on							
1154	36.60	20.83	2.02	3.79	7.73	83	41.3	
1156	36.61	21.02	2.25	2.58	7.55	101	16.3	
1159	36.60	21.05	2.29	2.63	7.39	112	23.4	
1201	36.60	21.26	2.30	2.60	7.36	115	26.3	
1203	36.61	21.04	2.30	2.59	7.34	119	24.6	
1205	collect	sample						

Final SWL: 36.59
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW18C
Date of Field Visit: 3/9/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: Y4N91

Screened Interval: 146-161
Static WL: 38.68
Line Depth: 122.32
Gal/ft line 0.0102 gal
System Volume: 1.248
3 System Volumes: 3.74
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1238	pump	on						
1243	38.94	21.48	0.759	2.25	7.30	114	34.2	
1245	38.98	20.98	1.281	0.63	7.07	-19	27.2	
1247	39.00	20.92	1.198	0.58	7.19	-1	20.6	
1249	38.91	20.90	1.048	0.46	7.27	5	17.2	
1252	38.88	20.93	0.910	0.32	7.36	7	13.5	
1256	38.95	20.88	0.856	0.29	7.40	12	9.7	
1259	38.96	20.83	0.846	0.27	7.42	15	7.1	
1301	38.95	20.85	0.840	0.25	7.43	17	5.2	
1305	collect sample							

Final SWL: 38.73
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW19
Date of Field Visit: 3/2/09
Field Staff: J Gailes
J Ackerman
R9 Sample ID:
CLP Sample ID: 94N54

Screened Interval: 56-71
Static WL: 73.97
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Bailer

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1230	collect sample							
	only enough for 2 VOAs							

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW20A
Date of Field Visit: ~~3/10/09~~ 3/12/09
Field Staff: Gaules
Ockerman
R9 Sample ID:
CLP Sample ID: [redacted] 44NA9

Screened Interval: 75-90
Static WL: ~~81.95~~ 81.95
Line Depth: ~~8.05~~ 8.05
Gal/ft line 0.0102 gal ~~D~~
System Volume: ~~0.082~~ 0.082
3 System Volumes: ~~0.24~~ 0.24
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1332	pump	on						
1335	81.95	24.31	1.62	4.58	7.50	73	52.0	
1338	81.95	22.02	1.66	2.66	7.16	100	92.4	
1341	81.95	21.96	1.66	2.58	7.10	105	67.5	
1345	collect	sample						

Final SWL: _____
Total Vol.: _____

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW20B
Date of Field Visit: 3/10/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: Y4N95

Screened Interval: 122-132
Static WL: 82.50
Line Depth: 49.50
Gal/ft line 0.0102 gal
System Volume: 0.5
3 System Volumes: 1.51
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1030	pump on							
1034	82.50	23.01	1.418	4.80	7.13	106	66.0	
1039	82.50	23.25	1.51	3.57	7.06	120	39.0	
1042	82.50	23.02	1.53	3.11	7.06	123	38.5	
1047	82.50	22.55	1.53	2.77	7.07	127	37.1	
1055	collect	sample						

Final SWL: 82.50
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW20C
Date of Field Visit: 3/10/09
Field Staff: Galles
Delierman
R9 Sample ID:
CLP Sample ID: Y4N91

Screened Interval: 180-190
Static WL: 93.91
Line Depth: 96.09
Gal/ft line 0.0102 gal
System Volume: 0.98
3 System Volumes: 2.94
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1107	pump on							
1111	93.97	22.45	0.865	1.57	7.08	22	67.2	
1114	93.91	21.94	0.707	0.43	7.33	-109	58.0	
1117	93.91	21.87	0.775	0.30	7.42	-98	49.8	
1122	93.91	21.87	0.860	0.24	7.44	-86	43.0	
1126	93.91	21.85	0.870	0.25	7.45	-86	41.0	
1130	93.91	21.90	0.872	0.26	7.46	-87	40.0	
1135	collect sample							

Final SWL: 93.91
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW21
Date of Field Visit: 3/2/09
Field Staff: J Galles
J Ockerman
R9 Sample ID:
CLP Sample ID: Y4N55

Screened Interval: 64-79
Static WL: 67.5
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.1173
3 System Volumes: 0.3519
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1316	67.49	pump	on					
1318	67.49	21.25	1.219	2.62	6.96	116	28.9	
1321	67.48	20.31	1.494	4.94	6.84	121	38.9	
1324	67.48	20.32	1.52	4.98	6.85	126	20.5	
1327	67.49	20.29	1.52	4.90	6.84	130	17.3	
1330	collect	sample						

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW23A
Date of Field Visit: 3/12/09
Field Staff: Gailes
Ockerman
R9 Sample ID:
CLP Sample ID: 94NC10

Screened Interval: 35-55
Static WL: 39.38
Line Depth: 15.62
Gal/ft line 0.0102 gal
System Volume: 0.159
3 System Volumes: 0.48
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1211	PUMP	on						
1215	39.39	22.29	1.79	2.22	6.92	133	45.8	
1217	39.39	22.09	1.01	1.92	6.89	132	36.3	
1219	39.39	22.01	1.81	2.08	6.88	132	29.4	
1220	39.39	22.03	1.81	2.03	6.87	132	25.4	
1220	collect sample							

Final SWL: 39.38
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW23B
Date of Field Visit: 3/16/09
Field Staff: Gaules
Ackerman
R9 Sample ID:
CLP Sample ID: Y4NC3

Screened Interval: 87-97
Static WL: 40.96
Line Depth: 56.04
Gal/ft line 0.0102 gal
System Volume: 0.57
3 System Volumes: 1.71
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1054	pump on							
1056	41.72	21.73	1.57	0.51	7.38	65	51.6	
1058	41.50	21.53	1.353	0.71	7.26	-86	39.2	
1100	41.40	21.51	1.498	1.90	7.15	-74	25.9	
1102	41.42	21.54	1.56	2.39	7.12	-54	20.6	
1105	41.40	21.50	1.59	2.72	7.08	-42	13.6	
1106	41.40	21.55	1.60	2.82	7.09	-37	12.2	
1110	collect	sample						

Final SWL: 40.96
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW23C
Date of Field Visit: 3/16/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: Y4NC4 & Y4NC5

Screened Interval: 145-160
Static WL: 45.38
Line Depth: 114.62
Gal/ft line 0.0102 gal
System Volume: 1.169
3 System Volumes: 3.50
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1133	pump	on						
1134	45.74	22.17	1.500	2.55	7.41	103	82.2	
1138	45.76	21.49	1.429	1.55	7.16	107	53.4	
1140	45.76	21.45	1.417	1.64	7.12	108	42.3	
1144	45.76	21.43	1.419	1.45	7.11			
1146	45.76	21.40	1.428	1.05	7.14	106	25.6	
1149	45.76	21.37	1.439	1.00	7.14	103	21.0	
1150	collect	sample Y4NC4						
1155	collect	Y4NC5						

Final SWL: 45.38
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW23D
Date of Field Visit: 3/16/09
Field Staff: Galles, Ockerman
R9 Sample ID:
CLP Sample ID: 44NC2

Screened Interval: 175-185
Static WL: 46.26
Line Depth: 138.74
Gal/ft line 0.0102 gal
System Volume: 1.42
3 System Volumes: 4.25
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1010	pump on							
1011	46.43	21.54	2.00	1.16	7.30	74	30.9	
1015	46.44	21.33	1.63	1.17	7.24	81	19.2	
1018	46.45	21.25	1.68	1.47	7.26	92	11.5	
1023	46.45	21.26	1.76	1.42	7.25	102	3.2	
1027	46.45	21.30	1.76	1.37	7.24	105	0.9	
1030	46.45	21.33	1.74	1.32	7.22	107	1.2	
1034	46.45	21.36	1.75	1.29	7.22	108	1.2	
1040	collect	sample						

Final SWL: 46.27
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW24A
Date of Field Visit: 3/12/09
Field Staff: Galles, Akerman
R9 Sample ID:
CLP Sample ID: Y4NA7

Screened Interval: 50-70
Static WL: 46.42
Line Depth: 23.58
Gal/ft line 0.0102 gal
System Volume: 0.24
3 System Volumes: 0.72
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1149	pump	on						
1153	46.42	23.87	1.86	4.88	7.20	97	87.1	
1155	46.42	23.37	2.11	3.46	6.96	115	76.8	
1156	46.42	23.27	2.13	3.24	6.89	123	68.7	
1157	46.42	23.22	2.13	3.01	6.86	127	63.2	
1200	Collect	sample						
								Engine exhaust running ~15-20' away from well

Final SWL: 46.42
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW24B
Date of Field Visit: 3/12/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: Y4NA16

Screened Interval: 110-125
Static WL: 53.78
Line Depth: 71.22
Gal/ft line 0.0102 gal
System Volume: 0.726
3 System Volumes: 2.17
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1101	PUMP	ON						
1106	53.79	23.90	1.59	3.48	7.61	98	55.5	
1108	53.80	22.90	1.66	1.10	7.42	107	50.8	
1111	53.80	22.96	~~1.61~~ 1.61	~~1.06~~ 1.06	7.36	108	56.1	
1113	53.80	22.75	1.59	0.99	7.34	108	48.3	
1116	53.81	22.57	1.57	0.94	7.31	110	36.2	
1120	53.80	22.52	1.56	1.02	7.30	111	33.4	
1125	collect	sample						

Final SWL: 53.80
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW24C
Date of Field Visit: 3/16/09
Field Staff: Galles, Ackerman
R9 Sample ID:
CLP Sample ID: Y4NC1

Screened Interval: 140-160
Static WL: 53.91
Line Depth: 106.09
Gal/ft line 0.0102 gal
System Volume: 1.08
3 System Volumes: 3.25
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0908	PUMP	ON						
0910	53.91	22.70	1.390	3.16	7.47	97	5.3	
0913	53.91	22.33	1.399	3.32	7.22	122	24.7	
0917	53.91	22.31	1.400	3.30	7.24	109	15.2	
0919	53.91	22.36	1.407	3.24	7.21	112	13.5	
0922	53.91	22.35	1.415	3.13	7.21	115	13.3	
0925	collect	sample						

Final SWL: _____
Total Vol.: _____

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW24D
Date of Field Visit: 3/13/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: Y4NB8

Screened Interval: 173-178
Static WL: 54.36
Line Depth: 123.64
Gal/ft line 0.0102 gal
System Volume: 1.26
3 System Volumes: 3.78
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1322	pump on							
1324	56.70	23.29	1.52	2.55	7.58	55	57.0	
1326	58.07	22.95	1.52	0.57	7.51	18	48.3	
1328	61.50	22.57	1.52	0.29	7.50	-42	39.4	
1333	64.35	22.51	1.47	0.26	7.49	-125	30.6	
1337	66.70	22.54	1.423	0.23	7.46	-132	26.8	
1341	68.12	22.74	1.398	0.24	7.46	-117	24.9	
1345	collect	sample						

Final SWL: 62.55
Total Vol.:

1

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW25A
Date of Field Visit: 3/12/09
Field Staff: Gaules
Ockerman
R9 Sample ID:
CLP Sample ID: Y4NA4

Screened Interval: 45-65
Static WL: 51.50
Line Depth: 13.50
Gal/ft line 0.0102 gal
System Volume: 0.1377
3 System Volumes: 0.4
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0851	pump on							
0852	51.51	21.87	1.67	5.94	6.02	201	11.0	
0853	51.51	21.62	1.66	3.38	6.43	193	14.3	
0854	51.51	21.59	1.64	3.08	6.53	191	14.6	
0855	51.51	21.61	1.64	2.95	6.63	191	12.7	
0855	collect sample							

Final SWL: 51.51
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW25B
Date of Field Visit: 3/12/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: 94NA5

Screened Interval: 90-110
Static WL: 51.88
Line Depth: 58.12
Gal/ft line 0.0102 gal
System Volume: 0.59
3 System Volumes: 1.78
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0911	pump on							
0914	51.91	21.36	1.419	6.17	7.27	171	28.2	
0917	51.92	21.67	1.67	3.05	7.07	180	30.0	
0919	51.91	21.61	1.70	2.82	7.01	181	17.9	
0921	51.91	21.67	1.70	2.85	6.98	180	11.6	
0925	collect sample							

Final SWL: 51.91
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW25C
Date of Field Visit: 2/16/09
Field Staff: Gaules
Ockerman
R9 Sample ID:
CLP Sample ID: 94NCO

Screened Interval: 140-150
Static WL: 54.10
Line Depth: 95.9
Gal/ft line 0.0102 gal
System Volume: 0.98
3 System Volumes: 2.93
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0819	PUMP	ON						
0822	54.57	21.58	0.504	3.08	7.63	162	9.5	
0824	54.91	21.42	0.422	0.56	7.68	159	4.8	
0828	55.45	21.41	0.420	0.38	7.72	157	1.4	
0830	55.60	21.41	0.419	0.36	7.72	154	0.4	
0832	55.82	21.42	0.419	0.34	7.74	152	0.0	
0835	56.03	21.43	0.420	0.34	7.75	149	0.0	
0835	collect	sample						

Final SWL: 55.40
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW25D
Date of Field Visit: ~~3/12/09~~ 3/16/09
Field Staff: Galles, Ockerman
R9 Sample ID:
CLP Sample ID: ~~[illegible]~~ Y4NB9

Screened Interval: 194-209
Static WL: ~~[illegible]~~ 60.89
Line Depth: ~~[illegible]~~ 148.11
Gal/ft line 0.0102 gal
System Volume: ~~[illegible]~~ 1.51
3 System Volumes: ~~[illegible]~~ 4.53
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0745 ~~0747~~	pump on							
0746	60.89	21.40	0.520	4.89	6.26	196	18.2	
0750	60.91	21.37	0.712	1.98	6.80	179	9.0	
0754	60.91	21.48	0.681	1.69	7.05	174	3.0	
0757	60.92	21.47	0.675	2.09	7.22	172	1.7	
0759	60.93	21.47	0.674	2.03	7.30	170	1.3	
0802	60.93	21.47	0.673	2.06	7.36	169	0.6	
0805	collect sample							

Final SWL: 61.00
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW26A
Date of Field Visit: 3/13/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: Y4NB1

Screened Interval: 70-90
Static WL: 82.42
Line Depth: 7.58
Gal/ft line 0.0102 gal
System Volume: 0.077
3 System Volumes: 0.23
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0822	pump on							
0823	82.45	21.25	1.87	4.79	6.94	192	8.8	
0824	82.45	21.45	1.87	4.09	6.89	191	6.5	
0827	82.45	21.51	1.88	3.76	6.85	189	7.9	
0829	82.45	21.48	1.88	3.80	6.85	188	9.5	
0830	collect sample							

Final SWL: 82.43
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW26B
Date of Field Visit: 7/13/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: 44NB0

Screened Interval: 105-120
Static WL: 82.64
Line Depth: 87.36
Gal/ft line 0.0102 gal
System Volume: 0.38
3 System Volumes: 1.14
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0747	pump	on						
0749	82.64	21.01	1.50	6.03	6.29	208	29.6	
0751	82.64	21.38	1.79	3.01	6.52	207	25.6	
0753	82.64	21.42	1.82	3.06	6.606	206	41.4	
0755	82.63	21.58	1.83	3.06	6.78	204	24.2	
0757	82.63	21.61	1.82	2.76	6.80	202	19.7	
0800	collect	sample						

Final SWL: 82.64
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW26C
Date of Field Visit: 3/13/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: Y4NB3 & Y4NB4

Screened Interval: 145-160
Static WL: 88.73
Line Depth: 71.27
Gal/ft line 0.0102 gal
System Volume: 0.727
3 System Volumes: 2.18
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1043	PUMP	ON						
1045	89.20	22.02	1.205	2.07	7.73	80	139	
1048	89.21	21.76	1.419	2.27	7.25	84	65.4	
1050	89.22	21.78	1.444	2.27	7.16	86	56.5	
1052	89.23	21.79	1.454	2.22	7.08	89	49.1	
1054	89.23	21.77	1.460	2.15	7.06	91	46.3	
1100	collect Y4NB3							
1110	collect Y4NB4							

Final SWL: 88.79
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW26D
Date of Field Visit: 3/13/09
Field Staff: Gaules
Ockerman
R9 Sample ID:
CLP Sample ID: Y4NB2

Screened Interval: 185-205
Static WL: 87.61
Line Depth: 117.39
Gal/ft line 0.0102 gal
System Volume: 1.197
3 System Volumes: 3.59
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1016	PUMP ON							
1017	87.70	21.81	0.435	5.96	8.08	59	2.4	
1020	87.74	21.82	0.415	0.88	8.12	-29	6.7	
1022	87.75	21.12	0.476	0.50	7.95	-40	12.6	
1024	87.76	21.74	0.474	0.40	7.86	-41	1.3	
1026	87.76	21.75	0.474	0.35	7.82	-44	1.6	
1028	87.76	21.73	0.473	0.34	7.80	-51	0.0	
1030	87.78	21.74	0.473	0.29	7.74	-56	0.0	
1032	87.78	21.74	0.473	0.31	7.76	-60	0.0	
1035	collect sample							

Final SWL: 87.616
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW27A
Date of Field Visit: 3/11/09
Field Staff: Gaules
Ackerman
R9 Sample ID:
CLP Sample ID: Y4NA2

Screened Interval: 110-115
Static WL: 88.05
Line Depth: 26.95
Gal/ft line 0.0102 gal
System Volume: 0.27
3 System Volumes: 0.82
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1144	PUMP	ON						
1146	88.05	21.84	1.494	6.73	7.77	48	32.0	
1148	88.06	22.49	1.67	5.04	7.51	68	18.5	
1150	88.06	22.56	1.98	2.66	7.07	64	17.0	
1153	88.06	22.39	2.04	1.72	6.90	50	19.1	
1155	88.06	22.41	2.05	1.41	6.87	45	20.8	
1155	collect	sample						

Final SWL: 88.05
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW27B
Date of Field Visit: 3/11/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: Y4NA1

Screened Interval: 144-164
Static WL: 87.99
Line Depth: 76.01
Gal/ft line 0.0102 gal
System Volume: 0.775
3 System Volumes: 2.3
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1101	pump	on						
1105	88.00	19.59	1.183	7.46	7.93	77	32.7	
1113	87.99	22.43	1.396	~~1.72~~	7.59	-30	6.4	
1119	88.02	22.61	1.60	0.49	7.26	-112	12.4	
1125	87.99	22.55	1.62	0.40	7.23	-123	11.8	
1125	collect	sample						

Final SWL: 87.99
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW27C
Date of Field Visit: 3/13/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: Y4NB6

Screened Interval: 180-190
Static WL: 103.32
Line Depth: 86.68
Gal/ft line 0.0102 gal
System Volume: 0.884
3 System Volumes: 2.65
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1221	pump	on						
1223	103.85	22.68	0.847	3.91	7.51	-53	14.0	
1227	104.05	22.81	0.893	0.39	7.41	-168	9.2	
1230	104.85	22.99	0.891	0.26	7.54	-184	3.7	
1232	104.88	23.02	0.894	0.25	7.56	-185	3.2	
1235	104.88	23.04	0.924	0.23	7.59	-187	3.1	
1240	collect	sample						

Final SWL: 103.72
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW27D
Date of Field Visit: ~~3/12/09~~ 3/13/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: ~~[illegible]~~ 94N855

Screened Interval: 200-210
Static WL: 102.67
Line Depth: 107.33
Gal/ft line 0.0102 gal
System Volume: 1.094
3 System Volumes: 3.28
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1136	pump	on						
1137	102.68	22.85	0.833	6.62	7.74	83	65.0	
1140	102.68	22.76	0.836	3.62	7.53	-113	40.3	
1146	102.69	22.89	0.857	0.92	7.55	-188	29.9	
1148	102.69	22.92	0.858	0.77	7.56	-194	29.7	
1152	102.69	22.93	0.856	0.64	7.57	-201	21.8	
1156	102.69	22.93	0.856	0.59	7.56	-204	22.9	
1159	102.70	22.91	0.855	0.43	7.57	-210	26.9	
1202	102.72	23.04	0.854	0.39	7.57	-214	29.7	
1207	102.72	23.22	0.857	0.30	7.57	-219	20.0	
1210	collect sample							

Final SWL: 102.67
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW22
Date of Field Visit: 3/3/09
Field Staff: Gaines, Ackerman
R9 Sample ID:
CLP Sample ID: Y4N56

Screened Interval: 74-89
Static WL: 81.62
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.075
3 System Volumes: 0.2258
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0758	81.62	pump on						
0759	81.62	18.96	1.241	7.87	6.26	118	4.2	
0802	81.62	20.27	1.309	6.98	6.53	120	9.4	
0805	81.62	20.07	1.442	5.54	6.69	132	9.7	
0808	81.62	20.06	1.447	5.31	6.74	134	12.4	
0810	collect sample							

Final SWL: _____
Total Vol.: _____

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW29
Date of Field Visit: 3/9/09
Field Staff: Galles
Ockerman
R9 Sample ID:
CLP Sample ID: Y4N87

Screened Interval: 90-110
Static WL: 86.69
Line Depth: 23.31
Gal/ft line 0.0102 gal
System Volume: 0.238
3 System Volumes: 0.713
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0924	pump on							
0928	86.68	19.95	1.90	7.04	7.30	121	6.7	
0930	86.68	21.10	1.95	5.14	7.20	131	8.1	
0933	86.68	20.32	1.99	4.79	7.14	140	11.9	
0935	86.68	19.63	2.03	4.21	7.09	147	14.2	
0940	collect sample							

Final SWL: 86.68
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW28
Date of Field Visit: 3/9/09
Field Staff: Galles
Ackerman
R9 Sample ID:
CLP Sample ID: 44N88

Screened Interval: 85-105
Static WL: 84.45
Line Depth: 20.55
Gal/ft line 0.0102 gal
System Volume: 0.209
3 System Volumes: 0.629
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1026	pump	on						
1031	84.46	17.97	1.53	7.47	7.74	108	1.2	
1033	84.46	18.48	1.55	7.21	7.69	116	2.0	
1035	84.46	18.77	1.62	6.03	7.56	127	1.0	
1037	84.46	18.95	1.69	5.35	7.41	135	0.8	
1039	84.46	19.13	1.73	4.44	7.22	143	0.2	
1041	84.46	19.15	1.74	3.86	7.07	148	0.0	
1045	collect	sample						

Final SWL: 84.46
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW30
Date of Field Visit: 3/9/09
Field Staff: Gaules
Ackerman
R9 Sample ID:
CLP Sample ID: Y4N85 & Y4N86

Screened Interval: 95-115
Static WL: 98.23
Line Depth: 116.77
Gal/ft line 0.0102 gal
System Volume: 0.17
3 System Volumes: 0.51
Sampling Equipment: Dedicated Bladder Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0740	pump	on						
0742	98.22	21.00	1.323	1.98	6.44	199	14.0	
0744	98.22	20.54	1.315	1.90	6.68	197	10.2	
0746	98.22	20.66	1.318	1.83	6.85	196	4.8	
0748	98.22	20.73	1.346	1.71	7.02	192	8.1	
0750	collect	Y4N85						
0755	collect	Y4N86						

Final SWL: 98.22
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW8
Date of Field Visit:
Field Staff:

R9 Sample ID:
CLP Sample ID:

Screened Interval: 60-80
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW8B
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 116-126
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW7
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 71-91
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW6
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 38-58
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW5
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 30-50
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW4B
Date of Field Visit:
Field Staff:

R9 Sample ID:
CLP Sample ID:

Screened Interval: 112-122
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW4A
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 50-70
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW3
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 63-83
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW2
Date of Field Visit:
Field Staff:

R9 Sample ID:
CLP Sample ID:

Screened Interval: 60-80
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW1B
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 110-120
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: OW1A
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 63-78
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch SST Grundfos Pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

Appendix A.2
3Q2009 Well Purge Forms

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW1A
Date of Field Visit: 9/11/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y42G0

Screened Interval: 45-60 feet bgs
Static WL: 46.70
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.135
3 System Volumes: 0.406
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1604	46.70	24.80	1.310	3.10	6.87	135	72.4	
1606	46.71	23.68	1.337	2.70	6.81	138	68.0	
1608	46.71	23.62	1.338	2.64	6.80	139	59.5	
1610	46.70	23.14	1.338	2.63	6.79	141	54.1	
1612	46.70	23.10	1.337	2.61	6.79	142	46.6	
1614	46.70	23.12	1.337	2.63	6.79	144	36.1	
1617	46.70	23.10	1.337	2.61	6.79	144	30.5	

Final SWL: 46.71
Total Vol.: 5.5 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW1B
Date of Field Visit: 9/11/09
Field Staff: R Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZF9

Screened Interval: 75-85 feet bgs
Static WL: 46.57
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.391
3 System Volumes: 1.175
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1536	46.68	24.50	1.112	2.92	7.43	102	79.5	
1539	46.70	23.13	1.238	2.97	6.99	116	83.1	
1541	46.71	23.03	1.236	2.92	6.95	124	72.3	
1543	46.71	22.90	1.239	2.90	6.93	132	51.4	
1545	46.72	22.88	1.239	2.90	6.92	136	44.2	

Final SWL: 46.57
Total Vol.: 6.5 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW2
Date of Field Visit: 9/14/09
Field Staff: R. Hernandez, H. Tsang
R9 Sample ID:
CLP Sample ID: Y4362

Screened Interval: 45-60 feet bgs
Static WL: 42.71'
Line Depth: 47.29
Gal/ft line 0.0102 gal
System Volume: 0.176
3 System Volumes: 0.529
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
747	42.71	22.53	1.72	3.49	6.50	243	41.9	
749	42.73	22.55	1.77	3.07	~~3.963~~	236	69.8	
751	42.72	22.55	1.77	2.98	6.65	237	81.9	
754	42.71	22.56	1.77	2.97	6.66	235	69.4	
756	42.71	22.58	1.77	2.94	6.66	234	61.5	
758	42.71	22.57	1.77	2.96	6.67	233	49.2	

Final SWL: 42.71
Total Vol.: 3.8 L

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW3
Date of Field Visit: 9/11/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZF8

Screened Interval: 38-48 feet bgs
Static WL: 38.71'
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.094
3 System Volumes: 0.284
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
~~1445~~	~~38.76~~	~~26.61~~	~~1.53~~	~~2.34~~	~~7.28~~	~~6.94~~		
1444	38.77	25.23	1.57	1.23	6.76	120	67.9	
1446	38.82	24.91	1.57	0.86	6.74	120	65.4	
1448	38.83	24.66	1.57	0.71	6.73	119	56.6	
1450	38.83	24.56	1.58	0.57	6.72	118	47.2	
1452	38.81	24.41	1.59	0.52	6.72	117	43.6	
1454	38.82	24.39	1.59	0.48	6.71	117	38.1	
1457	38.83	24.14	1.61	0.42	6.71	116	33.2	

Final SWL: 38.74'
Total Vol.: 1 GALLON

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW4A
Date of Field Visit: 9/4/09
Field Staff: Y. Zaian, H. Jung
R9 Sample ID:
CLP Sample ID: Y4EC8

Screened Interval: 43-53 feet bgs
Static WL: 37.20
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
911	37.19	23.75	2.01	3.01	6.83	202	51.4	
913	37.20	24.23	2.01	2.53	6.77	203	43.0	
915	37.16	24.21	2.01	2.25	6.76	203	33.6	
917	37.19	24.08	2.01	2.14	6.76	203	29.5	
919	37.19	24.03	2.01	2.12	6.76	203	22.7	
921	37.19	24.01	2.01	2.11	6.75	203	18.7	

Final SWL: 37.19(ft)
Total Vol.: 3.5 l

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW4B
Date of Field Visit: 9/4/09
Field Staff: M. Palma H. Jung
R9 Sample ID:
CLP Sample ID: Y47C7

Screened Interval: 70-80 feet bgs
Static WL: 37.10(4)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
941	37.12	23.47	1.81	3.45	7.08	192	110	
843	37.11	22.25	2.29	1.26	6.26	202	167	
845	37.11	22.19	2.29	0.95	6.74	205	91.2	
847	37.12	22.14	2.28	0.74	6.72	205	43.3	
849	37.11	22.14	2.28	0.68	6.72	205	39.9	
851	37.12	22.15	2.27	0.62	6.72	205	28.9	
853	37.12	22.20	2.27	0.59	6.72	204	25.4	

Final SWL: 37.11(4)
Total Vol.: 10L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW4C
Date of Field Visit: 9/4/09
Field Staff: M. Palm H. Jung
R9 Sample ID:
CLP Sample ID: YUZC6

Screened Interval: 89-99 feet bgs
Static WL.: 40.44 (-7)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
908	40.46	22.90	1.136	3.19	6.41	215	23.6	
910	40.47	22.40	1.162	3.62	6.59	215	24.5	
912	40.46	22.39	1.167	3.69	6.79	214	29.1	
914	40.48	22.24	1.165	3.61	6.93	214	27.1	
916	40.45	22.20	1.167	3.60	6.86	213	21.2	
918	40.46	22.15	1.169	3.57	6.88	213	18.9	
920	40.48	22.10	1.167	3.54	6.89	213	15.7	
922	40.47	22.09	1.162	3.49	6.90	212	10.1	

Final SWL: 40.45 (-4)
Total Vol.: 3.2 l

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW5
Date of Field Visit: 9/4/09
Field Staff: M. Palan . H. Jung
R9 Sample ID:
CLP Sample ID: Y4ED1

Screened Interval: 43-53 feet bgs
Static WL: 40.99 (4)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1044	41.00	24.29	1.73	1.98	6.91	156	113	
1046	40.99	24.68	1.74	1.91	6.87	160	105	
1048	40.99	24.72	1.75	1.92	6.86	166	98.3	
1050	40.99	24.69	1.75	1.89	6.85	169	92.9	
1052	41.00	24.59	1.75	1.93	6.85	171	89.9	
1054	40.98	24.45	1.75	1.80	6.84	174	59.9	

Final SWL: 40.99 (4)
Total Vol.: 2 L

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW6
Date of Field Visit: 9/4/09
Field Staff: M. Palm ; H Jung
R9 Sample ID:
CLP Sample ID: Y4ZD2

Screened Interval: 37-47 feet bgs
Static WL: 41.90
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1135	41.90	25.57	1.56	3.85	7.01	160	52.7	
1137	41.90	25.42	1.58	3.72	6.99	161	50.1	
1139	41.90	25.19	1.59	3.64	6.96	164	46.1	
1141	41.90	25.04	1.60	3.54	6.94	166	44.7	
1143	41.90	24.96	1.60	3.51	6.93	167	36.3	
1145	41.91	24.95	1.61	3.47	6.92	168	32.5	
1147	41.91	25.07	1.61	3.41	6.91	169	25.6	

Final SWL: 41.90
Total Vol.: 2.1 l

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW7
Date of Field Visit: 9/10/2009
Field Staff: M. Palm
H. Jung
R9 Sample ID:
CLP Sample ID: Y43A1

Screened Interval: 36-46 feet bgs
Static WL: 31.65
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0746	31.65	25.69	2.21	4.44	6.64	215	12.6	
0802	31.64	24.63	2.27	1.84	6.60	166	0.0	
0809	31.65	24.65	2.22	1.81	6.60	162	0.0	
0815	31.65	24.63	2.27	1.78	6.60	158	0.0	
0816	31.65	24.61	2.28	1.74	6.60	154	0.0	
0819	31.65	24.59	2.27	1.72	6.60	150	0.0	
0821	31.65	24.61	2.27	1.70	6.60	148	0.0	
0824	31.65	24.70	2.27	1.67	6.61	145	0.0	
0827	31.65	24.30	2.27	1.65	6.61	142	0.0	

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW8A
Date of Field Visit: 9/21/09
Field Staff: M. Tabor, H. Tung
R9 Sample ID:
CLP Sample ID:

Screened Interval: 30-45 feet bgs
Static WL: Dry
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW8B
Date of Field Visit: 9/03/09
Field Staff: mike patan & Hun Jung
R9 Sample ID:
CLP Sample ID: Y4ZC4

Screened Interval: 65-75 feet bgs
Static WL: 42.40 (ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1225	42.43	24.26	1.65	5.11	6.93	\	\	reman Battery for MP20
1253	42.40	24.21	1.62	5.14	5.25	155	42.8	
1256	42.40	24.74	1.62	4.98	6.91	157	63.4	
1259	42.40	24.26	1.62	4.91	6.99	159	58.0	
1201	42.40	24.19	1.62	4.77	6.88	160	54.3	
1203	42.41	24.22	1.62	4.76	6.89	160	46.0	
1205	42.40	24.23	1.62	4.68	6.88	161	42.3	

Final SWL: 42.40 ft
Total Vol.: 6 L

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW8C
Date of Field Visit: 9/3/09
Field Staff: mike palon, Hun Fung
R9 Sample ID:
CLP Sample ID: Y4ZG3

Screened Interval: 87-92 feet bgs
Static WL: 43.99 (ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1150	44.23	23.58	1.54	1.86	7.01	152	85.5	
1153	44.14	23.54	1.63	2.37	6.96	152	80.0	
1155	44.10	23.48	1.65	2.65	6.94	152	70.7	
1157	44.10	23.47	1.69	2.94	6.93	152	62.5	
1159	44.11	23.44	1.70	3.08	6.92	152	55.6	
1201	44.10	23.50	1.71	3.38	6.92	152	49.2	
1203	44.10	23.43	1.71	3.39	6.91	152	40.1	
1205	44.12	23.41	1.71	3.44	6.91	152	37.3	

Final SWL: 44.09 (ft)
Total Vol.: 6 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW8D
Date of Field Visit: 9/3/09
Field Staff: Mike Palm, Hien Tung
R9 Sample ID:
CLP Sample ID: Y4ZC2

Screened Interval: 110-120 feet bgs
Static WL: 52.75
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1108	52.90	23.24	1.131	2.84	7.62	126	80.1	
1112	52.87	22.95	1.221	1.33	7.39	130	68.1	
1115	52.88	22.82	1.224	1.04	7.36	129	61.7	
1118	52.84	22.74	1.224	0.91	7.35	129	51.6	
1121	52.85	22.68	1.223	0.91	7.35	129	40.5	
1123	52.86	22.64	1.223	0.89	7.35	129	35.6	
1126	52.87	22.73	1.223	0.87	7.34	129	29.5	

Final SWL: 52.81
Total Vol.: 10.4 l

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW9A
Date of Field Visit: 9/9/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID:

Screened Interval: 25-35 feet bgs
Static WL: dry (35ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
								it is dry. No sample

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW9B
Date of Field Visit: 9/9/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZE1

Screened Interval: 50-60 feet bgs
Static WL: 49.41
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.108
3 System Volumes: 0.324
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0754	49.46	21.32	1.81	2.63	6.66	221	0.0	
0755	49.47	21.30	1.81	2.62	6.71	213	0.0	
0757	49.49	21.29	1.81	2.61	6.73	209	0.0	
0758	49.48	21.30	1.81	2.62	6.74	202	0.0	
0800	49.50	21.29	1.81	2.63	6.74	197	0.0	

Final SWL: 49.45
Total Vol.: 8 L

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Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW10
Date of Field Visit: 09/02/09
Field Staff: M. Dalom, H. Tsang
R9 Sample ID:
CLP Sample ID: Y47B3

Screened Interval: 52-62 feet bgs
Static WL: 47.80
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0916	47.80	23.18	2.03	5.16	7.15	147	72.3	
0920	47.78	22.91	2.21	4.62	6.98	152	67.0	
0922	47.80	22.82	2.23	4.10	6.92	154	49.6	
0923	47.81	22.78	2.23	3.91	6.89	155	40.9	
0924	47.83	22.76	2.24	3.89	6.84	156	42.6	
0926	47.84	22.75	2.17	4.09	6.88	154	37.8	
0927	47.84	22.76	2.09	4.50	6.91	156	31.9	
0930	47.86	22.74	2.06	4.80	6.92	156	28.4	

Final SWL: 47.82
Total Vol.: 7L

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Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW11
Date of Field Visit: 9/2/09
Field Staff: M. Palan, H. Jung

R9 Sample ID:
CLP Sample ID:

Screened Interval: 40-50 feet bgs
Static WL: 43.32 (44)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

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Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW12
Date of Field Visit: 9/14/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZG8

Screened Interval: 82-97
Static WL: 89.81
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.073
3 System Volumes: 0.22
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1241	89.81	24.28	1.161	3.39	7.25	97	43.3	Use Passive Sampling Method
1243	89.82	22.58	1.214	1.74	7.01	-84	52.0	
1244	89.82	22.42	1.217	0.93	6.99	-91	52.0	
1245	89.99	22.30	1.197	0.58	6.94	-151	48.0	
1246	90.45	22.27	1.194	0.50	6.93	-154	47.0	
1247	92.91	22.28	1.195	0.42	6.92	-158	40.9	
~~1249~~								

Final SWL: 92.78
Total Vol.: 5.1 l

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Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW13A
Date of Field Visit: 4-14-2009
Field Staff: ROBERT HERNANDEZ
HUN JONG
R9 Sample ID:
CLP Sample ID:

Screened Interval: 56-66
Static WL: 69.89'
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
								70.80 BOTTOM OF WELL
								NOT ENOUGH WATER TO
								BAIL & GET SAMPLE

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW13B
Date of Field Visit: 9/14/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZG9

Screened Interval: 123-133
Static WL: 98.27'
Line Depth: 34.73
Gal/ft line 0.0102 gal
System Volume: 0.354
3 System Volumes: 1.063
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1409	98.27	23.83	1.56	3.82	7.57	63	55.6	
1412	98.27	22.72	1.54	2.71	7.23	77	56.0	
1414	98.28	22.60	1.500	2.59	7.15	82	47.9	
1416	98.27	22.51	1.490	2.60	7.11	83	43.8	
1418	98.27	22.54	1.500	2.52	7.09	86	37.2	
1420	98.27	22.52	1.500	2.54	7.08	87	31.7	
1422	98.27	22.53	1.500	2.53	7.07	88	26.6	

Final SWL: 98.27
Total Vol.: 5L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW14
Date of Field Visit: 9/14/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZG3

Screened Interval: 60-75
Static WL: 58.18
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.171
3 System Volumes: 0.514
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
835	58.18	23.76	1.63	3.58	6.93	202	0.0	
837	58.20	23.56	1.65	2.79	6.79	211	0.0	
839	58.20	23.36	1.65	2.49	6.75	213	0.0	
841	58.19	23.48	1.65	2.49	6.73	214	0.0	
843	58.19	23.62	1.64	2.44	6.73	214	0.0	
845	58.19	23.65	1.64	2.39	6.73	214	0.0	
847	58.19	23.42	1.64	2.30	6.72	214	0.0	

Final SWL: 58.19
Total Vol.: 4.2 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW15
Date of Field Visit: 9/4/09
Field Staff: M. Zahn H. Jung
R9 Sample ID:
CLP Sample ID: Y47C9, Y47D0

Screened Interval: 50-70
Static WL: 37.75 (4)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
954	37.75	23.89	1.123	1.93	6.97	39	143	
956	37.76	24.20	1.23	1.35	6.94	68	110	
959	37.75	24.13	1.27	1.67	6.93	91	82.2	
1001	37.75	24.11	1.27	1.65	6.83	99	39.9	
1003	37.76	24.05	1.30	1.61	6.83	105	59.2	
1005	37.76	23.97	1.25	1.58	6.82	114	45.9	

Final SWL: 37.75 (4)
Total Vol.: 3 l

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW16A
Date of Field Visit: ~~ROBERT HERNANDEZ~~ 9/8/04
Field Staff: ROBERT HERNANDEZ

R9 Sample ID:
CLP Sample ID:

Screened Interval: ~~45-60~~ (55-72)
Static WL: DRY
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL:
Total Vol.:

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Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW16B
Date of Field Visit: 9/8/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4Z04

Screened Interval: 106-116
Static WL: 67.35
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.496
3 System Volumes: 1.49
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
~~826~~	~~67.33~~	~~20.5~~	~~1.65~~	~~2.20~~	~~6.95~~	~~218~~	~~54.3~~	
828	67.35	21.70	1.65	2.06	6.95	217	40.7	
830	67.35	21.63	1.65	2.12	7.00	215	42.5	
832	67.34	21.67	1.65	2.12	7.02	213	38.5	
834	67.34	21.69	1.65	2.13	7.03	211	32.0	
836	67.34	21.68	1.65	2.14	7.05	210	25.9	
838	67.34	21.70	1.66	2.14	7.05	209	22.2	
840	67.34	21.72	1.65	2.17	7.06	208	19.4	
842	67.34	21.74	1.66	2.18	7.06	207	16.2	

Final SWL: 67.36 (ft)
Total Vol.: 6 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW16C
Date of Field Visit: 9/8/09
Field Staff: R. Hernandez, Hun Jung
R9 Sample ID:
CLP Sample ID: Y4205

Screened Interval: 149-164
Static WL: 71.04
Line Depth:
Gal/ft line 0.0102 gal — System Volume = bottom of screened interval minus Static WL * Gal/ft line
System Volume: 0.948
3 System Volumes: 2.845
Sampling Equipment: Dedicated bladder pump

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
909	71.05	21.54	1.132	0.83	6.94	67	40.2	
911	71.05	21.52	1.139	0.75	6.94	25	28.9	
912	71.04	21.49	1.144	0.66	6.97	22	26.3	
914	71.05	21.51	1.147	0.60	7.01	13	10.9	
915	71.04	21.61	1.149	0.61	7.04	12	13.7	
916	71.04	21.57	1.152	0.60	7.06	10	6.4	
917	71.04	21.52	1.154	0.58	7.09	10	5.3	
920	71.04	21.51	1.154	0.57	7.10	11	3.7	

Final SWL: 71.04
Total Vol.: 5L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW17A
Date of Field Visit: 9/8/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: [redacted]

Screened Interval: 56-71
Static WL: 73.99
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Bailer

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
								Went dry after one Bailer (No sample collected.

Final SWL:
Total Vol.:

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Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW17B
Date of Field Visit: 9/8/09
Field Staff:
R9 Sample ID:
CLP Sample ID: Y4ZD6

Screened Interval: 94-104
Static WL: 82.91
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.215
3 System Volumes: 0.645
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1011	82.91	22.29	1.480	2.58	7.16	117	36.7	
1013	82.91	22.27	1.449	2.26	7.10	117	33.8	
1014	82.90	22.25	1.443	2.16	7.07	118	29.8	
1016	82.91	22.36	1.438	2.08	7.03	118	26.8	
1018	82.91	22.43	1.447	2.06	6.99	117	20.6	
1020	82.91	22.45	1.459	2.10	6.99	117	14.6	
1022	82.91	22.45	1.456	2.10	6.99	117	9.7	
1024	82.91	22.43	1.448	2.08	6.99	117	8.0	
1025	82.90	22.44	1.441	2.04	6.97	118	5.3	
1027	82.91	22.48	1.439	2.04	6.97	118	5.1	
1030	82.91	22.36	1.437	2.02	6.96	119	5.0	

Final SWL: 82.91
Total Vol.: 3.2 l

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW17C
Date of Field Visit: 9/8/09
Field Staff: R. Hernandez, Hun Jung
R9 Sample ID:
CLP Sample ID: Y4207, ~~Y4208~~

Screened Interval: 172-182
Static WL: 99.90
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.837
3 System Volumes: 2.512
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1103	~~99.98~~ 99.98	22.87	1.100	3.95	7.25	129	37.5	
1105	99.92	22.57	1.098	3.41	7.19	131	38.4	
1107	99.91	22.87	1.096	2.29	7.18	129	26.6	
1110	99.91	21.92	0.908	1.82	7.30	124	24.9	
1114	99.90	21.87	0.891	1.77	7.31	123	23.0	
1117	99.91	21.97	0.814	1.51	7.34	121	20.0	
1120	99.91	21.99	0.797	1.45	7.36	119	14.5	
1123	99.93	21.97	0.787	1.47	7.36	119	11.1	
1125	99.94	22.03	0.779	1.40	7.37	117	6.5	
1130	99.94	22.05	0.792	1.41	7.38	116	3.9	
1133	99.94	22.01	0.796	1.40	7.37	116	3.0	
1136	99.95	22.09	0.801	1.39	7.37	116	2.6	
1140	99.95	22.17	0.814	1.42	7.37	115	0.0	

Final SWL: 99.96 (ft)
Total Vol.: 11 L

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Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW18A
Date of Field Visit: 09/02/09
Field Staff: M. Dalin, H. Twist
R9 Sample ID:
CLP Sample ID: YHZR2

Screened Interval: 56-71
Static WL: 39.01
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0839	39.01	21.31	2.36	3.04	7.09	173	52.3	
0840	39.02	21.45	2.46	2.92	7.02	128	53.8	
0841	39.04	21.62	2.47	2.96	7.00	125	37.5	
0842	39.03	21.59	2.45	2.86	6.99	78	40.2	
0843	39.02	21.68	2.47	2.99	6.99	128	34.4	

Final SWL: 39.05
Total Vol.: 5.7L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW18B
Date of Field Visit: 9/2/09
Field Staff: M. Zahn
H. Tung
R9 Sample ID:
CLP Sample ID: Y48B1

Screened Interval: 90-100
Static WL: 39.06
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0810	39.08	21.71	2.26	2.51	7.26	174	16.1	
0812	39.08	21.66	2.31	2.69	7.20	177	14.8	
0813	39.09	21.64	2.32	2.58	7.15	178	12.5	
0814	39.10	21.63	2.34	2.64	7.12	178	10.4	
0816	39.09	21.61	2.34	2.59	7.11	178	8.9	
0817	39.10	21.60	2.34	2.62	7.10	178	7.6	
0819	39.10	21.58	2.35	2.53	7.10	178	5.9	

Final SWL: 39.10
Total Vol.: 5 l

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW18C
Date of Field Visit: 9/2/09
Field Staff: M. Palmer, T. Jung
R9 Sample ID:
CLP Sample ID: YU7E0

Screened Interval: 146-161
Static WL: 43.05
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated bladder pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0230	43.16	22.10	1.644	2.44	6.44	195	54.1	
0234	43.20	21.68	0.548	0.91	6.22	192	46.2	
0237	43.17	21.59	1.298	0.89	6.80	185	35.9	
0240	43.18	21.42	1.325	0.84	6.97	177	31.2	
0241	43.18	21.29	1.174	0.66	7.08	173	27.2	
0243	43.19	21.27	1.19	0.62	7.11	172	26.0	
0244	43.20	21.26	1.091	0.59	7.14	171	24.9	
0245	43.20	21.26	1.064	0.55	7.16	171	23.3	
0246	43.19	21.25	1.032	0.53	7.18	170	21.4	
0247	43.21	21.24	0.982	0.42	7.22	169	19.4	
0249	43.23	21.24	0.960	0.44	7.25	168	14.8	

Final SWL: 43.25
Total Vol.: 9L

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW19
Date of Field Visit: 9-11-09
Field Staff: ROBERT HERNANDEZ
HUN JUNG
R9 Sample ID:
CLP Sample ID:

Screened Interval: 56-71
Static WL: DRY
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Bailer

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
								WELL IS DRY
								GUAGED @ 74.48'
								☆ NO SAMPLES COLLECTED ☆
								NEED TO RETURN +
								INSTALL NEW LID BOLT
								ONE BOLT BROKE NEED TO
								DRILL OUT INSTALL NEW

Final SWL: DRY
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW20A
Date of Field Visit: 9/8/09
Field Staff: R. Hernandez H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZD8

Screened Interval: 75-90
Static WL: 84.92 (ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.05 l
3 System Volumes: 0.15 5
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1345	84.95	25.07	1.61	1.97	7.01	93	86.9	
1347	84.94	24.86	1.62	1.81	7.00	95	80.2	
1349	84.95	24.65	1.63	1.63	6.99	100	64.1	
1351	84.95	24.39	1.64	1.50	6.98	103	53.2	
1354	84.95	24.26	1.64	1.49	6.97	107	42.1	
1356	84.95	24.08	1.64	1.49	6.96	111	31.6	

Final SWL: 84.94 (ft)
Total Vol.: 2 L

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW20B
Date of Field Visit: 9/8/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y43D9

Screened Interval: 122-132
Static WL: 85.61 (ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.473
3 System Volumes: 1.419
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1424	85.61	23.69	1.433	1.99	7.11	118	72.3	
1426	85.61	24.22	1.434	1.80	7.10	119	69.3	
1428	85.62	24.67	1.426	1.79	7.12	121	53.2	
1430	85.61	24.41	1.428	1.83	7.11	122	56.8	
1432	85.61	23.05	1.427	1.81	7.10	123	56.8	
1434	85.62	22.71	1.426	1.76	7.09	123	51.2	
1436	85.61	22.71	1.425	1.72	7.09	122	43.9	
1438	85.61	22.71	1.421	1.73	7.09	122	39.7	

Final SWL: 85.61
Total Vol.: 8 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW20C
Date of Field Visit: 9/9/09
Field Staff: D. Hernandez H. Tsang

R9 Sample ID:
CLP Sample ID:

Screened Interval: 180-190 * well malfunction
Static WL:
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
								due to cracked airline
								No sample collected

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW21
Date of Field Visit: 9/11/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4Z77

Screened Interval: 64-79
Static WL: 71.30
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.078
3 System Volumes: 0.235
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1347	71.30	22.66	1.425	1.90	6.45	122	111	
1349	71.31	22.91	1.421	2.12	6.44	124	101	
1351	71.31	22.05	1.411	2.81	6.61	128	87.8	
1352	71.31	21.32	1.404	3.06	6.68	130	85.0	
1355	71.31	21.20	1.397	3.09	6.69	132	83.0	
1357	71.30	21.07	1.404	3.11	6.69	134	79.0	

Final SWL: ~~4.5 L~~ 71.31
Total Vol.: 4.5 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW22
Date of Field Visit: 9/11/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y47F46

Screened Interval: 74-89
Static WL: WL shallow under pump, SL can't pass to WL
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1253	-	21.61	1.348	5.36	6.96	116	215	
1255	-	21.49	1.338	3.82	6.84	117	228	
1257	-	21.40	1.330	3.65	6.76	121	198	
1300	-	21.52	1.329	3.67	6.75	122	149	
1302	-	21.52	1.328	3.68	6.74	124	108	
1304	-	21.54	1.328	3.70	6.74	125	91.5	
1306	-	21.56	1.327	3.68	6.74	127	67.0	
1308	-	21.50	1.328	3.70	6.73	129	103	
1312	-	21.50	1.326	3.69	6.74	131	47.8	

Final SWL:
Total Vol.: 8 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW23A
Date of Field Visit: 9/3/09
Field Staff: M. Palm, H. Jung
R9 Sample ID:
CLP Sample ID: Y4XC1

Screened Interval: 35-55
Static WL: 41.31 (FF)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1015	41.31	22.13	1.93	2.46	6.74	162	54.1	
1019	41.30	22.41	1.94	2.21	6.72	162	36.1	
1021	41.32	22.35	1.93	2.20	6.72	161	20.7	
1025	41.31	22.46	1.92	2.24	6.72	161	12.5	
1025	41.30	22.40	1.93	2.19	6.72	161	11.8	
1027	41.31	22.40	1.94	2.17	6.71	160	8.3	
1029	41.31	22.41	1.93	2.15	6.71	160	4.7	

Final SWL: 41.30(FF)
Total Vol.: 9 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW23B
Date of Field Visit: 9/3/9
Field Staff: M. Palm, H. Jung

R9 Sample ID:
CLP Sample ID: Y47C0

Screened Interval: 87-97
Static WL: 43.30 (ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
935	43.31	22.95	1.60	1.59	7.12	121	45.7	
937	43.48	22.75	1.53	1.24	7.09	120	42.1	
939	43.47	23.09	1.51	1.35	7.07	120	31.4	
941	43.45	23.19	1.51	1.43	7.07	120	26.2	
943	43.42	23.09	1.51	1.57	7.06	120	20.6	
945	43.42	23.13	1.51	1.70	7.05	121	15.3	
947	43.42	23.16	1.52	1.79	7.03	121	11.2	
949	43.43	23.26	1.55	1.87	7.02	122	7.4	
951	43.42	23.34	1.57	2.07	7.00	124	2.3	
953	43.43	23.29	1.58	2.25	6.99	125	0.0	
955	43.43	23.21	1.60	2.49	6.97	127	0.0	
957	43.42	23.12	1.61	2.66	6.96	129	0.0	

Final SWL: 43.43
Total Vol.: 4.5 l

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW23C
Date of Field Visit: 9/5/19
Field Staff: M. Palm ; H. Jeong
R9 Sample ID:
CLP Sample ID: Y4ZB9

Screened Interval: 145-160
Static WL: 49.35 (ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
845	49.35	22.43	1.524	0.92	7.22	-62	40.7	
857	49.48	22.43	1.430	0.66	7.15	-46	20.0	
900	49.50	22.32	1.50	1.36	6.92	19	44.0	
902	49.51	22.32	1.61	1.36	6.90	39	34.5	
904	49.52	22.32	1.61	1.35	6.90	46	32.2	
907	49.49	22.31	1.62	1.36	6.89	62	10.7	
910	49.50	22.32	1.62	1.38	6.89	71	5.2	
912	49.50	22.32	1.61	1.39	6.89	75	2.9	
915	49.50	22.31	1.61	1.35	6.88	78	3.2	

Final SWL: 49.49 (ft)
Total Vol.: 6.5 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW23D
Date of Field Visit: 9/5/19
Field Staff: K. Palm, H. Jung
R9 Sample ID:
CLP Sample ID: Y4787 Dup Y4788

Screened Interval: 175-185
Static WL: 50.40 (ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
0807	50.40	22.58	1.33	2.36	6.62	225	27.1	
0809	50.43	22.25	1.25	1.08	6.77	221	30.2	
0811	50.45	22.16	1.32	1.28	6.88	218	22.3	
0813	50.41	22.11	1.63	1.40	6.93	216	20.7	
0815	50.42	22.08	1.64	1.78	6.98	214	16.2	
0817	50.44	22.06	1.65	1.97	7.01	213	12.2	
0819	50.43	22.05	1.67	2.06	7.03	213	7.9	
0821	50.42	22.04	1.67	2.11	7.03	212	4.6	
0823	50.42	22.04	1.67	2.17	7.04	212	1.2	
0825	50.42	22.04	1.67	2.12	7.04	212	0.0	
0827	50.43	22.04	1.67	2.21	7.05	212	0.0	
0829	50.43	22.04	1.67	2.22	7.06	212	0.0	

Final SWL: 50.42 ft
Total Vol.: 7.8 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW24A
Date of Field Visit: 9/14/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4264

Screened Interval: 50-70
Static WL: 48.82'
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.216
3 System Volumes: 0.648
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
930	48.82	25.10	1.86	4.73	7.32	172	0.0	
932	48.84	24.55	2.03	3.79	6.85	182	3.1	
934	48.82	24.04	2.05	3.54	6.77	188	10.3	
936	48.82	24.09	2.05	3.41	6.73	190	8.5	
938	48.82	24.11	2.06	3.40	6.72	192	5.0	
940	48.82	24.09	2.05	3.38	6.71	193	4.3	
942	48.82	24.18	2.06	3.32	6.71	194	1.4	

Final SWL: 48.82
Total Vol.: 3.4 l

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Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW24B
Date of Field Visit: 9/14/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y42G5

Screened Interval: 110-125
Static WL: 58.60
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.677
3 System Volumes: 2.031
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1005	58.61	23.25	1.439	1.23	7.43	168	50.4	
1007	58.61	22.89	1.429	1.09	7.30	169	61.4	
1009	58.61	22.88	1.420	1.20	7.26	170	47.7	
1011	58.61	22.80	1.413	1.22	7.25	170	39.8	
1013	58.61	22.84	1.411	1.23	7.22	169	29.0	
1015	58.61	22.76	1.410	1.20	7.21	168	23.9	

Final SWL: 58.60
Total Vol.: 9L

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Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW24C
Date of Field Visit: 9/14/09
Field Staff: R.Hernandez, H.Jung
R9 Sample ID:
CLP Sample ID: Y4ZG6

Screened Interval: 140-160
Static WL: 58.73
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 1.032
3 System Volumes: 3.098
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1031	58.73	23.17	1.309	1.93	7.28	166	54.2	
1033	58.74	22.88	1.293	3.07	7.19	124	63.9	
1035	58.74	22.79	1.294	3.06	7.17	104	50.7	
1037	58.74	22.72	1.293	3.02	7.17	101	42.3	
1039	58.75	22.63	1.306	3.00	7.14	102	26.3	
1042	58.74	22.63	1.329	2.88	7.13	104	21.8	
1045	58.75	22.64	1.369	2.64	7.12	105	17.3	

Final SWL: 58.74
Total Vol.: 11.5L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW24D
Date of Field Visit: 9/14/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZG7

Screened Interval: 173-178
Static WL: 59.60
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 1.207
3 System Volumes: 3.62
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1057	59.62	23.31	1.347	1.46	7.34	29	35.2	
1059	59.62	23.06	1.348	0.61	7.35	-45	38.3	
1101	59.62	22.96	1.350	0.36	7.39	-40	32.4	MP20 battery changed
1110	59.61	23.73	1.318	0.66	7.41	-72	9.2	
1112	59.63	23.09	1.314	0.42	7.40	-80	20.6	
1114	59.62	22.91	1.334	0.25	7.39	-84	20.7	
1117	59.62	22.93	1.313	0.26	7.36	-84	14.9	
1121	59.62	22.95	1.304	0.24	7.38	-88	13.5	
1124	59.62	23.00	1.298	0.25	7.38	-89	9.5	
1126	59.61	22.99	1.297	0.25	7.39	-88	9.1	
1128	59.61	22.99	1.295	0.23	7.38	-88	4.3	
1130	59.61	22.99	1.293	0.23	7.38	-87	3.7	

Final SWL: 59.60
Total Vol.: 11.7 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW25A
Date of Field Visit: 09/02/09
Field Staff: M. palm H. Jung.
R9 Sample ID:
CLP Sample ID: Y4ZB6

Screened Interval: 45-65
Static WL: 54.06
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1222	54.09	22.71	1.64	4.10	6.93	140	79.5	
1224	54.10	22.52	1.65	3.66	6.86	141	78.9	
1226	54.09	22.43	1.65	3.47	6.84	142	78.7	
1228	54.10	22.93	1.65	3.27	6.82	142	78.1	
1230	54.08	22.91	1.64	3.20	6.82	140	95.0	
1232	54.09	22.96	1.64	3.17	6.82	140	70.1	

Final SWL: 54.06 (ft)
Total Vol.: 8.5 l

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW25B
Date of Field Visit: 09/02/09
Field Staff: M. Palan, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZB5

Screened Interval: 90-110
Static WL: 54.91 (ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1152	54.96	23.74	1.58	3.34	7.13	129	120	
1154	55.02	23.09	1.59	3.52	7.05	131	369	
1156	55.02	22.90	1.58	3.42	7.01	131	302	
1158	55.00	22.82	1.68	3.44	7.00	132	222	
1200	55.03	22.84	1.67	3.41	6.99	132	185	
1202	55.02	22.76	1.67	3.45	6.99	132	158	
1204	55.03	22.76	1.67	3.41	6.99	132	144	
1206	55.03	22.76	1.67	3.45	6.98	132	124	

Final SWL: 55.03 (ft)
Total Vol.: 10.6 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW25C
Date of Field Visit: 09/02/09
Field Staff: M. Palan
H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZB4

Screened Interval: 140-150
Static WL: 60.20(ft)
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1123	60.20	24.04	0.421	6.23	7.94	96	98.6	
1125	60.84	23.10	0.439	1.31	7.86	96	84.7	
1127	61.10	22.80	0.479	0.65	7.84	95	76.3	
1129	61.27	22.65	0.480	0.47	7.85	94	67.5	
1131	61.48	22.64	0.480	0.39	7.85	94	58.7	
1133	61.75	22.67	0.480	0.33	7.85	94	48.2	
1135	61.80	22.62	0.480	0.29	7.85	93	39.9	

Final SWL: 62.10(ft)
Total Vol.: 9.8L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW25D
Date of Field Visit:
Field Staff:
R9 Sample ID:
CLP Sample ID:

Screened Interval: 194-209
Static WL: 88.05
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
								Unable to purge and Sample
								due to the pump inlet is @ 80 ft
								and water level is @ 88 ft

Final SWL:
Total Vol.:

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW26A
Date of Field Visit: 9/11/09
Field Staff: R. Hernandez . H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZF1

Screened Interval: 70-90
Static WL: 85.16
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.049
3 System Volumes: 0.146
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
807	85.16	24.98	1.56	4.82	6.81	209	23.9	
809	85.16	24.45	1.60	4.86	6.95	208	27.7	
~~80~~ 811	85.16	24.20	1.63	4.61	6.95	208	29.2	
813	85.15	24.06	1.64	4.31	6.91	208	28.2	
815	85.15	23.94	1.64	4.09	6.85	206	26.0	
817	85.16	23.93	1.65	3.99	6.81	204	23.9	
819	85.16	23.94	1.64	3.91	6.78	203	21.2	

Final SWL: 85.16
Total Vol.: 2 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW26B
Date of Field Visit: 9/11/09
Field Staff: R. Hernandez, H. Jung

R9 Sample ID:
CLP Sample ID: Y4EH2, Y4EH3 (dup)

Screened Interval: 105-120
Static WL: 85.28
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.354
3 System Volumes: 1.062
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
900	85.27	23.12	1.65	2.44	6.89	169	52.7	
902	85.27	22.91	1.70	2.61	6.82	171	67.2	
904	85.28	22.86	1.72	2.58	6.80	172	53.0	
906	85.27	22.79	1.71	2.63	6.80	172	44.6	
908	85.27	22.80	1.71	2.62	6.80	172	41.4	
910	85.28	22.78	1.71	2.65	6.79	172	41.0	
912	85.28	22.84	1.71	2.66	6.79	172	38.3	

Final SWL: 85.28
Total Vol.: 6 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW26C
Date of Field Visit: 9/11/09
Field Staff: R Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZH4

Screened Interval: 145-160
Static WL: 100.40
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.607
3 System Volumes: 1.823
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
957	100.40	22.31	1.282	2.49	7.19	139	75.5	
953	100.41	22.31	1.310	2.19	7.03	142	69.4	
955	100.50	22.56	1.330	2.20	6.96	145	55.5	
957	100.65	22.36	1.354	2.23	6.93	148	42.8	
1001	100.92	22.36	1.356	2.25	6.92	148	39.2	
1003	101.21	22.31	1.353	2.24	6.92	149	33.6	

Final SWL: 100.85
Total Vol.: 8.6 l

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW26D
Date of Field Visit: 9/11/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y47F5

Screened Interval: 185-205
Static WL: CANT GET PASSED PUMP TO MEASURE WL
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1025	/	24.95	0.443	4.53	7.34	135	47.1	
1027	/	24.76	0.430	4.39	7.38	135	39.3	
1029	/	24.71	0.427	4.33	7.48	134	32.2	
1031	/	24.57	0.412	3.99	7.55	133	30.7	
1033	/	24.40	0.386	3.01	7.67	128	30.6	
1035	/	24.17	0.377	1.78	7.78	83	28.7	
1038	/	24.11	0.415	1.39	7.71	17	29.3	
1040	/	24.09	0.437	1.15	7.63	1	27.7	
1042	/	24.16	0.449	1.06	7.59	-8	25.1	
1047	/	24.23	0.456	0.96	7.54	-13	18.8	
1052	/	24.22	0.455	0.86	7.54	-18	15.7	
1057	/	24.28	0.454	0.77	7.53	-22	11.6	
1102	/	24.35	0.457	0.73	7.53	-27	~~7.53~~ 9.0	
1107	/	24.33	0.459	0.68	7.63	-29	8.0	
1112	/	24.43	0.460	0.65	7.52	-33	5.8	
1117	/	24.38	0.459	0.63	7.52	-36	6.4	

Final SWL:
Total Vol.: 2 GALLONS

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW27A
Date of Field Visit: 9/9/09
Field Staff: R Hernandez, H. Jung

R9 Sample ID:
CLP Sample ID: Y47E6

Screened Interval: 110-115
Static WL: 91.20
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.242
3 System Volumes: 0.728
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1309	91.21	25.92	1.78	2.51	6.78	119	60.0	
1311	91.21	24.93	1.91	1.47	6.72	111	56.4	
1313	91.21	24.72	1.92	0.74	6.72	60	46.6	
1315	91.22	24.62	1.92	0.67	6.72	52	44.9	
1317	91.22	23.81	1.91	0.46	6.72	48	40.7	
1319	91.21	23.74	1.91	0.39	6.72	35	39.3	
1320	91.20	23.71	1.91	0.38	6.72	33	37.5	

Final SWL: 91.21
Total Vol.: 6L

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: MW27B
Date of Field Visit: 9/9/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZE7

Screened Interval: 144-164
Static WL: 91.16
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.742
3 System Volumes: 2.228
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1354	91.17	23.96	1.394	0.74	7.16	-50	71.5	
1356	91.18	24.44	1.462	0.48	7.13	-63	58.9	
1358	91.20	24.11	1.482	0.41	7.11	-79	50.4	
1400	91.20	23.94	1.486	0.31	7.10	-88	40.2	
1402	91.22	23.78	1.479	0.28	7.11	-92	34.7	
1404	91.21	23.50	1.483	0.20	7.10	-96	29.9	
1406	91.21	23.53	1.479	0.18	7.11	-99	26.8	

Final SWL: 91.18 (ft)
Total Vol.: 11 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW27C
Date of Field Visit: 9/9/09
Field Staff: R. Hernandez, H. Jung
R9 Sample ID:
CLP Sample ID: Y4ZE8

Screened Interval: 180-190
Static WL: 112.91
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.786
3 System Volumes: 2.358
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1421	113.51	25.56	0.890	1.55	6.90	-18	37.4	
1426	113.61	25.10	0.886	0.95	7.04	-83	32.8	
1428	113.70	24.82	0.887	0.74	7.19	-119	30.3	
1430	113.79	24.75	0.895	0.55	7.36	-130	28.2	
1432	113.80	24.66	0.901	0.43	7.43	-137	21.5	
1435	113.82	24.67	0.907	0.36	7.47	-141	14.1	
1438	113.82	24.70	0.911	0.34	7.48	-145	5.2	
1442	113.83	24.63	0.915	0.32	7.48	-145	3.8	
1444	113.84	24.18	0.914	0.31	7.48	-147	0.8	
1446	113.60	25.36	0.914	0.31	7.48	-148	0.0	
1451	113.55	25.41	0.912	0.34	7.49	-147	0.0	
1453	113.65	24.85	0.916	0.35	7.46	-147	0.0	

Final SWL: 114.01
Total Vol.: 8.0

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW28
Date of Field Visit: 9/9/09
Field Staff: R. Hernandez, M. Turner
R9 Sample ID:
CLP Sample ID: Y4ZE4

Screened Interval: 85-105
Static WL: 88.25
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.170
3 System Volumes: 0.512
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
1023	88.26	20.76	1.58	0.99	6.71	113	54.8	
1027	88.24	20.79	1.59	0.30	6.68	110	37.3	
1029	88.25	20.78	1.56	0.26	6.69	109	29	
1030	88.24	20.76	1.59	0.24	6.67	109	26.2	

Final SWL: 88.27
Total Vol.: 0.5 L

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW29
Date of Field Visit: 9/9/09
Field Staff: R Hernandez, A Tung
R9 Sample ID:
CLP Sample ID: YHZE2

Screened Interval: 90-110
Static WL: 89.30
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.211
3 System Volumes: 0.633
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
936	89.30	23.61	2.03	3.76	7.06	87	28.4	
938	89.31	23.09	2.14	2.92	6.88	89	31.2	
940	89.31	22.98	2.15	2.33	6.80	91	30.7	
942	89.30	22.94	2.16	2.05	6.76	91	26.6	
944	89.30	22.90	2.15	1.97	6.75	93	23.9	
946	89.30	22.91	2.15	1.92	6.75	94	19.7	

Final SWL: 89.30 (ft)
Total Vol.: 4.8(L)

CH2MHILL

Groundwater Monitoring
Field Activity Sheet
Omega Chemical

Well ID: MW30
Date of Field Visit: 9/9/09
Field Staff: R. Hernandez, H. Jung.
R9 Sample ID:
CLP Sample ID: Y4ZE2

Screened Interval: 95-115
Static WL: 102.27
Line Depth:
Gal/ft line 0.0102 gal
System Volume: 0.129
3 System Volumes: 0.389
Sampling Equipment: Dedicated Bladder Pump

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments
844	102.26	24.03	1.106	5.75	7.56	84	5.2	
847	102.27	23.70	1.487	1.29	6.77	22	23.4	
850	102.27	23.82	1.484	1.31	6.74	-33	29.8	
852	102.26	23.56	1.482	0.70	6.71	-42	23.6	
854	102.30	23.52	1.482	0.59	6.70	-48	23.5	
856	102.~~35~~25	23.53	1.483	0.48	6.70	-52	21.5	
859	102.34	23.54	1.485	0.43	6.70	-55	18.1	

Final SWL: 102.26
Total Vol.: 9L

CH2MHILL

Groundwater Monitoring Field Activity Sheet

Omega Chemical

Well ID: ~~OW1A~~ MW31
Date of Field Visit: 9-9-09
Field Staff: R. HERNANDEZ, H. SUNG
R9 Sample ID:
CLP Sample ID: Y4ZE5 @ 1110

Screened Interval: ~~63-78~~
Static WL: 99.19
Line Depth:
Gal/ft line 0.0102 gal
System Volume:
3 System Volumes:
Sampling Equipment: 2-inch ~~SST Grundfos Pump~~ DISPOSABLE BAILER

System Volume = bottom of screened interval minus Static WL * Gal/ft line

Field Parameters

Clock Time (24 HR)	Water Level (ft bgs)	Temp. °C	Specific Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments

Final SWL: 99.20
Total Vol.: 1 L AMBERS + 3 VOAS

Appendix B
Chain-of-Custody Forms
(on CD only)

Appendix B.1
1Q2008 Chain-of-Custody Forms

CHAIN OF CUSTODY

EMAX LABORATORIES, INC.
1835 W. 205th Street, Torrance, CA 90501
Tel #: 310-618-8889 Fax #: 310-618-0818
Email: info@emaxlabs.com

PO NUMBER:

SAMPLE STORAGE

EMAX CONTROL NO. *

PROJECT CODE: 335391. FI.02

CLIENT CH2M HILL
PROJECT Omega Chemical
COORDINATOR Jennifer Gailes
TEL 951-270-3003 FAX x4033 EMAIL jgailes@ch2m.com
SEND REPORT TO Jennifer Gailes
COMPANY CH2M HILL
ADDRESS 2280 Market St Ste 200
Riverside, CA 92501
EMAX PM

MATRIX CODE	PRESERVATIVE CODE
DW=Drinking Water	IC = Ice
GW=Ground Water	HC = HCl
WW=Waste Water	HN=HNO3
SD=Solid Waste SL=Sludge	SH=NaOH
SS=Soil/ Sediment	ST=Na2S2O3
WP=Wipes PP=Pure Products	ZA=Zinc Acetate
AR=Air	HS=H_2SO_4
O=	

ANALYSIS REQUIRED: 1,4-Dioxane; VOCs + plus MTBE

TAT:
- ☐ Rush ____hrs.
- ☐ Rush ____days
- ☐ 7 days
- ☐ 14 days
- ☑ 21 days
- ☐ 30 days
- ☐ ____days
- ☐

LAB	SAMPLE ID CLIENT	SAMPLING LOCATION	DATE	TIME	CONTAINER NO.	CONTAINER SIZE	CONTAINER TYPE	MATRIX CODE	QC	PRESERVATIVE CODE HC	COMMENTS
1	OC1-OW1B-W-S-86	OW1B	2/20/08	0840	11	1L + VOA		GW	✓	✓	Grab sample
2	OC1-OW1A-W-O-87	OW1A	2/20	0910	6	1L + VOA		GW		✓	↓
3	OC1-OW4B-W-O-88	OW4B	2/20	1055	6	1L + VOA		GW		✓	
4											
5											
6											
7											
8											
9											
0											

Instructions

Cooler #	Temp. (°C)	Sample #s

SAMPLER Jennifer Gailes
COURIER/AIRBILL 864730806597

RELINQUISHED BY	Date	Time	RECEIVED BY
Jennifer Gailes	2/20	1145	

NOTICE: Turn-around-time (TAT) for samples shall not begin untill all discrepancies have been resolved. For samples received and discrepacies resolved after 1500 hrs, TAT shall start at 0800 hrs the next business day. The client is responsible for all cost associted with sample disposal. Samples shall be disposed of as soon as practical (but not prior to fifteen (15) calendar days) after issuance of analytical report unless a different sample disposal schedule is pre-arranged with EMAX. Disposal fee for samples defined by CA Title 22 as non-hazardous shall be $5.00 per sample. EMAX will return hazardous samples to the client at the client's expense unless directed in writing otherwise.

Appendix B.2
1Q2009 Chain-of-Custody Forms

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

Case No: 38274 **R**
DAS No:

Region: 9	**Date Shipped:** 3/16/2009	**Chain of Custody Record**	**Sampler Signature:**
Project Code:	**Carrier Name:** FedEx	**Relinquished By** (Date / Time)	**Received By** (Date / Time)
Account Code:	**Airbill:** 869237731017	1	
CERCLIS ID:	**Shipped to:** Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:		3	
Site Name/State: Omega Chemical Superfund Site/CA		4	
Project Leader: Tom Perina			
Action:			
Sampling Co:			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4NB9	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	64	S: 3/16/2009 8:05		--
Y4NC0	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	65	S: 3/16/2009 8:35		--
Y4NC1	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	66	S: 3/16/2009 9:25		--
Y4NC2	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	67	S: 3/16/2009 10:40		--
Y4NC3	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	68	S: 3/16/2009 11:10		--
Y4NC4	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	69	S: 3/16/2009 11:50		--
Y4NC5	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	70	S: 3/16/2009 11:55		Field Duplicate
Y4NC6	Ground Water/ Jennifer Galles	H/G	1,4-D (21), VOA (21)	(HCL) (11)	71	S: 3/16/2009 12:20		Lab QC
Y4NC7	Ground Water/ Jennifer Galles	L/G	VOA (21)	(HCL) (4)	72	S: 3/16/2009 11:30		Trip Blank

9 samples 3 coolers

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** Y4NC6	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

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

TR Number: 9-251944935-031609-0001

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 COPY

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

Case No: 38274
DAS No:

R

Region:	9	**Date Shipped:**	3/13/2009
Project Code:		**Carrier Name:**	FedEx
Account Code:		**Airbill:**	869237731359
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400
Spill ID:			
Site Name/State:	Omega Chemical Superfund Site/CA		
Project Leader:	Tom Perina		
Action:			
Sampling Co:			

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4NB0	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	55	S: 3/13/2009 8:00		--
Y4NB1	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(Ice Only) (6)	56	S: 3/13/2009 8:30		--
Y4NB2	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	57	S: 3/13/2009 10:35		--
Y4NB3	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	58	S: 3/13/2009 11:00		--
Y4NB4	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(Ice Only) (6)	59	S: 3/13/2009 11:10		Field Duplicate
Y4NB5	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	60	S: 3/13/2009 12:10		--
Y4NB6	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	61	S: 3/13/2009 12:40		--
Y4NB7	Ground Water/ Jennifer Galles	L/G	VOA (21)	(HCL) (4)	62	S: 3/13/2009 11:40		Trip Blank
Y4NB8	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	63	S: 3/13/2009 13:45		--

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-031309-0001

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

Case No: 38274
DAS No:

R

Region:	9	**Date Shipped:**	3/12/2009
Project Code:		**Carrier Name:**	FedEx
Account Code:		**Airbill:**	869237731040
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400
Spill ID:			
Site Name/State:	Omega Chemical Superfund Site/CA		
Project Leader:	Tom Perina		
Action:			
Sampling Co:			

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4NA4	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	49	S: 3/12/2009 8:55		--
Y4NA5	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(Ice Only) (6)	50	S: 3/12/2009 9:25		--
Y4NA6	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	51	S: 3/12/2009 11:25		--
Y4NA7	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(Ice Only) (6)	52	S: 3/12/2009 12:00		--
Y4NA8	Ground Water/ Jennifer Galles	L/G	VOA (21)	(HCL) (4)	53	S: 3/12/2009 12:43		Trip Blank
Y4NA9	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(Ice Only) (6)	54	S: 3/12/2009 13:45		--

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-031209-0001

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

Case No: 38274
DAS No:

R

Region:	9	**Date Shipped:**	3/11/2009	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	869237731381	1	
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:				3	
Site Name/State:	Omega Chemical Superfund Site/CA			4	
Project Leader:	Tom Perina				
Action:					
Sampling Co:					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y4N98	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	43	S: 3/11/2009	9:15		--
Y4N99	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	44	S: 3/11/2009	9:20		Field Duplicate
Y4NA0	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (11)	45	S: 3/11/2009	9:50		Lab QC
Y4NA1	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	46	S: 3/11/2009	11:25		--
Y4NA2	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	47	S: 3/11/2009	11:55		--
Y4NA3	Ground Water/ Jennifer Galles	L/G	VOA (21)	(HCL) (4)	48	S: 3/11/2009	13:30		Trip Blank

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-031109-0001

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

Case No: 38274
DAS No:

R

Region:	9	**Date Shipped:**	3/10/2009
Project Code:		**Carrier Name:**	FedEx
Account Code:	,	**Airbill:**	858040234027
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400
Spill ID:			
Site Name/State:	Omega Chemical Superfund Site/CA		
Project Leader:	Tom Perina		
Action:			
Sampling Co:			

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4N93	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	38	S: 3/10/2009 8:10		--
Y4N94	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	39	S: 3/10/2009 8:40		--
Y4N95	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	40	S: 3/10/2009 10:55		--
Y4N96	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	41	S: 3/10/2009 11:35		--
Y4N97	Ground Water/ Jennifer Galles	L/G	VOA (21)	(HCL) (4)	42	S: 3/10/2009 11:56		Trip Blank

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-031009-0001

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

Case No: 38274 **R**
DAS No:

Region:	9	**Date Shipped:**	3/9/2009
Project Code:		**Carrier Name:**	FedEx
Account Code:		**Airbill:**	864700232827
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400
Spill ID:			
Site Name/State:	Omega Chemical Superfund Site/CA		
Project Leader:	Tom Perina		
Action:			
Sampling Co:			

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4N85	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	30	S: 3/9/2009 7:50		--
Y4N86	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6) HCL	31	S: 3/9/2009 7:55		Field Duplicate
Y4N87	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	32	S: 3/9/2009 9:40		--
Y4N88	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	33	S: 3/9/2009 10:45		--
Y4N89	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	34	S: 3/9/2009 12:05		--
Y4N90	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	35	S: 3/9/2009 12:25		--
Y4N91	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	36	S: 3/9/2009 13:05		--
Y4N92	Ground Water/ Jennifer Galles	L/G	VOA (21)	(HCL) (4)	37	S: 3/9/2009 13:30		Trip Blank

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

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

TR Number: 9-251944935-030909-0001

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

Case No: 38274 **R**
DAS No:

Region:	9	**Date Shipped:**	3/6/2009
Project Code:		**Carrier Name:**	FedEx
Account Code:		**Airbill:**	864700232805
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400
Spill ID:			
Site Name/State:	Omega Chemical Superfund Site/CA		
Project Leader:	Tom Perina		
Action:			
Sampling Co:			

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y4N80	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	25	S: 3/6/2009	7:35		--
Y4N81	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(Ice Only) (5)	26	S: 3/6/2009	8:10		--
Y4N82	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	27	S: 3/6/2009	9:15		--
Y4N83	Ground Water/ Jennifer Galles	H/G	1,4-D (21), VOA (21)	(Ice Only) (6)	28	S: 3/6/2009	10:10		--
Y4N84	Ground Water/ Jennifer Galles	L/G	VOA (21)	(HCL) (4)	29	S: 3/6/2009	11:00		Trip Blank

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-030609-0001

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

Case No: 38274 **R**
DAS No:

Region:	9	**Date Shipped:**	3/5/2009
Project Code:		**Carrier Name:**	FedEx
Account Code:		**Airbill:**	864402626860
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400
Spill ID:			
Site Name/State:	Omega Chemical Superfund Site/CA		
Project Leader:	Tom Perina		
Action:			
Sampling Co:			

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4N76	Ground Water/ Jennifer Galles	H/G	1,4-D (21), VOA (21)	(HCL) (6)	21	S: 3/5/2009 14:25		--

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-030509-0002

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

Case No: 38274
DAS No:
R

Region:	9	**Date Shipped:**	3/5/2009	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	864402626860	1	
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:				3	
Site Name/State:	Omega Chemical Superfund Site/CA			4	
Project Leader:	Tom Perina				
Action:					
Sampling Co:					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4N68	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	13	S: 3/5/2009 7:40		--
Y4N69	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	14	S: 3/5/2009 8:40		--
Y4N70	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	15	S: 3/5/2009 9:25		--
Y4N71	Ground Water	M/G	1,4-D (21), VOA (21)	(Ice Only) (6)	16	S: 3/5/2009 10:25		--
Y4N72	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(Ice Only) (6)	17	S: 3/5/2009 10:30		Field Duplicate
Y4N73	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (11)	18	S: 3/5/2009 12:25		Lab QC
Y4N74	Ground Water/ Jennifer Galles	H/G	1,4-D (21), VOA (21)	(HCL) (6)	19	S: 3/5/2009 11:56		--
Y4N75	Ground Water/ Jennifer Galles	H/G	1,4-D (21), VOA (21)	(HCL) (6)	20	S: 3/5/2009 13:23		--
Y4N77	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	22	S: 3/5/2009 13:00		--
Y4N78	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(HCL) (6)	23	S: 3/5/2009 13:35		--
Y4N79	Ground Water/ Jennifer Galles	L/G	VOA (21)	(HCL) (4)	24	S: 3/5/2009 13:45		Trip Blank

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-030509-0001

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Organic Traffic Report & Chain of Custody Record

Case No: 38274
DAS No:

R

Region:	9	**Date Shipped:**	3/4/2009
Project Code:		**Carrier Name:**	FedEx
Account Code:		**Airbill:**	864402626849
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400
Spill ID:			
Site Name/State:	Omega Chemical Superfund Site/CA		
Project Leader:	Tom Perina		
Action:			
Sampling Co:			

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y4N64	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(Ice Only) (6)	9	S: 3/4/2009	8:00		--
Y4N65	Ground Water	M/G	1,4-D (21), VOA (21)	(HCL) (6)	10	S: 3/4/2009	8:30		--
Y4N66	Ground Water/ Jennifer Galles	M/G	1,4-D (21), VOA (21)	(Ice Only) (6)	11	S: 3/4/2009	9:25		--
Y4N67	Ground Water/ Jennifer Galles	L/G	VOA (21)	(HCL) (4)	12	S: 3/4/2009	9:45		Trip Blank

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-030409-0001

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

Case No: 38274
DAS No:

R

Region:	9	**Date Shipped:**	3/3/2009	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	864402626838	1	
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:				3	
Site Name/State:	Omega Chemical Superfund Site/CA			4	
Project Leader:	Tom Perina				
Action:					
Sampling Co:					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y4N56	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	1	S: 3/3/2009	8:10		--
Y4N57	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	2	S: 3/3/2009	9:10		--
Y4N58	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	3	S: 3/3/2009	10:35		--
Y4N59	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	4	S: 3/3/2009	11:00		--
Y4N60	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	5	S: 3/3/2009	11:25		--
Y4N61	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	6	S: 3/3/2009	11:35		Field Duplicate
Y4N62	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(Ice Only) (6)	7	S: 3/3/2009	12:00		--
Y4N63	Ground Water	L/G	VOA (21)	(HCL) (4)	8	S: 3/3/2009	11:46		Trip Blank

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-030309-0001

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

Case No: 38274
DAS No:

R

Region:	9	**Date Shipped:**	3/2/2009	**Chain of Custody Record**	**Sampler Signature:**
Project Code:		**Carrier Name:**	FedEx	**Relinquished By (Date / Time)**	**Received By (Date / Time)**
Account Code:		**Airbill:**	864402626816	1	
CERCLIS ID:		**Shipped to:**	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2	
Spill ID:				3	
Site Name/State:	Omega Chemical Superfund Site/CA			4	
Project Leader:	Tom Perina				
Action:					
Sampling Co:					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y4N51	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	MW3	S: 3/2/2009	9:00		--
Y4N52	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	MW7	S: 3/2/2009	10:10		--
Y4N53	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	MW11	S: 3/2/2009	11:40		--
Y4N55	Ground Water/ Jennifer Galles	L/G	1,4-D (21), VOA (21)	(HCL) (6)	MW21	S: 3/2/2009	13:30		--

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

1,4-D = 1.4-Dioxane, VOA = CLP TCL Volatiles

TR Number: 9-251944935-030209-0001

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

REGION COPY

Appendix B.3
3Q2009 Chain-of-Custody Forms

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

Case No: 38940 **R**
DAS No:

Region:	9
Project Code:	
Account Code:	
CERCLIS ID:	CAD042245000
Spill ID:	BC
Site Name/State:	Omega Chemical Corporation/CA
Project Leader:	Robert Hernandez
Action:	Combined RI/FS
Sampling Co:	CH2M HILL

Date Shipped:	9/8/2009
Carrier Name:	FedEx
Airbill:	791505657715/792161114471
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y4ZD6	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	110 (Not preserved), 111 (Not preserved), 112 (HCL), 113 (HCL), 114 (HCL) (5)	3	S: 9/8/2009	10:35		--
Y4ZD7	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	115 (Not preserved), 116 (Not preserved), 117 (Not preserved), 118 (Not preserved), 119 (HCL), 120 (HCL), 121 (HCL), 122 (HCL), 123 (HCL), 124 (HCL) (10)	4	S: 9/8/2009	11:45		--
Y4ZD8	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	125 (Not preserved), 126 (Not preserved), 127 (HCL), 128 (HCL), 129 (HCL) (5)	5	S: 9/8/2009	14:00		--
Y4ZD9	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	130 (Not preserved), 131 (Not preserved), 132 (HCL), 133 (HCL), 134 (HCL) (5)	6	S: 9/8/2009	14:40		--
Y4ZE0	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	135 (Not preserved), 136 (Not preserved), 137 (HCL), 138 (HCL), 139 (HCL) (5)	7	S: 9/8/2009	15:00		--

Shipment for Case Complete? N	**Sample(s) to be used for laboratory QC:** Y4ZD7	**Additional Sampler Signature(s):**	**Chain of Custody Seal Number:**
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G	**Shipment Iced?** _____

1,4 Dioxan = 1,4 Dioxane, TVOA = TVOA

TR Number: 9-373552597-090809-0003

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

Case No: 38940 **R**
DAS No:

Region:	9
Project Code:	
Account Code:	,
CERCLIS ID:	CAD042245000
Spill ID:	BC
Site Name/State:	Omega Chemical Corporation/CA
Project Leader:	Robert Hernandez
Action:	Combined RI/FS
Sampling Co:	CH2M HILL

Date Shipped:	9/9/2009
Carrier Name:	FedEx
Airbill:	
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y4ZE1	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	145 (Not preserved), 146 (Not preserved), 147 (HCL), 148 (HCL), 149 (HCL) (5)	36	S: 9/9/2009	8:05		--
Y4ZE2	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), 153 (Not preserved), 154 (Not preserved), 155 (HCL) (5)	37	S: 9/9/2009	9:00		--
Y4ZE3	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	38	S: 9/9/2009	9:47		--
Y4ZE4	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	39	S: 9/9/2009	10:31		--
Y4ZE5	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	40	S: 9/9/2009	11:10		--
Y4ZE6	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	41	S: 9/9/2009	13:22		--
Y4ZE7	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	42	S: 9/9/2009	14:08		--
Y4ZE8	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	43	S: 9/9/2009	14:56		--
Y4ZE9	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	44	S: 9/9/2009	16:04		--
Y4ZF0	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	45	S: 9/9/2009	16:30		--

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

1,4 Dioxan = 1,4 Dioxane, TVOA = TVOA

TR Number: **9-373552597-090909-0001**

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

Case No: 38940 **R**
DAS No:

Region:	9
Project Code:	
Account Code:	
CERCLIS ID:	CAD042245000
Spill ID:	BC
Site Name/State:	Omega Chemical Corporation/CA
Project Leader:	Robert Hernandez
Action:	Combined RI/FS
Sampling Co:	CH2M HILL

Date Shipped:	9/11/2009
Carrier Name:	FedEx
Airbill:	869779681052
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y4ZF1	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved), 155 (HCL) (5)	47	S: 9/11/2009	8:21		--
Y4ZF2	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	48	S: 9/11/2009	9:14		--
Y4ZF3	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	49	S: 9/11/2009	9:25		--
Y4ZF4	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	50	S: 9/11/2009	10:05		--
Y4ZF5	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	51	S: 9/11/2009	11:20		--
Y4ZF6	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	52	S: 9/11/2009	13:15		--
Y4ZF7	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	53	S: 9/11/2009	14:00		--
Y4ZF8	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	54	S: 9/11/2009	15:00		--
Y4ZF9	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	(HCL), (Not preserved) (5)	55	S: 9/11/2009	15:47		--
Y4ZG0	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	155 (Not preserved), 156 (Not preserved), 157 (HCL), 158 (HCL), 159 (HCL) (5)	56	S: 9/11/2009	16:18		--

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

1,4 Dioxan = 1,4 Dioxane, TVOA = TVOA

TR Number: 9-373552597-091109-0001

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

Case No: 38940 **R**
DAS No:

Region:	9
Project Code:	
Account Code:	
CERCLIS ID:	CAD042245000
Spill ID:	BC
Site Name/State:	Omega Chemical Corporation/CA
Project Leader:	Robert Hernandez
Action:	Combined RI/FS
Sampling Co:	CH2M HILL

Date Shipped:	9/11/2009
Carrier Name:	FedEx
Airbill:	869779681052
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4ZG1	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	160 (Not preserved), 161 (Not preserved), 162 (HCL), 163 (HCL), 164 (HCL) (5)	57	S: 9/11/2009 16:30		--

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

1,4 Dioxan = 1,4 Dioxane, TVOA = TVOA

TR Number: 9-373552597-091109-0001

REGION COPY

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

Case No: 38940 **R**
DAS No:

Region:	9
Project Code:	
Account Code:	
CERCLIS ID:	CAD042245000
Spill ID:	BC
Site Name/State:	Omega Chemical Corporation/CA
Project Leader:	Robert Hernandez
Action:	Combined RI/FS
Sampling Co:	CH2M HILL

Date Shipped:	9/14/2009
Carrier Name:	FedEx
Airbill:	869779681122
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y4ZG2	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	165 (Not preserved), 166 (Not preserved), 167 (HCL), 168 (HCL), 169 (HCL) (5)	58	S: 9/14/2009	8:00		--
Y4ZG3	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	170 (Not preserved), 171 (Not preserved), 172 (Not preserved), 173 (Not preserved), 174 (HCL), 175 (HCL), 176 (HCL), 177 (HCL), 178 (HCL), 179 (HCL) (10)	59	S: 9/14/2009	8:50		--
Y4ZG4	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	180 (Not preserved), 181 (Not preserved), 182 (HCL), 183 (HCL), 184 (HCL) (5)	60	S: 9/14/2009	9:45		--
Y4ZG5	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	185 (Not preserved), 186 (Not preserved), 187 (HCL), 188 (HCL), 189 (HCL) (5)	61	S: 9/14/2009	10:18		--
Y4ZG6	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	190 (Not preserved), 191 (Not preserved), 192 (HCL), 193 (HCL), 194 (HCL) (5)	62	S: 9/14/2009	10:46		--
Y4ZG7	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	195 (Not preserved), 196 (Not preserved), 197 (HCL), 198 (HCL), 199 (HCL) (5)	63	S: 9/14/2009	11:32		--
Y4ZG8	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	200 (Not preserved), 201 (Not preserved), 202 (HCL), 203 (HCL), 204 (HCL) (5)	64	S: 9/14/2009	12:56		--
Y4ZG9	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	205 (Not preserved), 206 (Not preserved), 207 (HCL), 208 (HCL), 209 (HCL) (5)	65	S: 9/14/2009	14:25		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: Y4ZG3	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

1,4 Dioxan = 1,4 Dioxane, TVOA = TVOA

TR Number: 9-373552597-091409-0001

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

Case No: 38940 **R**
DAS No:

Region:	9
Project Code:	
Account Code:	
CERCLIS ID:	CAD042245000
Spill ID:	BC
Site Name/State:	Omega Chemical Corporation/CA
Project Leader:	Robert Hernandez
Action:	Combined RI/FS
Sampling Co:	CH2M HILL

Date Shipped:	9/14/2009
Carrier Name:	FedEx
Airbill:	869779681122
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4ZH0	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), TVOA (21)	210 (Not preserved), 211 (Not preserved), 212 (HCL), 213 (HCL), 214 (HCL) (5)	66	S: 9/14/2009 14:45		--

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: Y4ZG3	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
1,4 Dioxan = 1,4 Dioxane, TVOA = TVOA			

TR Number: 9-373552597-091409-0001

REGION COPY

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

Case No: 38940 **R**
DAS No:

Region:	9
Project Code:	
Account Code:	,
CERCLIS ID:	CAD042245000
Spill ID:	BC
Site Name/State:	Omega Chemical Corporation/CA
Project Leader:	Robert Hernandez
Action:	Combined RI/FS
Sampling Co:	CH2M HILL

Date Shipped:	9/16/2009
Carrier Name:	FedEx
Airbill:	854891081653
Shipped to:	KAP Technologies Inc. 9391 Grogans Mill Rd. Suite A2 The Woodlands TX 77380 (281) 367-0065

Chain of Custody Record

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

Sampler Signature:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
Y5129	Ground Water/ Robert Hernandez	L/G	SVOC's + 1 (21), VOC's (21)	222 (Ice Only), 223 (Ice Only), 224 (HCL), 225 (HCL), 226 (HCL) (5)	67	S: 9/15/2009	11:30		--
Y5130	Ground Water/ Robert Hernandez	L/G	SVOC's + 1 (21), VOC's (21)	227 (Ice Only), 228 (Ice Only), 229 (HCL), 230 (HCL), 231 (HCL) (5)	68	S: 9/15/2009	16:45		--

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

SVOC's + 1 = SVOC's including 1,4-Dioxane, VOC's = VOC's

TR Number: 9-373552597-091509-0004

REGION COPY

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

Case No:	38845
DAS No:	

R

Region:	9
Project Code:	
Account Code:	
CERCLIS ID:	CAD042245000
Spill ID:	BC
Site Name/State:	Omega Chemical Corporation/CA
Project Leader:	Robert Hernandez
Action:	Combined RI/FS
Sampling Co:	CH2M HILL

Date Shipped:	9/16/2009
Carrier Name:	FedEx
Airbill:	869779681074
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

Chain of Custody Record

Sampler Signature:

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

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
Y4ZH1	Ground Water/ Robert Hernandez	L/G	1,4 Dioxan (21), Hex Cr, pH (21), TPH-g (21), TPHd (21), VOC's (21)	232 (Not preserved), 233 (Not preserved), 235 (Ice Only), 244 (Ice Only), 245 (Ice Only), 246 (HCL), 247 (HCL), 248 (HCL), 249 (HCL), 259 (HCL), 260 (HCL), 261 (HCL), 262 (HCL) (13)	69	S: 9/16/2009 10:30	MY4ZH1	--

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

1,4 Dioxan = 1,4 Dioxane, Hex Cr, pH = Hex Cr, pH, TPH-g = TPH-g, TPHd = TPHd, VOC's = VOC's

TR Number: 9-373552597-091609-0002

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

Case No: 38845 **R**
DAS No:

Region:	9
Project Code:	
Account Code:	
CERCLIS ID:	CAD042245000
Spill ID:	BC
Site Name/State:	Omega Chemical Corporation/CA
Project Leader:	Robert Hernandez
Action:	Combined RI/FS
Sampling Co:	CH2M HILL

Date Shipped:	9/16/2009
Carrier Name:	FedEx
Airbill:	869779681074
Shipped to:	Datachem Laboratories, Inc. 960 West LeVoy Drive Salt Lake City UT 84123 (801) 266-7700

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
MY4ZH1	Ground Water/ Robert Hernandez	L/G	CAM17 meta (21)	250 (HNO3) (1)	69	S: 9/16/2009	10:30	Y4ZH1	--

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? _____
CAM17 meta = CAM17 metals			

TR Number: 9-373552597-091609-0001

REGION COPY

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

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

Appendix C
Data Needs and Uses
(on CD only)

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Regulatory Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [2]	Additional Regulatory Limits (µg/L)
TCL Volatile Organic Compounds					
Acetone	Exceedances with respect to federal and state drinking water standards, and state action levels.				
Benzene		1	CA Primary MCL [A]	0.5	0.15 [E]
Bromodichloromethane		100	USEPA Primary MCL [C]	0.5	2.5 [I] ; 100-proposed [A]
Bromoform	Evaluate water treatment system design.	100	USEPA Primary MCL [C]	0.5	45 [I] ; 100-proposed [A]
Bromomethane		500	CA Proposition 65 Regulatory Level [I]	0.5	
n-Butylbenzene	Evaluate remedial action performance.	260	CA DHS State Action Level [F]		
sec-Butylbenzene		260	CA DHS State Action Level [F]		
Carbon disulfide		160	CA DHS State Action Level [F]		
Carbon tetrachloride		0.5	CA Primary MCL [A]	0.5	0.1 [E]
Chlorobenzene		100	USEPA Primary MCL [C]		50 [H]
Chloroethane		16	Other Taste and Odor [H]	0.5	100 [I]
Chloroform					
Chloromethane			No Applicable ARAR		
2-Chlorotoluene		140	CA DHS State Action Level [F]		
4-Chlorotoluene		140	CA DHS State Action Level [F]		
Cyclohexane					
Dibromomethane					
Dibromochloromethane					
Dibromochloropropane (DBCP)		0.2	USEPA Primary MCL [C]		0.05 [I]
1,2-Dibromoethane		0.05			0.1 [I]
1,2-Dichlorobenzene		600	CA DHS State Action Level [G]	0.5	600 [E]
1,3-Dichlorobenzene		600	CA DHS State Action Level [G]	0.5	600 [F]
1,4-Dichlorobenzene		5	CA Primary MCL [A]	0.5	6 [E]
Dichlorodifluoromethane		1,000	CA DHS State Action Level [F]		

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Regulatory Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [2]	Additional Regulatory Limits (µg/L)
1,1-Dichloroethane	Exceedances with respect to federal and state drinking water standards, and state action levels.	5	CA Primary MCL [A]	0.5	3 [E]
1,2-Dichloroethane		0.5	CA Primary MCL [A]	0.5	0.4 [E]
1,1-Dichloroethylene		6	CA Primary MCL [A]	0.5	7 [C]; 10 [E]
cis-1,2-Dichloroethylene	Evaluate water treatment system design.	6	CA Primary MCL [A]	0.5	70 [C]
trans-1,2-Dichloroethylene		10	CA Primary MCL [A]	0.5	100 [C]
Dichloromethane (Methylene Chloride)	Evaluate remedial action performance.	5	CA/USEPA Primary MCL [A] [C]	0.5	4 [E]
1,2-Dichloropropane		5	CA/USEPA Primary MCL [A] [C]	0.5	0.5 [E]
2,2-Dichloropropane					
1,1-Dichloropropene					
1,3-Dichloropropene		0.5	CA Primary MCL [A]		
cis-1,3-Dichloropropene		0.5	CA Primary MCL [A]	0.5	0.2 [E]
trans-1,3-Dichloropropene		0.5	CA Primary MCL [A]	0.5	0.2 [E]
Ethane					
Ethene					
Ethybenzene		300	CA Primary MCL [A)]	0.5	700 [C]; 300 [E]; 29 [H]
Hexachlorobutadiene					
2-Hexanone					
Isopropylbenzene (Cumene)		770	CA DHS State Action Level [F]	0.5	
Methane					
Methyl acetate					
Methyl ethyl ketone		8,400	Other Taste and Odor [H]	5	
Methyl isobutyl ketone (MIBK)		120	CA DHS State Action Level [F]		1300 [H]
Methylcyclohexane					
Napthalene		170	CA DHS State Action Level [F]		
n-Propylbenzene		260	CA DHS State Action Level [F]		

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Regulatory Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [2]	Additional Regulatory Limits (µg/L)
Styrene	Exceedances with respect to federal and state drinking water standards, and state action levels.	100	CA/USEPA Primary MCL [A] [C]	0.5	11 [H]
1,1,2,2-Tetrachloroethane		1	CA Primary MCL [A]	0.1	0.5 [E];1.5 [I]
Tetrachloroethylene (PCE)		5	CA/USEPA Primary MCL [A] [C]	0.5	0.06 [E]
Toluene	Evaluate water treatment system design.	150	CA Primary MCL [A]/CA PHG [E]	0.5	42 [H]; 1,000 [C]
1,2,3-Trichlorobenzene					
1,2,4-Trichlorobenzene	Evaluate remedial action performance.	5	CA Primary MCL [A]/CA PHG [E]	0.5	70 [C]
1,1,1-Trichloroethane (1,1,1-TCA)		200	CA/USEPA Primary MCL [A] [C]	0.5	
1,1,2-Trichloroethane		5	CA/USEPA Primary MCL [A] [C]	0.5	5 [I]
Trichloroethylene (TCE)		5	CA/USEPA Primary MCL [A] [C]	0.5	0.8 [E]
Trichlorofluoromethane		150	CA Primary MCL [A]	5	700 [E]
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		1,200	CA Primary MCL [A]	10	4,000 [E]
1,2,4-Trimethylbenzene		330	CA DHS State Action Level [F]		
1,3,5-Trimethylbenzene		330	CA DHS State Action Level [F]		
Vinyl chloride		0.5	CA Primary MCL [A]	0.5	0.05 [E]; 2 [C]
Xylene(s)		1,750	CA Primary MCL [A]	1,800	17 [H]; 10,000 [C]
Additional Volatiles					
Methyl tert-butyl ether (MTBE)	Exceedances with respect to federal and state drinking water standards, and state action levels	`13	CA Secondary MCL [B]	3	13 [E]

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Regulatory Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [2]	Additional Regulatory Limits (µg/L)
TCL Semivolatile Organic Compounds					
Acenaphthene	Exceedances with respect to federal and state drinking water standards, and state action levels.				
Acenaphthylene					
Acetophenone					
Aniline (Phenylamine) (Aminobenzene)	Evaluate water treatment system design.				
Anthracene	Evaluate remedial action performance.				
Benzaldehyde					
Benzoic Acid (Carboxybenzene)					
Benzo(a)anthracene					
Benzo(a)pyrene		0.2	CA/USEPA Primary MCL [A,] [C]	0.1	0.004 [E]
Benzo(b)fluoranthene					
Benzo(g,h,i)perylene					
Benzo(k)fluoranthene					
Benzyl Alcohol (Phenylmethanol)					
1,1'-Biphenyl					
Bis(2-chloroethoxy)methane					
Bis(2-chloroethyl)ether					
Bis(2-chloroisopropyl)ether					
4-Bromophenyl-phenyl ether					
Butylbenzyl phthalate (BBP)					
Caprolactam					
Carbazole					
4-Chloro-3-methylphenol					
4-Chloroaniline					

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Regulatory Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [2]	Additional Regulatory Limits (µg/L)
2-Chloronaphthalene	Exceedances with respect to federal and state drinking water standards, and state action levels.				
2-Chlorophenol					
4-Chlorophenyl-phenyl ether					
Chrysene	Evaluate water treatment system design.				
Di(2-ethylhexyl)adipate		400	CA/USEPA Primary MCL [A] [C]	5	200 [E]
Di(2-ethylhexyl)phthalate	Evaluate remedial action performance.	4	CA Primary MCL [A]	3	6 [C]; 12 [E]
Dibenz(a,h)anthracene					
Dibenzofuran (Diphenylene oxide)					
3,3'-Dichlorobenzidine					
2,4-Dichlorophenol					
Diethyl phthalate (DEP)					
Dimethyl phthalate					
2,4-Dimethylphenol		100	CA DHS State Action Level [F]		
4,6-Dinitro-2-methylphenol					
2,4-Dinitrophenol					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Di-n-butylphthalate (Dibutyl phthalate)					
Di-n-octylphthalate(Dioctyl phthalate)					
Endothall		100	CA/USEPA Primary MCL [A,] [C]	45	580 [E]
Fluoranthene (Idryl)					
Fluorene					
Glyphosate		700	CA/USEPA Primary MCL [A] [C]	25	1,000 [E]
Hexachlorobenzene		1	CA/USEPA Primary MCL [A] [C]	0.5	0.03 [E]

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Regulatory Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [2]	Additional Regulatory Limits (µg/L)
Hexachlorocyclopentadiene	Exceedances with respect to federal and state drinking water standards, and state action levels.	50	CA/USEPA Primary MCL [A] [C]	1	50 [E]
Hexachloroethane					
Indeno(1,2,3-cd)pyrene					
Isophorone	Evaluate water treatment system design.				
2-Methylnaphthalene					
2-Methylphenol	Evaluate remedial action performance.				
4-Methylphenol					
3,4-Methylphenol					
2-Nitroaniline					
3-Nitroaniline					
2-Nitrophenol					
4-Nitroaniline					
4-Nitrophenol					
Pentachlorophenol		1	CA/USEPA Primary MCL [A] [C]	0.2	0.4 [E]
Phenanthrene					
Phenol		4,200	CA DHS State Action Level [F]		
Pyrene					
Pyridine					
2,4,6-Trichlorophenol					
2,4,5-Trichlorophenol					
Emergent Compounds	Exceedances with respect to federal and state drinking water standards, and state action levels.				
1,4-Dioxane		3	CA DHS State Action Level [F]		15 [I]
N-Nitrosodimethylamine (NDMA)		0.01	CA DHS State Action Level [F]		0.02 [I]
1,2,3-Trichloropropane (1,2,3-TCP)	Evaluate water treatment system design.	0.005	CA DHS State Action Level [F]		

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Regulatory Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [2]	Additional Regulatory Limits (µg/L)
Treatment/Discharge Parameters					
Total Organic Parameters	Evaluate groundwater treatment alternatives.				
Total Organic Carbon					
Biological Oxygen Demand	Evaluate treated groundwater discharge alternatives.				
Chemical Oxygen Demand					

Notes:

(1) ARARs from June 2003 California EPA Compilation of Water Quality Goals and Updates through September 2003.

(2) California Department of Health Services required Detection Limit for Purposes of Reporting (DLR).

(3) Calculated ARAR based on hardness = 120 mg/L as $CaCO_3$.

(A) California Department of Health Services Primary MCL for Drinking Water.

(B) California Department of Health Services Secondary MCL for Drinking Water.

(C) USEPA Primary MCL for Drinking Water.

(D) USEPA Secondary MCL for Drinking Water.

(E) California Office of Environmental Health Hazard Assessment Public Health Goal for Drinking Water.

(F) California Department of Health Services State Action Level for Toxicity.

(G) California Department of Health Services State Action Level for Taste and Odor.

(H) Other Taste and Odor Thresholds.

(I) California Proposition 65 Regulatory Level for Drinking Water.

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [3]	Additional Regulatory Limits (µg/L)
Emergent Compounds					
Chromium (VI)	Exceedances with respect to federal and state drinking water standards, and state action levels.	11 (0.2) [4]	California Toxics Rule for Aquatic Life Protection [H]	1	
Perchlorate		4	CA DHS State Action Level [F]	4 (preliminary)	
	Evaluate water treatment system design.				
TAL Inorganics					
Aluminum	Exceedances with respect to federal and state drinking water standards, and state action levels.	50	USEPA Secondary MCL [D]11	50	200 [B]; 600 [E]
Antimony		6	CA/USEPA Primary MCL [A] [C]	6	20 [E]
Arsenic		10	USEPA Primary MCL [C]	2	50 [A]; 0.004 [E]
Barium	Evaluate groundwater treatment alternatives and treated groundwater discharge options.	1,000	CA Primary MCL [A]	100	2,000 [C] [E]
Beryllium		4	CA/USEPA Primary MCL [A] [C]	1	1 [E]
Cadmium		5	CA/USEPA Primary MCL [A] [C]	1	0.07 [E]; 2.6 [3] [H]
Calcium					
Chromium (total)		50	CA Primary MCL [A]	10	100 [C]
Cobalt					
Copper		11 [2]	California Toxics Rule for Aquatic Life Protection [H]	50	170 [E] ; 1300 [F]
Iron		300	CA/USEPA Secondary MCL [B] [D]	100	
Lead		3.1	California Toxics Rule for Aquatic Life Protection [H]	5	15 [F]; 2 [E]; 0.25 [G]
Magnesium					
Manganese		50	CA/USEPA Secondary MCL [B] [D]	20	
Mercury		2	CA/USEPA Primary MCL [A] [C]	1	1.2 [E]
Molybdenum					
Nickel		61	California Toxics Rule for Aquatic Life Protection [H]	10	100 [A];12 [E]
Potassium					
Selenium		5	California Toxics Rule for Aquatic Life Protection [H]	5	50 [A] [C]

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [3]	Additional Regulatory Limits (µg/L)
Silver	Exceedances with respect to federal and state drinking water standards, and state action levels.	4.7 [2]	California Toxics Rule for Aquatic Life Protection [I]	10	100 [B] [D]
Sodium					
Thallium		2.0	CA/USEPA Primary MCL [A] [C]	1	0.1 [E]
Vanadium	Evaluate groundwater treatment alternatives and treated groundwater discharge options.	50	CA DHS State Action Level [F]	3 (preliminary)	
Zinc		140 [2]	California Toxics Rule for Aquatic Life Protection [H]	50	5,000 [B] [D]
Cyanide		5.2	California Toxics Rule for Aquatic Life Protection [H]	100	200 [C];150 [E]
Additional Inorganics					
Boron	Evaluate groundwater treatment alternatives and treated groundwater discharge options	1,000	CA DHS State Action Level [F]		
Silicon					
Treatment/Discharge Parameters					
pH	Evaluate groundwater treatment alternatives and treated groundwater discharge options	6.5 to 8.5	USEPA Secondary MCL [D]		
Alkalinity					
Ammonia		500	Other Tastes and Odors [J]		
Bicarbonate	Exceedances with respect to federal and state drinking water standards, and state action levels				
Bromide					
Chloride		250,000	CA/USEPA Secondary MCL [B,D]		
Fluoride		1,000	CA PHG [E]	100	2,000 [A] [D]
Nitrate (as N)		10,000	USEPA Primary MCL [C]		10,000 [E]
Nitrite (as N)		1,000	CA/USEPA Primary MCL [A] [C]	400	1,000 [E]
Phosphorus (orthophosphate, total phosphorus)					
Sulfate		250,000	CA Secondary MCL [B]	500	250,000 [D]

TABLE A-1
Data Needs and Uses
Quality Assurance Project Plan, Omega OU-2

Compound	Uses/Decisions	Applicable Limit (µg/L)	Applicable ARAR [1]	California DHS DLR (µg/L) [3]	Additional Regulatory Limits (µg/L)
Total dissolved solids (TDS)	Evaluate groundwater treatment alternatives and treated groundwater discharge options Exceedances with respect to federal and state drinking water standards, and state action levels	250,000	CA/USEPA Secondary MCL [B,D]		

NOTES:

(1) ARARs from June 2003 California EPA Compilation of Water Quality Goals and Updates through September 2003.

(2) Calculated ARAR based on hardness = 120 mg/L as $CaCO_3$.

(3) California Department of Health Services required Detection Limit for Purposes of Reporting (DLR).

(4) 0.2 µg/L detection level is needed for comparability to other databases in the region per previous DHS limit.

(A) California Department of Health Services Primary MCL for Drinking Water.

(B) California Department of Health Services Secondary MCL for Drinking Water.

(C) USEPA Primary MCL for Drinking Water.

(D) USEPA Secondary MCL for Drinking Water.

(E) California Office of Environmental Health Hazard Assessment Public Health Goal for Drinking Water.

(F) California Department of Health Services State Action Level for Toxicity.

(G) California Proposition 65 Regulatory Level for Drinking Water.

(H) California Toxics Rule for Freshwater Aquatic Life Protection - Continuous (4-day average) Concentration.

(I) California Toxics Rule for Freshwater Aquatic Life Protection - Maximum (1-hr average) Concentration.

(J) Other Taste and Odor Thresholds.

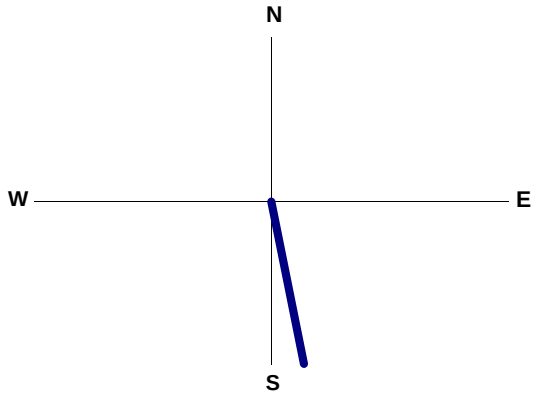
Appendix D
OU2 Shallow Groundwater Gradient Calculations

Groundwater Flow Gradient

Date: 1Q2008

Well ID	Easting, x (meters)	Northing, y (meters)	Groundwater Elevation (meters)
MW30	401820.19	3753277.41	3.54
Cenco-MW-606	401299.00	3754238.00	6.43
Cenco-MW-607	401650.00	3754450.00	6.89

Gradient: 0.0028 (dimensionless)

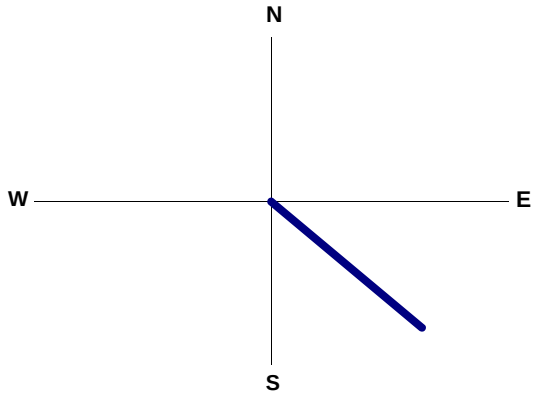


Groundwater Flow Gradient

Date: 1Q2009

Well ID	Easting, x (meters)	Northing, y (meters)	Groundwater Elevation (meters)
MW30	401820.19	3753277.41	2.58
MW29	400888.76	3753618.89	6.22
Cenco-MW-607	401650.00	3754450.00	6.89

Gradient: 0.0043 (dimensionless)

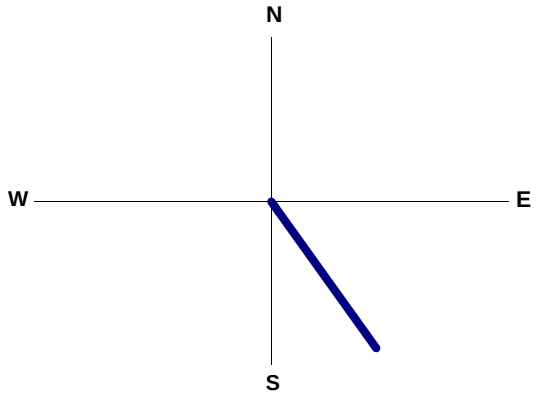


Groundwater Flow Gradient

Date: 3Q2009

Well ID	Easting, x (meters)	Northing, y (meters)	Groundwater Elevation (meters)
MW30	401820.19	3753277.41	1.35
MW29	400888.76	3753618.89	5.43
Cenco-W-4	401686.00	3754886.00	9.86

Gradient: 0.0057 (dimensionless)

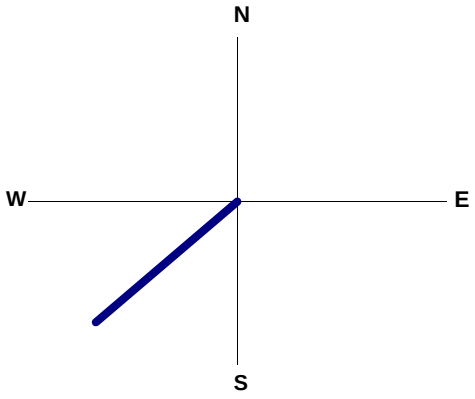


Groundwater Flow Gradient

Date: 1Q2008

Well ID	Easting, x (meters)	Northing, y (meters)	Groundwater Elevation (meters)
MW19	401687.06	3756760.85	27.57
MW20A	400670.84	3756601.72	20.63
MW27A	400902.97	3755901.78	17.52

Gradient: 0.0086 (dimensionless)

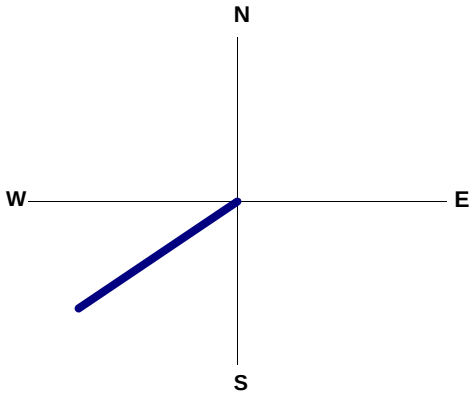


Groundwater Flow Gradient

Date: 1Q2009

Well ID	Easting, x (meters)	Northing, y (meters)	Groundwater Elevation (meters)
MW19	401687.06	3756760.85	25.83
MW20A	400670.84	3756601.72	18.09
MW27A	400902.97	3755901.78	15.60

Gradient: 0.0089 (dimensionless)

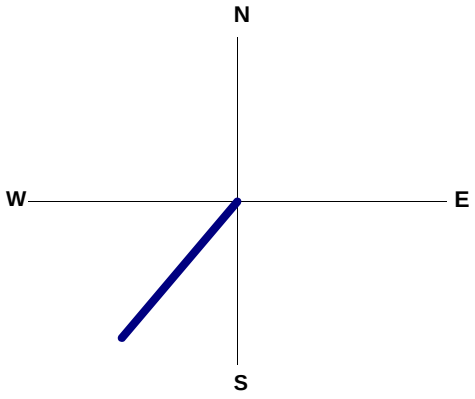


Groundwater Flow Gradient

Date: 3Q2009

Well ID	Easting, x (meters)	Northing, y (meters)	Groundwater Elevation (meters)
MW26A	401270.06	3757125.16	21.48
MW20A	400670.84	3756601.72	17.19
MW27A	400902.97	3755901.78	14.64

Gradient: 0.0056 (dimensionless)

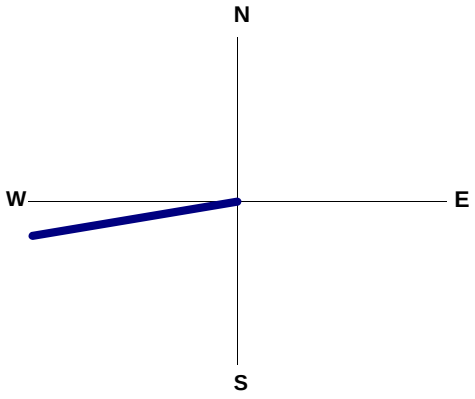


Groundwater Flow Gradient

Date: 1Q2008

Well ID	Easting, x (meters)	Northing, y (meters)	Groundwater Elevation (meters)
MW2	402799.48	3758870.16	36.43
MW3	402931.54	3758376.49	36.47
MW5	402519.71	3758707.96	35.95

Gradient: 0.0016 (dimensionless)

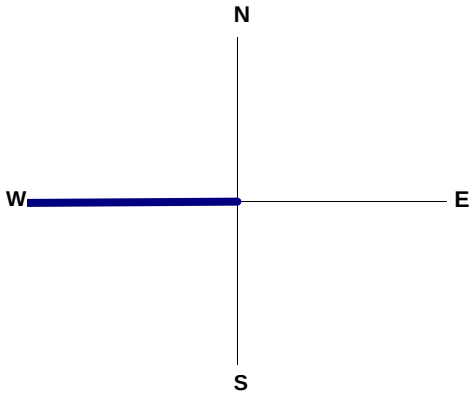


Groundwater Flow Gradient

Date: 1Q2009

Well ID	Easting, x (meters)	Northing, y (meters)	Groundwater Elevation (meters)
MW2	402799.48	3758870.16	34.73
MW3	402931.54	3758376.49	35.05
MW5	402519.71	3758707.96	34.03

Gradient: 0.0025 (dimensionless)

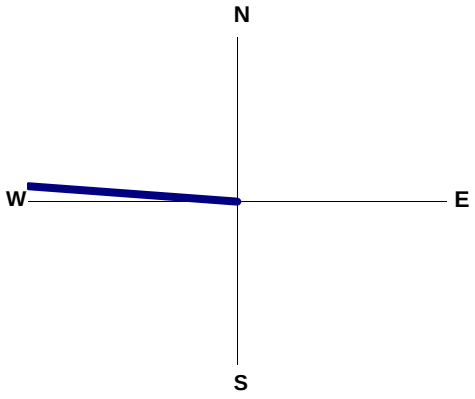


Groundwater Flow Gradient

Date: 3Q2009

Well ID	Easting, x (meters)	Northing, y (meters)	Groundwater Elevation (meters)
MW2	402799.48	3758870.16	33.99
MW3	402931.54	3758376.49	34.37
MW5	402519.71	3758707.96	33.41

Gradient: 0.0022 (dimensionless)



Appendix E
VOC Detection Summary: 1Q2008, 1Q2009, and 3Q2009 (on CD only)

Appendix E.1
1Q2008 VOC Detection Summary

Appendix E1
Summary of Detections - First Quarter 2008
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
1,1,1-Trichloroethane	12	0.50 to 5.00	0.2 J to 2600	OW1A	200	1	CA/USEPA Primary MCL
1,1,2,2-Tetrachloroethane	NA	0.50 to 50.0	ND	NE	1	0	CA Primary MCL
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44	0.50 to 5000	0.23 J to 1200	OW8A	1200	0	CA/USEPA Primary MCL
1,1,2-Trichloroethane	7	0.50 to 50.0	0.21 J to 0.8	MW23A	5	0	CA/USEPA Primary MCL
1,1-Dichloroethane	26	0.50 to 5.00	0.22 J to 100	MW17A	5	7	CA Primary MCL
1,1-Dichloroethene	50	0.50 to 1.00	0.21 J to 1000	OW1A	6	34	CA Primary MCL
1,1-Dichloropropene	NA	0.50 to 50.0	ND	NE	NE	0	
1,2,3-Trichlorobenzene	NA	0.50 to 50.0	ND	NE	NE	0	
1,2,3-Trichloropropane	NA	0.50 to 50.0	ND	NE	0.005	0	CA Department of Health Services State notification
1,2,4-Trichlorobenzene	NA	0.50 to 50.0	ND	NE	5	0	CA Primary MCL
1,2,4-Trimethylbenzene	NA	0.50 to 50.0	ND	NE	330	0	CA Department of Health Services State notification
1,2-Dibromo-3-chloropropane	NA	0.50 to 5000	ND	NE	0.2	0	CA/USEPA Primary MCL
1,2-Dibromoethane	NA	0.50 to 50.0	ND	NE	0.05	0	CA/USEPA Primary MCL
1,2-Dichlorobenzene	1	0.50 to 50.0	0.22 J	MW6	600	0	CA/USEPA Primary MCL
1,2-Dichloroethane	20	0.50 to 500	0.94 to 280	EW-2	0.5	20	CA Primary MCL
1,2-Dichloropropane	NA	0.50 to 50.0	ND	NE	5	0	CA/USEPA Primary MCL
1,3,5-Trimethylbenzene	NA	0.50 to 50.0	ND	NE	330	0	CA Department of Health Services State notification
1,3-Dichlorobenzene	NA	0.50 to 50.0	ND	NE	600	0	CA Department of Health Services State notification
1,4-Dichlorobenzene	NA	0.50 to 50.0	ND	NE	5	0	CA Primary MCL
2,2-Dichloropropane	NA	0.50 to 50.0	ND	NE	NE	0	
2-Chlorotoluene	NA	0.50 to 50.0	ND	NE	140	0	CA Department of Health Services State notification
2-Hexanone	NA	5	ND	NE	NE	0	
4-Chlorotoluene	NA	0.50 to 50.0	ND	NE	140	0	CA Department of Health Services State notification
Benzene	5	0.50 to 500	0.21 J to 0.29 J	MW23A	1	0	CA Primary MCL
Bromochloromethane	NA	0.50 to 50.0	ND	NE	NE	0	
Bromodichloromethane	NA	0.50 to 50.0	ND	NE	80	0	CA/USEPA Primary MCL
Bromoform	NA	0.50 to 50.0	ND	NE	80	0	CA/USEPA Primary MCL
Carbon disulfide	NA	0.5	ND	NE	160	0	CA Department of Health Services State notification
Carbon tetrachloride	4	0.50 to 500	0.2 J to 0.37 J	MW17C	0.5	0	CA Primary MCL
Chlorobenzene	NA	0.50 to 50.0	ND	NE	70	0	CA Primary MCL
Chloroethane	NA	0.50 to 50.0	ND	NE	16	0	Other taste and Odor
Chloroform	44	0.50 to 1000	0.23 J to 1100	EW-2	80	6	CA/USEPA Primary MCL
cis-1,2-Dichloroethene	40	0.50 to 50.0	0.24 J to 170 J	MW17A	6	15	CA Primary MCL
cis-1,3-Dichloropropene	1	0.50 to 500	0.21 J	MW26C	0.5	0	CA Primary MCL for 1,3-dichloropropene
Dibromochloromethane	NA	0.50 to 50.0	ND	NE	80	0	CA/USEPA Primary MCL
Dichlorodifluoromethane (Freon 12)	13	0.50 to 5000	0.25 J to 2.9	MW15	1000	0	CA Department of Health Services State notification
Dichlorotrifluoroethane	1	NA	4.2 J	OW1B	NE	0	
Ethylbenzene	NA	0.50 to 50.0	ND	NE	300	0	CA Primary MCL
Isopropylbenzene	NA	0.50 to 50.0	ND	NE	770	0	CA Department of Health Services State notification
m,p-Xylenes	NA	0.50 to 5.00	ND	NE	1750	0	CA Primary MCL
Methyl cyclohexane	NA	0.5	ND	NE	NE	0	

Appendix E1
Summary of Detections - First Quarter 2008
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
Methyl isobutyl ketone	NA	5	ND	NE	120	0	CA Department of Health Services State notification
Methyl tert-butyl ether	19	0.50 to 5.00	0.2 J to 3.9	MW30	13	0	CA Primary MCL
Methylene chloride	4	0.50 to 5000	5 J to 480 J	OW1A	5	3	CA/USEPA Primary MCL
Naphthalene	NA	0.50 to 50.0	ND	NE	17	0	CA Department of Health Services State notification
N-butylbenzene	NA	0.50 to 50.0	ND	NE	260	0	CA Department of Health Services State notification
n-Propylbenzene	NA	0.50 to 50.0	ND	NE	260	0	CA Department of Health Services State notification
o-Xylene	NA	0.50 to 50.0	ND	NE	1750	0	CA Primary MCL
p-Isopropyltoluene	NA	0.50 to 50.0	ND	NE	NE	0	
sec-Butylbenzene	NA	0.50 to 50.0	ND	NE	260	0	CA Department of Health Services State notification
Styrene	NA	0.50 to 50.0	ND	NE	100	0	CA/USEPA Primary MCL
t-Butylbenzene	NA	0.50 to 50.0	ND	NE	260	0	CA Department of Health Services State notification
Tetrachloroethene	66	0.5	0.2 J to 170000 J	OW1A	5	48	CA/USEPA Primary MCL
Toluene	NA	0.50 to 50.0	ND	NE	150	0	CA Primary MCL
trans-1,2-Dichloroethene	15	0.50 to 50.0	0.22 J to 56 J	MW23A	10	5	CA Primary MCL
trans-1,3-Dichloropropene	NA	0.50 to 500	ND	NE	0.5	0	CA Primary MCL for 1,3-dichloropropene
Trichloroethene	62	0.50 to 1.00	0.28 J to 3800	OW1A	5	43	CA/USEPA Primary MCL
Trichlorofluoromethane (Freon 11)	38	0.50 to 50.0	0.65 to 370	MW15	150	7	CA Primary MCL
Vinyl chloride	2	0.50 to 500	0.4 J to 0.43 J	MW27B	0.5	0	CA Primary MCL

Notes:
J = Estimated value
ug/L = micrograms per Liter
NE = Not Established
NA = Not Applicable

Appendix E.2
1Q2009 VOC Detection Summary

Appendix E2
Summary of Detections - First Quarter 2009
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
1,1,1-Trichloroethane	7	0.50 to 20.0	0.23 J to 2000	OW1A	200	2	CA/USEPA Primary MCL
1,1,2,2-Tetrachloroethane	3	0.50 to 20.0	0.5 J	MW1A, MW8D	1	0	CA Primary MCL
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43	0.50 to 5000	0.3 J to 1700	OW8A	1200	1	CA/USEPA Primary MCL
1,1,2-Trichloroethane	4	0.50 to 20.0	0.5 J to 90 J	OW8A	5	1	CA/USEPA Primary MCL
1,1-Dichloroethane	23	0.50 to 20.0	0.2 J to 74 J	OW8A	5	5	CA Primary MCL
1,1-Dichloroethene	49	0.50 to 1.00	0.22 J to 1500	OW9	6	32	CA Primary MCL
1,1-Dichloropropene	NA	1.00 to 20.0	ND	NE	NE	0	
1,2,3-Trichlorobenzene	6	0.50 to 20.0	0.5 J	MW10, MW8D	NE	0	
1,2,3-Trichloropropane	NA	1.00 to 20.0	ND	NE	0.005	0	CA Department of Health Services State notification
1,2,4-Trichlorobenzene	6	0.50 to 20.0	0.5 J	MW10, MW8D	5	0	CA Primary MCL
1,2,4-Trimethylbenzene	NA	1.00 to 20.0	ND	NE	330	0	CA Department of Health Services State notification
1,2-Dibromo-3-chloropropane	5	0.50 to 5000	0.5 J	MW1A, MW8D	0.200000003	5	CA/USEPA Primary MCL
1,2-Dibromoethane	3	0.50 to 20.0	0.5 J	MW1A, MW8D	0.050000001	3	CA/USEPA Primary MCL
1,2-Dichlorobenzene	7	0.50 to 20.0	0.5 J to 11 J	OW1B	600	0	CA/USEPA Primary MCL
1,2-Dichloroethane	11	0.50 to 500	0.5 J to 310	OW8A	0.5	9	CA Primary MCL
1,2-Dichloropropane	3	0.50 to 20.0	0.5 J	MW1A, MW8D	5	0	CA/USEPA Primary MCL
1,3,5-Trimethylbenzene	NA	1.00 to 20.0	ND	NE	330	0	CA Department of Health Services State notification
1,3-Dichlorobenzene	7	0.50 to 20.0	0.5 J to 0.52 J	OW1B	600	0	CA Department of Health Services State notification
1,4-Dichlorobenzene	7	0.50 to 20.0	0.5 J to 1.4 J	OW1B	5	0	CA Primary MCL
2,2-Dichloropropane	NA	1.00 to 20.0	ND	NE	NE	0	
2-Chlorotoluene	NA	1.00 to 20.0	ND	NE	140	0	CA Department of Health Services State notification
2-Hexanone	3	5	5 J	MW1A, MW8D	NE	0	
4-Chlorotoluene	NA	1.00 to 20.0	ND	NE	140	0	CA Department of Health Services State notification
Benzene	4	0.50 to 500	0.44 J to 21 J	OW1B	1	1	CA Primary MCL
Bromochloromethane	2	0.50 to 20.0	0.5 J	MW8C, MW8D	NE	0	
Bromodichloromethane	4	0.50 to 20.0	0.5 J to 0.91 J	OW7	80	0	CA/USEPA Primary MCL
Bromoform	7	0.50 to 20.0	0.5 J to 0.99 J	OW7	80	0	CA/USEPA Primary MCL
Carbon disulfide	2	0.5	0.5 J	MW8C, MW8D	160	0	CA Department of Health Services State notification
Carbon tetrachloride	3	0.50 to 500	0.23 J to 0.5 J	MW1A, MW8C	0.5	0	CA Primary MCL
Chlorobenzene	4	0.50 to 20.0	0.5 J to 2.7 J	OW1B	70	0	CA Primary MCL
Chloroethane	2	0.50 to 20.0	0.5 J	MW8C, MW8D	16	0	Other taste and Odor
Chloroform	37	0.50 to 1000	0.21 J to 1100	OW9	80	2	CA/USEPA Primary MCL
cis-1,2-Dichloroethene	34	0.50 to 20.0	0.22 J to 170 J	MW1A	6	9	CA Primary MCL
cis-1,3-Dichloropropene	3	0.50 to 500	0.5 J	MW1A, MW8D	0.5	0	CA Primary MCL for 1,3-dichloropropene
Dibromochloromethane	5	0.50 to 20.0	0.5 J to 1.2	OW7	80	0	CA/USEPA Primary MCL
Dichlorodifluoromethane (Freon 12)	3	0.50 to 5000	0.42 J to 0.5 J	MW8C, MW8D	1000	0	CA Department of Health Services State notification
Ethylbenzene	4	0.50 to 20.0	0.5 J to 1.5 J	OW1B	300	0	CA Primary MCL
Isopropylbenzene	4	0.50 to 20.0	0.5 J to 2.3 J	OW1B	770	0	CA Department of Health Services State notification
m,p-Xylenes	4	0.50 to 20.0	0.5 J to 1.1 J	OW1B	1750	0	CA Primary MCL
Methyl cyclohexane	4	0.5	0.5 J to 1.1	MW27B	NE	0	
Methyl isobutyl ketone	3	5	5 J	MW1A, MW8D	120	0	CA Department of Health Services State notification
Methyl tert-butyl ether	5	0.50 to 20.0	0.28 J to 1.1	MW30	13	0	CA Primary MCL

Appendix E2
Summary of Detections - First Quarter 2009
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
Methylene chloride	4	0.50 to 5000	0.5 J to 1200	OW8A	5	2	CA/USEPA Primary MCL
Naphthalene	NA	1.00 to 20.0	ND	NE	17	0	CA Department of Health Services State notification
N-butylbenzene	NA	1.00 to 20.0	ND	NE	260	0	CA Department of Health Services State notification
n-Propylbenzene	NA	1.00 to 20.0	ND	NE	260	0	CA Department of Health Services State notification
o-Xylene	4	0.50 to 20.0	0.5 J to 1.2 J	OW1B	1750	0	CA Primary MCL
p-Isopropyltoluene	NA	1.00 to 20.0	ND	NE	NE	0	
sec-Butylbenzene	NA	1.00 to 20.0	ND	NE	260	0	CA Department of Health Services State notification
Styrene	3	0.50 to 20.0	0.5 J	MW1A, MW8D	100	0	CA/USEPA Primary MCL
t-Butylbenzene	NA	1.00 to 20.0	ND	NE	260	0	CA Department of Health Services State notification
Tetrachloroethene	61	0.5	0.21 J to 150000	OW1A	5	45	CA/USEPA Primary MCL
Toluene	5	0.50 to 20.0	0.5 J to 38 J	OW1B	150	0	CA Primary MCL
trans-1,2-Dichloroethene	12	0.50 to 20.0	0.2 J to 49 J	OW8A	10	1	CA Primary MCL
trans-1,3-Dichloropropene	3	0.50 to 500	0.5 J	MW1A, MW8D	0.5	0	CA Primary MCL for 1,3-dichloropropene
Trichloroethene	57	0.50 to 1.00	0.33 J to 11000 J	OW1B	5	41	CA/USEPA Primary MCL
Trichlorofluoromethane (Freon 11)	40	0.50 to 1000	0.5 J to 280	OW9	150	3	CA Primary MCL
Vinyl chloride	3	0.50 to 500	0.5 J to 0.9	MW27A	0.5	1	CA Primary MCL

Notes:
J = Estimated value
ug/L = micrograms per Liter
NE = Not Established
NA = Not Applicable

Appendix E.3
3Q2009 VOC Detection Summary

Appendix E3
Summary of Detections - Third Quarter 2009
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
1,1,1-Trichloroethane	6	0.50 to 5.00	0.13 J to 1900	OW1a	200	1	CA/USEPA Primary MCL
1,1,2,2-Tetrachloroethane	NA	0.50 to 5.00	ND	NE	1	0	CA Primary MCL
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48	0.50 to 5.00	0.15 J to 710	OW9	1200	0	CA/USEPA Primary MCL
1,1,2-Trichloroethane	2	0.50 to 5.00	0.16 J to 13	MW27A	5	1	CA/USEPA Primary MCL
1,1-Dichloroethane	28	0.50 to 5.00	0.12 J to 46 J	OW9	5	7	CA Primary MCL
1,1-Dichloroethene	45	0.50 to 1.00	0.45 J to 1600	OW9	6	35	CA Primary MCL
1,1-Dichloropropene	NA	1.00 to 100	ND	NE	NE	0	
1,2,3-Trichlorobenzene	NA	0.50 to 5.00	ND	NE	NE	0	
1,2,3-Trichloropropane	NA	1.00 to 100	ND	NE	0.005	0	CA Department of Health Services State notification
1,2,4-Trichlorobenzene	NA	0.50 to 5.00	ND	NE	5	0	CA Primary MCL
1,2,4-Trimethylbenzene	NA	1.00 to 100	ND	NE	330	0	CA Department of Health Services State notification
1,2-Dibromo-3-chloropropane	NA	0.50 to 500	ND	NE	0.200000003	0	CA/USEPA Primary MCL
1,2-Dibromoethane	NA	0.50 to 5.00	ND	NE	0.050000001	0	CA/USEPA Primary MCL
1,2-Dichlorobenzene	1	0.50 to 5.00	18	OW1a	600	0	CA/USEPA Primary MCL
1,2-Dichloroethane	9	0.50 to 5.00	0.47 J to 250	OW9	0.5	8	CA Primary MCL
1,2-Dichloropropane	2	0.50 to 5.00	0.51 to 5.1	MW20A	5	1	CA/USEPA Primary MCL
1,3,5-Trimethylbenzene	NA	1.00 to 100	ND	NE	330	0	CA Department of Health Services State notification
1,3-Dichlorobenzene	NA	0.50 to 5.00	ND	NE	600	0	CA Department of Health Services State notification
1,4-Dichlorobenzene	NA	0.50 to 5.00	ND	NE	5	0	CA Primary MCL
2,2-Dichloropropane	NA	1.00 to 100	ND	NE	NE	0	
2-Chlorotoluene	NA	1.00 to 100	ND	NE	140	0	CA Department of Health Services State notification
2-Hexanone	NA	10.0 to 50.0	ND	NE	NE	0	
4-Chlorotoluene	NA	1.00 to 100	ND	NE	140	0	CA Department of Health Services State notification
Benzene	2	0.50 to 50.0	0.29 J to 6.2	OW1a	1	1	CA Primary MCL
Bromochloromethane	NA	0.50 to 5.00	ND	NE	NE	0	
Bromodichloromethane	5	0.50 to 5.00	0.12 J to 0.97 J	OW7	80	0	CA/USEPA Primary MCL
Bromoform	1	0.50 to 5.00	0.14 J	MW2	80	0	CA/USEPA Primary MCL
Carbon disulfide	1	0.50 to 5.00	7.3 J	MW1A	160	0	CA Department of Health Services State notification
Carbon tetrachloride	13	0.50 to 50.0	0.11 J to 0.36 J	MW16B	0.5	0	CA Primary MCL
Chlorobenzene	1	0.50 to 5.00	6.8 J	OW1a	70	0	CA Primary MCL
Chloroethane	1	0.50 to 5.00	0.31 J	MW12	16	0	Other taste and Odor
Chloroform	46	0.50 to 2.00	0.24 J to 1100	OW9	80	3	CA/USEPA Primary MCL
cis-1,2-Dichloroethene	40	0.50 to 5.00	0.16 J to 110	MW12	6	16	CA Primary MCL
cis-1,3-Dichloropropene	NA	0.50 to 50.0	ND	NE	0.5	0	CA Primary MCL for 1,3-dichloropropene
Dibromochloromethane	2	0.50 to 5.00	0.12 J to 0.96 J	OW7	80	0	CA/USEPA Primary MCL
Dichlorodifluoromethane (Freon 12)	9	0.50 to 500	0.11 J to 0.9 J	MW23C	1000	0	CA Department of Health Services State notification
Ethylbenzene	NA	0.50 to 5.00	ND	NE	300	0	CA Primary MCL
Isopropylbenzene	NA	0.50 to 5.00	ND	NE	770	0	CA Department of Health Services State notification
m,p-Xylenes	NA	0.50 to 5.00	ND	NE	1750	0	CA Primary MCL
Methyl cyclohexane	1	0.50 to 5.00	13	MW27A	NE	0	
Methyl isobutyl ketone	NA	10.0 to 50.0	ND	NE	120	0	CA Department of Health Services State notification

Appendix E3
Summary of Detections - Third Quarter 2009
Omega Chemical Superfund Site

Analyte	Number of Locations with Detects	Range of Reporting Limits of NonDetects (µg/L)	Range of Detected Concentrations	Location of Maximum Detect	Screening Level (µg/L)	Number of Locations > Screening Level	Screening Level Source
Methyl tert-butyl ether	22	0.50 to 5.00	0.12 J to 2.3 J	MW23C	13	0	CA Primary MCL
Methylene chloride	2	0.50 to 500	0.58 J to 33 J	OW1a	5	1	CA/USEPA Primary MCL
Naphthalene	NA	1.00 to 100	ND	NE	17	0	CA Department of Health Services State notification
N-butylbenzene	NA	1.00 to 100	ND	NE	260	0	CA Department of Health Services State notification
n-Propylbenzene	NA	1.00 to 100	ND	NE	260	0	CA Department of Health Services State notification
o-Xylene	NA	0.50 to 5.00	ND	NE	1750	0	CA Primary MCL
p-Isopropyltoluene	NA	1.00 to 100	ND	NE	NE	0	
sec-Butylbenzene	NA	1.00 to 100	ND	NE	260	0	CA Department of Health Services State notification
Styrene	NA	0.50 to 5.00	ND	NE	100	0	CA/USEPA Primary MCL
t-Butylbenzene	NA	1.00 to 100	ND	NE	260	0	CA Department of Health Services State notification
Tetrachloroethene	61	0.5	0.23 J to 240000	OW1a	5	45	CA/USEPA Primary MCL
Toluene	2	0.50 to 5.00	2.3 J to 9.4 J	OW1a	150	0	CA Primary MCL
trans-1,2-Dichloroethene	19	0.50 to 5.00	0.11 J to 11	OW1a	10	1	CA Primary MCL
trans-1,3-Dichloropropene	NA	0.50 to 50.0	ND	NE	0.5	0	CA Primary MCL for 1,3-dichloropropene
Trichloroethene	61	0.50 to 1.00	0.11 J to 2300	OW1a	5	40	CA/USEPA Primary MCL
Trichlorofluoromethane (Freon 11)	40	0.50 to 5.00	0.1 J to 260	OW9	150	2	CA Primary MCL
Vinyl chloride	3	0.50 to 50.0	0.15 J to 2.8	MW27A	0.5	1	CA Primary MCL

Notes:
J = Estimated value
µg/L = micrograms per Liter
NE = Not Established
NA = Not Applicable

Appendix F
OU1 and OU2 Lab Reports
(on CD only)

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:**	08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:**	03/06/08 11:16
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**		

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC1-OW1B-W-5-86	0802048-01	Water	02/20/08 08:40	02/21/08 09:40
OC1-OW1A-W-0-87	0802048-02	Water	02/20/08 09:10	02/21/08 09:40
OC1-OW4B-W-0-88	0802048-03	Water	02/20/08 10:55	02/21/08 09:40

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/06/08 11:16
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0802048-01									Water - Sampled: 02/20/08 08:40
Sample ID: OC1-OW1B-W-5-86									Semivolatile Organic Compounds by EPA Method 8270D
1,4-Dioxane		**20**	**J, Q2, Q4**	**0.9**	ug/L	B8B0120	02/21/08	02/27/08	8270C/SOP315
Surrogate: 1,4-Dioxane-d8		*1.76*		*35 %*	*10-129%*	"	"	"	
Lab ID: 0802048-02									Water - Sampled: 02/20/08 09:10
Sample ID: OC1-OW1A-W-0-87									Semivolatile Organic Compounds by EPA Method 8270D
1,4-Dioxane	**RE1**	**560**	**J, Q2**	**24**	ug/L	B8B0120	02/21/08	02/28/08	8270C/SOP315
Surrogate: 1,4-Dioxane-d8	**RE1**	*3.68*		*74 %*	*10-129%*	"	"	"	
Lab ID: 0802048-03									Water - Sampled: 02/20/08 10:55
Sample ID: OC1-OW4B-W-0-88									Semivolatile Organic Compounds by EPA Method 8270D
1,4-Dioxane		**ND**	**J, U**	**1.0**	ug/L	B8B0120	02/21/08	02/27/08	8270C/SOP315
Surrogate: 1,4-Dioxane-d8		*2.38*		*48 %*	*10-129%*	"	"	"	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
								Prepared: 02/21/08 Analyzed: 02/27/08		
Batch B8B0120 - 3520B CLLE - 1,4-Dioxane								Semivolatile Organic Compounds by EPA Method 8270D - Quality Control		
Blank (B8B0120-BLK1)										
1,4-Dioxane	ND	J, U	1.0	ug/L						
Surrogate: 1,4-Dioxane-d8	*2.23*			"	*5.00*		*45*	*10-129*		
LCS (B8B0120-BS1)										
1,4-Dioxane	15.2		1.0	ug/L	10.0		152	74-126		
Surrogate: 1,4-Dioxane-d8	*2.27*			"	*5.00*		*45*	*10-129*		
Matrix Spike (B8B0120-MS1)	**Source: 0802048-01**									
1,4-Dioxane	37.6	Q4	0.9	ug/L	9.48	20.4	181	54-141		
Surrogate: 1,4-Dioxane-d8	*1.78*			"	*5.00*		*36*	*10-129*		
Matrix Spike Dup (B8B0120-MSD1)	**Source: 0802048-01**									
1,4-Dioxane	38.4	Q4	1.0	ug/L	9.51	20.4	189	54-141	2	20
Surrogate: 1,4-Dioxane-d8	*1.98*			"	*5.00*		*40*	*10-129*		

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/06/08 11:16
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Qualifiers and Comments

Q4	The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)
Q2	The laboratory control standard associated with this sample did not meet recovery criteria for this analyte (see LCS results for this batch in QC summary).
J	The reported result for this analyte should be considered an estimated value.
U	Not Detected
NR	Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

United States Environmental Protection Agency
Region 9 Laboratory
1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R08S30**
SDG: 08052A

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Chris Lichens**
Site Cleanup Section 4
SFD-7-4

Attached are the results from the analysis of samples from the **Omega Chemical OU1 February 2008 Split Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

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

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

Electronic CC: **Tom Perina, CH2M-Hill**
Dan Jablonski, CH2M-Hill
Vikki Taylor, CH2M-Hill

Analyses included in this report:

VOCs

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
OC1-OW1B-W-5-86	0802048-01	Water	02/20/08 08:40	02/21/08 09:40
OC1-OW1A-W-0-87	0802048-02	Water	02/20/08 09:10	02/21/08 09:40
OC1-OW4B-W-0-88	0802048-03	Water	02/20/08 10:55	02/21/08 09:40

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Region 9 Laboratory

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**0802048-01**								Water - Sampled: 02/20/08 08:40
Sample ID:	**OC1-OW1B-W-5-86**								Volatile Organic Compounds by EPA Method 524.2
Dichlorodifluoromethane		**ND**	**U**	**0.5**	ug/L	B8B0123	02/21/08	02/21/08	524.2/SOP354
Chloromethane		**ND**	**J, Q6, U**	**0.5**	"	"	"	"	524.2/SOP354
Vinyl chloride		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Bromomethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Chloroethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Trichlorofluoromethane		**2.7**		**0.5**	"	"	"	"	524.2/SOP354
1,1-Dichloroethene		**0.9**		**0.5**	"	"	"	"	524.2/SOP354
1,1,2-Trichloro-1,2,2-trifluoroethane		**7.4**		**0.5**	"	"	"	"	524.2/SOP354
Acetone		**6.2**	**J, Q3**	**4.0**	"	"	"	"	524.2/SOP354
Dichloromethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
trans-1,2-Dichloroethene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
tert-Butyl methyl ether (MTBE)		**ND**	**U**	**2.0**	"	"	"	"	524.2/SOP354
1,1-Dichloroethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
2,2-Dichloropropane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
cis-1,2-Dichloroethene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
2-Butanone (MEK)		**ND**	**U**	**4.0**	"	"	"	"	524.2/SOP354
Bromochloromethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Chloroform		**0.3**	**C1, J**	**0.5**	"	"	"	"	524.2/SOP354
1,1,1-Trichloroethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Carbon tetrachloride		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1-Dichloropropene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Benzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dichloroethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Trichloroethene		**2.2**		**0.5**	"	"	"	"	524.2/SOP354
1,2-Dichloropropane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Dibromomethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Bromodichloromethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
cis-1,3-Dichloropropene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Toluene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
trans-1,3-Dichloropropene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1,2-Trichloroethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Tetrachloroethene	**RE1**	**64**		**2.5**	"	B8B0128	02/22/08	02/22/08	524.2/SOP354
1,3-Dichloropropane		**ND**	**U**	**0.5**	"	B8B0123	02/21/08	02/21/08	524.2/SOP354
Chlorodibromomethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dibromoethane (EDB)		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Chlorobenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1,1,2-Tetrachloroethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Ethylbenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
m&p-Xylene		**ND**	**U**	**1.0**	"	"	"	"	524.2/SOP354
o-Xylene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Styrene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Bromoform		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Isopropylbenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354

United States Environmental Protection Agency
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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: **0802048-01**									Water - Sampled: 02/20/08 08:40
Sample ID: **OC1-OW1B-W-5-86**									Volatile Organic Compounds by EPA Method 524.2
Bromobenzene		**ND**	**U**	**0.5**	ug/L	B8B0123	02/21/08	02/21/08	524.2/SOP354
1,1,2,2-Tetrachloroethane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2,3-Trichloropropane		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Propylbenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
2-Chlorotoluene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
4-Chlorotoluene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,3,5-Trimethylbenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
tert-Butylbenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2,4-Trimethylbenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
sec-Butylbenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,3-Dichlorobenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
p-Isopropyltoluene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,4-Dichlorobenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dichlorobenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Butylbenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dibromo-3-chloropropane		**ND**	**U**	**2.0**	"	"	"	"	524.2/SOP354
1,2,4-Trichlorobenzene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Hexachlorobutadiene		**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Naphthalene		**ND**	**C3, J, Q6, U**	**0.5**	"	"	"	"	524.2/SOP354
1,2,3-Trichlorobenzene		**ND**	**J, Q6, U**	**0.5**	"	"	"	"	524.2/SOP354
Ethane, dichloro-trifluoro-		**4.2**	**N TIC, J**		"	"	"	"	524.2/SOP354
unknown		**2.1**	**N TIC, J**		"	"	"	"	524.2/SOP354
Surrogate: 1,2-Dichloroethane-d4		*5.57*		*111 %*	*76-130%*	*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4	**RE1**	*6.02*		*120 %*	*76-130%*	*B8B0128*	*02/22/08*	*02/22/08*	
Surrogate: Toluene-d8		*5.00*		*100 %*	*83-120%*	*B8B0123*	*02/21/08*	*02/21/08*	
Surrogate: Toluene-d8	**RE1**	*4.49*		*90 %*	*83-120%*	*B8B0128*	*02/22/08*	*02/22/08*	
Surrogate: 4-Bromofluorobenzene		*4.06*		*81 %*	*74-110%*	*B8B0123*	*02/21/08*	*02/21/08*	
Surrogate: 4-Bromofluorobenzene	**RE1**	*3.89*		*78 %*	*74-110%*	*B8B0128*	*02/22/08*	*02/22/08*	
Surrogate: 1,2-Dichlorobenzene-d4		*4.23*		*85 %*	*69-120%*	*B8B0123*	*02/21/08*	*02/21/08*	
Surrogate: 1,2-Dichlorobenzene-d4	**RE1**	*4.86*		*97 %*	*69-120%*	*B8B0128*	*02/22/08*	*02/22/08*	

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**0802048-02**								Water - Sampled: 02/20/08 09:10
Sample ID:	**OC1-OW1A-W-0-87**								Volatile Organic Compounds by EPA Method 524.2
Dichlorodifluoromethane		**ND**	**U**	**50**	ug/L	B8B0123	02/21/08	02/21/08	524.2/SOP354
Chloromethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Vinyl chloride		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Bromomethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Chloroethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Trichlorofluoromethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,1-Dichloroethene		**1000**		**50**	"	"	"	"	524.2/SOP354
1,1,2-Trichloro-1,2,2-trifluoroethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Acetone		**ND**	**U**	**400**	"	"	"	"	524.2/SOP354
Dichloromethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
trans-1,2-Dichloroethene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
tert-Butyl methyl ether (MTBE)		**ND**	**U**	**200**	"	"	"	"	524.2/SOP354
1,1-Dichloroethane		**89**		**50**	"	"	"	"	524.2/SOP354
2,2-Dichloropropane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
cis-1,2-Dichloroethene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
2-Butanone (MEK)		**ND**	**U**	**400**	"	"	"	"	524.2/SOP354
Bromochloromethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Chloroform		**190**		**50**	"	"	"	"	524.2/SOP354
1,1,1-Trichloroethane	**RE2**	**2500**		**120**	"	B8B0128	"	02/22/08	524.2/SOP354
Carbon tetrachloride		**ND**	**U**	**50**	"	B8B0123	"	02/21/08	524.2/SOP354
1,1-Dichloropropene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Benzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,2-Dichloroethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Trichloroethene	**RE2**	**3800**		**120**	"	B8B0128	"	02/22/08	524.2/SOP354
1,2-Dichloropropane		**ND**	**U**	**50**	"	B8B0123	"	02/21/08	524.2/SOP354
Dibromomethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Bromodichloromethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
cis-1,3-Dichloropropene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Toluene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
trans-1,3-Dichloropropene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,1,2-Trichloroethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Tetrachloroethene	**RE3**	**170000**	**C2, J**	**500**	"	B8B0128	"	02/22/08	524.2/SOP354
1,3-Dichloropropane		**ND**	**U**	**50**	"	B8B0123	"	02/21/08	524.2/SOP354
Chlorodibromomethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,2-Dibromoethane (EDB)		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Chlorobenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,1,1,2-Tetrachloroethane		**75**		**50**	"	"	"	"	524.2/SOP354
Ethylbenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
m&p-Xylene		**ND**	**U**	**100**	"	"	"	"	524.2/SOP354
o-Xylene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Styrene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Bromoform		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Isopropylbenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte		Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	**0802048-02**								Water - Sampled: 02/20/08 09:10
Sample ID:	**OC1-OW1A-W-0-87**								Volatile Organic Compounds by EPA Method 524.2
Bromobenzene		**ND**	**U**	**50**	ug/L	B8B0123	02/21/08	02/21/08	524.2/SOP354
1,1,2,2-Tetrachloroethane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,2,3-Trichloropropane		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Propylbenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
2-Chlorotoluene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
4-Chlorotoluene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,3,5-Trimethylbenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
tert-Butylbenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,2,4-Trimethylbenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
sec-Butylbenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,3-Dichlorobenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
p-Isopropyltoluene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,4-Dichlorobenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,2-Dichlorobenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Butylbenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
1,2-Dibromo-3-chloropropane		**ND**	**U**	**200**	"	"	"	"	524.2/SOP354
1,2,4-Trichlorobenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Hexachlorobutadiene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Naphthalene		**ND**	**C3, J, U**	**50**	"	"	"	"	524.2/SOP354
1,2,3-Trichlorobenzene		**ND**	**U**	**50**	"	"	"	"	524.2/SOP354
Surrogate: 1,2-Dichloroethane-d4		*5.20*		*104 %*	*76-130%*	*"*	*"*	*"*	
Surrogate: 1,2-Dichloroethane-d4	**RE2**	*6.11*		*122 %*	*76-130%*	*B8B0128*	*"*	*02/22/08*	
Surrogate: 1,2-Dichloroethane-d4	**RE3**	*6.03*		*121 %*	*76-130%*	*"*	*"*	*02/22/08*	
Surrogate: Toluene-d8		*5.33*		*107 %*	*83-120%*	*B8B0123*	*"*	*02/21/08*	
Surrogate: Toluene-d8	**RE2**	*4.33*		*87 %*	*83-120%*	*B8B0128*	*"*	*02/22/08*	
Surrogate: Toluene-d8	**RE3**	*4.36*		*87 %*	*83-120%*	*"*	*"*	*02/22/08*	
Surrogate: 4-Bromofluorobenzene		*4.97*		*99 %*	*74-110%*	*B8B0123*	*"*	*02/21/08*	
Surrogate: 4-Bromofluorobenzene	**RE2**	*3.80*		*76 %*	*74-110%*	*B8B0128*	*"*	*02/22/08*	
Surrogate: 4-Bromofluorobenzene	**RE3**	*3.78*		*76 %*	*74-110%*	*"*	*"*	*02/22/08*	
Surrogate: 1,2-Dichlorobenzene-d4		*4.52*		*90 %*	*69-120%*	*B8B0123*	*"*	*02/21/08*	
Surrogate: 1,2-Dichlorobenzene-d4	**RE2**	*4.58*		*92 %*	*69-120%*	*B8B0128*	*"*	*02/22/08*	
Surrogate: 1,2-Dichlorobenzene-d4	**RE3**	*4.64*		*93 %*	*69-120%*	*"*	*"*	*02/22/08*	

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0802048-03								Water - Sampled: 02/20/08 10:55
Sample ID: OC1-OW4B-W-0-88								Volatile Organic Compounds by EPA Method 524.2
Dichlorodifluoromethane	**ND**	**U**	**0.5**	ug/L	B8B0128	02/21/08	02/22/08	524.2/SOP354
Chloromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Vinyl chloride	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Bromomethane	**ND**	**C3, J, U**	**0.5**	"	"	"	"	524.2/SOP354
Chloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Trichlorofluoromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1-Dichloroethene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1,2-Trichloro-1,2,2-trifluoroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Acetone	**ND**	**C3, J, U**	**4.0**	"	"	"	"	524.2/SOP354
Dichloromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
trans-1,2-Dichloroethene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
tert-Butyl methyl ether (MTBE)	**ND**	**U**	**2.0**	"	"	"	"	524.2/SOP354
1,1-Dichloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
2,2-Dichloropropane	**ND**	**C4, J, Q3, U**	**0.5**	"	"	"	"	524.2/SOP354
cis-1,2-Dichloroethene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
2-Butanone (MEK)	**ND**	**U**	**4.0**	"	"	"	"	524.2/SOP354
Bromochloromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Chloroform	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1,1-Trichloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Carbon tetrachloride	**ND**	**C3, J, U**	**0.5**	"	"	"	"	524.2/SOP354
1,1-Dichloropropene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Benzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dichloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Trichloroethene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dichloropropane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Dibromomethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Bromodichloromethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
cis-1,3-Dichloropropene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Toluene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
trans-1,3-Dichloropropene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1,2-Trichloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Tetrachloroethene	**1.4**		**0.5**	"	"	"	"	524.2/SOP354
1,3-Dichloropropane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Chlorodibromomethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dibromoethane (EDB)	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Chlorobenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,1,1,2-Tetrachloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Ethylbenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
m&p-Xylene	**ND**	**U**	**1.0**	"	"	"	"	524.2/SOP354
o-Xylene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Styrene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Bromoform	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Isopropylbenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Sample Results

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 0802048-03								Water - Sampled: 02/20/08 10:55
Sample ID: OC1-OW4B-W-0-88								Volatile Organic Compounds by EPA Method 524.2
Bromobenzene	**ND**	**U**	**0.5**	ug/L	B8B0128	02/21/08	02/22/08	524.2/SOP354
1,1,2,2-Tetrachloroethane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2,3-Trichloropropane	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Propylbenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
2-Chlorotoluene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
4-Chlorotoluene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,3,5-Trimethylbenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
tert-Butylbenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2,4-Trimethylbenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
sec-Butylbenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,3-Dichlorobenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
p-Isopropyltoluene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,4-Dichlorobenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dichlorobenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Butylbenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
1,2-Dibromo-3-chloropropane	**ND**	**U**	**2.0**	"	"	"	"	524.2/SOP354
1,2,4-Trichlorobenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Hexachlorobutadiene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Naphthalene	**ND**	**C3, J, U**	**0.5**	"	"	"	"	524.2/SOP354
1,2,3-Trichlorobenzene	**ND**	**U**	**0.5**	"	"	"	"	524.2/SOP354
Surrogate: 1,2-Dichloroethane-d4	*6.22*		*124 %*	*76-130%*	"	"	"	
Surrogate: Toluene-d8	*4.55*		*91 %*	*83-120%*	"	"	"	
Surrogate: 4-Bromofluorobenzene	*3.91*		*78 %*	*74-110%*	"	"	"	
Surrogate: 1,2-Dichlorobenzene-d4	*5.03*		*101 %*	*69-120%*	"	"	"	

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Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

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

Prepared & Analyzed: 02/21/08

Batch B8B0123 - - General VOA - VOCs

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Blank (B8B0123-BLK1)

Dichlorodifluoromethane	ND	U	0.5	ug/L
Chloromethane	ND	U	0.5	"
Vinyl chloride	ND	U	0.5	"
Bromomethane	ND	U	0.5	"
Chloroethane	ND	U	0.5	"
Trichlorofluoromethane	ND	U	0.5	"
1,1-Dichloroethene	ND	U	0.5	"
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"
Acetone	ND	U	4.0	"
Dichloromethane	ND	U	0.5	"
trans-1,2-Dichloroethene	ND	U	0.5	"
tert-Butyl methyl ether (MTBE)	ND	U	2.0	"
1,1-Dichloroethane	ND	U	0.5	"
2,2-Dichloropropane	ND	U	0.5	"
cis-1,2-Dichloroethene	ND	U	0.5	"
2-Butanone (MEK)	ND	U	4.0	"
Bromochloromethane	ND	U	0.5	"
Chloroform	ND	U	0.5	"
1,1,1-Trichloroethane	ND	U	0.5	"
Carbon tetrachloride	ND	U	0.5	"
1,1-Dichloropropene	ND	U	0.5	"
Benzene	ND	U	0.5	"
1,2-Dichloroethane	ND	U	0.5	"
Trichloroethene	ND	U	0.5	"
1,2-Dichloropropane	ND	U	0.5	"
Dibromomethane	ND	U	0.5	"
Bromodichloromethane	ND	U	0.5	"
cis-1,3-Dichloropropene	ND	U	0.5	"
Toluene	ND	U	0.5	"
trans-1,3-Dichloropropene	ND	U	0.5	"
1,1,2-Trichloroethane	ND	U	0.5	"
Tetrachloroethene	ND	U	0.5	"
1,3-Dichloropropane	ND	U	0.5	"
Chlorodibromomethane	ND	U	0.5	"
1,2-Dibromoethane (EDB)	ND	U	0.5	"
Chlorobenzene	ND	U	0.5	"
1,1,1,2-Tetrachloroethane	ND	U	0.5	"
Ethylbenzene	ND	U	0.5	"
m&p-Xylene	ND	U	1.0	"
o-Xylene	ND	U	0.5	"
Styrene	ND	U	0.5	"
Bromoform	ND	U	0.5	"
Isopropylbenzene	ND	U	0.5	"
Bromobenzene	ND	U	0.5	"
1,1,2,2-Tetrachloroethane	ND	U	0.5	"

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 02/21/08
Batch B8B0123 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B8B0123-BLK1)										
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2.0	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	C3, J, U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.85*			*"*	*5.00*		*117*	*76-130*		
Surrogate: Toluene-d8	*5.07*			*"*	*5.00*		*101*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*4.21*			*"*	*5.00*		*84*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.36*			*"*	*5.00*		*87*	*69-120*		
LCS (B8B0123-BS1)										
Dichlorodifluoromethane	5.37		0.5	ug/L	5.00		107	5.7-180		
Chloromethane	5.62		0.5	"	5.00		112	47-140		
Vinyl chloride	5.58		0.5	"	5.00		112	60-140		
Bromomethane	5.94		0.5	"	5.00		119	50-160		
Chloroethane	5.51		0.5	"	5.00		110	68-140		
Trichlorofluoromethane	5.50		0.5	"	5.00		110	63-150		
1,1-Dichloroethene	5.41		0.5	"	5.00		108	62-140		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.46		0.5	"	5.00		109	53-150		
Acetone	31.0		4.0	"	40.0		78	32-190		
Dichloromethane	5.17		0.5	"	5.00		103	62-120		
trans-1,2-Dichloroethene	5.54		0.5	"	5.00		111	70-140		
tert-Butyl methyl ether (MTBE)	20.0		2.0	"	20.0		100	59-150		
1,1-Dichloroethane	5.37		0.5	"	5.00		107	70-140		
2,2-Dichloropropane	5.96		0.5	"	5.00		119	60-150		
cis-1,2-Dichloroethene	5.55		0.5	"	5.00		111	67-140		
2-Butanone (MEK)	36.9		4.0	"	40.0		92	58-150		
Bromochloromethane	5.36		0.5	"	5.00		107	55-150		
Chloroform	5.37		0.5	"	5.00		107	62-140		
1,1,1-Trichloroethane	5.28		0.5	"	5.00		106	76-140		
Carbon tetrachloride	5.41		0.5	"	5.00		108	62-150		
1,1-Dichloropropene	5.54		0.5	"	5.00		111	75-130		
Benzene	5.27		0.5	"	5.00		105	79-120		

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Region 9 Laboratory

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 02/21/08
Batch B8B0123 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B8B0123-BS1)										
1,2-Dichloroethane	5.29		0.5	"	5.00		106	77-120		
Trichloroethene	5.20		0.5	"	5.00		104	79-140		
1,2-Dichloropropane	5.38		0.5	"	5.00		108	82-120		
Dibromomethane	5.19		0.5	"	5.00		104	80-120		
Bromodichloromethane	5.14		0.5	"	5.00		103	80-130		
cis-1,3-Dichloropropene	5.14		0.5	"	5.00		103	81-130		
Toluene	5.41		0.5	"	5.00		108	83-120		
trans-1,3-Dichloropropene	5.38		0.5	"	5.00		108	80-140		
1,1,2-Trichloroethane	5.27		0.5	"	5.00		105	80-120		
Tetrachloroethene	5.25		0.5	"	5.00		105	80-130		
1,3-Dichloropropane	5.36		0.5	"	5.00		107	78-120		
Chlorodibromomethane	5.32		0.5	"	5.00		106	80-130		
1,2-Dibromoethane (EDB)	5.40		0.5	"	5.00		108	83-120		
Chlorobenzene	5.22		0.5	"	5.00		104	85-120		
1,1,1,2-Tetrachloroethane	5.28		0.5	"	5.00		106	82-130		
Ethylbenzene	5.60		0.5	"	5.00		112	83-120		
m&p-Xylene	11.2		1.0	"	10.0		112	82-120		
o-Xylene	5.70		0.5	"	5.00		114	83-130		
Styrene	5.66		0.5	"	5.00		113	84-120		
Bromoform	5.31		0.5	"	5.00		106	72-140		
Isopropylbenzene	5.81		0.5	"	5.00		116	83-130		
Bromobenzene	5.36		0.5	"	5.00		107	84-120		
1,1,2,2-Tetrachloroethane	5.44		0.5	"	5.00		109	80-120		
1,2,3-Trichloropropane	5.47		0.5	"	5.00		109	79-130		
Propylbenzene	5.71		0.5	"	5.00		114	83-130		
2-Chlorotoluene	5.64		0.5	"	5.00		113	84-120		
4-Chlorotoluene	5.68		0.5	"	5.00		114	85-120		
1,3,5-Trimethylbenzene	5.76		0.5	"	5.00		115	84-120		
tert-Butylbenzene	5.81		0.5	"	5.00		116	83-130		
1,2,4-Trimethylbenzene	5.68		0.5	"	5.00		114	86-120		
sec-Butylbenzene	5.92		0.5	"	5.00		118	81-130		
1,3-Dichlorobenzene	5.40		0.5	"	5.00		108	83-120		
p-Isopropyltoluene	5.75		0.5	"	5.00		115	83-130		
1,4-Dichlorobenzene	5.29		0.5	"	5.00		106	79-120		
1,2-Dichlorobenzene	5.28		0.5	"	5.00		106	80-120		
Butylbenzene	5.93		0.5	"	5.00		119	83-130		
1,2-Dibromo-3-chloropropane	21.6		2.0	"	20.0		108	64-131		
1,2,4-Trichlorobenzene	5.42		0.5	"	5.00		108	74-140		
Hexachlorobutadiene	5.57		0.5	"	5.00		111	76-130		
Naphthalene	5.82		0.5	"	5.00		116	64-150		
1,2,3-Trichlorobenzene	5.86		0.5	"	5.00		117	58-150		
Surrogate: 1,2-Dichloroethane-d4	*5.08*			*"*	*5.00*		*102*	*76-130*		
Surrogate: Toluene-d8	*5.30*			*"*	*5.00*		*106*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*5.40*			*"*	*5.00*		*108*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.95*			*"*	*5.00*		*99*	*69-120*		

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 02/21/08
Batch B8B0123 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike (B8B0123-MS1)		**Source: 0802048-01**								
Dichlorodifluoromethane	4.65		0.5	ug/L	5.00	ND	93	25-135		
Chloromethane	4.37	Q6	0.5	"	5.00	ND	87	47-140		
Vinyl chloride	4.50		0.5	"	5.00	ND	90	43-150		
Bromomethane	3.48		0.5	"	5.00	ND	70	38-160		
Chloroethane	4.20		0.5	"	5.00	ND	84	59-140		
Trichlorofluoromethane	6.38		0.5	"	5.00	2.73	73	44-170		
1,1-Dichloroethene	4.97		0.5	"	5.00	0.880	82	33-160		
1,1,2-Trichloro-1,2,2-trifluoroethane	9.77		0.5	"	5.00	7.45	46	38-140		
Acetone	27.2		4.0	"	40.0	6.21	53	46-140		
Dichloromethane	5.74		0.5	"	5.00	ND	115	56-120		
trans-1,2-Dichloroethene	6.03		0.5	"	5.00	ND	121	59-130		
tert-Butyl methyl ether (MTBE)	23.2		2.0	"	20.0	ND	116	50-140		
1,1-Dichloroethane	5.84		0.5	"	5.00	ND	117	47-160		
2,2-Dichloropropane	4.80		0.5	"	5.00	ND	96	25-150		
cis-1,2-Dichloroethene	6.00		0.5	"	5.00	ND	120	55-140		
2-Butanone (MEK)	41.1		4.0	"	40.0	ND	103	43-150		
Bromochloromethane	6.02		0.5	"	5.00	ND	120	56-140		
Chloroform	6.04		0.5	"	5.00	0.251	116	30-170		
1,1,1-Trichloroethane	5.00		0.5	"	5.00	ND	100	36-150		
Carbon tetrachloride	4.98		0.5	"	5.00	ND	100	31-160		
1,1-Dichloropropene	5.38		0.5	"	5.00	ND	108	50-150		
Benzene	5.30		0.5	"	5.00	ND	106	74-122		
1,2-Dichloroethane	5.38		0.5	"	5.00	ND	108	69-140		
Trichloroethene	7.23		0.5	"	5.00	2.15	102	47-160		
1,2-Dichloropropane	5.34		0.5	"	5.00	ND	107	30-190		
Dibromomethane	5.21		0.5	"	5.00	ND	104	77-120		
Bromodichloromethane	5.24		0.5	"	5.00	ND	105	87-130		
cis-1,3-Dichloropropene	5.54		0.5	"	5.00	ND	111	67-138		
Toluene	5.04		0.5	"	5.00	ND	101	68-120		
trans-1,3-Dichloropropene	5.21		0.5	"	5.00	ND	104	65-150		
1,1,2-Trichloroethane	5.08		0.5	"	5.00	ND	102	74-131		
1,3-Dichloropropane	5.30		0.5	"	5.00	ND	106	67-130		
Chlorodibromomethane	5.23		0.5	"	5.00	ND	105	62-140		
1,2-Dibromoethane (EDB)	5.37		0.5	"	5.00	ND	107	73-130		
Chlorobenzene	4.88		0.5	"	5.00	ND	98	75-120		
1,1,1,2-Tetrachloroethane	4.87		0.5	"	5.00	ND	97	71-130		
Ethylbenzene	5.11		0.5	"	5.00	ND	102	63-140		
m&p-Xylene	9.87		1.0	"	10.0	ND	99	67-130		
o-Xylene	5.32		0.5	"	5.00	ND	106	71-140		
Styrene	5.18		0.5	"	5.00	ND	104	20-170		
Bromoform	5.06		0.5	"	5.00	ND	101	43-160		
Isopropylbenzene	5.18		0.5	"	5.00	ND	104	61-150		
Bromobenzene	4.99		0.5	"	5.00	ND	100	77-120		
1,1,2,2-Tetrachloroethane	5.10		0.5	"	5.00	ND	102	70-130		
1,2,3-Trichloropropane	4.74		0.5	"	5.00	ND	95	63-140		
Propylbenzene	5.00		0.5	"	5.00	ND	100	59-140		

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 02/21/08
Batch B8B0123 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike (B8B0123-MS1)		**Source: 0802048-01**								
2-Chlorotoluene	4.82		0.5	"	5.00	ND	96	76-130		
4-Chlorotoluene	4.91		0.5	"	5.00	ND	98	77-130		
1,3,5-Trimethylbenzene	4.88		0.5	"	5.00	ND	98	68-140		
tert-Butylbenzene	5.07		0.5	"	5.00	ND	101	61-150		
1,2,4-Trimethylbenzene	4.96		0.5	"	5.00	ND	99	67-140		
sec-Butylbenzene	4.91		0.5	"	5.00	ND	98	54-150		
1,3-Dichlorobenzene	4.64		0.5	"	5.00	ND	93	77-120		
p-Isopropyltoluene	4.77		0.5	"	5.00	ND	95	58-150		
1,4-Dichlorobenzene	4.49		0.5	"	5.00	ND	90	76-120		
1,2-Dichlorobenzene	4.60		0.5	"	5.00	ND	92	69-130		
Butylbenzene	4.72		0.5	"	5.00	ND	94	57-140		
1,2-Dibromo-3-chloropropane	19.6		2.0	"	20.0	ND	98	54-143		
1,2,4-Trichlorobenzene	4.91		0.5	"	5.00	ND	98	66-130		
Hexachlorobutadiene	4.23		0.5	"	5.00	ND	85	46-140		
Naphthalene	5.81	Q6	0.5	"	5.00	ND	116	52-160		
1,2,3-Trichlorobenzene	4.69	Q6	0.5	"	5.00	ND	94	64-130		
Surrogate: 1,2-Dichloroethane-d4	*5.00*			*"*	*5.00*		*100*	*76-130*		
Surrogate: Toluene-d8	*5.07*			*"*	*5.00*		*101*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*5.15*			*"*	*5.00*		*103*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.68*			*"*	*5.00*		*94*	*69-120*		
Matrix Spike Dup (B8B0123-MSD1)		**Source: 0802048-01**								
Dichlorodifluoromethane	5.18		0.5	ug/L	5.00	ND	104	25-135	11	20
Chloromethane	5.38	Q6	0.5	"	5.00	ND	108	47-140	21	20
Vinyl chloride	5.04		0.5	"	5.00	ND	101	43-150	11	20
Bromomethane	3.44		0.5	"	5.00	ND	69	38-160	1	20
Chloroethane	4.70		0.5	"	5.00	ND	94	59-140	11	20
Trichlorofluoromethane	7.36		0.5	"	5.00	2.73	93	44-170	14	20
1,1-Dichloroethene	5.75		0.5	"	5.00	0.880	97	33-160	15	20
1,1,2-Trichloro-1,2,2-trifluoroethane	11.2		0.5	"	5.00	7.45	75	38-140	14	20
Acetone	32.1		4.0	"	40.0	6.21	65	46-140	16	20
Dichloromethane	4.87		0.5	"	5.00	ND	97	56-120	16	20
trans-1,2-Dichloroethene	6.47		0.5	"	5.00	ND	129	59-130	7	20
tert-Butyl methyl ether (MTBE)	24.8		2.0	"	20.0	ND	124	50-140	7	20
1,1-Dichloroethane	6.28		0.5	"	5.00	ND	126	47-160	7	20
2,2-Dichloropropane	5.29		0.5	"	5.00	ND	106	25-150	10	20
cis-1,2-Dichloroethene	6.40		0.5	"	5.00	ND	128	55-140	6	20
2-Butanone (MEK)	43.7		4.0	"	40.0	ND	109	43-150	6	20
Bromochloromethane	6.47		0.5	"	5.00	ND	129	56-140	7	20
Chloroform	6.42		0.5	"	5.00	0.251	123	30-170	6	20
1,1,1-Trichloroethane	5.16		0.5	"	5.00	ND	103	36-150	3	20
Carbon tetrachloride	5.19		0.5	"	5.00	ND	104	31-160	4	20
1,1-Dichloropropene	5.64		0.5	"	5.00	ND	113	50-150	5	20
Benzene	5.44		0.5	"	5.00	ND	109	74-122	3	20
1,2-Dichloroethane	5.50		0.5	"	5.00	ND	110	69-140	2	20
Trichloroethene	7.57		0.5	"	5.00	2.15	108	47-160	5	20

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Region 9 Laboratory

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
									Prepared & Analyzed: 02/21/08	
Batch B8B0123 - - General VOA - VOCs								Volatile Organic Compounds by EPA Method 524.2 - Quality Control		
Matrix Spike Dup (B8B0123-MSD1)		**Source: 0802048-01**								
1,2-Dichloropropane	5.40		0.5	"	5.00	ND	108	30-190	1	20
Dibromomethane	5.23		0.5	"	5.00	ND	105	77-120	0.4	20
Bromodichloromethane	5.33		0.5	"	5.00	ND	107	87-130	2	20
cis-1,3-Dichloropropene	5.73		0.5	"	5.00	ND	115	67-138	3	20
Toluene	5.08		0.5	"	5.00	ND	102	68-120	0.8	20
trans-1,3-Dichloropropene	5.31		0.5	"	5.00	ND	106	65-150	2	20
1,1,2-Trichloroethane	5.14		0.5	"	5.00	ND	103	74-131	1	20
1,3-Dichloropropane	5.24		0.5	"	5.00	ND	105	67-130	1	20
Chlorodibromomethane	5.22		0.5	"	5.00	ND	104	62-140	0.2	20
1,2-Dibromoethane (EDB)	5.38		0.5	"	5.00	ND	108	73-130	0.2	20
Chlorobenzene	4.93		0.5	"	5.00	ND	99	75-120	0.9	20
1,1,1,2-Tetrachloroethane	4.98		0.5	"	5.00	ND	100	71-130	2	20
Ethylbenzene	5.19		0.5	"	5.00	ND	104	63-140	2	20
m&p-Xylene	10.0		1.0	"	10.0	ND	100	67-130	2	20
o-Xylene	5.40		0.5	"	5.00	ND	108	71-140	2	20
Styrene	5.24		0.5	"	5.00	ND	105	20-170	1	20
Bromoform	5.22		0.5	"	5.00	ND	104	43-160	3	20
Isopropylbenzene	5.28		0.5	"	5.00	ND	106	61-150	2	20
Bromobenzene	5.04		0.5	"	5.00	ND	101	77-120	1	20
1,1,2,2-Tetrachloroethane	5.10		0.5	"	5.00	ND	102	70-130	0.08	20
1,2,3-Trichloropropane	4.89		0.5	"	5.00	ND	98	63-140	3	20
Propylbenzene	5.07		0.5	"	5.00	ND	101	59-140	1	20
2-Chlorotoluene	4.98		0.5	"	5.00	ND	100	76-130	3	20
4-Chlorotoluene	5.08		0.5	"	5.00	ND	102	77-130	3	20
1,3,5-Trimethylbenzene	5.00		0.5	"	5.00	ND	100	68-140	3	20
tert-Butylbenzene	5.14		0.5	"	5.00	ND	103	61-150	1	20
1,2,4-Trimethylbenzene	5.08		0.5	"	5.00	ND	102	67-140	3	20
sec-Butylbenzene	5.03		0.5	"	5.00	ND	101	54-150	2	20
1,3-Dichlorobenzene	4.79		0.5	"	5.00	ND	96	77-120	3	20
p-Isopropyltoluene	4.93		0.5	"	5.00	ND	99	58-150	3	20
1,4-Dichlorobenzene	4.62		0.5	"	5.00	ND	92	76-120	3	20
1,2-Dichlorobenzene	4.86		0.5	"	5.00	ND	97	69-130	6	20
Butylbenzene	4.98		0.5	"	5.00	ND	100	57-140	5	20
1,2-Dibromo-3-chloropropane	20.0		2.0	"	20.0	ND	100	54-143	2	20
1,2,4-Trichlorobenzene	5.77		0.5	"	5.00	ND	115	66-130	16	20
Hexachlorobutadiene	4.73		0.5	"	5.00	ND	95	46-140	11	20
Naphthalene	7.43	Q6	0.5	"	5.00	ND	149	52-160	25	20
1,2,3-Trichlorobenzene	6.22	Q6	0.5	"	5.00	ND	124	64-130	28	20
Surrogate: 1,2-Dichloroethane-d4	*5.04*			"	*5.00*		*101*	*76-130*		
Surrogate: Toluene-d8	*5.03*			"	*5.00*		*101*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*5.08*			"	*5.00*		*102*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.69*			"	*5.00*		*94*	*69-120*		
									Prepared & Analyzed: 02/22/08	
Batch B8B0128 - - General VOA - VOCs								Volatile Organic Compounds by EPA Method 524.2 - Quality Control		
Blank (B8B0128-BLK1)										

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Prepared & Analyzed: 02/22/08

Batch B8B0128 - - General VOA - VOCs — Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Blank (B8B0128-BLK1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	C3, J, U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	C3, J, U	4.0	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2.0	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	C4, J, Q3, U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4.0	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	C3, J, U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1.0	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 02/22/08
Batch B8B0128 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B8B0128-BLK1)										
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2.0	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	C3, J, U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.77*			*"*	*5.00*		*115*	*76-130*		
Surrogate: Toluene-d8	*4.62*			*"*	*5.00*		*92*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*4.27*			*"*	*5.00*		*85*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.96*			*"*	*5.00*		*99*	*69-120*		
LCS (B8B0128-BS1)										
Dichlorodifluoromethane	4.51		0.5	ug/L	5.00		90	5.7-180		
Chloromethane	4.94		0.5	"	5.00		99	47-140		
Vinyl chloride	5.14		0.5	"	5.00		103	60-140		
Bromomethane	6.48		0.5	"	5.00		130	50-160		
Chloroethane	4.10		0.5	"	5.00		82	68-140		
Trichlorofluoromethane	5.14		0.5	"	5.00		103	63-150		
1,1-Dichloroethene	5.66		0.5	"	5.00		113	62-140		
1,1,2-Trichloro-1,2,2-trifluoroethane	5.04		0.5	"	5.00		101	53-150		
Acetone	45.4		4.0	"	40.0		114	32-190		
Dichloromethane	5.07		0.5	"	5.00		101	62-120		
trans-1,2-Dichloroethene	5.51		0.5	"	5.00		110	70-140		
tert-Butyl methyl ether (MTBE)	24.0		2.0	"	20.0		120	59-150		
1,1-Dichloroethane	5.31		0.5	"	5.00		106	70-140		
2,2-Dichloropropane	3.64		0.5	"	5.00		73	60-150		
cis-1,2-Dichloroethene	5.37		0.5	"	5.00		107	67-140		
2-Butanone (MEK)	48.9		4.0	"	40.0		122	58-150		
Bromochloromethane	5.62		0.5	"	5.00		112	55-150		
Chloroform	5.48		0.5	"	5.00		110	62-140		
1,1,1-Trichloroethane	5.23		0.5	"	5.00		105	76-140		
Carbon tetrachloride	6.80		0.5	"	5.00		136	62-150		
1,1-Dichloropropene	5.60		0.5	"	5.00		112	75-130		
Benzene	5.36		0.5	"	5.00		107	79-120		

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 02/22/08
Batch B8B0128 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B8B0128-BS1)										
1,2-Dichloroethane	5.38		0.5	"	5.00		108	77-120		
Trichloroethene	5.38		0.5	"	5.00		108	79-140		
1,2-Dichloropropane	5.51		0.5	"	5.00		110	82-120		
Dibromomethane	5.53		0.5	"	5.00		111	80-120		
Bromodichloromethane	5.80		0.5	"	5.00		116	80-130		
cis-1,3-Dichloropropene	5.96		0.5	"	5.00		119	81-130		
Toluene	5.24		0.5	"	5.00		105	83-120		
trans-1,3-Dichloropropene	5.64		0.5	"	5.00		113	80-140		
1,1,2-Trichloroethane	5.35		0.5	"	5.00		107	80-120		
Tetrachloroethene	5.22		0.5	"	5.00		104	80-130		
1,3-Dichloropropane	5.55		0.5	"	5.00		111	78-120		
Chlorodibromomethane	5.66		0.5	"	5.00		113	80-130		
1,2-Dibromoethane (EDB)	5.49		0.5	"	5.00		110	83-120		
Chlorobenzene	5.23		0.5	"	5.00		105	85-120		
1,1,1,2-Tetrachloroethane	5.47		0.5	"	5.00		109	82-130		
Ethylbenzene	5.53		0.5	"	5.00		111	83-120		
m&p-Xylene	10.9		1.0	"	10.0		109	82-120		
o-Xylene	5.75		0.5	"	5.00		115	83-130		
Styrene	6.17		0.5	"	5.00		123	84-120		
Bromoform	5.73		0.5	"	5.00		115	72-140		
Isopropylbenzene	5.65		0.5	"	5.00		113	83-130		
Bromobenzene	5.38		0.5	"	5.00		108	84-120		
1,1,2,2-Tetrachloroethane	5.79		0.5	"	5.00		116	80-120		
1,2,3-Trichloropropane	5.51		0.5	"	5.00		110	79-130		
Propylbenzene	5.63		0.5	"	5.00		113	83-130		
2-Chlorotoluene	5.36		0.5	"	5.00		107	84-120		
4-Chlorotoluene	5.52		0.5	"	5.00		110	85-120		
1,3,5-Trimethylbenzene	5.57		0.5	"	5.00		111	84-120		
tert-Butylbenzene	5.65		0.5	"	5.00		113	83-130		
1,2,4-Trimethylbenzene	5.73		0.5	"	5.00		115	86-120		
sec-Butylbenzene	5.62		0.5	"	5.00		112	81-130		
1,3-Dichlorobenzene	5.30		0.5	"	5.00		106	83-120		
p-Isopropyltoluene	5.53		0.5	"	5.00		111	83-130		
1,4-Dichlorobenzene	5.26		0.5	"	5.00		105	79-120		
1,2-Dichlorobenzene	5.34		0.5	"	5.00		107	80-120		
Butylbenzene	5.63		0.5	"	5.00		113	83-130		
1,2-Dibromo-3-chloropropane	23.9		2.0	"	20.0		120	64-131		
1,2,4-Trichlorobenzene	6.01		0.5	"	5.00		120	74-140		
Hexachlorobutadiene	5.31		0.5	"	5.00		106	76-130		
Naphthalene	7.45		0.5	"	5.00		149	64-150		
1,2,3-Trichlorobenzene	6.04		0.5	"	5.00		121	58-150		
Surrogate: 1,2-Dichloroethane-d4	*5.08*			*"*	*5.00*		*102*	*76-130*		
Surrogate: Toluene-d8	*4.93*			*"*	*5.00*		*99*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*5.07*			*"*	*5.00*		*101*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.17*			*"*	*5.00*		*103*	*69-120*		

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
									Prepared & Analyzed: 02/22/08	
Batch B8B0128 - - General VOA - VOCs									Volatile Organic Compounds by EPA Method 524.2 - Quality Control	
Duplicate (B8B0128-DUP2)		**Source: 0802048-02RE2**								
1,1,1-Trichloroethane	2450		250	ug/L		2540			3	20
Trichloroethene	3600		250	"		3780			5	20
Surrogate: 1,2-Dichloroethane-d4	*6.09*			*"*	*5.00*		*122*	*76-130*		
Surrogate: Toluene-d8	*4.38*			*"*	*5.00*		*88*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*3.77*			*"*	*5.00*		*75*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.58*			*"*	*5.00*		*92*	*69-120*		
									Prepared & Analyzed: 03/14/08	
Batch B8C0096 - - General VOA - VOCs									Volatile Organic Compounds by EPA Method 524.2 - Quality Control	
Blank (B8C0096-BLK1)										
Dichlorodifluoromethane	ND	U	0.5	ug/L						
Chloromethane	ND	U	0.5	"						
Vinyl chloride	ND	U	0.5	"						
Bromomethane	ND	U	0.5	"						
Chloroethane	ND	U	0.5	"						
Trichlorofluoromethane	ND	U	0.5	"						
1,1-Dichloroethene	ND	U	0.5	"						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	U	0.5	"						
Acetone	ND	U	4.0	"						
Dichloromethane	ND	U	0.5	"						
trans-1,2-Dichloroethene	ND	U	0.5	"						
tert-Butyl methyl ether (MTBE)	ND	U	2.0	"						
1,1-Dichloroethane	ND	U	0.5	"						
2,2-Dichloropropane	ND	U	0.5	"						
cis-1,2-Dichloroethene	ND	U	0.5	"						
2-Butanone (MEK)	ND	U	4.0	"						
Bromochloromethane	ND	U	0.5	"						
Chloroform	ND	U	0.5	"						
1,1,1-Trichloroethane	ND	U	0.5	"						
Carbon tetrachloride	ND	U	0.5	"						
1,1-Dichloropropene	ND	U	0.5	"						
Benzene	ND	U	0.5	"						
1,2-Dichloroethane	ND	U	0.5	"						
Trichloroethene	ND	U	0.5	"						
1,2-Dichloropropane	ND	U	0.5	"						
Dibromomethane	ND	U	0.5	"						
Bromodichloromethane	ND	U	0.5	"						
cis-1,3-Dichloropropene	ND	U	0.5	"						
Toluene	ND	U	0.5	"						
trans-1,3-Dichloropropene	ND	U	0.5	"						
1,1,2-Trichloroethane	ND	U	0.5	"						
Tetrachloroethene	ND	U	0.5	"						
1,3-Dichloropropane	ND	U	0.5	"						
Chlorodibromomethane	ND	U	0.5	"						
1,2-Dibromoethane (EDB)	ND	U	0.5	"						
Chlorobenzene	ND	U	0.5	"						

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 03/14/08
Batch B8C0096 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Blank (B8C0096-BLK1)										
1,1,1,2-Tetrachloroethane	ND	U	0.5	"						
Ethylbenzene	ND	U	0.5	"						
m&p-Xylene	ND	U	1.0	"						
o-Xylene	ND	U	0.5	"						
Styrene	ND	U	0.5	"						
Bromoform	ND	U	0.5	"						
Isopropylbenzene	ND	U	0.5	"						
Bromobenzene	ND	U	0.5	"						
1,1,2,2-Tetrachloroethane	ND	U	0.5	"						
1,2,3-Trichloropropane	ND	U	0.5	"						
Propylbenzene	ND	U	0.5	"						
2-Chlorotoluene	ND	U	0.5	"						
4-Chlorotoluene	ND	U	0.5	"						
1,3,5-Trimethylbenzene	ND	U	0.5	"						
tert-Butylbenzene	ND	U	0.5	"						
1,2,4-Trimethylbenzene	ND	U	0.5	"						
sec-Butylbenzene	ND	U	0.5	"						
1,3-Dichlorobenzene	ND	U	0.5	"						
p-Isopropyltoluene	ND	U	0.5	"						
1,4-Dichlorobenzene	ND	U	0.5	"						
1,2-Dichlorobenzene	ND	U	0.5	"						
Butylbenzene	ND	U	0.5	"						
1,2-Dibromo-3-chloropropane	ND	U	2.0	"						
1,2,4-Trichlorobenzene	ND	U	0.5	"						
Hexachlorobutadiene	ND	U	0.5	"						
Naphthalene	ND	U	0.5	"						
1,2,3-Trichlorobenzene	ND	U	0.5	"						
Surrogate: 1,2-Dichloroethane-d4	*5.55*			*"*	*5.00*		*111*	*76-130*		
Surrogate: Toluene-d8	*4.66*			*"*	*5.00*		*93*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*4.55*			*"*	*5.00*		*91*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*4.85*			*"*	*5.00*		*97*	*69-120*		
LCS (B8C0096-BS1)										
Dichlorodifluoromethane	6.21		0.5	ug/L	5.00		124	5.7-180		
Chloromethane	6.59		0.5	"	5.00		132	47-140		
Vinyl chloride	6.49		0.5	"	5.00		130	60-140		
Bromomethane	6.33		0.5	"	5.00		127	50-160		
Chloroethane	6.31		0.5	"	5.00		126	68-140		
Trichlorofluoromethane	6.41		0.5	"	5.00		128	63-150		
1,1-Dichloroethene	6.36		0.5	"	5.00		127	62-140		
1,1,2-Trichloro-1,2,2-trifluoroethane	6.31		0.5	"	5.00		126	53-150		
Acetone	56.4		4.0	"	40.0		141	32-190		
Dichloromethane	5.86		0.5	"	5.00		117	62-120		
trans-1,2-Dichloroethene	6.36		0.5	"	5.00		127	70-140		
tert-Butyl methyl ether (MTBE)	26.8		2.0	"	20.0		134	59-150		
1,1-Dichloroethane	6.27		0.5	"	5.00		125	70-140		

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 03/14/08
Batch B8C0096 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B8C0096-BS1)										
2,2-Dichloropropane	6.63		0.5	"	5.00		133	60-150		
cis-1,2-Dichloroethene	6.37		0.5	"	5.00		127	67-140		
2-Butanone (MEK)	55.4		4.0	"	40.0		139	58-150		
Bromochloromethane	6.57		0.5	"	5.00		131	55-150		
Chloroform	6.30		0.5	"	5.00		126	62-140		
1,1,1-Trichloroethane	5.32		0.5	"	5.00		106	76-140		
Carbon tetrachloride	5.31		0.5	"	5.00		106	62-150		
1,1-Dichloropropene	5.48		0.5	"	5.00		110	75-130		
Benzene	5.29		0.5	"	5.00		106	79-120		
1,2-Dichloroethane	5.48		0.5	"	5.00		110	77-120		
Trichloroethene	5.31		0.5	"	5.00		106	79-140		
1,2-Dichloropropane	5.46		0.5	"	5.00		109	82-120		
Dibromomethane	5.45		0.5	"	5.00		109	80-120		
Bromodichloromethane	5.29		0.5	"	5.00		106	80-130		
cis-1,3-Dichloropropene	5.55		0.5	"	5.00		111	81-130		
Toluene	5.06		0.5	"	5.00		101	83-120		
trans-1,3-Dichloropropene	5.46		0.5	"	5.00		109	80-140		
1,1,2-Trichloroethane	5.13		0.5	"	5.00		103	80-120		
Tetrachloroethene	4.96		0.5	"	5.00		99	80-130		
1,3-Dichloropropane	5.15		0.5	"	5.00		103	78-120		
Chlorodibromomethane	5.21		0.5	"	5.00		104	80-130		
1,2-Dibromoethane (EDB)	5.17		0.5	"	5.00		103	83-120		
Chlorobenzene	5.03		0.5	"	5.00		101	85-120		
1,1,1,2-Tetrachloroethane	5.08		0.5	"	5.00		102	82-130		
Ethylbenzene	5.25		0.5	"	5.00		105	83-120		
m&p-Xylene	10.4		1.0	"	10.0		104	82-120		
o-Xylene	5.37		0.5	"	5.00		107	83-130		
Styrene	5.39		0.5	"	5.00		108	84-120		
Bromoform	5.14		0.5	"	5.00		103	72-140		
Isopropylbenzene	5.35		0.5	"	5.00		107	83-130		
Bromobenzene	5.13		0.5	"	5.00		103	84-120		
1,1,2,2-Tetrachloroethane	5.18		0.5	"	5.00		104	80-120		
1,2,3-Trichloropropane	5.30		0.5	"	5.00		106	79-130		
Propylbenzene	5.38		0.5	"	5.00		108	83-130		
2-Chlorotoluene	5.25		0.5	"	5.00		105	84-120		
4-Chlorotoluene	5.34		0.5	"	5.00		107	85-120		
1,3,5-Trimethylbenzene	5.32		0.5	"	5.00		106	84-120		
tert-Butylbenzene	5.35		0.5	"	5.00		107	83-130		
1,2,4-Trimethylbenzene	5.39		0.5	"	5.00		108	86-120		
sec-Butylbenzene	5.30		0.5	"	5.00		106	81-130		
1,3-Dichlorobenzene	5.17		0.5	"	5.00		103	83-120		
p-Isopropyltoluene	5.24		0.5	"	5.00		105	83-130		
1,4-Dichlorobenzene	5.12		0.5	"	5.00		102	79-120		
1,2-Dichlorobenzene	5.15		0.5	"	5.00		103	80-120		
Butylbenzene	5.32		0.5	"	5.00		106	83-130		
1,2-Dibromo-3-chloropropane	22.7		2.0	"	20.0		114	64-131		

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 03/14/08
Batch B8C0096 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
LCS (B8C0096-BS1)										
1,2,4-Trichlorobenzene	5.30		0.5	"	5.00		106	74-140		
Hexachlorobutadiene	5.02		0.5	"	5.00		100	76-130		
Naphthalene	5.42		0.5	"	5.00		108	64-150		
1,2,3-Trichlorobenzene	5.50		0.5	"	5.00		110	58-150		
Surrogate: 1,2-Dichloroethane-d4	*4.99*			*"*	*5.00*		*100*	*76-130*		
Surrogate: Toluene-d8	*5.01*			*"*	*5.00*		*100*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*5.21*			*"*	*5.00*		*104*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.26*			*"*	*5.00*		*105*	*69-120*		
Matrix Spike (B8C0096-MS1)										
Dichlorodifluoromethane	6.24		0.5	ug/L	5.00		125	25-135		
Chloromethane	6.37		0.5	"	5.00		127	47-140		
Vinyl chloride	6.28		0.5	"	5.00		126	43-150		
Bromomethane	6.08		0.5	"	5.00		122	38-160		
Chloroethane	6.22		0.5	"	5.00		124	59-140		
Trichlorofluoromethane	6.55		0.5	"	5.00		131	44-170		
1,1-Dichloroethene	7.69		0.5	"	5.00		154	33-160		
1,1,2-Trichloro-1,2,2-trifluoroethane	6.30		0.5	"	5.00		126	38-140		
Acetone	49.9		4.0	"	40.0		125	46-140		
Dichloromethane	5.47		0.5	"	5.00		109	56-120		
trans-1,2-Dichloroethene	6.13		0.5	"	5.00		123	59-130		
tert-Butyl methyl ether (MTBE)	25.3		2.0	"	20.0		126	50-140		
1,1-Dichloroethane	12.1		0.5	"	5.00		242	47-160		
2,2-Dichloropropane	6.38		0.5	"	5.00		128	25-150		
cis-1,2-Dichloroethene	6.80		0.5	"	5.00		136	55-140		
2-Butanone (MEK)	52.8		4.0	"	40.0		132	43-150		
Bromochloromethane	6.20		0.5	"	5.00		124	56-140		
Chloroform	6.30		0.5	"	5.00		126	30-170		
1,1,1-Trichloroethane	7.72		0.5	"	5.00		154	36-150		
Carbon tetrachloride	5.70		0.5	"	5.00		114	31-160		
1,1-Dichloropropene	5.57		0.5	"	5.00		111	50-150		
Benzene	5.38		0.5	"	5.00		108	74-122		
1,2-Dichloroethane	5.81		0.5	"	5.00		116	69-140		
Trichloroethene	5.73		0.5	"	5.00		115	47-160		
1,2-Dichloropropane	5.54		0.5	"	5.00		111	30-190		
Dibromomethane	5.54		0.5	"	5.00		111	77-120		
Bromodichloromethane	5.55		0.5	"	5.00		111	87-130		
cis-1,3-Dichloropropene	5.41		0.5	"	5.00		108	67-138		
Toluene	5.07		0.5	"	5.00		101	68-120		
trans-1,3-Dichloropropene	5.40		0.5	"	5.00		108	65-150		
1,1,2-Trichloroethane	5.14		0.5	"	5.00		103	74-131		
Tetrachloroethene	4.99		0.5	"	5.00		100	41-150		
1,3-Dichloropropane	5.16		0.5	"	5.00		103	67-130		
Chlorodibromomethane	5.30		0.5	"	5.00		106	62-140		
1,2-Dibromoethane (EDB)	5.21		0.5	"	5.00		104	73-130		
Chlorobenzene	5.01		0.5	"	5.00		100	75-120		

United States Environmental Protection Agency
Region 9 Laboratory

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 03/14/08
Batch B8C0096 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike (B8C0096-MS1)										
1,1,1,2-Tetrachloroethane	5.07		0.5	"	5.00		101	71-130		
Ethylbenzene	5.25		0.5	"	5.00		105	63-140		
m&p-Xylene	10.5		1.0	"	10.0		105	67-130		
o-Xylene	5.39		0.5	"	5.00		108	71-140		
Styrene	5.36		0.5	"	5.00		107	20-170		
Bromoform	5.19		0.5	"	5.00		104	43-160		
Isopropylbenzene	5.36		0.5	"	5.00		107	61-150		
Bromobenzene	5.11		0.5	"	5.00		102	77-120		
1,1,2,2-Tetrachloroethane	5.32		0.5	"	5.00		106	70-130		
1,2,3-Trichloropropane	5.48		0.5	"	5.00		110	63-140		
Propylbenzene	5.41		0.5	"	5.00		108	59-140		
2-Chlorotoluene	5.32		0.5	"	5.00		106	76-130		
4-Chlorotoluene	5.39		0.5	"	5.00		108	77-130		
1,3,5-Trimethylbenzene	5.40		0.5	"	5.00		108	68-140		
tert-Butylbenzene	5.37		0.5	"	5.00		107	61-150		
1,2,4-Trimethylbenzene	5.45		0.5	"	5.00		109	67-140		
sec-Butylbenzene	5.46		0.5	"	5.00		109	54-150		
1,3-Dichlorobenzene	5.18		0.5	"	5.00		104	77-120		
p-Isopropyltoluene	5.32		0.5	"	5.00		106	58-150		
1,4-Dichlorobenzene	5.15		0.5	"	5.00		103	76-120		
1,2-Dichlorobenzene	5.22		0.5	"	5.00		104	69-130		
Butylbenzene	5.38		0.5	"	5.00		108	57-140		
1,2-Dibromo-3-chloropropane	24.1		2.0	"	20.0		121	54-143		
1,2,4-Trichlorobenzene	5.23		0.5	"	5.00		105	66-130		
Hexachlorobutadiene	4.98		0.5	"	5.00		100	46-140		
Naphthalene	5.32		0.5	"	5.00		106	52-160		
1,2,3-Trichlorobenzene	5.55		0.5	"	5.00		111	64-130		
Surrogate: 1,2-Dichloroethane-d4	*5.39*			*"*	*5.00*		*108*	*76-130*		
Surrogate: Toluene-d8	*5.00*			*"*	*5.00*		*100*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*5.28*			*"*	*5.00*		*106*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.36*			*"*	*5.00*		*107*	*69-120*		
Matrix Spike Dup (B8C0096-MSD1)										
Dichlorodifluoromethane	6.28		0.5	ug/L	5.00		126	25-135		20
Chloromethane	6.55		0.5	"	5.00		131	47-140		20
Vinyl chloride	6.63		0.5	"	5.00		133	43-150		20
Bromomethane	6.39		0.5	"	5.00		128	38-160		20
Chloroethane	6.38		0.5	"	5.00		128	59-140		20
Trichlorofluoromethane	6.38		0.5	"	5.00		128	44-170		20
1,1-Dichloroethene	8.00		0.5	"	5.00		160	33-160		20
1,1,2-Trichloro-1,2,2-trifluoroethane	6.38		0.5	"	5.00		128	38-140		20
Acetone	51.5		4.0	"	40.0		129	46-140		20
Dichloromethane	5.64		0.5	"	5.00		113	56-120		20
trans-1,2-Dichloroethene	6.26		0.5	"	5.00		125	59-130		20
tert-Butyl methyl ether (MTBE)	27.0		2.0	"	20.0		135	50-140		20
1,1-Dichloroethane	12.1		0.5	"	5.00		241	47-160		20

United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Prepared & Analyzed: 03/14/08

Batch B8C0096 - - General VOA - VOCs — Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Matrix Spike Dup (B8C0096-MSD1)

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
2,2-Dichloropropane	6.28		0.5	"	5.00		126	25-150		20
cis-1,2-Dichloroethene	6.77		0.5	"	5.00		135	55-140		20
2-Butanone (MEK)	55.0		4.0	"	40.0		137	43-150		20
Bromochloromethane	6.26		0.5	"	5.00		125	56-140		20
Chloroform	6.18		0.5	"	5.00		124	30-170		20
1,1,1-Trichloroethane	7.29		0.5	"	5.00		146	36-150		20
Carbon tetrachloride	5.34		0.5	"	5.00		107	31-160		20
1,1-Dichloropropene	5.51		0.5	"	5.00		110	50-150		20
Benzene	5.23		0.5	"	5.00		105	74-122		20
1,2-Dichloroethane	5.70		0.5	"	5.00		114	69-140		20
Trichloroethene	5.52		0.5	"	5.00		110	47-160		20
1,2-Dichloropropane	5.49		0.5	"	5.00		110	30-190		20
Dibromomethane	5.48		0.5	"	5.00		110	77-120		20
Bromodichloromethane	5.34		0.5	"	5.00		107	87-130		20
cis-1,3-Dichloropropene	5.57		0.5	"	5.00		111	67-138		20
Toluene	4.84		0.5	"	5.00		97	68-120		20
trans-1,3-Dichloropropene	5.37		0.5	"	5.00		107	65-150		20
1,1,2-Trichloroethane	5.16		0.5	"	5.00		103	74-131		20
Tetrachloroethene	4.80		0.5	"	5.00		96	41-150		20
1,3-Dichloropropane	5.10		0.5	"	5.00		102	67-130		20
Chlorodibromomethane	5.13		0.5	"	5.00		103	62-140		20
1,2-Dibromoethane (EDB)	5.06		0.5	"	5.00		101	73-130		20
Chlorobenzene	4.80		0.5	"	5.00		96	75-120		20
1,1,1,2-Tetrachloroethane	4.83		0.5	"	5.00		97	71-130		20
Ethylbenzene	5.03		0.5	"	5.00		101	63-140		20
m&p-Xylene	10.0		1.0	"	10.0		100	67-130		20
o-Xylene	5.08		0.5	"	5.00		102	71-140		20
Styrene	5.17		0.5	"	5.00		103	20-170		20
Bromoform	5.03		0.5	"	5.00		101	43-160		20
Isopropylbenzene	5.05		0.5	"	5.00		101	61-150		20
Bromobenzene	4.94		0.5	"	5.00		99	77-120		20
1,1,2,2-Tetrachloroethane	5.14		0.5	"	5.00		103	70-130		20
1,2,3-Trichloropropane	5.15		0.5	"	5.00		103	63-140		20
Propylbenzene	5.05		0.5	"	5.00		101	59-140		20
2-Chlorotoluene	5.05		0.5	"	5.00		101	76-130		20
4-Chlorotoluene	5.10		0.5	"	5.00		102	77-130		20
1,3,5-Trimethylbenzene	5.02		0.5	"	5.00		100	68-140		20
tert-Butylbenzene	5.03		0.5	"	5.00		101	61-150		20
1,2,4-Trimethylbenzene	5.13		0.5	"	5.00		103	67-140		20
sec-Butylbenzene	5.07		0.5	"	5.00		101	54-150		20
1,3-Dichlorobenzene	4.94		0.5	"	5.00		99	77-120		20
p-Isopropyltoluene	4.96		0.5	"	5.00		99	58-150		20
1,4-Dichlorobenzene	4.86		0.5	"	5.00		97	76-120		20
1,2-Dichlorobenzene	4.92		0.5	"	5.00		98	69-130		20
Butylbenzene	5.11		0.5	"	5.00		102	57-140		20
1,2-Dibromo-3-chloropropane	22.7		2.0	"	20.0		114	54-143		20

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
										Prepared & Analyzed: 03/14/08
Batch B8C0096 - - General VOA - VOCs										Volatile Organic Compounds by EPA Method 524.2 - Quality Control
Matrix Spike Dup (B8C0096-MSD1)										
1,2,4-Trichlorobenzene	5.17		0.5	"	5.00		103	66-130		20
Hexachlorobutadiene	4.76		0.5	"	5.00		95	46-140		20
Naphthalene	5.58		0.5	"	5.00		112	52-160		20
1,2,3-Trichlorobenzene	5.50		0.5	"	5.00		110	64-130		20
Surrogate: 1,2-Dichloroethane-d4	*5.53*			*"*	*5.00*		*111*	*76-130*		
Surrogate: Toluene-d8	*4.85*			*"*	*5.00*		*97*	*83-120*		
Surrogate: 4-Bromofluorobenzene	*5.22*			*"*	*5.00*		*104*	*74-110*		
Surrogate: 1,2-Dichlorobenzene-d4	*5.28*			*"*	*5.00*		*106*	*69-120*		

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Project Manager:	Chris Lichens	**Site Cleanup Section 4**	**SDG:** 08052A
Project Number:	R08S30	**75 Hawthorne Street**	**Reported:** 03/25/08 16:58
Project:	Omega Chemical OU1 February 2008 Split Sampling	**San Francisco CA, 94105**	

Qualifiers and Comments

Q6	Matrix spike/matrix spike duplicate precision criteria were not met for this analyte (see MS/MSD results for this batch in QC summary).
Q3	The quantitation limit standard did not meet recovery criteria for this analyte.
N TIC	Tentatively Idenitified Compound - This compound was identified only by match with mass spectral library. Identification and quantitation should be considered tentative and presumptive.
J	The reported result for this analyte should be considered an estimated value.
C4	The calibration verification check did not meet % difference criteria for this analyte.
C3	The initial calibration for this analyte did not meet calibration criteria.
C2	The reported concentration for this analyte is above the calibration range of the instrument.
C1	The reported concentration for this analyte is below the quantitation limit.
U	Not Detected
NR	Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N51 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	MW3			MW7			MW11			MW21			1			2		
Sample ID :	Y4N51			Y4N52			Y4N53			Y4N55			Y4N56			Y4N57		
Collection Date :	3/2/2009			3/2/2009			3/2/2009			3/2/2009			3/3/2009			3/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.1		
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.22J	J		0.50U	U		3.0	J	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.40J	J		0.50U	U		0.50U	U		0.50U	U		4.5		
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.37J	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.95			0.50U	U		0.38J	J	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.90			43E		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N51
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	MW3			MW7			MW11			MW21			1			2		
Sample ID :	Y4N51			Y4N52			Y4N53			Y4N55			Y4N56			Y4N57		
Collection Date :	3/2/2009			3/2/2009			3/2/2009			3/2/2009			3/3/2009			3/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.38J	J		3.0			0.94			1.9			33E		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R	
Vinyl chloride-d3	5.8			5.9			5.5			5.6			5.6			7.0		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N51 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	MW3			MW7			MW11			MW21			1			2		
Sample ID :	Y4N51			Y4N52			Y4N53			Y4N55			Y4N56			Y4N57		
Collection Date :	3/2/2009			3/2/2009			3/2/2009			3/2/2009			3/3/2009			3/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	3.3			4.5			4.0			4.3			4.2			5.1		
1,1-Dichloroethene-d2	5.3			5.5			4.9			5.2			4.9			5.8		
2-Butanone-d5	47			42			39			46			43			37		
Chloroform-d	4.6			4.8			4.2			4.5			4.3			5.0		
1,2-Dichloroethane-d4	5.0			4.8			4.0			4.6			4.3			4.5		
Benzene-d6	5.6			5.5			5.4			5.5			5.5			5.8		
1,2-Dichloropropane-d6	5.0			4.9			4.7			5.1			5.1			5.0		
Toluene-d8	5.2			5.0			5.2			5.2			5.3			5.3		
trans-1,3-Dichloropropene-d	5.2			4.8			4.7			5.4			4.9			4.4		
2-Hexanone-d5	52			51			46			58			51			35		
1,1,2,2-Tetrachloroethane-d2	4.4			4.3			4.2			4.9			4.2			4.4		
1,2-Dichlorobenzene-d4	5.4			5.8			5.5			5.4			5.5			5.2		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	3			4			5			6			7			8		
Sample ID :	Y4N58			Y4N59			Y4N60			Y4N61			Y4N62			Y4N63		
Collection Date :	3/3/2009			3/3/2009			3/3/2009			3/3/2009			3/3/2009			3/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.84	J		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.67	J		0.61	J		0.44J	J		0.52	J		2.5	J		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	1.6	J		0.30J	J		0.50U	U		0.31J	J		0.45J	J		0.50U	U	
Acetone	5.0U	R		5.0U	R		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.30J	J		2.7	J		1.2	J		1.4	J		2.6	J		0.50U	U	
2-Butanone	5.0U	R		5.0U	R		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.64	J		0.41J	J		0.32J	J		0.39J	J		0.35J	J		0.40J	J	
1,1,1-Trichloroethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.23J	J		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	88E	J		7.3	J		3.7			4.3			20			0.50U	U	
Methylcyclohexane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	3			4			5			6			7			8		
Sample ID :	Y4N58			Y4N59			Y4N60			Y4N61			Y4N62			Y4N63		
Collection Date :	3/3/2009			3/3/2009			3/3/2009			3/3/2009			3/3/2009			3/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	R		5.0U	R		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	2.5	J		53E	J		28E			32E			91E			0.50U	U	
2-Hexanone	5.0U	R		5.0U	R		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	R		0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	R		0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	R		0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	R		0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	R		0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	R		0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	R		0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	R		0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Vinyl chloride-d3	7.3			6.9			6.6			6.7			6.7			7.2		

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	3			4			5			6			7			8		
Sample ID :	Y4N58			Y4N59			Y4N60			Y4N61			Y4N62			Y4N63		
Collection Date :	3/3/2009			3/3/2009			3/3/2009			3/3/2009			3/3/2009			3/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.2			5.0			4.6			5.1			4.8			5.0		
1,1-Dichloroethene-d2	6.6			6.0			5.9			5.6			6.3			6.1		
2-Butanone-d5	36			34			33			36			37			38		
Chloroform-d	5.1			5.0			4.7			5.1			4.9			5.0		
1,2-Dichloroethane-d4	4.7			4.8			4.6			4.8			4.6			4.6		
Benzene-d6	6.5			6.2			6.1			6.1			6.4			6.1		
1,2-Dichloropropane-d6	5.8			5.5			5.4			5.8			5.6			5.3		
Toluene-d8	5.7			5.6			5.6			5.7			5.8			5.7		
trans-1,3-Dichloropropene-d4	4.2			4.3			4.4			4.5			4.7			4.5		
2-Hexanone-d5	34			29			40			36			34			38		
1,1,2,2-Tetrachloroethane-d2	4.7			4.4			4.2			4.5			4.1			4.1		
1,2-Dichlorobenzene-d4	6.0			5.5			5.1			5.3			5.3			5.5		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	9			10			11			12			13			14		
Sample ID :	Y4N64			Y4N65			Y4N66			Y4N67			Y4N68			Y4N69		
Collection Date :	3/4/2009			3/4/2009			3/4/2009			3/4/2009			3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	55E			15			0.50U	U		0.50U	U		14			0.50U	U	
1,1-Dichloroethene	110E	J		33E	J		3.7	J		0.50U	U		18	J		4.8	J	
1,1,2-Trichloro-1,2,2-trifluoro	150E			46E			0.50U	U		0.50U	U		30E			0.50U	U	
Acetone	45			15			5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	2.0	J		0.62	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	1.0	J		0.28J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	73E	J		18	J		0.32J	J		0.50U	U		0.50U	U		17	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	24E	J		7.1			0.33J	J		0.42J	J		0.80			0.50U	U	
1,1,1-Trichloroethane	0.23J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.44J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	4.1			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	720E	J		240E	J		15	J		0.50U	U		3.1			56E		
Methylcyclohexane	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	9			10			11			12			13			14		
Sample ID :	Y4N64			Y4N65			Y4N66			Y4N67			Y4N68			Y4N69		
Collection Date :	3/4/2009			3/4/2009			3/4/2009			3/4/2009			3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	R		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	1800E	J		200E	J		120E	J		0.50U	U		21E			1.3		
2-Hexanone	5.0U	R		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	R		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	R		0.50U	U		0.50U	R		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	7.0			6.6			6.6			6.7			6.6			7.0		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N51 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	9			10			11			12			13			14		
Sample ID :	Y4N64			Y4N65			Y4N66			Y4N67			Y4N68			Y4N69		
Collection Date :	3/4/2009			3/4/2009			3/4/2009			3/4/2009			3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.2			4.8			5.0			4.9			4.8			5.1		
1,1-Dichloroethene-d2	5.6			5.8			6.2			5.8			6.4			6.0		
2-Butanone-d5	34			39			34			33			36			36		
Chloroform-d	6.2			5.3			5.0			4.7			5.1			4.9		
1,2-Dichloroethane-d4	5.0			4.7			4.7			4.6			4.8			4.8		
Benzene-d6	12			7.1			6.5			5.9			6.0			6.0		
1,2-Dichloropropane-d6	7.8			5.1			6.0			5.3			5.6			5.1		
Toluene-d8	9.7			6.1			6.3			5.7			5.8			5.7		
trans-1,3-Dichloropropene-d4	7.6			5.3			4.9			4.2			4.6			4.2		
2-Hexanone-d5	19			35			34			37			41			39		
1,1,2,2-Tetrachloroethane-d2	6.4			4.7			4.5			3.9			4.2			4.3		
1,2-Dichlorobenzene-d4	5.6			5.5			5.3			4.9			5.1			5.7		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	15			18														
Sample ID :	Y4N70			Y4N73			Y4N57DL			Y4N58DL			Y4N59DL			Y4N60DL		
Collection Date :	3/5/2009			3/5/2009														
Dilution Factor :	1.0			1.0			4.0			8.0			5.0			2.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Chloromethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Vinyl chloride	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Bromomethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Chloroethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Trichlorofluoromethane	44E			2.3			2.5D			4.0U	U		2.5U	U		1.0U	U	
1,1-Dichloroethene	78E			5.1	J		3.5D			4.0U	U		2.5U	U		0.43DJ	J	
1,1,2-Trichloro-1,2,2-trifluoro	87E			7.1			4.5D			2.1DJ	J		2.5U	U		1.0U	U	
Acetone	30			5.0U	U		20U	U		40U	U		25U	U		10U	U	
Carbon disulfide	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Methyl acetate	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Methylene chloride	0.50U	U		0.50U	U		2.0DJ	U		4.0DJ	U		2.5U	U		1.0U	U	
trans-1,2-Dichloroethene	0.20J	J		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,1-Dichloroethane	0.37J	J		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
cis-1,2-Dichloroethene	2.1			0.42J	J		2.0U	U		4.0U	U		3.5D			1.1D		
2-Butanone	5.0U	U		5.0U	U		20U	U		40U	U		25U	U		10U	U	
Bromochloromethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Chloroform	15			1.1			2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Cyclohexane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Benzene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,2-Dichloroethane	1.7			0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Trichloroethene	120E	J		55E			44D			79D			8.3D			2.6D		
Methylcyclohexane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	15			18														
Sample ID :	Y4N70			Y4N73			Y4N57DL			Y4N58DL			Y4N59DL			Y4N60DL		
Collection Date :	3/5/2009			3/5/2009														
Dilution Factor :	1.0			1.0			4.0			8.0			5.0			2.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Bromodichloromethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		20U	U		40U	U		25U	U		10U	U	
Toluene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Tetrachloroethene	180E	J		18			30D			2.6DJ	J		49D			15D		
2-Hexanone	5.0U	U		5.0U	U		20U	U		40U	U		25U	U		10U	U	
Dibromochloromethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Chlorobenzene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Ethylbenzene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
o-Xylene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
m,p-Xylene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Styrene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Bromoform	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Isopropylbenzene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		2.0U	U		4.0U	U		2.5U	U		1.0U	U	
Vinyl chloride-d3	6.2			6.7			7.4			7.8			7.7			8.0		

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	15			18														
Sample ID :	Y4N70			Y4N73			Y4N57DL			Y4N58DL			Y4N59DL			Y4N60DL		
Collection Date :	3/5/2009			3/5/2009														
Dilution Factor :	1.0			1.0			4.0			8.0			5.0			2.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			4.9			5.0			5.4			5.4			5.6		
1,1-Dichloroethene-d2	4.6			6.4			5.2			5.6			5.4			5.6		
2-Butanone-d5	34			35			47			47			48			47		
Chloroform-d	5.4			4.9			4.6			4.7			4.7			4.8		
1,2-Dichloroethane-d4	4.6			4.7			4.6			4.8			4.7			4.9		
Benzene-d6	6.7			6.2			5.1			5.1			5.2			5.3		
1,2-Dichloropropane-d6	5.1			5.3			5.1			4.9			5.3			5.4		
Toluene-d8	6.1			5.6			4.8			4.8			4.9			4.9		
trans-1,3-Dichloropropene-d	4.9			4.5			4.0			3.9			3.9			3.8		
2-Hexanone-d5	32			38			43			45			45			44		
1,1,2,2-Tetrachloroethane-d	4.2			4.4			4.7			4.4			4.7			4.6		
1,2-Dichlorobenzene-d4	5.3			5.7			4.5			4.6			4.7			4.6		

Percent Solids

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. : 38274 SDG No. : Y4N51
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4N61DL			Y4N62DL			Y4N64DL			Y4N65DL			Y4N66DL			Y4N68DL		
Collection Date :																		
Dilution Factor :	4.0			10.0			80.0			25.0			10.0			2.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Chloromethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Vinyl chloride	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Bromomethane	2.0U	U		5.0U	U		40U	UJ		13U	U		5.0U	U		1.0U	U	
Chloroethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Trichlorofluoromethane	2.0U	U		5.0U	U		150D			17D			5.0U	U		9.4D		
1,1-Dichloroethene	0.94DJ	J		3.0DJ	J		340D			44D			3.9DJ	J		13D		
1,1,2-Trichloro-1,2,2-trifluoro	2.0U	U		5.0U	U		420D			46D			5.0U	U		19D		
Acetone	20U	U		50U	U		400U	U		130U	U		50U	U		10U	U	
Carbon disulfide	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Methyl acetate	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Methylene chloride	2.0U	U		5.0DJ	U		40U	U		13U	U		5.0U	U		1.0U	U	
trans-1,2-Dichloroethene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Methyl tert-butyl ether	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,1-Dichloroethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
cis-1,2-Dichloroethene	2.1D			3.0DJ	J		170D			20D			5.0U	U		1.0U	U	
2-Butanone	20U	U		50U	U		400U	U		130U	U		50U	U		10U	U	
Bromochloromethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Chloroform	2.0U	U		5.0U	U		62D			13U	U		5.0U	U		1.0U	U	
1,1,1-Trichloroethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Cyclohexane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Carbon tetrachloride	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Benzene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,2-Dichloroethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Trichloroethene	5.6D			17D			790D			220D			9.7D			1.7D		
Methylcyclohexane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N51
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4N61DL			Y4N62DL			Y4N64DL			Y4N65DL			Y4N66DL			Y4N68DL		
Collection Date :																		
Dilution Factor :	4.0			10.0			80.0			25.0			10.0			2.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Bromodichloromethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
cis-1,3-Dichloropropene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
4-Methyl-2-pentanone	20U	U		50U	U		400U	U		130U	U		50U	U		10U	U	
Toluene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
trans-1,3-Dichloropropene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,1,2-Trichloroethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Tetrachloroethene	33D			79D			1000D			130D			78D			9.0D		
2-Hexanone	20U	U		50U	U		400U	U		130U	U		50U	U		10U	U	
Dibromochloromethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,2-Dibromoethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Chlorobenzene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Ethylbenzene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
o-Xylene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
m,p-Xylene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Styrene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Bromoform	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Isopropylbenzene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,1,2,2-Tetrachloroethane	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,3-Dichlorobenzene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,4-Dichlorobenzene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,2-Dichlorobenzene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,2-Dibromo-3-chloropropan	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,2,4-Trichlorobenzene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
1,2,3-Trichlorobenzene	2.0U	U		5.0U	U		40U	U		13U	U		5.0U	U		1.0U	U	
Vinyl chloride-d3	8.1			7.9			8.6			8.5			8.5			8.5		

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N51
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4N61DL			Y4N62DL			Y4N64DL			Y4N65DL			Y4N66DL			Y4N68DL		
Collection Date :																		
Dilution Factor :	4.0			10.0			80.0			25.0			10.0			2.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.7			5.6			6.1			5.8			5.9			5.8		
1,1-Dichloroethene-d2	5.9			5.7			6.6			5.7			5.8			6.1		
2-Butanone-d5	48			48			54			47			48			46		
Chloroform-d	4.8			4.8			5.2			4.8			4.9			4.8		
1,2-Dichloroethane-d4	4.9			5.0			5.6			4.8			5.1			5.0		
Benzene-d6	5.3			5.2			5.4			5.3			5.3			5.2		
1,2-Dichloropropane-d6	5.2			5.2			5.3			5.2			5.2			5.3		
Toluene-d8	4.9			4.9			5.0			5.0			5.0			4.9		
trans-1,3-Dichloropropene-d4	3.8			3.9			5.6			4.8			4.6			5.0		
2-Hexanone-d5	44			45			49			47			45			45		
1,1,2,2-Tetrachloroethane-d2	4.6			4.4			4.5			4.5			4.8			4.3		
1,2-Dichlorobenzene-d4	4.5			4.4			4.2			4.2			4.2			4.2		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4N69DL			Y4N70DL			Y4N73DL			Y4N73MS			Y4N73MSD			Method Blank VBLK5Q		
Collection Date :																		
Dilution Factor :	5.0			20.0			5.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	2.5U	U		45D			3.0D			2.5			2.6			0.50U	U	
1,1-Dichloroethene	5.1D			100D			7.3D			9.1	J		9.3	J		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	2.5U	U		95D			9.8D			7.8			8.1			0.50U	U	
Acetone	25U	U		100U	U		25U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	16D			10U	U		2.5U	U		0.46J	J		0.43J	J		0.50U	U	
2-Butanone	25U	U		100U	U		25U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	2.5U	U		10U	U		2.5U	U		1.1			1.1			0.50U	U	
1,1,1-Trichloroethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	2.5U	U		10U	U		2.5U	U		5.2			4.8			0.50U	U	
1,2-Dichloroethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	46D			100D			68D			62E	J		62E	J		0.50U	U	
Methylcyclohexane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4N69DL			Y4N70DL			Y4N73DL			Y4N73MS			Y4N73MSD			Method Blank VBLK5Q		
Collection Date :																		
Dilution Factor :	5.0			20.0			5.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	25U	U		100U	U		25U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	2.5U	U		10U	U		2.5U	U		5.3			4.8			0.50U	U	
trans-1,3-Dichloropropene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	1.3DJ	J		110D			16D			19			19			0.50U	U	
2-Hexanone	25U	U		100U	U		25U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	2.5U	U		10U	U		2.5U	U		5.2			4.8			0.50U	U	
Ethylbenzene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	2.5U	U		10U	U		2.5U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	8.6			8.4			8.0			6.3			6.8			4.3		

ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4N69DL			Y4N70DL			Y4N73DL			Y4N73MS			Y4N73MSD			Method Blank VBLK5Q		
Collection Date :																		
Dilution Factor :	5.0			20.0			5.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	6.1			5.9			5.8			4.9			5.0			4.9		
1,1-Dichloroethene-d2	6.1			6.1			5.7			6.1			6.5			4.6		
2-Butanone-d5	48			47			56			34			37			49		
Chloroform-d	5.0			4.9			5.0			4.9			4.8			4.7		
1,2-Dichloroethane-d4	5.1			5.0			5.4			4.8			4.8			5.1		
Benzene-d6	5.3			5.2			5.4			5.9			5.8			5.1		
1,2-Dichloropropane-d6	5.1			5.2			5.5			5.0			4.7			5.0		
Toluene-d8	4.9			5.0			4.9			5.5			5.4			5.1		
trans-1,3-Dichloropropene-d4	4.7			4.6			5.4			4.7			4.5			5.3		
2-Hexanone-d5	44			44			51			41			40			53		
1,1,2,2-Tetrachloroethane-d2	4.2			4.3			5.2			4.7			3.9			4.7		
1,2-Dichlorobenzene-d4	4.3			4.5			4.2			5.5			5.4			5.8		

Percent Solids

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. : 38274 SDG No. : Y4N51
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	VBLK5S			VBLK5T			VBLK5U			VBLKB5			VBLKC5			VHBLKC5		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	UJ	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.28J	J		0.24J	J		0.23J	J		0.50U	U		0.21J	J		0.24BJ	J	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N51
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	VBLK5S			VBLK5T			VBLK5U			VBLKB5			VBLKC5			VHBLKC5		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.6			4.1			4.9			4.5			5.4			5.7		

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	VBLK5S			VBLK5T			VBLK5U			VBLKB5			VBLKC5			VHBLKC5		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.7			4.7			5.4			4.7			5.9			6.4		
1,1-Dichloroethene-d2	4.7			4.3			5.0			3.9			5.0			5.1		
2-Butanone-d5	52			40			39			49			50			57		
Chloroform-d	4.8			4.4			4.8			4.5			4.8			5.2		
1,2-Dichloroethane-d4	4.9			4.5			4.7			4.5			5.1			5.7		
Benzene-d6	6.1			5.2			6.1			4.8			5.1			4.9		
1,2-Dichloropropane-d6	5.7			4.7			5.4			5.0			5.4			5.0		
Toluene-d8	5.9			4.9			5.9			4.7			4.8			4.8		
trans-1,3-Dichloropropene-d	5.8			4.3			4.6			4.8			4.7			5.6		
2-Hexanone-d5	67			47			45			48			46			53		
1,1,2,2-Tetrachloroethane-d2	5.2			4.3			4.4			4.6			4.5			4.5		
1,2-Dichlorobenzene-d4	6.2			5.3			6.1			4.2			4.3			4.6		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																	
Sample ID :	CRQL																
Collection Date :																	
Dilution Factor :																	
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50																
Chloromethane	0.50																
Vinyl chloride	0.50																
Bromomethane	0.50																
Chloroethane	0.50																
Trichlorofluoromethane	0.50																
1,1-Dichloroethene	0.50																
1,1,2-Trichloro-1,2,2-trifluoro	0.50																
Acetone	5.0																
Carbon disulfide	0.50																
Methyl acetate	0.50																
Methylene chloride	0.50																
trans-1,2-Dichloroethene	0.50																
Methyl tert-butyl ether	0.50																
1,1-Dichloroethane	0.50																
cis-1,2-Dichloroethene	0.50																
2-Butanone	5.0																
Bromochloromethane	0.50																
Chloroform	0.50																
1,1,1-Trichloroethane	0.50																
Cyclohexane	0.50																
Carbon tetrachloride	0.50																
Benzene	0.50																
1,2-Dichloroethane	0.50																
Trichloroethene	0.50																
Methylcyclohexane	0.50																

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																	
Sample ID :	CRQL																
Collection Date :																	
Dilution Factor :																	
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50																
Bromodichloromethane	0.50																
cis-1,3-Dichloropropene	0.50																
4-Methyl-2-pentanone	5.0																
Toluene	0.50																
trans-1,3-Dichloropropene	0.50																
1,1,2-Trichloroethane	0.50																
Tetrachloroethene	0.50																
2-Hexanone	5.0																
Dibromochloromethane	0.50																
1,2-Dibromoethane	0.50																
Chlorobenzene	0.50																
Ethylbenzene	0.50																
o-Xylene	0.50																
m,p-Xylene	0.50																
Styrene	0.50																
Bromoform	0.50																
Isopropylbenzene	0.50																
1,1,2,2-Tetrachloroethane	0.50																
1,3-Dichlorobenzene	0.50																
1,4-Dichlorobenzene	0.50																
1,2-Dichlorobenzene	0.50																
1,2-Dibromo-3-chloropropan	0.50																
1,2,4-Trichlorobenzene	0.50																
1,2,3-Trichlorobenzene	0.50																
Vinyl chloride-d3	NA																

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	CRQL																	
Collection Date :																		
Dilution Factor :																		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	NA																	
1,1-Dichloroethene-d2	NA																	
2-Butanone-d5	NA																	
Chloroform-d	NA																	
1,2-Dichloroethane-d4	NA																	
Benzene-d6	NA																	
1,2-Dichloropropane-d6	NA																	
Toluene-d8	NA																	
trans-1,3-Dichloropropene-d	NA																	
2-Hexanone-d5	NA																	
1,1,2,2-Tetrachloroethane-d	NA																	
1,2-Dichlorobenzene-d4	NA																	

Percent Solids

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 Page ____ of ____

Case No. : 38274 SDG No. : Y4N51 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Volatiles SIM

Date : **Concentration in ug/L**

Station Location :	MW3			MW7			MW11			MW21			1			2		
Sample ID :	Y4N51			Y4N52			Y4N53			Y4N55			Y4N56			Y4N57		
Collection Date :	3/2/2009			3/2/2009			3/2/2009			3/2/2009			3/3/2009			3/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.49			0.50			0.49			0.49			0.50			0.49		
1,1,2,2-Tetrachloroethane-d2	0.47			0.49			0.51			0.47			0.48			0.48		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	3			4			5			6			7					
Sample ID :	Y4N58			Y4N59			Y4N60			Y4N61			Y4N62			Y4N63		
Collection Date :	3/3/2009			3/3/2009			3/3/2009			3/3/2009			3/3/2009					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.49			0.50			0.51			0.53			0.54			0.53		
1,1,2,2-Tetrachloroethane-d2	0.52			0.46			0.51			0.48			0.53			0.49		

Percent Solids

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. : 38274 SDG No. : Y4N51
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	9			10			11						13			14		
Sample ID :	Y4N64			Y4N65			Y4N66			Y4N67			Y4N68			Y4N69		
Collection Date :	3/4/2009			3/4/2009			3/4/2009						3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.49			0.50			0.51			0.53			0.53			0.52		
1,1,2,2-Tetrachloroethane-d2	0.57			0.56			0.54			0.51			0.49			0.51		

Percent Solids

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. : 38274 SDG No. : Y4N51
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	15			18			Method Blank			Method Blank			Method Blank					
Sample ID :	Y4N70			Y4N73			VBLK5X			VBLK5Y			VHBLK5Y			CRQL		
Collection Date :	3/5/2009			3/5/2009														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050		
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050		
1,2-Dichloroethane-d4	0.51			0.52			0.46			0.52			0.58			NA		
1,1,2,2-Tetrachloroethane-d2	0.54			0.51			0.47			0.51			0.51			NA		

Percent Solids

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 Page ____ of ____

Case No. : 38274 SDG No. : Y4N51 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	MW3			MW7			MW11			MW21			1			2		
Sample ID :	Y4N51			Y4N52			Y4N53			Y4N55			Y4N56			Y4N57		
Collection Date :	3/2/2009			3/2/2009			3/2/2009			3/2/2009			3/3/2009			3/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.0U	U		2.0U	U		2.0U	U		1.6J	J		2.3			0.59J	J	

Percent Solids

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 Page ____ of ____

Case No. : 38274 SDG No. : Y4N51 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	3			4			5			6			7			9		
Sample ID :	Y4N58			Y4N59			Y4N60			Y4N61			Y4N62			Y4N64		
Collection Date :	3/3/2009			3/3/2009			3/3/2009			3/3/2009			3/3/2009			3/4/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.0U	U		2.0U	U		2.0U	U		2.0U	U		2.4			34		

Percent Solids

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 Page ____ of ____

Case No. : 38274 SDG No. : Y4N51 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	10			11			13			14			15			18		
Sample ID :	Y4N65			Y4N66			Y4N68			Y4N69			Y4N70			Y4N73		
Collection Date :	3/4/2009			3/4/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	17			2.8			1.4J	J		2.0U	U		14			0.73J	J	

Percent Solids

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. : 38274 SDG No. : Y4N51

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	SBLK4E			SBLK4F			CRQL											
Collection Date :																		
Dilution Factor :	1.0			1.0														
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.0U	U		2.0U	U		2.0											

Percent Solids

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. : 38274 SDG No. : Y4N71
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	16			17			19			20			21			22		
Sample ID :	Y4N71			Y4N72			Y4N74			Y4N75			Y4N76			Y4N77		
Collection Date :	3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	UJ		0.50U	UJ		0.50U	U		0.50U	UJ	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Trichlorofluoromethane	63E			74E			0.50U	U		0.50U	U		3.3			8.0	J	
1,1-Dichloroethene	120E			140E			0.50U	U		0.50U	U		230E	J		22E	J	
1,1,2-Trichloro-1,2,2-trifluoro	130E			150E			0.50U	U		0.50U	U		18			22E	J	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		16B			0.50U	UJ	
trans-1,2-Dichloroethene	0.50U	U		0.21J	J		0.50U	U		0.50U	U		4.4	J		0.50U	U	
Methyl tert-butyl ether	0.28J	J		0.32J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
1,1-Dichloroethane	0.43J	J		0.49J	J		0.50U	U		0.50U	U		14	J		0.50U	U	
cis-1,2-Dichloroethene	0.86			0.90			0.50U	U		0.50U	U		13	J		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	21E			23E			0.50U	U		0.50U	U		27E	J		4.1	J	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		9100E	J		0.50U	UJ	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	UJ	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		21E	J		0.50U	U	
1,2-Dichloroethane	1.9			1.8			0.50U	U		0.50U	U		0.50U	U		0.67	J	
Trichloroethene	55E			62E			0.50U	U		0.50U	U		11000E	J		8.9		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	16			17			19			20			21			22		
Sample ID :	Y4N71			Y4N72			Y4N74			Y4N75			Y4N76			Y4N77		
Collection Date :	3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	R		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		38E	J		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
Tetrachloroethene	210E			260E			1.6			4.2			79000E	J		130E		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	R		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	UJ	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.7	J		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		1.5	J		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		1.2	J		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		1.1	J		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.3	J		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.52	J		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		1.4	J		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		11	J		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U	
Vinyl chloride-d3	6.5			7.0			6.3			6.0			9.5			4.2		

ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	16			17			19			20			21			22		
Sample ID :	Y4N71			Y4N72			Y4N74			Y4N75			Y4N76			Y4N77		
Collection Date :	3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.6			4.9			4.4			4.3			7.2			3.2		
1,1-Dichloroethene-d2	4.9			4.4			6.2			6.3			9.7			3.3		
2-Butanone-d5	38			40			59			55			59			36		
Chloroform-d	5.5			6.0			5.2			5.1			8.7			4.1		
1,2-Dichloroethane-d4	4.5			5.1			5.5			5.6			5.0			3.6		
Benzene-d6	6.0			6.0			5.3			5.2			48			5.9		
1,2-Dichloropropane-d6	5.1			5.6			5.2			5.3			30			4.9		
Toluene-d8	5.8			5.8			4.9			4.8			53			5.8		
trans-1,3-Dichloropropene-d	5.3			5.4			5.6			5.5			62			4.5		
2-Hexanone-d5	36			35			52			49			230			38		
1,1,2,2-Tetrachloroethane-d2	4.5			4.6			4.8			4.8			2.8			3.8		
1,2-Dichlorobenzene-d4	5.1			5.2			4.4			4.1			5.9			4.9		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	23			24			25			26			27			28		
Sample ID :	Y4N78			Y4N79			Y4N80			Y4N81			Y4N82			Y4N83		
Collection Date :	3/5/2009			3/5/2009			3/6/2009			3/6/2009			3/6/2009			3/6/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	U		0.50U	UJ		0.50U	U	
Chloroethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	6.8			0.50U	U		0.50U	U		0.50U	U		0.50U	U		17		
1,1-Dichloroethene	12	J		0.50U	U		0.61	J		0.50U	U		0.50U	U		30E	J	
1,1,2-Trichloro-1,2,2-trifluoro	16			0.50U	U		0.50U	U		0.50U	U		0.50U	U		38E		
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.22J	J	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		19	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	1.3			0.40J	J		0.50U	U		0.50U	U		0.50U	U		4.6		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	3.9			0.50U	U		0.92			120E	J		0.50U	U		110E		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	23			24			25			26			27			28		
Sample ID :	Y4N78			Y4N79			Y4N80			Y4N81			Y4N82			Y4N83		
Collection Date :	3/5/2009			3/5/2009			3/6/2009			3/6/2009			3/6/2009			3/6/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	R		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Tetrachloroethene	11			0.50U	U		3.9			1800E	J		0.69			53E		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	R		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	UJ		0.50U	U		0.50U	U		0.50U	R		0.50U	UJ		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	R		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
1,4-Dichlorobenzene	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
1,2-Dichlorobenzene	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Vinyl chloride-d3	5.9			5.9			6.0			6.5			5.9			6.9		

ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	23			24			25			26			27			28		
Sample ID :	Y4N78			Y4N79			Y4N80			Y4N81			Y4N82			Y4N83		
Collection Date :	3/5/2009			3/5/2009			3/6/2009			3/6/2009			3/6/2009			3/6/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	1.6			4.2			4.2			4.7			4.2			4.9		
1,1-Dichloroethene-d2	6.4			6.5			6.4			5.6			6.2			5.4		
2-Butanone-d5	55			56			54			36			53			41		
Chloroform-d	5.1			4.9			5.0			4.5			4.9			5.0		
1,2-Dichloroethane-d4	5.4			5.4			5.3			4.6			5.5			4.8		
Benzene-d6	4.9			5.1			5.1			13			4.9			5.5		
1,2-Dichloropropane-d6	4.8			5.0			5.1			12			4.9			4.6		
Toluene-d8	4.6			4.8			4.7			13			4.7			5.2		
trans-1,3-Dichloropropene-d4	4.9			5.3			4.9			11			5.2			4.9		
2-Hexanone-d5	49			49			47			24			48			44		
1,1,2,2-Tetrachloroethane-d2	4.2			4.6			4.3			9.0			4.4			4.7		
1,2-Dichlorobenzene-d4	3.9			4.0			4.1			4.9			3.9			4.8		

Percent Solids

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. : 38274 SDG No. : Y4N71
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	29			30			31			32			33			34		
Sample ID :	Y4N84			Y4N85			Y4N86			Y4N87			Y4N88			Y4N89		
Collection Date :	3/6/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		1.1			1.1			0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		0.22J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.41J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		0.50U	U		0.50U	U		1.1			0.56			0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	29			30			31			32			33			34		
Sample ID :	Y4N84			Y4N85			Y4N86			Y4N87			Y4N88			Y4N89		
Collection Date :	3/6/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.21J	J		0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ	
Vinyl chloride-d3	6.3			5.6			5.6			5.9			5.8			6.6		

ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	29			30			31			32			33			34		
Sample ID :	Y4N84			Y4N85			Y4N86			Y4N87			Y4N88			Y4N89		
Collection Date :	3/6/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.4			4.1			4.3			4.2			4.3			4.7		
1,1-Dichloroethene-d2	6.7			6.8			7.0			7.0			6.9			6.9		
2-Butanone-d5	55			45			45			44			44			52		
Chloroform-d	5.1			5.1			5.1			5.1			5.2			5.2		
1,2-Dichloroethane-d4	5.6			5.9			5.5			5.5			5.6			5.4		
Benzene-d6	5.2			5.3			5.2			5.3			5.3			5.0		
1,2-Dichloropropane-d6	5.3			5.5			5.1			5.4			5.2			5.2		
Toluene-d8	4.7			5.0			5.0			4.9			4.9			4.8		
trans-1,3-Dichloropropene-d	5.1			5.4			5.2			5.0			5.1			4.9		
2-Hexanone-d5	51			41			36			42			38			43		
1,1,2,2-Tetrachloroethane-d2	4.0			4.3			4.4			4.1			4.2			4.3		
1,2-Dichlorobenzene-d4	4.0			4.1			4.4			4.3			4.0			3.9		

Percent Solids

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. : 38274 SDG No. : Y4N71
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	35			36														
Sample ID :	Y4N90			Y4N91			Y4N71DL			Y4N72DL			Y4N76DL			Y4N77DL		
Collection Date :	3/9/2009			3/9/2009														
Dilution Factor :	1.0			1.0			20.0			20.0			4000.0			2.5		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Chloromethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Vinyl chloride	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Bromomethane	0.50U	UJ		0.50U	UJ		10U	UJ		10U	UJ		2000U	UJ		1.3U	UJ	
Chloroethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		77D			78D			2000U	U		16D		
1,1-Dichloroethene	0.50U	U		0.50U	U		150D			150D			2000U	U		33D		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		170D			170D			2000U	U		39D		
Acetone	5.0U	U		5.0U	U		100U	U		100U	U		20000U	U		13U	U	
Carbon disulfide	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Methyl acetate	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Methylene chloride	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
2-Butanone	5.0U	U		5.0U	U		100U	U		100U	U		20000U	U		13U	U	
Bromochloromethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Chloroform	0.50U	U		0.50U	U		24D			24D			2000U	U		5.9D		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		10U	U		10U	U		820DJ	J		1.3U	U	
Cyclohexane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Benzene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Trichloroethene	0.44J	J		0.50U	U		44D			44D			2000U	U		8.6D		
Methylcyclohexane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N71
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	35			36														
Sample ID :	Y4N90			Y4N91			Y4N71DL			Y4N72DL			Y4N76DL			Y4N77DL		
Collection Date :	3/9/2009			3/9/2009														
Dilution Factor :	1.0			1.0			20.0			20.0			4000.0			2.5		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Bromodichloromethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		100U	U		100U	U		20000U	U		13U	U	
Toluene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Tetrachloroethene	1.8			0.50U	U		120D			120D			49000D			42D		
2-Hexanone	5.0U	U		5.0U	U		100U	U		100U	U		20000U	U		13U	U	
Dibromochloromethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Chlorobenzene	0.50U	UJ		0.50U	UJ		10U	U		10U	U		2000U	U		1.3U	U	
Ethylbenzene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
o-Xylene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
m,p-Xylene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Styrene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Bromoform	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
Isopropylbenzene	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
1,3-Dichlorobenzene	0.50U	UJ		0.50U	UJ		10U	U		10U	U		2000U	U		1.3U	U	
1,4-Dichlorobenzene	0.50U	UJ		0.50U	UJ		10U	U		10U	U		2000U	U		1.3U	U	
1,2-Dichlorobenzene	0.50U	UJ		0.50U	UJ		10U	U		10U	U		2000U	U		1.3U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		10U	U		10U	U		2000U	U		1.3U	U	
1,2,4-Trichlorobenzene	0.50U	UJ		0.50U	UJ		10U	U		10U	U		2000U	U		1.3U	U	
1,2,3-Trichlorobenzene	0.50U	UJ		0.50U	UJ		10U	U		10U	U		2000U	U		1.3U	U	
Vinyl chloride-d3	6.5			6.5			6.0			5.9			6.1			5.5		

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N71
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	35			36														
Sample ID :	Y4N90			Y4N91			Y4N71DL			Y4N72DL			Y4N76DL			Y4N77DL		
Collection Date :	3/9/2009			3/9/2009														
Dilution Factor :	1.0			1.0			20.0			20.0			4000.0			2.5		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.7			4.6			4.3			1.7			4.4			4.0		
1,1-Dichloroethene-d2	6.9			6.7			6.6			6.5			6.6			6.1		
2-Butanone-d5	51			49			56			59			57			54		
Chloroform-d	4.9			5.1			5.2			5.3			5.1			4.9		
1,2-Dichloroethane-d4	5.6			5.4			5.4			5.5			5.7			5.5		
Benzene-d6	5.2			5.1			5.1			5.1			5.1			5.0		
1,2-Dichloropropane-d6	5.2			5.1			5.0			5.3			5.1			5.0		
Toluene-d8	4.9			4.9			4.8			4.9			4.8			4.7		
trans-1,3-Dichloropropene-d	5.3			5.0			5.3			5.4			5.5			5.4		
2-Hexanone-d5	43			45			50			52			52			49		
1,1,2,2-Tetrachloroethane-d	4.2			4.2			4.6			4.4			4.5			4.3		
1,2-Dichlorobenzene-d4	3.7			3.8			4.2			4.2			4.0			4.0		

Percent Solids

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. : 38274 SDG No. : Y4N71
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :							Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	Y4N81DL			Y4N83DL			VBLK5V			VBLKC5			VBLKD5			VBLKG5		
Collection Date :																		
Dilution Factor :	40.0			10.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	20U	U		5.0U	UJ		0.50U	U		0.50U	UJ		0.50U	UJ		0.50U	U	
Chloroethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	20U	U		15D			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	20U	U		26D			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	20U	U		32D			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	200U	U		50U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	20U	U		5.0U	U		0.31J	J		0.21J	J		0.31J	J		0.50U	U	
trans-1,2-Dichloroethene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	20U	U		13D			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	200U	U		50U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	20U	U		4.3DJ	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	47D			80D			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y4N81DL			Y4N83DL			VBLK5V			VBLKC5			VBLKD5			VBLKG5		
Collection Date :																		
Dilution Factor :	40.0			10.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	200U	U		50U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	540D			25D			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	200U	U		50U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	20U	U		5.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.5			6.0			4.3			5.4			5.3			5.3		

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y4N81DL			Y4N83DL			VBLK5V			VBLKC5			VBLKD5			VBLKG5		
Collection Date :																		
Dilution Factor :	40.0			10.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.6			4.4			5.1			5.9			6.1			5.3		
1,1-Dichloroethene-d2	3.0			6.3			4.8			5.0			5.0			3.0		
2-Butanone-d5	48			53			44			50			57			49		
Chloroform-d	4.4			5.1			4.8			4.8			5.1			4.9		
1,2-Dichloroethane-d4	4.5			5.6			4.8			5.1			5.7			5.0		
Benzene-d6	4.9			5.0			5.2			5.1			4.9			5.5		
1,2-Dichloropropane-d6	5.0			4.8			4.9			5.4			5.2			5.6		
Toluene-d8	4.7			4.6			5.1			4.8			5.0			5.3		
trans-1,3-Dichloropropene-d	5.0			5.0			4.8			4.7			5.7			5.6		
2-Hexanone-d5	51			49			52			46			52			51		
1,1,2,2-Tetrachloroethane-d2	4.5			4.2			4.2			4.5			4.9			5.2		
1,2-Dichlorobenzene-d4	4.7			3.9			5.3			4.3			4.5			4.9		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			CRQL														
Sample ID :	VHBLKG5																	
Collection Date :																		
Dilution Factor :	1.0																	
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50														
Chloromethane	0.50U	U		0.50														
Vinyl chloride	0.50U	U		0.50														
Bromomethane	0.50U	U		0.50														
Chloroethane	0.50U	U		0.50														
Trichlorofluoromethane	0.50U	U		0.50														
1,1-Dichloroethene	0.50U	U		0.50														
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50														
Acetone	5.0U	U		5.0														
Carbon disulfide	0.50U	U		0.50														
Methyl acetate	0.50U	U		0.50														
Methylene chloride	0.22J	J		0.50														
trans-1,2-Dichloroethene	0.50U	U		0.50														
Methyl tert-butyl ether	0.50U	U		0.50														
1,1-Dichloroethane	0.50U	U		0.50														
cis-1,2-Dichloroethene	0.50U	U		0.50														
2-Butanone	5.0U	U		5.0														
Bromochloromethane	0.50U	U		0.50														
Chloroform	0.50U	U		0.50														
1,1,1-Trichloroethane	0.50U	U		0.50														
Cyclohexane	0.50U	U		0.50														
Carbon tetrachloride	0.50U	U		0.50														
Benzene	0.50U	U		0.50														
1,2-Dichloroethane	0.50U	U		0.50														
Trichloroethene	0.50U	U		0.50														
Methylcyclohexane	0.50U	U		0.50														

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			CRQL														
Sample ID :	VHBLKG5																	
Collection Date :																		
Dilution Factor :	1.0																	
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50														
Bromodichloromethane	0.50U	U		0.50														
cis-1,3-Dichloropropene	0.50U	U		0.50														
4-Methyl-2-pentanone	5.0U	U		5.0														
Toluene	0.50U	U		0.50														
trans-1,3-Dichloropropene	0.50U	U		0.50														
1,1,2-Trichloroethane	0.50U	U		0.50														
Tetrachloroethene	0.50U	U		0.50														
2-Hexanone	5.0U	U		5.0														
Dibromochloromethane	0.50U	U		0.50														
1,2-Dibromoethane	0.50U	U		0.50														
Chlorobenzene	0.50U	U		0.50														
Ethylbenzene	0.50U	U		0.50														
o-Xylene	0.50U	U		0.50														
m,p-Xylene	0.50U	U		0.50														
Styrene	0.50U	U		0.50														
Bromoform	0.50U	U		0.50														
Isopropylbenzene	0.50U	U		0.50														
1,1,2,2-Tetrachloroethane	0.50U	U		0.50														
1,3-Dichlorobenzene	0.50U	U		0.50														
1,4-Dichlorobenzene	0.50U	U		0.50														
1,2-Dichlorobenzene	0.50U	U		0.50														
1,2-Dibromo-3-chloropropan	0.50U	U		0.50														
1,2,4-Trichlorobenzene	0.50U	U		0.50														
1,2,3-Trichlorobenzene	0.50U	U		0.50														
Vinyl chloride-d3	6.5			NA														

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			CRQL														
Sample ID :	VHBLKG5																	
Collection Date :																		
Dilution Factor :	1.0																	
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	6.4			NA														
1,1-Dichloroethene-d2	3.8			NA														
2-Butanone-d5	55			NA														
Chloroform-d	5.5			NA														
1,2-Dichloroethane-d4	5.6			NA														
Benzene-d6	6.1			NA														
1,2-Dichloropropane-d6	6.0			NA														
Toluene-d8	5.8			NA														
trans-1,3-Dichloropropene-d	5.8			NA														
2-Hexanone-d5	55			NA														
1,1,2,2-Tetrachloroethane-d	5.2			NA														
1,2-Dichlorobenzene-d4	5.6			NA														

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	16			17			19			20			22			23		
Sample ID :	Y4N71			Y4N72			Y4N74			Y4N75			Y4N77			Y4N78		
Collection Date :	3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.51			0.50			0.54			0.55			0.53			0.54		
1,1,2,2-Tetrachloroethane-d2	0.53			0.52			0.50			0.51			0.49			0.52		

Percent Solids

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 Page ____ of ____

Case No. : 38274 SDG No. : Y4N71 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :				25			26			27			28					
Sample ID :	Y4N79			Y4N80			Y4N81			Y4N82			Y4N83			Y4N84		
Collection Date :				3/6/2009			3/6/2009			3/6/2009			3/6/2009					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.56			0.57			0.54			0.46			0.47			0.47		
1,1,2,2-Tetrachloroethane-d2	0.47			0.52			0.60			0.44			0.45			0.43		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	30			31			32			33			34			35		
Sample ID :	Y4N85			Y4N86			Y4N87			Y4N88			Y4N89			Y4N90		
Collection Date :	3/9/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.47			0.50			0.48			0.48			0.50			0.48		
1,1,2,2-Tetrachloroethane-d2	0.46			0.46			0.46			0.45			0.46			0.46		

Percent Solids

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

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ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N71 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	36			Method Blank			Method Blank			Method Blank								
Sample ID :	Y4N91			VBLK5Y			VBLKJ5			VHBLKJ5			CRQL					
Collection Date :	3/9/2009																	
Dilution Factor :	1.0			1.0			1.0			1.0								
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050					
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050					
1,2-Dichloroethane-d4	0.49			0.52			0.46			0.51			NA					
1,1,2,2-Tetrachloroethane-d2	0.46			0.51			0.43			0.48			NA					

Percent Solids

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

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D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

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ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N71 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	16			17			19			20			21			22		
Sample ID :	Y4N71			Y4N72			Y4N74			Y4N75			Y4N76			Y4N77		
Collection Date :	3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009			3/5/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	13			13			2.0U	U		2.0U	U		190E			3.2		

Percent Solids

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

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ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	23			25			26			27			28			30		
Sample ID :	Y4N78			Y4N80			Y4N81			Y4N82			Y4N83			Y4N85		
Collection Date :	3/5/2009			3/6/2009			3/6/2009			3/6/2009			3/6/2009			3/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.4			2.0U	U		2.0U	U		2.0U	U		3.4			2.0U	U	

Percent Solids

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,

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ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	31			32			33			34			35			36		
Sample ID :	Y4N86			Y4N87			Y4N88			Y4N89			Y4N90			Y4N91		
Collection Date :	3/9/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009			3/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.0U	U		2.0U	U		2.4			2.0U	U		2.0U	U		2.0U	U	

Percent Solids

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,

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ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N71

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :				Method Blank			Method Blank			Method Blank								
Sample ID :	Y4N76DL			SBLK4F			SBLK4G			SBLK4H			CRQL					
Collection Date :																		
Dilution Factor :	5.0			1.0			1.0			1.0								
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	280D			2.0U	U		2.0U	U		2.0U	U		2.0					

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	37			38			39			40			41			42		
Sample ID :	Y4N92			Y4N93			Y4N94			Y4N95			Y4N96			Y4N97		
Collection Date :	3/9/2009			3/10/2009			3/10/2009			3/10/2009			3/10/2009			3/10/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Chloromethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Chloroethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Trichlorofluoromethane	0.50U	U		16			0.50U	U		0.81			0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		22E	J		0.50U	U		2.0			1.9			0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		34E			0.50U	U		1.4			0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.46J	J		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		1.6	J		0.50U	U		0.33J	J		3.3			0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		3.4			0.50U	U		0.21J	J		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		91E			0.69			10			3.7			0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	37			38			39			40			41			42		
Sample ID :	Y4N92			Y4N93			Y4N94			Y4N95			Y4N96			Y4N97		
Collection Date :	3/9/2009			3/10/2009			3/10/2009			3/10/2009			3/10/2009			3/10/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		50E			0.50U	U		5.2			0.21J	J		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.2			5.3			5.5			5.3			5.4			4.9		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N92 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	37			38			39			40			41			42		
Sample ID :	Y4N92			Y4N93			Y4N94			Y4N95			Y4N96			Y4N97		
Collection Date :	3/9/2009			3/10/2009			3/10/2009			3/10/2009			3/10/2009			3/10/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			2.6			5.1			5.0			3.0			4.6		
1,1-Dichloroethene-d2	3.3			13			3.6			4.3			4.3			3.1		
2-Butanone-d5	41			45			44			42			44			47		
Chloroform-d	4.6			5.0			5.0			4.7			4.7			4.4		
1,2-Dichloroethane-d4	4.7			4.7			4.8			4.7			4.7			4.6		
Benzene-d6	5.3			5.3			5.2			5.3			5.1			5.0		
1,2-Dichloropropane-d6	5.3			5.0			5.1			5.1			5.1			5.0		
Toluene-d8	5.1			5.1			5.1			5.0			5.0			4.8		
trans-1,3-Dichloropropene-d4	4.8			4.6			4.4			4.3			4.3			5.0		
2-Hexanone-d5	44			42			44			40			42			48		
1,1,2,2-Tetrachloroethane-d2	4.0			4.4			4.1			4.3			4.3			4.4		
1,2-Dichlorobenzene-d4	4.5			4.4			4.6			4.6			4.6			4.6		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	43			44			45			46			47			48		
Sample ID :	Y4N98			Y4N99			Y4NA0			Y4NA1			Y4NA2			Y4NA3		
Collection Date :	3/11/2009			3/11/2009			3/11/2009			3/11/2009			3/11/2009			3/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.90			0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	9.8			9.5			0.50U	U		0.50U	U		2.2			0.50U	U	
1,1-Dichloroethene	62E	J		60E	J		0.50U	U		80E	J		52E	J		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	16			21E			0.50U	U		0.50U	U		5.3			0.50U	U	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.24J	J		0.23J	J		0.50U	U		0.50U	U		1.4	J		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	27E			26E			0.50U	U		4.2			6.6			0.50U	U	
cis-1,2-Dichloroethene	40E	J		42E	J		0.50U	U		17	J		20E	J		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	7.6			7.2			0.50U	U		0.50U	U		0.47J	J		0.50U	U	
1,1,1-Trichloroethane	11			9.5			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.1			0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	2.5			2.6			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	66E			66E			9.4			170E			64E			0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		1.1			0.50U	U		0.50U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N92
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	43			44			45			46			47			48		
Sample ID :	Y4N98			Y4N99			Y4NA0			Y4NA1			Y4NA2			Y4NA3		
Collection Date :	3/11/2009			3/11/2009			3/11/2009			3/11/2009			3/11/2009			3/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	100E			120E			1.6			12			110E			0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	5.3			4.1			4.2			4.1			3.9			4.4		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N92 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	43			44			45			46			47			48		
Sample ID :	Y4N98			Y4N99			Y4NA0			Y4NA1			Y4NA2			Y4NA3		
Collection Date :	3/11/2009			3/11/2009			3/11/2009			3/11/2009			3/11/2009			3/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.1			4.6			4.5			4.5			4.6			4.9		
1,1-Dichloroethene-d2	30			26			3.0			33			23			3.1		
2-Butanone-d5	47			50			49			50			50			53		
Chloroform-d	5.0			4.9			4.8			4.6			4.6			4.8		
1,2-Dichloroethane-d4	4.8			5.0			4.7			4.8			4.7			5.3		
Benzene-d6	5.2			5.3			4.9			4.7			5.0			4.9		
1,2-Dichloropropane-d6	4.9			5.3			5.2			5.5			5.4			5.3		
Toluene-d8	5.0			4.9			4.8			4.7			4.7			4.8		
trans-1,3-Dichloropropene-d	4.7			5.6			5.2			5.1			5.2			5.1		
2-Hexanone-d5	40			56			53			48			47			51		
1,1,2,2-Tetrachloroethane-d2	4.4			4.0			4.3			3.8			4.1			4.0		
1,2-Dichlorobenzene-d4	4.6			4.7			4.7			4.5			4.6			4.7		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	49			50			51			52			53			54		
Sample ID :	Y4NA4			Y4NA5			Y4NA6			Y4NA7			Y4NA8			Y4NA9		
Collection Date :	3/12/2009			3/12/2009			3/12/2009			3/12/2009			3/12/2009			3/12/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	26E			20E	J		0.50U	U		5.8			0.50U	U		1.7		
1,1-Dichloroethene	74E	J		30E	J		0.50U	U		9.7	J		0.50U	U		15	J	
1,1,2-Trichloro-1,2,2-trifluoro	72E			46E	J		0.50U	U		10			0.50U	U		3.3		
Acetone	5.0U	U		5.0U	UJ		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.39J	J		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.56	J		0.20J	J		0.50U	U		0.50U	U		0.50U	U		3.8		
cis-1,2-Dichloroethene	5.0	J		2.9	J		0.50U	U		0.50U	U		0.50U	U		1.9	J	
2-Butanone	5.0U	U		5.0U	UJ		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	26E	J		6.1	J		0.50U	U		1.6			0.50U	U		0.65		
1,1,1-Trichloroethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	2.7			0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	130E			120E	J		0.50U	U		2.0			0.50U	U		20E		
Methylcyclohexane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	49			50			51			52			53			54		
Sample ID :	Y4NA4			Y4NA5			Y4NA6			Y4NA7			Y4NA8			Y4NA9		
Collection Date :	3/12/2009			3/12/2009			3/12/2009			3/12/2009			3/12/2009			3/12/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	UJ		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	270E			80E	J		0.50U	U		26E			0.50U	U		14		
2-Hexanone	5.0U	U		5.0U	UJ		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.1			4.1			4.3			4.2			4.1			4.2		

ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	49			50			51			52			53			54		
Sample ID :	Y4NA4			Y4NA5			Y4NA6			Y4NA7			Y4NA8			Y4NA9		
Collection Date :	3/12/2009			3/12/2009			3/12/2009			3/12/2009			3/12/2009			3/12/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.5			4.5			4.5			4.9			4.8			4.7		
1,1-Dichloroethene-d2	31			15			2.8			7.0			3.0			9.4		
2-Butanone-d5	50			48			49			50			53			49		
Chloroform-d	6.1			5.1			4.6			4.8			4.8			5.0		
1,2-Dichloroethane-d4	5.0			4.8			4.8			4.9			5.0			4.8		
Benzene-d6	5.4			5.1			4.9			5.4			5.0			5.6		
1,2-Dichloropropane-d6	5.5			5.5			5.0			5.4			5.1			5.6		
Toluene-d8	4.9			5.0			4.7			5.1			4.7			5.2		
trans-1,3-Dichloropropene-d4	5.8			5.6			5.0			5.7			4.6			5.8		
2-Hexanone-d5	45			46			44			53			49			46		
1,1,2,2-Tetrachloroethane-d2	4.0			3.9			3.9			4.1			4.2			4.3		
1,2-Dichlorobenzene-d4	4.4			5.0			4.9			4.8			4.7			4.1		

Percent Solids

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. : 38274 SDG No. : Y4N92
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	55			56														
Sample ID :	Y4NB0			Y4NB1			Y4N93DL			Y4N98DL			Y4N99DL			Y4NA1DL		
Collection Date :	3/13/2009			3/13/2009														
Dilution Factor :	1.0			1.0			10.0			10.0			16.0			16.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Chloromethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Vinyl chloride	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Bromomethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Chloroethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Trichlorofluoromethane	21E			9.1			27D			14D			9.1D			8.0U	U	
1,1-Dichloroethene	20	J		42E	J		38D			93D			61D			73D		
1,1,2-Trichloro-1,2,2-trifluoro	47E			15			67D			27D			18D			8.0U	U	
Acetone	5.0U	U		5.0U	U		50U	U		50U	U		80U	U		80U	U	
Carbon disulfide	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Methyl acetate	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Methylene chloride	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,1-Dichloroethane	0.34J	J		2.5			5.0U	U		40D			26D			3.8DJ	J	
cis-1,2-Dichloroethene	2.6	J		5.8	J		5.3D			57D			38D			15D		
2-Butanone	5.0U	U		5.0U	U		50U	U		50U	U		80U	U		80U	U	
Bromochloromethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Chloroform	1.0			1.5			5.6D			11D			8.1D			8.0U	U	
1,1,1-Trichloroethane	0.50U	U		0.40J	J		5.0U	U		15D			9.2D			8.0U	U	
Cyclohexane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Benzene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Trichloroethene	84E			60E			120D			90D			54D			120D		
Methylcyclohexane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N92
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	55			56														
Sample ID :	Y4NB0			Y4NB1			Y4N93DL			Y4N98DL			Y4N99DL			Y4NA1DL		
Collection Date :	3/13/2009			3/13/2009														
Dilution Factor :	1.0			1.0			10.0			10.0			16.0			16.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Bromodichloromethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		50U	U		50U	U		80U	U		80U	U	
Toluene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Tetrachloroethene	76E			82E			70D			130D			79D			10D		
2-Hexanone	5.0U	U		5.0U	U		50U	U		50U	U		80U	U		80U	U	
Dibromochloromethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Chlorobenzene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Ethylbenzene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
o-Xylene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
m,p-Xylene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Styrene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Bromoform	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Isopropylbenzene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		5.0U	U		5.0U	U		8.0U	U		8.0U	U	
Vinyl chloride-d3	4.1			4.2			4.1			4.1			3.9			3.9		

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N92
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	55			56														
Sample ID :	Y4NB0			Y4NB1			Y4N93DL			Y4N98DL			Y4N99DL			Y4NA1DL		
Collection Date :	3/13/2009			3/13/2009														
Dilution Factor :	1.0			1.0			10.0			10.0			16.0			16.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.8			5.0			4.3			4.5			4.3			4.2		
1,1-Dichloroethene-d2	11			19			4.7			6.9			4.2			4.4		
2-Butanone-d5	49			54			43			47			50			50		
Chloroform-d	4.8			4.9			4.5			4.6			4.5			4.4		
1,2-Dichloroethane-d4	5.0			5.4			4.7			4.6			4.8			4.9		
Benzene-d6	5.3			5.2			4.8			5.1			4.9			4.9		
1,2-Dichloropropane-d6	5.4			5.5			5.1			5.4			5.2			5.4		
Toluene-d8	4.9			4.8			4.8			5.0			4.8			4.8		
trans-1,3-Dichloropropene-d4	5.5			5.1			4.4			5.1			5.4			5.3		
2-Hexanone-d5	48			57			38			37			52			54		
1,1,2,2-Tetrachloroethane-d2	3.9			3.9			3.5			4.0			4.1			4.0		
1,2-Dichlorobenzene-d4	4.5			4.9			4.2			4.5			4.7			4.6		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4NA2DL			Y4NA4DL			Y4NA5DL			Y4NA7DL			Y4NA9DL			Y4NB0DL		
Collection Date :																		
Dilution Factor :	10.0			25.0			10.0			2.0			2.0			8.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Chloromethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Vinyl chloride	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Bromomethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Chloroethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Trichlorofluoromethane	2.6DJ	J		32D			20D	J		5.5D			2.1D			24D		
1,1-Dichloroethene	57D			81D			28D	J		8.1D			17D			20D		
1,1,2-Trichloro-1,2,2-trifluoro	7.0D			84D			44D	J		11D			4.3D			53D		
Acetone	50U	U		130U	U		50U	UJ		10U	U		10U	U		40U	U	
Carbon disulfide	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Methyl acetate	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Methylene chloride	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
trans-1,2-Dichloroethene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Methyl tert-butyl ether	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,1-Dichloroethane	7.5D			13U	U		5.0U	UJ		1.0U	U		4.1D			4.0U	U	
cis-1,2-Dichloroethene	17D			13U	U		2.6DJ	J		1.0U	U		2.1D			2.2DJ	J	
2-Butanone	50U	U		130U	U		50U	UJ		10U	U		10U	U		40U	U	
Bromochloromethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Chloroform	5.0U	U		30D			6.5D	J		1.3D			0.73DJ	J		4.0U	U	
1,1,1-Trichloroethane	5.0U	UJ		13U	UJ		5.0U	UJ		1.0U	U		1.0U	UJ		4.0U	U	
Cyclohexane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Carbon tetrachloride	5.0U	UJ		13U	UJ		5.0U	UJ		1.0U	U		1.0U	UJ		4.0U	U	
Benzene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,2-Dichloroethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Trichloroethene	60D			110D			78D	J		1.6D			22D			76D		
Methylcyclohexane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4NA2DL			Y4NA4DL			Y4NA5DL			Y4NA7DL			Y4NA9DL			Y4NB0DL		
Collection Date :																		
Dilution Factor :	10.0			25.0			10.0			2.0			2.0			8.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Bromodichloromethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
cis-1,3-Dichloropropene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
4-Methyl-2-pentanone	50U	U		130U	U		50U	UJ		10U	U		10U	U		40U	U	
Toluene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
trans-1,3-Dichloropropene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,1,2-Trichloroethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Tetrachloroethene	83D			170D			49D	J		19D			16D			59D		
2-Hexanone	50U	U		130U	U		50U	UJ		10U	U		10U	U		40U	U	
Dibromochloromethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,2-Dibromoethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Chlorobenzene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Ethylbenzene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
o-Xylene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
m,p-Xylene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Styrene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Bromoform	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Isopropylbenzene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,1,2,2-Tetrachloroethane	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,3-Dichlorobenzene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,4-Dichlorobenzene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,2-Dichlorobenzene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,2-Dibromo-3-chloropropan	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,2,4-Trichlorobenzene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
1,2,3-Trichlorobenzene	5.0U	U		13U	U		5.0U	UJ		1.0U	U		1.0U	U		4.0U	U	
Vinyl chloride-d3	4.1			4.4			4.0			4.2			3.9			4.1		

ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4NA2DL			Y4NA4DL			Y4NA5DL			Y4NA7DL			Y4NA9DL			Y4NB0DL		
Collection Date :																		
Dilution Factor :	10.0			25.0			10.0			2.0			2.0			8.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.7			4.5			4.5			4.7			4.6			4.9		
1,1-Dichloroethene-d2	5.7			4.4			4.3			4.6			7.0			4.5		
2-Butanone-d5	48			47			46			51			49			45		
Chloroform-d	5.1			5.3			5.1			4.9			5.1			5.1		
1,2-Dichloroethane-d4	5.3			5.0			5.1			4.8			5.3			5.2		
Benzene-d6	5.3			5.1			5.0			5.3			5.5			5.3		
1,2-Dichloropropane-d6	5.5			5.4			5.3			5.4			5.5			5.4		
Toluene-d8	5.2			5.0			4.8			5.0			5.2			5.3		
trans-1,3-Dichloropropene-d	5.3			5.3			5.4			5.1			5.8			5.3		
2-Hexanone-d5	42			49			45			52			50			40		
1,1,2,2-Tetrachloroethane-d2	3.8			3.9			4.0			3.9			4.0			4.0		
1,2-Dichlorobenzene-d4	4.6			4.2			4.2			4.6			4.7			4.6		

Percent Solids

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																	
Sample ID :	Y4NB1DL			Y4NA0MS			Y4NA0MSD			Method Blank VBLKG5			Method Blank VBLKH5			Method Blank VBLKQ5		
Collection Date :																		
Dilution Factor :	8.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	9.7D			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	38D			3.4			3.7	J		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	21D			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	40U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.20J	J		0.50U	U	
trans-1,2-Dichloroethene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	2.3DJ	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	4.3D			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	40U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	1.7DJ	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	4.0U	U		4.0			4.4			0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	51D			14	J		17	J		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																	
Sample ID :	Y4NB1DL			Y4NA0MS			Y4NA0MSD			Method Blank VBLKG5			Method Blank VBLKH5			Method Blank VBLKQ5		
Collection Date :																		
Dilution Factor :	8.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	40U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	4.0U	U		3.9			4.2			0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	56D			1.5			1.8			0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	40U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	4.0U	U		4.2			4.1			0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	4.0U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	4.0U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	4.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.3			4.2			4.3			5.3			6.2			4.1		

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4NB1DL			Y4NA0MS			Y4NA0MSD			Method Blank VBLKG5			Method Blank VBLKH5			Method Blank VBLKQ5		
Collection Date :																		
Dilution Factor :	8.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			4.5			5.0			5.3			6.2			4.6		
1,1-Dichloroethene-d2	5.8			4.3			5.3			3.0			3.6			2.8		
2-Butanone-d5	47			53			44			49			53			45		
Chloroform-d	5.4			4.6			5.2			4.9			5.3			4.4		
1,2-Dichloroethane-d4	5.3			4.8			5.3			5.0			5.3			4.4		
Benzene-d6	5.4			4.7			4.7			5.5			5.8			5.1		
1,2-Dichloropropane-d6	6.0			5.0			4.8			5.6			5.6			5.1		
Toluene-d8	5.2			4.5			4.7			5.3			5.6			5.0		
trans-1,3-Dichloropropene-d	5.4			5.1			5.2			5.6			5.3			5.1		
2-Hexanone-d5	45			49			41			51			56			45		
1,1,2,2-Tetrachloroethane-d2	4.1			3.9			3.3			5.2			4.9			3.8		
1,2-Dichlorobenzene-d4	5.2			4.7			4.6			4.9			5.2			4.5		

Percent Solids

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. : 38274 SDG No. : Y4N92
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank								
Sample ID :	VBLKR5			VBLKS5			VBLKT5			VHBLKT5			CRQL					
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0								
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0					
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Methylene chloride	0.50U	U		0.23J	J		0.50U	U		0.50U	U		0.50					
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0					
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	UJ		0.50U	UJ		0.50					
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	UJ		0.50U	UJ		0.50					
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Trichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N92
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank								
Sample ID :	VBLKR5			VBLKS5			VBLKT5			VHBLKT5			CRQL					
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0								
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0					
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0					
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50					
Vinyl chloride-d3	5.0			4.8			4.8			4.2			NA					

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank								
Sample ID :	VBLKR5			VBLKS5			VBLKT5			VHBLKT5			CRQL					
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0								
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.5			5.3			4.2			4.7			NA					
1,1-Dichloroethene-d2	3.2			3.1			3.3			3.2			NA					
2-Butanone-d5	58			49			48			49			NA					
Chloroform-d	5.3			5.1			5.0			5.2			NA					
1,2-Dichloroethane-d4	5.6			5.2			5.3			5.2			NA					
Benzene-d6	5.5			5.4			5.6			5.2			NA					
1,2-Dichloropropane-d6	5.7			5.5			5.8			5.0			NA					
Toluene-d8	5.4			5.4			5.6			5.1			NA					
trans-1,3-Dichloropropene-d4	5.7			5.8			5.7			5.9			NA					
2-Hexanone-d5	56			50			45			42			NA					
1,1,2,2-Tetrachloroethane-d2	3.9			4.4			3.8			3.8			NA					
1,2-Dichlorobenzene-d4	5.8			4.6			4.5			4.5			NA					

Percent Solids

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 Page ____ of ____

Case No. : 38274 SDG No. : Y4N92 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	37			38			39			40			41			42		
Sample ID :	Y4N92			Y4N93			Y4N94			Y4N95			Y4N96			Y4N97		
Collection Date :	3/9/2009			3/10/2009			3/10/2009			3/10/2009			3/10/2009			3/10/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.51			0.50			0.49			0.51			0.50			0.49		
1,1,2,2-Tetrachloroethane-d2	0.47			0.48			0.49			0.47			0.45			0.45		

Percent Solids

Val - Validity. Refer to Data Qualifiers in Table 1B.

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ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	43			44			45			46			47			48		
Sample ID :	Y4N98			Y4N99			Y4NA0			Y4NA1			Y4NA2			Y4NA3		
Collection Date :	3/11/2009			3/11/2009			3/11/2009			3/11/2009			3/11/2009			3/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.47			0.47			0.49			0.48			0.46			0.48		
1,1,2,2-Tetrachloroethane-d2	0.45			0.44			0.44			0.43			0.44			0.42		

Percent Solids

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

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ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N92
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	49			50			51			52			53			54		
Sample ID :	Y4NA4			Y4NA5			Y4NA6			Y4NA7			Y4NA8			Y4NA9		
Collection Date :	3/12/2009			3/12/2009			3/12/2009			3/12/2009			3/12/2009			3/12/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	UJ		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.47			0.46			0.48			0.48			0.49			0.49		
1,1,2,2-Tetrachloroethane-d2	0.43			0.42			0.44			0.43			0.42			0.43		

Percent Solids

Val - Validity. Refer to Data Qualifiers in Table 1B.
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ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N92 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	55			56			Method Blank			Method Blank			Method Blank					
Sample ID :	Y4NB0			Y4NB1			VBLKJ5			VBLKK5			VHBLKK5			CRQL		
Collection Date :	3/13/2009			3/13/2009														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050		
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050		
1,2-Dichloroethane-d4	0.48			0.49			0.46			0.50			0.49			NA		
1,1,2,2-Tetrachloroethane-d2	0.46			0.46			0.43			0.45			0.43			NA		

Percent Solids

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

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ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4N92

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	38			39			40			41			43			44		
Sample ID :	Y4N93			Y4N94			Y4N95			Y4N96			Y4N98			Y4N99		
Collection Date :	3/10/2009			3/10/2009			3/10/2009			3/10/2009			3/11/2009			3/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.4			2.0U	U		2.9			1.1J	J		32			33		

Percent Solids

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ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N92 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	45			46			47			49			50			51		
Sample ID :	Y4NA0			Y4NA1			Y4NA2			Y4NA4			Y4NA5			Y4NA6		
Collection Date :	3/11/2009			3/11/2009			3/11/2009			3/12/2009			3/12/2009			3/12/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.0U	U		9.0			11			18			4.1	J		2.0U	U	

Percent Solids

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

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ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4N92 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	52			54			55			56			Method Blank			Method Blank		
Sample ID :	Y4NA7			Y4NA9			Y4NB0			Y4NB1			SBLK4K			SBLK4L		
Collection Date :	3/12/2009			3/12/2009			3/13/2009			3/13/2009								
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	1.6J	J		12			3.8			3.8			2.0U	U		2.0U	U	

Percent Solids

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

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N/A - Not Applicable

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D1, D2, etc. - Field Duplicate Pairs

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ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4N92
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	Method Blank			CRQL														
Sample ID :	SBLK4M																	
Collection Date :																		
Dilution Factor :	1.0																	
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.0U	U		2.0														

Percent Solids

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
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D1, D2, etc. - Field Duplicate Pairs
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ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4NB2
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	57			58			59			60			61			62		
Sample ID :	Y4NB2			Y4NB3			Y4NB4			Y4NB5			Y4NB6			Y4NB7		
Collection Date :	3/13/2009			3/13/2009			3/13/2009			3/13/2009			3/13/2009			3/13/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	UJ		0.50U	R		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	UJ		0.50U	R		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	UJ		0.50U	R		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	UJ		0.50U	R		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		17			15			0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		7.9	J		7.7	J		0.50U	U		15	J		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		35E			33E			0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	UJ		0.50U	R		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.87			0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		1.8	J		1.8	J		0.50U	U		4.3	J		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.52			0.52			0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		57E			55E			0.50U	U		12			0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4NB2 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	57			58			59			60			61			62		
Sample ID :	Y4NB2			Y4NB3			Y4NB4			Y4NB5			Y4NB6			Y4NB7		
Collection Date :	3/13/2009			3/13/2009			3/13/2009			3/13/2009			3/13/2009			3/13/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		48E			44E			0.50U	U		6.2			0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ	
Vinyl chloride-d3	3.7			3.7			3.7			3.7			3.9			4.0		

ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	57			58			59			60			61			62		
Sample ID :	Y4NB2			Y4NB3			Y4NB4			Y4NB5			Y4NB6			Y4NB7		
Collection Date :	3/13/2009			3/13/2009			3/13/2009			3/13/2009			3/13/2009			3/13/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	3.2			0.88			3.4			4.6			3.8			4.4		
1,1-Dichloroethene-d2	3.2			6.6			6.5			3.9			9.8			3.3		
2-Butanone-d5	41			40			43			50			43			44		
Chloroform-d	4.9			5.0			5.1			5.7			4.9			5.1		
1,2-Dichloroethane-d4	5.0			5.2			5.2			6.1			5.2			5.2		
Benzene-d6	5.1			5.1			5.0			5.3			5.1			4.9		
1,2-Dichloropropane-d6	5.1			5.0			5.3			5.1			5.3			5.0		
Toluene-d8	5.0			4.9			5.1			5.1			4.9			4.5		
trans-1,3-Dichloropropene-d4	5.2			5.6			5.5			6.3			5.2			5.3		
2-Hexanone-d5	40			41			40			40			43			46		
1,1,2,2-Tetrachloroethane-d2	3.5			3.7			4.2			4.0			4.0			3.9		
1,2-Dichlorobenzene-d4	4.5			4.9			4.3			4.5			4.4			5.0		

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	63			64			65			66			67			68		
Sample ID :	Y4NB8			Y4NB9			Y4NC0			Y4NC1			Y4NC2			Y4NC3		
Collection Date :	3/13/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		1.4			2.4			0.66		
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		1.1			1.4			1.6		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		2.5			6.6			3.4		
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50BJ	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.23J	J		0.68		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.21J	J		0.88		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		0.50U	U		0.38J	J		0.33J	J		22E			19		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	63			64			65			66			67			68		
Sample ID :	Y4NB8			Y4NB9			Y4NC0			Y4NC1			Y4NC2			Y4NC3		
Collection Date :	3/13/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.21J	J		1.2			4.7			13		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	U	
Vinyl chloride-d3	3.9			4.0			4.0			3.8			3.9			4.3		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4NB2 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	63			64			65			66			67			68		
Sample ID :	Y4NB8			Y4NB9			Y4NC0			Y4NC1			Y4NC2			Y4NC3		
Collection Date :	3/13/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.4			3.9			3.9			4.6			4.7			4.5		
1,1-Dichloroethene-d2	3.3			3.2			3.3			3.8			3.8			3.3		
2-Butanone-d5	45			48			46			46			47			37		
Chloroform-d	5.1			5.3			5.3			5.1			5.2			4.4		
1,2-Dichloroethane-d4	5.3			5.4			5.2			5.0			5.4			4.4		
Benzene-d6	4.9			5.1			5.2			5.1			5.1			4.9		
1,2-Dichloropropane-d6	5.1			5.1			5.3			5.4			5.4			5.0		
Toluene-d8	4.9			4.9			5.0			4.9			5.0			4.8		
trans-1,3-Dichloropropene-d4	5.8			5.7			6.0			5.9			5.9			4.8		
2-Hexanone-d5	51			43			40			54			45			43		
1,1,2,2-Tetrachloroethane-d2	4.1			3.7			3.5			4.2			3.9			4.5		
1,2-Dichlorobenzene-d4	4.2			4.9			4.1			4.5			4.4			5.2		

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	69			70			71			72								
Sample ID :	Y4NC4			Y4NC5			Y4NC6			Y4NC7			Y4NB3DL			Y4NB4DL		
Collection Date :	3/16/2009			3/16/2009			3/16/2009			3/16/2009								
Dilution Factor :	1.0			1.0			1.0			1.0			5.0			5.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Trichlorofluoromethane	31E			30E			64E			0.50U	U		20D			22D		
1,1-Dichloroethene	59E	J		56E	J		150E	J		0.50U	U		9.8D			11D		
1,1,2-Trichloro-1,2,2-trifluoro	79E			78E			170E			0.50U	U		39D			45D		
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		25U	U		25U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.63	J		0.50U	U		2.5U	U		2.5U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,1-Dichloroethane	0.32J	J		0.29J	J		1.1	J		0.50U	U		2.5U	U		2.5U	U	
cis-1,2-Dichloroethene	2.1	J		1.8	J		9.0	J		0.50U	U		2.0DJ	J		2.4DJ	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		25U	U		25U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Chloroform	14			14	J		48E	J		0.50U	U		2.5U	U		2.5U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Trichloroethene	92E			83E			260E			0.50U	U		57D			61D		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	69			70			71			72								
Sample ID :	Y4NC4			Y4NC5			Y4NC6			Y4NC7			Y4NB3DL			Y4NB4DL		
Collection Date :	3/16/2009			3/16/2009			3/16/2009			3/16/2009								
Dilution Factor :	1.0			1.0			1.0			1.0			5.0			5.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		25U	U		25U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Tetrachloroethene	130E			120E			840E			0.34J	J		40D			44D		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		25U	U		25U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	UJ		2.5U	UJ	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.5U	U		2.5U	U	
1,2,3-Trichlorobenzene	0.50U	UJ		0.50U	UJ		0.50U	UJ		0.50U	UJ		2.5U	U		2.5U	U	
Vinyl chloride-d3	3.9			4.0			4.1			3.8			3.7			3.9		

ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	69			70			71			72								
Sample ID :	Y4NC4			Y4NC5			Y4NC6			Y4NC7			Y4NB3DL			Y4NB4DL		
Collection Date :	3/16/2009			3/16/2009			3/16/2009			3/16/2009								
Dilution Factor :	1.0			1.0			1.0			1.0			5.0			5.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.6			4.9			3.8			4.7			3.7			4.7		
1,1-Dichloroethene-d2	26			25			60			3.5			4.3			4.5		
2-Butanone-d5	48			50			48			44			46			48		
Chloroform-d	6.0			6.2			7.8			5.4			5.3			5.6		
1,2-Dichloroethane-d4	5.6			6.0			5.7			5.4			5.7			5.5		
Benzene-d6	5.0			5.0			5.8			5.0			5.1			5.2		
1,2-Dichloropropane-d6	5.5			5.1			6.1			4.8			5.0			5.0		
Toluene-d8	5.0			4.8			5.8			4.8			4.8			5.1		
trans-1,3-Dichloropropene-d4	5.6			5.9			7.2			5.4			5.5			5.7		
2-Hexanone-d5	45			48			35			45			43			48		
1,1,2,2-Tetrachloroethane-d2	3.7			4.1			4.3			3.8			3.6			3.7		
1,2-Dichlorobenzene-d4	4.1			4.5			4.7			4.7			4.5			4.4		

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 Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																	
Sample ID :	Y4NC2DL			Y4NC4DL			Y4NC5DL			Y4NC6DL			Y4NC6MS			Y4NC6MSD		
Collection Date :																		
Dilution Factor :	2.5			8.0			10.0			40.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Chloromethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Vinyl chloride	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Bromomethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Chloroethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	2.3D			14D			22D			110D			74E			82E		
1,1-Dichloroethene	1.9D			43D			53D			280D			170E	J		190E	J	
1,1,2-Trichloro-1,2,2-trifluoro	7.1D			30D			63D			280D			210E			240E		
Acetone	13U	U		40U	U		50U	U		200U	U		5.0U	U		5.0U	U	
Carbon disulfide	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Methyl acetate	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Methylene chloride	1.3DBJ	U		4.0DB	U		5.0DB	U		20DB	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.83	J		0.85	J	
Methyl tert-butyl ether	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	1.3U	U		4.0U	U		5.0U	U		20U	U		1.2	J		1.2	J	
cis-1,2-Dichloroethene	0.39DJ	J		2.2DJ	J		2.3DJ	J		19DJ	J		11	J		11	J	
2-Butanone	13U	U		40U	U		50U	U		200U	U		5.0U	U		5.0U	U	
Bromochloromethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Chloroform	0.31DJ	J		15D			14D			91D			55E	J		58E	J	
1,1,1-Trichloroethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Cyclohexane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Benzene	1.3U	U		4.0U	U		5.0U	U		20U	U		6.0			6.1		
1,2-Dichloroethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Trichloroethene	28D			70D			72D			310D			290E	J		330E	J	
Methylcyclohexane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4NB2
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4NC2DL			Y4NC4DL			Y4NC5DL			Y4NC6DL			Y4NC6MS			Y4NC6MSD		
Collection Date :																		
Dilution Factor :	2.5			8.0			10.0			40.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Bromodichloromethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
4-Methyl-2-pentanone	13U	U		40U	U		50U	U		200U	U		5.0U	U		5.0U	U	
Toluene	1.3U	U		4.0U	U		5.0U	U		20U	U		5.7			6.0		
trans-1,3-Dichloropropene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Tetrachloroethene	6.3D			74D			84D			680D			940E			1100E		
2-Hexanone	13U	U		40U	U		50U	U		200U	U		5.0U	U		5.0U	U	
Dibromochloromethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Chlorobenzene	1.3U	U		4.0U	U		5.0U	U		20U	U		4.9			5.3		
Ethylbenzene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
o-Xylene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
m,p-Xylene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Styrene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Bromoform	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
Isopropylbenzene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	1.3U	U		4.0U	U		5.0U	U		20U	U		0.50U	UJ		0.50U	UJ	
Vinyl chloride-d3	4.7			4.9			4.2			4.9			3.8			3.9		

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4NC2DL			Y4NC4DL			Y4NC5DL			Y4NC6DL			Y4NC6MS			Y4NC6MSD		
Collection Date :																		
Dilution Factor :	2.5			8.0			10.0			40.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.6			4.9			4.3			5.2			4.3			4.8		
1,1-Dichloroethene-d2	3.0			5.2			4.9			5.9			71			77		
2-Butanone-d5	34			38			33			38			43			49		
Chloroform-d	4.5			4.8			4.3			4.9			7.9			8.3		
1,2-Dichloroethane-d4	4.5			4.6			4.2			4.8			5.6			5.6		
Benzene-d6	4.9			5.2			4.6			5.2			5.7			6.1		
1,2-Dichloropropane-d6	5.0			5.3			4.8			5.3			5.6			6.2		
Toluene-d8	4.8			5.1			4.5			5.1			5.6			6.0		
trans-1,3-Dichloropropene-d	4.7			4.6			4.3			4.7			6.8			7.2		
2-Hexanone-d5	39			42			39			46			38			34		
1,1,2,2-Tetrachloroethane-d2	4.4			4.7			4.3			4.9			4.1			4.3		
1,2-Dichlorobenzene-d4	5.2			5.7			5.0			5.8			4.8			4.6		

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. : 38274 SDG No. : Y4NB2
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	VBLKN6			VBLKS6			VBLKV5			VBLKW5			VHBLKS6			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methylene chloride	0.32J	J		0.20J	J		0.50U	U		0.50U	U		0.88B			0.50		
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Trichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4NB2
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	VBLKN6			VBLKS6			VBLKV5			VBLKW5			VHBLKS6			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
4-Methyl-2-pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50		
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50		
Vinyl chloride-d3	4.5			5.0			4.9			4.4			4.6			NA		

ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4NB2
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	VBLKN6			VBLKS6			VBLKV5			VBLKW5			VHBLKS6			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.6			5.2			5.3			4.1			5.0			NA		
1,1-Dichloroethene-d2	2.9			2.9			3.1			3.4			2.9			NA		
2-Butanone-d5	39			37			40			43			41			NA		
Chloroform-d	4.7			4.8			5.4			5.6			4.8			NA		
1,2-Dichloroethane-d4	4.7			4.8			5.5			5.7			4.8			NA		
Benzene-d6	5.0			5.3			5.6			5.1			5.2			NA		
1,2-Dichloropropane-d6	5.0			5.3			5.8			5.2			5.3			NA		
Toluene-d8	5.0			5.2			5.5			5.1			5.0			NA		
trans-1,3-Dichloropropene-d4	4.8			4.6			6.0			5.7			4.6			NA		
2-Hexanone-d5	43			41			40			41			44			NA		
1,1,2,2-Tetrachloroethane-d2	4.7			4.7			3.8			3.8			4.9			NA		
1,2-Dichlorobenzene-d4	5.5			5.8			4.7			4.9			5.8			NA		

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 Page ____ of ____

Case No. : 38274 SDG No. : Y4NB2 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	57			58			59			60			61					
Sample ID :	Y4NB2			Y4NB3			Y4NB4			Y4NB5			Y4NB6			Y4NB7		
Collection Date :	3/13/2009			3/13/2009			3/13/2009			3/13/2009			3/13/2009					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.39			0.45			0.48			0.43			0.55			0.63		
1,1,2,2-Tetrachloroethane-d2	0.40			0.46			0.48			0.48			0.55			0.62		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

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ANALYTICAL RESULTS

Table 1A

Case No. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	63			64			65			66			67			68		
Sample ID :	Y4NB8			Y4NB9			Y4NC0			Y4NC1			Y4NC2			Y4NC3		
Collection Date :	3/13/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.55			0.54			0.60			0.58			0.55			0.64		
1,1,2,2-Tetrachloroethane-d2	0.55			0.54			0.60			0.57			0.54			0.62		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

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ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4NB2 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Volatiles SIM

Station Location :	69			70			71						Method Blank			Method Blank		
Sample ID :	Y4NC4			Y4NC5			Y4NC6			Y4NC7			VBLK6J			VBLKJ6		
Collection Date :	3/16/2009			3/16/2009			3/16/2009											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U		0.050U	U	
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R		0.050U	R	
1,2-Dichloroethane-d4	0.53			0.56			0.54			0.55			0.50			0.45		
1,1,2,2-Tetrachloroethane-d2	0.49			0.52			0.57			0.57			0.50			0.45		

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,

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ANALYTICAL RESULTS
Table 1A

Case No. : 38274 SDG No. : Y4NB2
Site : OMEGA CHEMICAL CORPORATION
Lab : MITKEM LABORATORIES
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Volatiles SIM

Station Location :	Method Blank			Method Blank			CRQL											
Sample ID :	VBLKM6			VHBLKM6														
Collection Date :																		
Dilution Factor :	1.0			1.0														
Volatiles SIM	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dibromoethane	0.050U	U		0.050U	U		0.050											
1,2-Dibromo-3-chloropropan	0.050U	R		0.050U	R		0.050											
1,2-Dichloroethane-d4	0.48			0.55			NA											
1,1,2,2-Tetrachloroethane-d2	0.48			0.55			NA											

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

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38274 SDG No. : Y4NB2 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	57			58			59			60			61			63		
Sample ID :	Y4NB2			Y4NB3			Y4NB4			Y4NB5			Y4NB6			Y4NB8		
Collection Date :	3/13/2009			3/13/2009			3/13/2009			3/13/2009			3/13/2009			3/13/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.0U	U		2.1			2.3			2.0U	U		2.1			2.0U	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 Page ____ of ____

Case No. : 38274 SDG No. : Y4NB2 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	64			65			66			67			68			69		
Sample ID :	Y4NB9			Y4NC0			Y4NC1			Y4NC2			Y4NC3			Y4NC4		
Collection Date :	3/16/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009			3/16/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.0U	U		2.0U	U		2.0U	U		2.0U	U		2.0U	U		7.1		

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. : 38274 SDG No. : Y4NB2

Site : OMEGA CHEMICAL CORPORATION

Lab : MITKEM LABORATORIES

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	70			71			Method Blank			Method Blank								
Sample ID :	Y4NC5			Y4NC6			SBLK4M			SBLK4N			CRQL					
Collection Date :	3/16/2009			3/16/2009														
Dilution Factor :	1.0			1.0			1.0			1.0								
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	7.4			42			2.0U	U		2.0U	U		2.0					

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 Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	1			2			3			4			5			6		
Sample ID :	Y4ZA6			Y4ZA7			Y4ZA8			Y4ZA9			Y4ZB0			Y4ZB1		
Collection Date :	9/1/2009			9/1/2009			9/1/2009			9/1/2009			9/2/2009			9/2/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	1.2			0.17J	J		0.50U	U		0.50U	U		0.50U	U		0.15J	J	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.46J	J		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.77			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.11J	J		0.22J	J		0.18J	J		0.50U	U		0.50U	U		0.27J	J	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	1			2			3			4			5			6		
Sample ID :	Y4ZA6			Y4ZA7			Y4ZA8			Y4ZA9			Y4ZB0			Y4ZB1		
Collection Date :	9/1/2009			9/1/2009			9/1/2009			9/1/2009			9/2/2009			9/2/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.70			12			8.8			0.50U	U		0.50U	U		0.79		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.6			4.7			4.8			4.7			4.6			5.0		

ANALYTICAL RESULTS

Table 1A

Case No. : 38845 SDG No. : Y4ZA6

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	1			2			3			4			5			6		
Sample ID :	Y4ZA6			Y4ZA7			Y4ZA8			Y4ZA9			Y4ZB0			Y4ZB1		
Collection Date :	9/1/2009			9/1/2009			9/1/2009			9/1/2009			9/2/2009			9/2/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			5.0			5.0			4.9			4.9			5.4		
1,1-Dichloroethene-d2	3.9			3.8			3.9			3.8			3.8			3.9		
2-Butanone-d5	37			38			36			36			41			43		
Chloroform-d	4.9			4.7			4.7			4.7			4.7			4.9		
1,2-Dichloroethane-d4	4.5			4.3			4.3			4.3			4.4			4.7		
Benzene-d6	5.0			5.1			5.1			5.1			5.0			5.2		
1,2-Dichloropropane-d6	4.6			4.6			4.7			4.7			4.7			4.8		
Toluene-d8	4.9			5.0			5.1			5.0			5.0			5.1		
trans-1,3-Dichloropropene-d	4.5			4.6			4.5			4.6			4.8			4.9		
2-Hexanone-d5	41			40			40			41			45			46		
1,1,2,2-Tetrachloroethane-d2	5.1			4.9			4.9			4.6			5.1			5.3		
1,2-Dichlorobenzene-d4	4.7			4.7			4.8			4.8			4.8			4.7		

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 Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	7			8			9			10			11					
Sample ID :	Y4ZB2			Y4ZB3			Y4ZB4			Y4ZB5			Y4ZB6			Y4ZB7		
Collection Date :	9/2/2009			9/2/2009			9/2/2009			9/2/2009			9/2/2009			9/3/2009		
Dilution Factor :	1.0			1.0			1.0			2.0			5.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.91			0.18J	J		60E			78			9.0		
1,1-Dichloroethene	0.50U	U		1.4			0.50U	U		120E			230E			6.7	J	
1,1,2-Trichloro-1,2,2-trifluoro	0.51			2.6			0.52			150E			200E			24E		
Acetone	5.0U	U		5.0U	U		5.0U	U		71			100			14		
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.46J	J		1.4J	J		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.48J	J		0.77J	J		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.67J	J		1.8J	J		0.50U	U	
cis-1,2-Dichloroethene	0.21J	J		0.41J	J		0.50U	U		8.3			15			1.3	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		10U	U		25U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Chloroform	0.39J	J		0.56			0.50U	U		26			74			0.93		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.13J	J		0.50U	U		1.0U	U		2.5U	U		0.24J	J	
Benzene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Trichloroethene	0.95			24E			1.7			190E			260E			110E		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	7			8			9			10			11					
Sample ID :	Y4ZB2			Y4ZB3			Y4ZB4			Y4ZB5			Y4ZB6			Y4ZB7		
Collection Date :	9/2/2009			9/2/2009			9/2/2009			9/2/2009			9/2/2009			9/3/2009		
Dilution Factor :	1.0			1.0			1.0			2.0			5.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		10U	U		25U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Tetrachloroethene	7.3			75E			0.69			200E			470E			20E		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		10U	U		25U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		1.0U	U		2.5U	U		0.50U	U	
Vinyl chloride-d3	5.0			4.7			5.2			4.5			4.4			5.0		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	7			8			9			10			11					
Sample ID :	Y4ZB2			Y4ZB3			Y4ZB4			Y4ZB5			Y4ZB6			Y4ZB7		
Collection Date :	9/2/2009			9/2/2009			9/2/2009			9/2/2009			9/2/2009			9/3/2009		
Dilution Factor :	1.0			1.0			1.0			2.0			5.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.3			5.0			5.4			4.8			4.7			5.6		
1,1-Dichloroethene-d2	4.1			4.0			4.1			17			14			5.3		
2-Butanone-d5	42			38			46			41			42			48		
Chloroform-d	4.9			4.7			5.1			5.2			5.4			5.3		
1,2-Dichloroethane-d4	4.7			4.3			4.7			4.4			4.7			5.2		
Benzene-d6	5.3			5.1			5.3			4.9			5.5			5.2		
1,2-Dichloropropane-d6	4.8			4.6			4.8			4.6			5.2			4.8		
Toluene-d8	5.1			4.9			5.1			4.8			5.0			5.1		
trans-1,3-Dichloropropene-d4	4.9			4.5			5.0			4.7			5.1			5.4		
2-Hexanone-d5	45			39			44			46			44			49		
1,1,2,2-Tetrachloroethane-d2	5.3			5.0			5.2			5.4			5.3			5.7		
1,2-Dichlorobenzene-d4	4.7			4.7			4.6			4.7			5.1			4.7		

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. : 38845 SDG No. : Y4ZA6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZB8			Y4ZB9			Y4ZC0			Y4ZC1			Y4ZC2			Y4ZC3		
Collection Date :	9/3/2009			9/3/2009			9/3/2009			9/3/2009			9/3/2009			9/3/2009		
Dilution Factor :	1.0			5.0			1.0			5.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.90J	J		0.50U	U		2.5U	U		0.50U	U		0.15J	J	
Chloromethane	0.12J	J		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	8.0			180E			0.91			140E			1.1			0.10J	J	
1,1-Dichloroethene	6.1			430E			2.3			360E			0.78			1.1		
1,1,2-Trichloro-1,2,2-trifluoro	22E			410E			3.7			340E			2.0			0.54		
Acetone	13			220			5.0U	U		170			5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		1.3J	J		0.50U	U		1.3J	J		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		2.3J	J		0.50U	U		1.9J	J		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		2.1J	J		0.50U	U		1.8J	J		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	1.1			11			0.95			12			0.44J	J		3.1		
2-Butanone	5.0U	U		25U	U		5.0U	U		25U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Chloroform	0.81			92			1.2			76			0.86			0.75		
1,1,1-Trichloroethane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.23J	J		2.5U	U		0.50U	U		2.5U	U		0.18J	J		0.50U	U	
Benzene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		8.8			0.50U	U		8.1			0.50U	U		0.50U	U	
Trichloroethene	92E			290E			23E			250E			67E			8.1		
Methylcyclohexane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :																		
Sample ID :	Y4ZB8			Y4ZB9			Y4ZC0			Y4ZC1			Y4ZC2			Y4ZC3		
Collection Date :	9/3/2009			9/3/2009			9/3/2009			9/3/2009			9/3/2009			9/3/2009		
Dilution Factor :	1.0			5.0			1.0			5.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		25U	U		5.0U	U		25U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Tetrachloroethene	18			520E			21E			470E			4.6			51E		
2-Hexanone	5.0U	U		25U	U		5.0U	U		25U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		2.5U	U		0.50U	U		2.5U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.7			5.0			4.6			5.0			4.3			4.5		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZB8			Y4ZB9			Y4ZC0			Y4ZC1			Y4ZC2			Y4ZC3		
Collection Date :	9/3/2009			9/3/2009			9/3/2009			9/3/2009			9/3/2009			9/3/2009		
Dilution Factor :	1.0			5.0			1.0			5.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.9			5.3			4.7			5.3			4.8			4.9		
1,1-Dichloroethene-d2	5.2			24			4.2			21			3.9			4.0		
2-Butanone-d5	44			42			37			44			43			43		
Chloroform-d	5.1			5.8			4.7			5.7			4.9			4.9		
1,2-Dichloroethane-d4	5.0			4.9			4.3			5.0			4.7			4.6		
Benzene-d6	5.0			5.1			5.0			5.1			5.5			5.1		
1,2-Dichloropropane-d6	4.7			4.6			4.6			4.7			5.2			4.7		
Toluene-d8	5.0			5.1			4.9			5.1			5.0			5.0		
trans-1,3-Dichloropropene-d4	5.2			5.1			4.5			5.1			5.1			4.9		
2-Hexanone-d5	48			43			40			44			47			41		
1,1,2,2-Tetrachloroethane-d2	5.4			5.2			5.0			5.4			5.4			5.2		
1,2-Dichlorobenzene-d4	4.8			4.7			4.7			4.7			4.6			4.7		

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 Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :																		
Sample ID :	Y4ZC4			Y4ZC5			Y4ZB3MS			Y4ZB3MSD			Method Blank VBLKT1			Method Blank VBLKT2		
Collection Date :	9/3/2009			9/3/2009														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.13J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	3.1			0.50U	U		0.92			0.89			0.50U	U		0.50U	U	
1,1-Dichloroethene	8.2	J		0.50U	U		6.2			6.2			0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	11			0.50U	U		2.7			2.6			0.50U	U		0.50U	U	
Acetone	5.9			5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	1.4	J		0.50U	U		0.41J	J		0.42J	J		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	2.6			0.50U	U		0.56			0.57			0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.13J	J		0.13J	J		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		4.8			4.9			0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	33E			0.50U	U		28E			29E			0.50U	U		0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :																		
Sample ID :	Y4ZC4			Y4ZC5			Y4ZB3MS			Y4ZB3MSD			Method Blank VBLKT1			Method Blank VBLKT2		
Collection Date :	9/3/2009			9/3/2009														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.23J	J		4.6			4.7			0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	48E			0.50J	U		74E			77E			0.50U	U		0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		4.7			4.8			0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.8			5.0			4.7			4.7			4.5			4.6		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZC4			Y4ZC5			Y4ZB3MS			Y4ZB3MSD			Method Blank VBLKT1			Method Blank VBLKT2		
Collection Date :	9/3/2009			9/3/2009														
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			5.4			5.1			5.1			4.9			4.9		
1,1-Dichloroethene-d2	5.6			4.2			5.2			5.2			3.8			3.8		
2-Butanone-d5	35			47			38			37			57			59		
Chloroform-d	4.7			5.4			4.6			4.6			4.7			4.7		
1,2-Dichloroethane-d4	4.2			4.9			4.2			4.2			4.4			4.3		
Benzene-d6	5.1			5.1			5.1			5.1			4.9			5.0		
1,2-Dichloropropane-d6	4.6			4.7			4.6			4.7			4.5			4.6		
Toluene-d8	5.0			5.0			5.0			5.0			4.9			5.0		
trans-1,3-Dichloropropene-d4	4.4			4.9			4.6			4.5			4.5			4.5		
2-Hexanone-d5	39			45			41			40			63			59		
1,1,2,2-Tetrachloroethane-d2	4.9			5.0			4.9			4.9			4.4			4.3		
1,2-Dichlorobenzene-d4	4.7			4.7			4.9			4.6			4.8			4.8		

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 Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	Method Blank			Method Blank														
Sample ID :	VBLKT3			VHBLKT1			CRQL			Y4ZB3DL			Y4ZB5DL			Y4ZB6DL		
Collection Date :																		
Dilution Factor :	1.0			1.0						5.0			40.0			50.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Chloromethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Bromomethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Chloroethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50			0.86JD	J		64D			86D		
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50			2.5U	U		130D			260D		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50			2.6D			160D			230D		
Acetone	5.0U	U		5.0U	U		5.0			25U	U		200U	U		250U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50			2.5U	U		8.2JD	J		16JD	J	
2-Butanone	5.0U	U		5.0U	U		5.0			25U	U		200U	U		250U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Chloroform	0.50U	U		0.50U	U		0.50			2.5U	U		31D			86D		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Benzene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Trichloroethene	0.50U	U		0.50U	U		0.50			23D			220D			270D		
Methylcyclohexane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZA6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			CRQL			Y4ZB3DL			Y4ZB5DL			Y4ZB6DL		
Sample ID :	VBLKT3			VHBLKT1														
Collection Date :																		
Dilution Factor :	1.0			1.0						5.0			40.0			50.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0			25U	U		200U	U		250U	U	
Toluene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Tetrachloroethene	0.50U	U		0.17J	J		0.50			69D			230D			580D		
2-Hexanone	5.0U	U		5.0U	U		5.0			25U	U		200U	U		250U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
o-Xylene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Styrene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Bromoform	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50			2.5U	U		20U	U		25U	U	
Vinyl chloride-d3	4.9			5.1			NA			4.8			4.6			4.6		

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZA6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			CRQL			Y4ZB3DL			Y4ZB5DL			Y4ZB6DL		
Sample ID :	VBLKT3			VHBLKT1														
Collection Date :																		
Dilution Factor :	1.0			1.0						5.0			40.0			50.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.4			5.1			NA			5.2			5.0			4.7		
1,1-Dichloroethene-d2	4.2			4.0			NA			3.9			4.5			4.7		
2-Butanone-d5	58			61			NA			35			39			42		
Chloroform-d	5.3			5.1			NA			4.6			4.7			4.8		
1,2-Dichloroethane-d4	4.9			4.8			NA			4.3			4.3			4.6		
Benzene-d6	5.1			5.3			NA			5.1			5.0			4.8		
1,2-Dichloropropane-d6	4.7			4.8			NA			4.6			4.6			4.5		
Toluene-d8	5.0			5.1			NA			5.0			5.0			4.8		
trans-1,3-Dichloropropene-d	4.9			5.1			NA			4.6			4.7			4.8		
2-Hexanone-d5	52			58			NA			37			41			46		
1,1,2,2-Tetrachloroethane-d2	4.7			4.8			NA			4.7			4.8			5.3		
1,2-Dichlorobenzene-d4	4.9			4.7			NA			4.8			4.8			4.6		

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. : 38845 SDG No. : Y4ZA6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZB7DL			Y4ZB8DL			Y4ZB9DL			Y4ZC0DL			Y4ZC1DL			Y4ZC2DL		
Collection Date :																		
Dilution Factor :	10.0			10.0			50.0			2.0			50.0			5.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Chloromethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Vinyl chloride	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Bromomethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Chloroethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Trichlorofluoromethane	6.9D			7.2D			160D			0.81JD	J		150D			0.99JD	J	
1,1-Dichloroethene	6.4D			6.6D			440D			2.2D			390D			2.5U	U	
1,1,2-Trichloro-1,2,2-trifluoro	20D			22D			420D			3.2D			380D			2.1JD	J	
Acetone	50U	U		50U	U		250D			10U	U		250U	U		25U	U	
Carbon disulfide	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Methyl acetate	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Methylene chloride	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
trans-1,2-Dichloroethene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Methyl tert-butyl ether	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,1-Dichloroethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
cis-1,2-Dichloroethene	1.1JD	J		1.1JD	J		10JD	J		0.91JD	J		12JD	J		2.5U	U	
2-Butanone	50U	U		50U	U		250U	U		10U	U		250U	U		25U	U	
Bromochloromethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Chloroform	5.0U	U		5.0U	U		89D			1.2D			83D			2.5U	U	
1,1,1-Trichloroethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Cyclohexane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Carbon tetrachloride	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Benzene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,2-Dichloroethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Trichloroethene	91D			95D			300D			21D			290D			56D		
Methylcyclohexane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :																		
Sample ID :	Y4ZB7DL			Y4ZB8DL			Y4ZB9DL			Y4ZC0DL			Y4ZC1DL			Y4ZC2DL		
Collection Date :																		
Dilution Factor :	10.0			10.0			50.0			2.0			50.0			5.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Bromodichloromethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
cis-1,3-Dichloropropene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
4-Methyl-2-Pentanone	50U	U		50U	U		250U	U		10U	U		250U	U		25U	U	
Toluene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
trans-1,3-Dichloropropene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,1,2-Trichloroethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Tetrachloroethene	18D			18D			580D			19D			580D			4.2D		
2-Hexanone	50U	U		50U	U		250U	U		10U	U		250U	U		25U	U	
Dibromochloromethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,2-Dibromoethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Chlorobenzene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Ethylbenzene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
o-Xylene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
m,p-Xylene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Styrene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Bromoform	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Isopropylbenzene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,1,2,2-Tetrachloroethane	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,3-Dichlorobenzene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,4-Dichlorobenzene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,2-Dichlorobenzene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,2-Dibromo-3-chloropropan	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,2,4-Trichlorobenzene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
1,2,3-Trichlorobenzene	5.0U	U		5.0U	U		25U	U		1.0U	U		25U	U		2.5U	U	
Vinyl chloride-d3	4.7			4.6			4.7			4.5			4.6			5.1		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZB7DL			Y4ZB8DL			Y4ZB9DL			Y4ZC0DL			Y4ZC1DL			Y4ZC2DL		
Collection Date :																		
Dilution Factor :	10.0			10.0			50.0			2.0			50.0			5.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			4.8			4.8			4.9			4.8			5.3		
1,1-Dichloroethene-d2	3.9			3.9			5.7			3.9			5.5			4.1		
2-Butanone-d5	39			41			41			40			42			43		
Chloroform-d	4.7			4.7			4.7			4.7			4.8			5.0		
1,2-Dichloroethane-d4	4.4			4.4			4.4			4.4			4.4			4.7		
Benzene-d6	5.1			5.1			5.1			5.0			5.1			5.2		
1,2-Dichloropropane-d6	4.6			4.7			4.7			4.6			4.6			4.6		
Toluene-d8	4.9			5.0			5.0			5.0			5.0			5.0		
trans-1,3-Dichloropropene-d4	4.6			4.7			4.7			4.7			4.7			4.9		
2-Hexanone-d5	44			44			44			44			44			45		
1,1,2,2-Tetrachloroethane-d2	5.0			5.1			5.0			5.2			5.0			5.1		
1,2-Dichlorobenzene-d4	4.9			4.7			4.7			4.7			4.8			4.7		

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 Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :																			
Sample ID :	Y4ZC3DL			Y4ZC4DL															
Collection Date :																			
Dilution Factor :	5.0			5.0															
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	2.5U	U		2.5U	U													
Chloromethane	2.5U	U		2.5U	U													
Vinyl chloride	2.5U	U		2.5U	U													
Bromomethane	2.5U	U		2.5U	U													
Chloroethane	2.5U	U		2.5U	U													
Trichlorofluoromethane	2.5U	U		3.1D														
1,1-Dichloroethene	2.5U	U		8.4D														
1,1,2-Trichloro-1,2,2-trifluoro	0.78JD	J		9.9D														
Acetone	25U	U		25U	U													
Carbon disulfide	2.5U	U		2.5U	U													
Methyl acetate	2.5U	U		2.5U	U													
Methylene chloride	2.5U	U		2.5U	U													
trans-1,2-Dichloroethene	2.5U	U		2.5U	U													
Methyl tert-butyl ether	2.5U	U		2.5U	U													
1,1-Dichloroethane	2.5U	U		2.5U	U													
cis-1,2-Dichloroethene	3.3D			1.4JD	J													
2-Butanone	25U	U		25U	U													
Bromochloromethane	2.5U	U		2.5U	U													
Chloroform	1.3JD	J		3.1D														
1,1,1-Trichloroethane	2.5U	U		2.5U	U													
Cyclohexane	2.5U	U		2.5U	U													
Carbon tetrachloride	2.5U	U		2.5U	U													
Benzene	2.5U	U		2.5U	U													
1,2-Dichloroethane	2.5U	U		2.5U	U													
Trichloroethene	8.4D			33D														
Methylcyclohexane	2.5U	U		2.5U	U													

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZC3DL			Y4ZC4DL														
Collection Date :																		
Dilution Factor :	5.0			5.0														
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	2.5U	U		2.5U	U													
Bromodichloromethane	2.5U	U		2.5U	U													
cis-1,3-Dichloropropene	2.5U	U		2.5U	U													
4-Methyl-2-Pentanone	25U	U		25U	U													
Toluene	2.5U	U		2.5U	U													
trans-1,3-Dichloropropene	2.5U	U		2.5U	U													
1,1,2-Trichloroethane	2.5U	U		2.5U	U													
Tetrachloroethene	51D			44D														
2-Hexanone	25U	U		25U	U													
Dibromochloromethane	2.5U	U		2.5U	U													
1,2-Dibromoethane	2.5U	U		2.5U	U													
Chlorobenzene	2.5U	U		2.5U	U													
Ethylbenzene	2.5U	U		2.5U	U													
o-Xylene	2.5U	U		2.5U	U													
m,p-Xylene	2.5U	U		2.5U	U													
Styrene	2.5U	U		2.5U	U													
Bromoform	2.5U	U		2.5U	U													
Isopropylbenzene	2.5U	U		2.5U	U													
1,1,2,2-Tetrachloroethane	2.5U	U		2.5U	U													
1,3-Dichlorobenzene	2.5U	U		2.5U	U													
1,4-Dichlorobenzene	2.5U	U		2.5U	U													
1,2-Dichlorobenzene	2.5U	U		2.5U	U													
1,2-Dibromo-3-chloropropan	2.5U	U		2.5U	U													
1,2,4-Trichlorobenzene	2.5U	U		2.5U	U													
1,2,3-Trichlorobenzene	2.5U	U		2.5U	U													
Vinyl chloride-d3	4.9			4.6														

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZA6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZC3DL			Y4ZC4DL														
Collection Date :																		
Dilution Factor :	5.0			5.0														
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.4			4.8														
1,1-Dichloroethene-d2	4.3			4.1														
2-Butanone-d5	44			51														
Chloroform-d	5.4			4.8														
1,2-Dichloroethane-d4	4.8			4.6														
Benzene-d6	5.2			5.1														
1,2-Dichloropropane-d6	4.7			4.7														
Toluene-d8	5.1			5.1														
trans-1,3-Dichloropropene-d4	5.0			4.8														
2-Hexanone-d5	42			50														
1,1,2,2-Tetrachloroethane-d2	5.0			5.2														
1,2-Dichlorobenzene-d4	4.7			4.7														

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. : 38845 SDG No. : Y4ZA6

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	1			2			3			4			5			6		
Sample ID :	Y4ZA6			Y4ZA7			Y4ZA8			Y4ZA9			Y4ZB0			Y4ZB1		
Collection Date :	9/1/2009			9/1/2009			9/1/2009			9/1/2009			9/2/2009			9/2/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	0.30J	J		2.0U	U		2.0U	U		2.0U	U		2.0U	U		2.0U	UJ	

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

CRQL - Contract Required Quantitation LImit

N/A - Not Applicable

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ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	7			8			9			10			11					
Sample ID :	Y4ZB2			Y4ZB3			Y4ZB4			Y4ZB5			Y4ZB6			Y4ZB7		
Collection Date :	9/2/2009			9/2/2009			9/2/2009			9/2/2009			9/2/2009			9/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	0.39J	J		0.42J	J		2.0U	U		8.1			26			0.39J	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

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NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZA6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :																		
Sample ID :	Y4ZB8			Y4ZB9			Y4ZC0			Y4ZC1			Y4ZC2			Y4ZC3		
Collection Date :	9/3/2009			9/3/2009			9/3/2009			9/3/2009			9/3/2009			9/3/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	0.43J	J		27			1.4J	J		30			1.4J	J		0.52J	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

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NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38845 SDG No. : Y4ZA6

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :																		
Sample ID :	Y4ZC4			Y4ZC5			CRQL											
Collection Date :	9/3/2009			9/3/2009														
Dilution Factor :	1.0			1.0														
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	1.4J	J		2.0U	U		2.0											

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. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	21			22			23			24			25			26		
Sample ID :	Y4ZC6			Y4ZC7			Y4ZC8			Y4ZC9			Y4ZD0			Y4ZD1		
Collection Date :	9/4/2009			9/4/2009			9/4/2009			9/4/2009			9/4/2009			9/4/2009		
Dilution Factor :	2.0			1.0			1.0			4.0			4.0			4.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	1.0U	U		0.11J	J		0.50U	U		0.70J	J		0.68J	J		2.0U	U	
Chloromethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Vinyl chloride	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Bromomethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Chloroethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Trichlorofluoromethane	16			17			17			110E			110E			110E		
1,1-Dichloroethene	27			34E	J		28E	J		210E			220E			220E		
1,1,2-Trichloro-1,2,2-trifluoro	58E			43E			37E			230E			210E			240E		
Acetone	10U	U		5.0U	U		5.0U	UJ		20U	U		20U	U		20U	U	
Carbon disulfide	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Methyl acetate	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Methylene chloride	1.0U	U		0.50U	U		0.50U	U		2.0JB	U		2.0JB	U		0.58J	J	
trans-1,2-Dichloroethene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		0.56J	J	
Methyl tert-butyl ether	1.0U	U		0.41J	J		0.28J	J		0.59J	J		0.58J	J		0.72J	J	
1,1-Dichloroethane	1.0U	U		0.13J	J		0.12J	J		0.84J	J		0.84J	J		0.98J	J	
cis-1,2-Dichloroethene	4.4			0.19J	J		0.26J	J		0.86J	J		0.89J	J		3.6		
2-Butanone	10U	U		5.0U	U		5.0U	UJ		20U	U		20U	U		20U	U	
Bromochloromethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Chloroform	5.5			5.4			2.7			36			37			40		
1,1,1-Trichloroethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Cyclohexane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Carbon tetrachloride	1.0U	U		0.13J	J		0.18J	J		2.0U	U		2.0U	U		2.0U	U	
Benzene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,2-Dichloroethane	1.0U	U		1.9			0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Trichloroethene	170E			12			15			60			60			170E		
Methylcyclohexane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZC6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	21			22			23			24			25			26		
Sample ID :	Y4ZC6			Y4ZC7			Y4ZC8			Y4ZC9			Y4ZD0			Y4ZD1		
Collection Date :	9/4/2009			9/4/2009			9/4/2009			9/4/2009			9/4/2009			9/4/2009		
Dilution Factor :	2.0			1.0			1.0			4.0			4.0			4.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Bromodichloromethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
cis-1,3-Dichloropropene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
4-Methyl-2-Pentanone	10U	U		5.0U	U		5.0U	U		20U	U		20U	U		20U	U	
Toluene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
trans-1,3-Dichloropropene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,1,2-Trichloroethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Tetrachloroethene	66E			91E			48E			250E			240E			290E		
2-Hexanone	10U	U		5.0U	U		5.0U	U		20U	U		20U	U		20U	U	
Dibromochloromethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,2-Dibromoethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Chlorobenzene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Ethylbenzene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
o-Xylene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
m,p-Xylene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Styrene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Bromoform	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Isopropylbenzene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,1,2,2-Tetrachloroethane	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,3-Dichlorobenzene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,4-Dichlorobenzene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,2-Dichlorobenzene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,2-Dibromo-3-chloropropan	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,2,4-Trichlorobenzene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
1,2,3-Trichlorobenzene	1.0U	U		0.50U	U		0.50U	U		2.0U	U		2.0U	U		2.0U	U	
Vinyl chloride-d3	4.9			4.3			4.4			4.2			4.2			4.9		

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	21			22			23			24			25			26		
Sample ID :	Y4ZC6			Y4ZC7			Y4ZC8			Y4ZC9			Y4ZD0			Y4ZD1		
Collection Date :	9/4/2009			9/4/2009			9/4/2009			9/4/2009			9/4/2009			9/4/2009		
Dilution Factor :	2.0			1.0			1.0			4.0			4.0			4.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.3			4.6			4.7			4.5			4.6			4.9		
1,1-Dichloroethene-d2	7.3			12			10			16			16			17		
2-Butanone-d5	43			26			22			26			26			42		
Chloroform-d	5.4			4.9			4.6			5.0			5.1			5.6		
1,2-Dichloroethane-d4	5.0			4.3			4.0			4.4			4.4			5.0		
Benzene-d6	5.2			5.2			5.4			5.1			5.2			5.3		
1,2-Dichloropropane-d6	4.8			4.6			4.5			4.6			4.6			4.7		
Toluene-d8	5.1			5.2			5.4			5.2			5.2			5.1		
trans-1,3-Dichloropropene-d4	5.1			4.5			4.3			4.6			4.7			5.0		
2-Hexanone-d5	44			27			25			29			29			41		
1,1,2,2-Tetrachloroethane-d2	5.4			4.2			3.8			4.3			4.3			5.4		
1,2-Dichlorobenzene-d4	4.6			4.6			4.7			4.8			4.8			5.0		

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. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	27			28			1			2			3			4		
Sample ID :	Y4ZD2			Y4ZD3			Y4ZD4			Y4ZD5			Y4ZD6			Y4ZD7		
Collection Date :	9/4/2009			9/4/2009			9/8/2009			9/8/2009			9/8/2009			9/8/2009		
Dilution Factor :	1.0			1.0			2.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.17J	J		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.12J	J		0.50U	U		51E			0.50U	U		24E			0.50U	U	
1,1-Dichloroethene	3.5			0.50U	U		86E			0.50U	U		66E	J		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	0.20J	J		0.50U	U		120E			0.50U	U		52E			0.50U	U	
Acetone	5.0U	U		5.0U	U		66			5.0U	U		29			5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.22J	J		0.50U	U		0.28J	J		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.47J	J		0.50U	U		0.27J	J		0.50U	U	
1,1-Dichloroethane	0.14J	J		0.50U	U		0.42J	J		0.50U	U		10			0.50U	U	
cis-1,2-Dichloroethene	0.16J	J		0.50U	U		4.8			0.50U	U		16	J		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		10U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	1.4			0.50U	U		12			0.58			18			0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		1.6			0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.36J	J		0.50U	U		0.11J	J		0.19J	J	
Benzene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		2.3			0.50U	U	
Trichloroethene	12			0.50U	U		160E			2.7			86E			11		
Methylcyclohexane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZC6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	27			28			1			2			3			4		
Sample ID :	Y4ZD2			Y4ZD3			Y4ZD4			Y4ZD5			Y4ZD6			Y4ZD7		
Collection Date :	9/4/2009			9/4/2009			9/8/2009			9/8/2009			9/8/2009			9/8/2009		
Dilution Factor :	1.0			1.0			2.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		1.0U	U		0.27J	J		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		10U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.24J	J		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.16J	J		0.50U	U	
Tetrachloroethene	88E			0.50U	U		130E			0.28J	J		120E			1.9		
2-Hexanone	5.0U	U		5.0U	U		10U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		1.0U	U		0.12J	J		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		1.0U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.8			4.5			4.7			4.2			4.9			4.0		

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	27			28			1			2			3			4		
Sample ID :	Y4ZD2			Y4ZD3			Y4ZD4			Y4ZD5			Y4ZD6			Y4ZD7		
Collection Date :	9/4/2009			9/4/2009			9/8/2009			9/8/2009			9/8/2009			9/8/2009		
Dilution Factor :	1.0			1.0			2.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.4			4.9			4.9			4.6			5.2			4.4		
1,1-Dichloroethene-d2	4.9			3.9			14			3.8			19			3.7		
2-Butanone-d5	42			40			43			31			43			35		
Chloroform-d	5.2			5.0			5.3			4.8			5.8			4.8		
1,2-Dichloroethane-d4	4.9			4.7			4.9			4.6			5.0			5.0		
Benzene-d6	5.1			5.1			5.1			5.1			5.1			4.9		
1,2-Dichloropropane-d6	4.7			4.7			4.7			4.7			4.7			4.7		
Toluene-d8	5.2			5.0			5.1			5.2			5.1			5.0		
trans-1,3-Dichloropropene-d4	5.0			4.8			5.1			4.8			5.1			5.2		
2-Hexanone-d5	40			41			45			36			45			41		
1,1,2,2-Tetrachloroethane-d2	5.1			4.1			5.3			4.8			5.4			5.1		
1,2-Dichlorobenzene-d4	4.7			4.6			5.0			4.5			4.6			4.7		

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 Page ____ of ____

Table 1A

Case No. : 38845 SDG No. : Y4ZC6

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	5			6			7									Method Blank		
Sample ID :	Y4ZD8			Y4ZD9			Y4ZE0			Y4ZD7MS			Y4ZD7MSD			VBLKT1		
Collection Date :	9/8/2009			9/8/2009			9/8/2009											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	3.5			1.5			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	46E	J		8.1	J		0.50U	U		5.1			5.0			0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	6.1			2.8			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.57	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.24J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	11			1.8			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	12	J		1.2	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	15			0.70			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.18J	J		0.17J	J		0.50U	U		0.18J	J		0.19J	J		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		4.9			4.9			0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	48E			22E			0.50U	U		16			16			0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZC6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	5			6			7											
Sample ID :	Y4ZD8			Y4ZD9			Y4ZE0			Y4ZD7MS			Y4ZD7MSD			Method Blank VBLKT1		
Collection Date :	9/8/2009			9/8/2009			9/8/2009											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	5.1			0.51			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		4.9			4.9			0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	37E			14			0.50U	U		1.8			1.8			0.50U	U	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		5.0			4.9			0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.7			4.5			4.2			3.9			4.0			4.9		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZC6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	5			6			7									Method Blank		
Sample ID :	Y4ZD8			Y4ZD9			Y4ZE0			Y4ZD7MS			Y4ZD7MSD			VBLKT1		
Collection Date :	9/8/2009			9/8/2009			9/8/2009											
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.2			4.7			4.6			4.3			4.3			5.4		
1,1-Dichloroethene-d2	15			5.7			3.8			4.8			4.9			4.2		
2-Butanone-d5	47			48			27			40			37			58		
Chloroform-d	5.8			5.3			4.8			4.9			4.9			5.3		
1,2-Dichloroethane-d4	5.3			5.3			4.4			5.3			5.2			4.9		
Benzene-d6	5.1			5.2			5.1			4.9			5.0			5.1		
1,2-Dichloropropane-d6	4.8			4.7			4.6			4.7			4.8			4.7		
Toluene-d8	5.1			5.1			5.1			4.9			5.0			5.0		
trans-1,3-Dichloropropene-d4	5.3			5.3			4.7			5.4			5.3			4.9		
2-Hexanone-d5	47			49			32			45			41			52		
1,1,2,2-Tetrachloroethane-d2	5.6			5.6			4.2			5.8			5.6			4.7		
1,2-Dichlorobenzene-d4	4.8			4.7			4.6			4.9			4.7			4.9		

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. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank											
Sample ID :	VBLKT2			VBLKT3			VHBLKT1			CRQL			Y4ZC6DL			Y4ZC7DL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0						20.0			10.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50			16D			19D		
1,1-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50			29D			40D		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50U	U		0.50U	U		0.50			61D			48D		
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0			100U	U		50U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Methylene chloride	0.50U	U		0.11J	J		0.50U	U		0.50			3.0JD	J		1.3JD	J	
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
cis-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50			4.3JD	J		5.0U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0			100U	U		50U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50			7.7JD	J		7.5D		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Trichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50			170D			12D		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank											
Sample ID :	VBLKT2			VBLKT3			VHBLKT1			CRQL			Y4ZC6DL			Y4ZC7DL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0						20.0			10.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0			100U	U		50U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Tetrachloroethene	0.50U	U		0.50U	U		0.50U	U		0.50			72D			100D		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0			100U	U		50U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
1,2,3-Trichlorobenzene	0.27J	J		0.50U	U		0.50U	U		0.50			10U	U		5.0U	U	
Vinyl chloride-d3	4.4			4.4			4.0			NA			4.8			4.6		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZC6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	Method Blank			Method Blank			Method Blank			CRQL			Y4ZC6DL			Y4ZC7DL		
Sample ID :	VBLKT2			VBLKT3			VHBLKT1						Y4ZC6DL			Y4ZC7DL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0						20.0			10.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.8			4.7			4.4			NA			5.5			4.9		
1,1-Dichloroethene-d2	3.9			3.8			3.7			NA			4.5			4.9		
2-Butanone-d5	52			41			33			NA			43			43		
Chloroform-d	4.9			4.8			4.8			NA			5.1			5.2		
1,2-Dichloroethane-d4	4.7			4.6			4.9			NA			4.9			5.0		
Benzene-d6	5.1			5.0			5.0			NA			5.1			5.2		
1,2-Dichloropropane-d6	4.8			4.6			4.7			NA			4.7			4.8		
Toluene-d8	5.1			5.0			5.0			NA			5.1			5.2		
trans-1,3-Dichloropropene-d	4.8			4.9			5.0			NA			5.2			5.1		
2-Hexanone-d5	50			42			37			NA			42			43		
1,1,2,2-Tetrachloroethane-d2	4.5			4.7			5.1			NA			5.0			5.2		
1,2-Dichlorobenzene-d4	4.6			4.8			4.9			NA			4.7			4.7		

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 Page ____ of ____

Table 1A

Case No. : 38845 SDG No. : Y4ZC6

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																	
Sample ID :	Y4ZC8DL			Y4ZC9DL			Y4ZD0DL			Y4ZD1DL			Y4ZD2DL			Y4ZD4DL		
Collection Date :																		
Dilution Factor :	5.0			40.0			40.0			40.0			10.0			20.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Chloromethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Vinyl chloride	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Bromomethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Chloroethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Trichlorofluoromethane	19D			130D			120D			110D			5.0U	U		48D		
1,1-Dichloroethene	32D			280D			250D			240D			5.0U	U		78D		
1,1,2-Trichloro-1,2,2-trifluoro	42D			300D			270D			260D			5.0U	U		110D		
Acetone	25U	U		200U	U		200U	U		200U	U		50U	U		100U	U	
Carbon disulfide	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Methyl acetate	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Methylene chloride	0.77JD	J		6.4JD	J		5.6JD	J		6.2JD	J		1.3JD	J		10U	U	
trans-1,2-Dichloroethene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Methyl tert-butyl ether	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,1-Dichloroethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
cis-1,2-Dichloroethene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		4.4JD	J	
2-Butanone	25U	U		200U	U		200U	U		200U	U		50U	U		100U	U	
Bromochloromethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Chloroform	3.9D			48D			46D			45D			2.3JD	J		11D		
1,1,1-Trichloroethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Cyclohexane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Carbon tetrachloride	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Benzene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,2-Dichloroethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Trichloroethene	15D			78D			62D			180D			14D			160D		
Methylcyclohexane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZC8DL			Y4ZC9DL			Y4ZD0DL			Y4ZD1DL			Y4ZD2DL			Y4ZD4DL		
Collection Date :																		
Dilution Factor :	5.0			40.0			40.0			40.0			10.0			20.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Bromodichloromethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
cis-1,3-Dichloropropene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
4-Methyl-2-Pentanone	25U	U		200U	U		200U	U		200U	U		50U	U		100U	U	
Toluene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
trans-1,3-Dichloropropene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,1,2-Trichloroethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Tetrachloroethene	51D			320D			280D			330D			99D			120D		
2-Hexanone	25U	U		200U	U		200U	U		200U	U		50U	U		100U	U	
Dibromochloromethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,2-Dibromoethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Chlorobenzene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Ethylbenzene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
o-Xylene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
m,p-Xylene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Styrene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Bromoform	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Isopropylbenzene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,1,2,2-Tetrachloroethane	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,3-Dichlorobenzene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,4-Dichlorobenzene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,2-Dichlorobenzene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,2-Dibromo-3-chloropropan	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,2,4-Trichlorobenzene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
1,2,3-Trichlorobenzene	2.5U	U		20U	U		20U	U		20U	U		5.0U	U		10U	U	
Vinyl chloride-d3	4.7			4.4			4.9			4.4			4.4			4.1		

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZC8DL			Y4ZC9DL			Y4ZD0DL			Y4ZD1DL			Y4ZD2DL			Y4ZD4DL		
Collection Date :																		
Dilution Factor :	5.0			40.0			40.0			40.0			10.0			20.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			4.7			4.7			4.7			4.8			4.6		
1,1-Dichloroethene-d2	5.4			5.4			5.4			5.2			3.9			4.7		
2-Butanone-d5	42			43			46			43			43			32		
Chloroform-d	5.2			5.0			5.2			5.0			5.0			4.8		
1,2-Dichloroethane-d4	5.0			4.8			5.1			4.8			4.7			4.8		
Benzene-d6	5.3			5.9			5.2			5.1			5.7			5.0		
1,2-Dichloropropane-d6	4.8			5.4			4.8			4.7			5.3			4.6		
Toluene-d8	5.3			5.4			5.1			5.1			5.6			5.0		
trans-1,3-Dichloropropene-d	5.3			5.2			5.2			5.0			5.4			4.9		
2-Hexanone-d5	44			44			47			44			46			36		
1,1,2,2-Tetrachloroethane-d2	5.3			5.2			5.4			4.7			5.2			5.8		
1,2-Dichlorobenzene-d4	4.7			4.7			4.9			4.8			4.6			4.7		

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. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZD6DL			Y4ZD8DL			Y4ZD9DL											
Collection Date :																		
Dilution Factor :	10.0			4.0			2.0											
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	5.0U	U		2.0U	U		1.0U	U										
Chloromethane	5.0U	U		2.0U	U		1.0U	U										
Vinyl chloride	5.0U	U		2.0U	U		1.0U	U										
Bromomethane	5.0U	U		2.0U	U		1.0U	U										
Chloroethane	5.0U	U		2.0U	U		1.0U	U										
Trichlorofluoromethane	20D			2.4D			1.4D											
1,1-Dichloroethene	55D			34D			7.6D											
1,1,2-Trichloro-1,2,2-trifluoro	44D			4.3D			2.9D											
Acetone	50U	U		20U	U		10U	U										
Carbon disulfide	5.0U	U		2.0U	U		1.0U	U										
Methyl acetate	5.0U	U		2.0U	U		1.0U	U										
Methylene chloride	5.0JDB	U		2.0JDB	U		1.0U	U										
trans-1,2-Dichloroethene	5.0U	U		0.45JD	J		1.0U	U										
Methyl tert-butyl ether	5.0U	U		2.0U	U		1.0U	U										
1,1-Dichloroethane	9.4D			7.8D			1.7D											
cis-1,2-Dichloroethene	14D			8.6D			1.0D											
2-Butanone	50U	U		20U	U		10U	U										
Bromochloromethane	5.0U	U		2.0U	U		1.0U	U										
Chloroform	16D			11D			0.55JD	J										
1,1,1-Trichloroethane	1.4JD	J		2.0U	U		1.0U	U										
Cyclohexane	5.0U	U		2.0U	U		1.0U	U										
Carbon tetrachloride	5.0U	U		2.0U	U		1.0U	U										
Benzene	5.0U	U		2.0U	U		1.0U	U										
1,2-Dichloroethane	5.0U	U		2.0U	U		1.0U	U										
Trichloroethene	87D			36D			21D											
Methylcyclohexane	5.0U	U		2.0U	U		1.0U	U										

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38845 SDG No. : Y4ZC6

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZD6DL			Y4ZD8DL			Y4ZD9DL											
Collection Date :																		
Dilution Factor :	10.0			4.0			2.0											
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	5.0U	U		4.1D			0.45JD	J										
Bromodichloromethane	5.0U	U		0.61JD	J		1.0U	U										
cis-1,3-Dichloropropene	5.0U	U		2.0U	U		1.0U	U										
4-Methyl-2-Pentanone	50U	U		20U	U		10U	U										
Toluene	5.0U	U		2.0U	U		1.0U	U										
trans-1,3-Dichloropropene	5.0U	U		2.0U	U		1.0U	U										
1,1,2-Trichloroethane	5.0U	U		2.0U	U		1.0U	U										
Tetrachloroethene	110D			25D			12D											
2-Hexanone	50U	U		20U	U		10U	U										
Dibromochloromethane	5.0U	U		2.0U	U		1.0U	U										
1,2-Dibromoethane	5.0U	U		2.0U	U		1.0U	U										
Chlorobenzene	5.0U	U		2.0U	U		1.0U	U										
Ethylbenzene	5.0U	U		2.0U	U		1.0U	U										
o-Xylene	5.0U	U		2.0U	U		1.0U	U										
m,p-Xylene	5.0U	U		2.0U	U		1.0U	U										
Styrene	5.0U	U		2.0U	U		1.0U	U										
Bromoform	5.0U	U		2.0U	U		1.0U	U										
Isopropylbenzene	5.0U	U		2.0U	U		1.0U	U										
1,1,2,2-Tetrachloroethane	5.0U	U		2.0U	U		1.0U	U										
1,3-Dichlorobenzene	5.0U	U		2.0U	U		1.0U	U										
1,4-Dichlorobenzene	5.0U	U		2.0U	U		1.0U	U										
1,2-Dichlorobenzene	5.0U	U		2.0U	U		1.0U	U										
1,2-Dibromo-3-chloropropan	5.0U	U		2.0U	U		1.0U	U										
1,2,4-Trichlorobenzene	5.0U	U		2.0U	U		1.0U	U										
1,2,3-Trichlorobenzene	5.0U	U		2.0U	U		1.0U	U										
Vinyl chloride-d3	4.1			4.6			4.2											

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZC6
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZD6DL			Y4ZD8DL			Y4ZD9DL											
Collection Date :																		
Dilution Factor :	10.0			4.0			2.0											
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.6			4.8			4.6											
1,1-Dichloroethene-d2	5.1			6.1			4.7											
2-Butanone-d5	27			32			30											
Chloroform-d	4.8			4.9			4.8											
1,2-Dichloroethane-d4	4.4			5.1			4.7											
Benzene-d6	5.2			5.1			5.0											
1,2-Dichloropropane-d6	4.6			4.7			4.6											
Toluene-d8	5.2			5.0			5.1											
trans-1,3-Dichloropropene-d4	4.7			5.3			4.9											
2-Hexanone-d5	33			36			35											
1,1,2,2-Tetrachloroethane-d2	4.3			5.0			4.6											
1,2-Dichlorobenzene-d4	4.6			4.8			4.6											

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. : 38845 SDG No. : Y4ZC6

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	21			22			23			24			25			26		
Sample ID :	Y4ZC6			Y4ZC7			Y4ZC8			Y4ZC9			Y4ZD0			Y4ZD1		
Collection Date :	9/4/2009			9/4/2009			9/4/2009			9/4/2009			9/4/2009			9/4/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	1.2J	J		1.5J	J		1.1J	J		10			11			14		

Val - Validity. Refer to Data Qualifiers in Table 1B.

Com - Comments. Refer to the Corresponding Section in the Narrative for each letter.

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NA - Not Analyzed

D1, D2, etc. - Field Duplicate Pairs

FB - Field Blank, EB - Equipment Blank,

TB - Trip Blank, BG - Background Sample

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZC6 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	27			28			1			2			3			4		
Sample ID :	Y4ZD2			Y4ZD3			Y4ZD4			Y4ZD5			Y4ZD6			Y4ZD7		
Collection Date :	9/4/2009			9/4/2009			9/8/2009			9/8/2009			9/8/2009			9/8/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	3.3			0.23J	J		3.6			0.33J	J		7.7			0.60J	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. : 38845 SDG No. : Y4ZC6

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	5			6			7											
Sample ID :	Y4ZD8			Y4ZD9			Y4ZE0			CRQL								
Collection Date :	9/8/2009			9/8/2009			9/8/2009											
Dilution Factor :	1.0			1.0			1.0											
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	12			4.6			0.24J	J		2.0								

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. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	36			37			38			39			40			41		
Sample ID :	Y4ZE1			Y4ZE2			Y4ZE3			Y4ZE4			Y4ZE5			Y4ZE6		
Collection Date :	9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			10.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.12J	J		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.11J	J	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		2.8		
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		6.9		
1,1-Dichloroethene	1.0			0.50U	U		0.50U	U		0.50U	U		14			66E	J	
1,1,2-Trichloro-1,2,2-trifluoro	0.26J	J		0.50U	U		0.50U	U		0.50U	U		5.0U	U		15		
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.23J	J		0.50U	U		0.50U	U		5.0U	U		3.4	J	
Methyl tert-butyl ether	0.15J	J		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.12J	J		0.34J	J		5.0U	U		8.1		
cis-1,2-Dichloroethene	0.27J	J		2.9			0.23J	J		0.23J	J		5.0U	U		27E	J	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		3.5J	J		1.3		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.13J	J	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		18		
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		11			0.50U	U		0.50U	U		5.0U	U		2.3		
Trichloroethene	2.0			1.1			5.6			3.5			900E			92E		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		13		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	36			37			38			39			40			41		
Sample ID :	Y4ZE1			Y4ZE2			Y4ZE3			Y4ZE4			Y4ZE5			Y4ZE6		
Collection Date :	9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			10.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		2.3J	J		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		13		
Tetrachloroethene	11			0.50U	U		1.6			2.2			1.6J	J		100E		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0U	U		0.50U	U	
Vinyl chloride-d3	3.7			3.7			3.8			3.8			3.7			4.3		

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	36			37			38			39			40			41		
Sample ID :	Y4ZE1			Y4ZE2			Y4ZE3			Y4ZE4			Y4ZE5			Y4ZE6		
Collection Date :	9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			10.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.4			4.3			4.4			4.4			4.3			5.0		
1,1-Dichloroethene-d2	3.9			3.7			3.7			3.8			4.0			19		
2-Butanone-d5	35			39			33			33			39			36		
Chloroform-d	4.9			4.9			4.8			4.9			5.0			4.9		
1,2-Dichloroethane-d4	5.0			5.9			4.8			4.9			5.3			5.3		
Benzene-d6	5.1			4.9			5.1			5.0			4.9			5.0		
1,2-Dichloropropane-d6	4.8			4.8			4.7			4.7			4.8			5.3		
Toluene-d8	5.1			4.9			5.1			5.1			5.0			5.2		
trans-1,3-Dichloropropene-d4	5.1			5.2			5.0			5.0			5.2			4.1		
2-Hexanone-d5	37			44			38			38			44			32		
1,1,2,2-Tetrachloroethane-d2	5.6			6.0			5.1			5.1			5.8			5.6		
1,2-Dichlorobenzene-d4	4.7			4.8			4.9			4.8			4.9			4.9		

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. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	42			43			44			45			47			48		
Sample ID :	Y4ZE7			Y4ZE8			Y4ZE9			Y4ZF0			Y4ZF1			Y4ZF2		
Collection Date :	9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/11/2009			9/11/2009		
Dilution Factor :	4.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.23J	J		0.18J	J	
Chloromethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	2.0U	U		0.15J	J		0.18J	J		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		20			32E		
1,1-Dichloroethene	160E			40E	J		51E	J		0.50U	U		54E	J		30E	J	
1,1,2-Trichloro-1,2,2-trifluoro	2.0U	U		0.50U	U		0.50U	U		0.50U	U		36E			65E		
Acetone	20U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.14J	J		0.12J	J	
Methyl tert-butyl ether	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.23J	J		0.42J	J	
1,1-Dichloroethane	8.9			2.5			3.2			0.50U	U		4.3			0.55		
cis-1,2-Dichloroethene	36			12	J		15	J		0.50U	U		8.5	J		4.4	J	
2-Butanone	20U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	2.0U	U		0.50U	U		0.50U	U		0.50U	U		3.1			2.0		
1,1,1-Trichloroethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.40J	J		0.50U	U	
Cyclohexane	2.0U	U		0.46J	J		0.65			0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.20J	J	
Benzene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	270E			29E			38E			0.50U	U		89E			100E		
Methylcyclohexane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	42			43			44			45			47			48		
Sample ID :	Y4ZE7			Y4ZE8			Y4ZE9			Y4ZF0			Y4ZF1			Y4ZF2		
Collection Date :	9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/11/2009			9/11/2009		
Dilution Factor :	4.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.15J	J		0.50U	U	
cis-1,3-Dichloropropene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	20U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	2.0U	U		0.50U	U		0.50U	U		0.23J	J		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	9.6			16			17			0.50U	U		88E			89E		
2-Hexanone	20U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	2.0U	U		0.50U	U		0.50U	U		0.18J	J		0.50U	U		0.50U	U	
m,p-Xylene	2.0U	U		0.50U	U		0.50U	U		0.18J	J		0.50U	U		0.50U	U	
Styrene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	2.0U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	3.7			3.7			3.7			3.8			4.5			4.5		

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	42			43			44			45			47			48		
Sample ID :	Y4ZE7			Y4ZE8			Y4ZE9			Y4ZF0			Y4ZF1			Y4ZF2		
Collection Date :	9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/11/2009			9/11/2009		
Dilution Factor :	4.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.3			4.3			4.2			4.4			5.2			5.1		
1,1-Dichloroethene-d2	14			14			16			3.7			17			11		
2-Butanone-d5	39			37			41			37			36			35		
Chloroform-d	5.0			4.9			5.0			4.9			5.0			5.0		
1,2-Dichloroethane-d4	5.3			5.2			5.4			5.1			5.0			5.0		
Benzene-d6	5.0			5.0			5.0			5.0			5.1			5.0		
1,2-Dichloropropane-d6	4.9			4.8			4.9			4.8			4.9			4.7		
Toluene-d8	5.0			5.0			5.0			5.0			5.1			5.1		
trans-1,3-Dichloropropene-d4	5.2			5.2			5.2			5.1			5.2			5.1		
2-Hexanone-d5	42			40			44			41			37			34		
1,1,2,2-Tetrachloroethane-d2	6.1			5.9			6.0			5.7			5.7			5.7		
1,2-Dichlorobenzene-d4	4.7			4.9			5.0			4.8			4.7			4.9		

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. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	49			50			51			52			53			54		
Sample ID :	Y4ZF3			Y4ZF4			Y4ZF5			Y4ZF6			Y4ZF7			Y4ZF8		
Collection Date :	9/11/2009			9/11/2009			9/11/2009			9/11/2009			9/11/2009			9/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.18J	J		0.13J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.12J	J		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	31E			31E			0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	29E	J		19	J		0.65			0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	64E			61E			0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Acetone	5.0U	U		5.0U	U		5.0U	UJ		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.11J	J		0.50U	U		0.59			0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.45J	J		0.50U	U		0.50U	UJ		0.14J	J		0.14J	J		0.50U	U	
1,1-Dichloroethane	0.54			0.31J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	4.2	J		4.4	J		0.57			0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	U		5.0U	U		5.0U	UJ		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	2.0			1.3			0.50U	U		0.25J	J		1.3			0.50U	U	
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	UJ		0.50U	U		0.13J	J		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.20J	J		0.24J	J		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	97E			95E			3.5			4.2			0.70			0.50U	U	
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	49			50			51			52			53			54		
Sample ID :	Y4ZF3			Y4ZF4			Y4ZF5			Y4ZF6			Y4ZF7			Y4ZF8		
Collection Date :	9/11/2009			9/11/2009			9/11/2009			9/11/2009			9/11/2009			9/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	85E			75E			0.23J	J		5.5			2.0			0.39J	J	
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	UJ		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.4			3.9			4.5			4.4			4.3			4.5		

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	49			50			51			52			53			54		
Sample ID :	Y4ZF3			Y4ZF4			Y4ZF5			Y4ZF6			Y4ZF7			Y4ZF8		
Collection Date :	9/11/2009			9/11/2009			9/11/2009			9/11/2009			9/11/2009			9/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.1			5.0			5.2			5.1			5.0			5.2		
1,1-Dichloroethene-d2	10			7.6			3.9			3.7			3.6			3.7		
2-Butanone-d5	39			29			21			28			32			32		
Chloroform-d	5.0			4.7			4.5			4.7			4.8			4.7		
1,2-Dichloroethane-d4	5.3			4.5			3.8			4.4			4.8			4.7		
Benzene-d6	4.9			4.9			5.3			5.1			4.9			5.0		
1,2-Dichloropropane-d6	4.8			4.5			4.5			4.6			4.6			4.7		
Toluene-d8	4.9			5.1			5.4			5.1			5.0			5.1		
trans-1,3-Dichloropropene-d4	5.3			4.7			4.2			4.7			5.0			5.1		
2-Hexanone-d5	39			30			26			33			37			38		
1,1,2,2-Tetrachloroethane-d2	5.8			4.5			3.7			4.5			5.1			5.1		
1,2-Dichlorobenzene-d4	4.9			4.7			4.6			4.7			4.9			4.8		

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 Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	55			56			Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	Y4ZF9			Y4ZG0			VBLKT1			VBLKT2			VBLKT3			VBLKT4		
Collection Date :	9/11/2009			9/11/2009														
Dilution Factor :	10.0			40.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	70			150			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethene	220E			680			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloro-1,2,2-trifluoro	210E			390			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Acetone	50U	U		200U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	5.0U	U		7.3J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	2.1J	J		5.1J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1-Dichloroethane	2.5J	J		7.7J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	39			27			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	50U	U		200U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	59			210			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,1-Trichloroethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	430E			380			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylcyclohexane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	55			56			Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	Y4ZF9			Y4ZG0			VBLKT1			VBLKT2			VBLKT3			VBLKT4		
Collection Date :	9/11/2009			9/11/2009														
Dilution Factor :	10.0			40.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	50U	U		200U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	950E			2700E			0.50U	U		0.50U	U		0.50U	U		0.50U	U	
2-Hexanone	50U	U		200U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	5.0U	U		20U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.2			4.2			3.8			4.6			4.4			4.1		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	55			56			Method Blank			Method Blank			Method Blank			Method Blank		
Sample ID :	Y4ZF9			Y4ZG0			VBLKT1			VBLKT2			VBLKT3			VBLKT4		
Collection Date :	9/11/2009			9/11/2009														
Dilution Factor :	10.0			40.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.8			4.8			4.4			5.2			5.2			5.1		
1,1-Dichloroethene-d2	9.0			7.7			3.8			3.7			3.7			3.5		
2-Butanone-d5	36			42			48			46			41			39		
Chloroform-d	5.0			5.1			4.8			4.8			4.7			4.7		
1,2-Dichloroethane-d4	5.1			5.4			4.7			4.6			4.5			4.6		
Benzene-d6	4.9			4.8			5.1			5.1			5.0			4.9		
1,2-Dichloropropane-d6	4.7			4.8			4.7			4.7			4.6			4.5		
Toluene-d8	5.0			4.9			5.1			5.1			5.1			5.0		
trans-1,3-Dichloropropene-d	5.2			5.5			5.0			4.9			4.8			4.8		
2-Hexanone-d5	35			41			50			48			43			40		
1,1,2,2-Tetrachloroethane-d	6.0			6.2			4.8			4.8			4.7			4.7		
1,2-Dichlorobenzene-d4	4.8			5.0			4.8			4.8			4.8			4.8		

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. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	Method Blank			CRQL			Y4ZE5DL			Y4ZE6DL			Y4ZE7DL			Y4ZE8DL		
Sample ID :	VHBLKT1																	
Collection Date :																		
Dilution Factor :	1.0						100.0			10.0			40.0			5.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Chloromethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Vinyl chloride	0.50U	U		0.50			50U	U		3.1JD	J		20U	U		2.5U	U	
Bromomethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Chloroethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Trichlorofluoromethane	0.50U	U		0.50			50U	U		7.3D			20U	U		2.5U	U	
1,1-Dichloroethene	0.50U	U		0.50			50U	U		73D			170D			44D		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.50			50U	U		17D			20U	U		2.5U	U	
Acetone	5.0U	U		5.0			500U	U		50U	U		200U	U		25U	U	
Carbon disulfide	0.50U	U		0.50			50U	U		5.0U	U		8.3JD	J		2.5U	U	
Methyl acetate	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Methylene chloride	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
trans-1,2-Dichloroethene	0.50U	U		0.50			50U	U		3.6JD	J		20U	U		2.5U	U	
Methyl tert-butyl ether	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,1-Dichloroethane	0.50U	U		0.50			50U	U		8.8D			9.3JD	J		2.7D		
cis-1,2-Dichloroethene	0.50U	U		0.50			50U	U		28D			36D			13D		
2-Butanone	5.0U	U		5.0			500U	U		50U	U		200U	U		25U	U	
Bromochloromethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Chloroform	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,1,1-Trichloroethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Cyclohexane	0.50U	U		0.50			50U	U		20D			20U	U		2.5U	U	
Carbon tetrachloride	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Benzene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,2-Dichloroethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Trichloroethene	0.12J	J		0.50			1000D			110D			280D			32D		
Methylcyclohexane	0.50U	U		0.50			50U	U		15D			20U	U		2.5U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	Method Blank																
Sample ID :	VHBLKT1			CRQL			Y4ZE5DL			Y4ZE6DL			Y4ZE7DL			Y4ZE8DL	
Collection Date :																	
Dilution Factor :	1.0						100.0			10.0			40.0			5.0	
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Bromodichloromethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0			500U	U		50U	U		200U	U		25U	U	
Toluene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,1,2-Trichloroethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Tetrachloroethene	0.50U	U		0.50			50U	U		130D			11JD	J		19D		
2-Hexanone	5.0U	U		5.0			500U	U		50U	U		200U	U		25U	U	
Dibromochloromethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,2-Dibromoethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Chlorobenzene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Ethylbenzene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
o-Xylene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
m,p-Xylene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Styrene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Bromoform	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Isopropylbenzene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,3-Dichlorobenzene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,4-Dichlorobenzene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,2-Dichlorobenzene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50			50U	U		5.0U	U		20U	U		2.5U	U	
Vinyl chloride-d3	3.9			NA			4.6			4.5			4.4			4.5		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	Method Blank																	
Sample ID :	VHBLKT1			CRQL			Y4ZE5DL			Y4ZE6DL			Y4ZE7DL			Y4ZE8DL		
Collection Date :																		
Dilution Factor :	1.0						100.0			10.0			40.0			5.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.9			NA			5.2			5.1			5.2			5.1		
1,1-Dichloroethene-d2	3.5			NA			3.7			5.5			4.7			5.8		
2-Butanone-d5	33			NA			32			32			35			34		
Chloroform-d	4.7			NA			4.8			4.8			4.9			4.8		
1,2-Dichloroethane-d4	4.8			NA			4.8			4.8			4.9			4.9		
Benzene-d6	4.9			NA			5.1			5.1			5.1			5.0		
1,2-Dichloropropane-d6	4.6			NA			4.8			4.8			4.8			4.7		
Toluene-d8	5.0			NA			5.1			5.1			5.1			5.0		
trans-1,3-Dichloropropene-d4	5.0			NA			5.1			4.9			5.2			5.1		
2-Hexanone-d5	38			NA			38			37			40			39		
1,1,2,2-Tetrachloroethane-d2	5.1			NA			5.2			5.1			5.5			5.3		
1,2-Dichlorobenzene-d4	4.9			NA			4.9			4.8			5.0			4.9		

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. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZE9DL			Y4ZF1DL			Y4ZF2DL			Y4ZF3DL			Y4ZF4DL			Y4ZF9DL		
Collection Date :																		
Dilution Factor :	5.0			10.0			10.0			10.0			10.0			100.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Chloromethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Vinyl chloride	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Bromomethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Chloroethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Trichlorofluoromethane	2.5U	U		20D			31D			33D			32D			68D		
1,1-Dichloroethene	56D			57D			33D			34D			21D			220D		
1,1,2-Trichloro-1,2,2-trifluoro	2.5U	U		38D			69D			73D			68D			200D		
Acetone	25U	U		50U	U		50U	U		50U	U		50U	U		500U	U	
Carbon disulfide	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Methyl acetate	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Methylene chloride	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
trans-1,2-Dichloroethene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Methyl tert-butyl ether	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,1-Dichloroethane	3.4D			4.5JD	J		5.0U	U		5.0U	U		5.0U	U		50U	U	
cis-1,2-Dichloroethene	16D			8.7D			4.4JD	J		4.4JD	J		4.6JD	J		37JD	J	
2-Butanone	25U	U		50U	U		50U	U		50U	U		50U	U		500U	U	
Bromochloromethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Chloroform	2.5U	U		3.4JD	J		5.0U	U		5.0U	U		5.0U	U		58D		
1,1,1-Trichloroethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Cyclohexane	0.85JD	J		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Carbon tetrachloride	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Benzene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,2-Dichloroethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Trichloroethene	43D			91D			110D			110D			110D			420D		
Methylcyclohexane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :																		
Sample ID :	Y4ZE9DL			Y4ZF1DL			Y4ZF2DL			Y4ZF3DL			Y4ZF4DL			Y4ZF9DL		
Collection Date :																		
Dilution Factor :	5.0			10.0			10.0			10.0			10.0			100.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Bromodichloromethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
cis-1,3-Dichloropropene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
4-Methyl-2-Pentanone	25U	U		50U	U		50U	U		50U	U		50U	U		500U	U	
Toluene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
trans-1,3-Dichloropropene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,1,2-Trichloroethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Tetrachloroethene	19D			93D			95D			95D			86D			950D		
2-Hexanone	25U	U		50U	U		50U	U		50U	U		50U	U		500U	U	
Dibromochloromethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,2-Dibromoethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Chlorobenzene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Ethylbenzene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
o-Xylene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
m,p-Xylene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Styrene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Bromoform	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Isopropylbenzene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,1,2,2-Tetrachloroethane	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,3-Dichlorobenzene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,4-Dichlorobenzene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,2-Dichlorobenzene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,2-Dibromo-3-chloropropan	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,2,4-Trichlorobenzene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
1,2,3-Trichlorobenzene	2.5U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		50U	U	
Vinyl chloride-d3	4.7			4.4			4.4			4.5			4.3			4.5		

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZE1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZE9DL			Y4ZF1DL			Y4ZF2DL			Y4ZF3DL			Y4ZF4DL			Y4ZF9DL		
Collection Date :																		
Dilution Factor :	5.0			10.0			10.0			10.0			10.0			100.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.3			5.1			5.1			5.2			5.0			5.2		
1,1-Dichloroethene-d2	6.5			5.1			4.4			4.5			4.1			4.2		
2-Butanone-d5	34			41			39			41			30			34		
Chloroform-d	4.8			4.9			4.9			5.0			4.7			4.9		
1,2-Dichloroethane-d4	4.9			5.3			5.2			5.4			4.5			4.9		
Benzene-d6	5.1			4.9			5.0			4.9			5.1			5.1		
1,2-Dichloropropane-d6	4.7			4.8			4.8			4.8			4.6			4.9		
Toluene-d8	5.1			4.9			5.0			4.9			5.1			5.1		
trans-1,3-Dichloropropene-d	5.1			5.4			5.4			5.5			4.8			5.2		
2-Hexanone-d5	39			45			42			46			35			39		
1,1,2,2-Tetrachloroethane-d2	5.3			6.0			5.9			6.0			4.8			5.3		
1,2-Dichlorobenzene-d4	4.9			4.8			4.7			4.8			4.7			4.9		

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 Page ____ of ____

Table 1A

Case No. : 38845 SDG No. : Y4ZE1

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZG0DL																	
Collection Date :																		
Dilution Factor :	400.0																	
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	200U	U																
Chloromethane	200U	U																
Vinyl chloride	200U	U																
Bromomethane	200U	U																
Chloroethane	200U	U																
Trichlorofluoromethane	180JD	J																
1,1-Dichloroethene	790D																	
1,1,2-Trichloro-1,2,2-trifluoro	490D																	
Acetone	2000U	U																
Carbon disulfide	200U	U																
Methyl acetate	200U	U																
Methylene chloride	200U	U																
trans-1,2-Dichloroethene	200U	U																
Methyl tert-butyl ether	200U	U																
1,1-Dichloroethane	200U	U																
cis-1,2-Dichloroethene	200U	U																
2-Butanone	2000U	U																
Bromochloromethane	200U	U																
Chloroform	230D																	
1,1,1-Trichloroethane	200U	U																
Cyclohexane	200U	U																
Carbon tetrachloride	200U	U																
Benzene	200U	U																
1,2-Dichloroethane	200U	U																
Trichloroethene	430D																	
Methylcyclohexane	200U	U																

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZG0DL																	
Collection Date :																		
Dilution Factor :	400.0																	
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	200U	U																
Bromodichloromethane	200U	U																
cis-1,3-Dichloropropene	200U	U																
4-Methyl-2-Pentanone	2000U	U																
Toluene	200U	U																
trans-1,3-Dichloropropene	200U	U																
1,1,2-Trichloroethane	200U	U																
Tetrachloroethene	3200D																	
2-Hexanone	2000U	U																
Dibromochloromethane	200U	U																
1,2-Dibromoethane	200U	U																
Chlorobenzene	200U	U																
Ethylbenzene	200U	U																
o-Xylene	200U	U																
m,p-Xylene	200U	U																
Styrene	200U	U																
Bromoform	200U	U																
Isopropylbenzene	200U	U																
1,1,2,2-Tetrachloroethane	200U	U																
1,3-Dichlorobenzene	200U	U																
1,4-Dichlorobenzene	200U	U																
1,2-Dichlorobenzene	200U	U																
1,2-Dibromo-3-chloropropan	200U	U																
1,2,4-Trichlorobenzene	200U	U																
1,2,3-Trichlorobenzene	200U	U																
Vinyl chloride-d3	4.6																	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38845 SDG No. : Y4ZE1

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																	
Sample ID :	Y4ZG0DL																
Collection Date :																	
Dilution Factor :	400.0																
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.2																
1,1-Dichloroethene-d2	4.1																
2-Butanone-d5	32																
Chloroform-d	4.8																
1,2-Dichloroethane-d4	4.7																
Benzene-d6	5.0																
1,2-Dichloropropane-d6	4.7																
Toluene-d8	5.1																
trans-1,3-Dichloropropene-d4	4.9																
2-Hexanone-d5	37																
1,1,2,2-Tetrachloroethane-d2	5.1																
1,2-Dichlorobenzene-d4	4.8																

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. : 38845 SDG No. : Y4ZE1

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	36			37			38			39			40			41		
Sample ID :	Y4ZE1			Y4ZE2			Y4ZE3			Y4ZE4			Y4ZE5			Y4ZE6		
Collection Date :	9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/9/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	0.41J	J		2.0U	U		0.44J	J		2.4			2.0U	U		4.8		

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 Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	42			43			44			45			47			48		
Sample ID :	Y4ZE7			Y4ZE8			Y4ZE9			Y4ZF0			Y4ZF1			Y4ZF2		
Collection Date :	9/9/2009			9/9/2009			9/9/2009			9/9/2009			9/11/2009			9/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	6.1			2.1			2.4			2.0U	U		3.8			2.4		

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 Page ____ of ____

Case No. : 38845 SDG No. : Y4ZE1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Low Level Water Samples

Date : **Concentration in ug/L** for Semivolatiles

Station Location :	49			50			51			52			53			54		
Sample ID :	Y4ZF3			Y4ZF4			Y4ZF5			Y4ZF6			Y4ZF7			Y4ZF8		
Collection Date :	9/11/2009			9/11/2009			9/11/2009			9/11/2009			9/11/2009			9/11/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	2.3			1.6J	J		2.0U	U		1.9J	J		2.0J	J		0.73J	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. : 38845 SDG No. : Y4ZE1

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	55			56														
Sample ID :	Y4ZF9			Y4ZG0			CRQL			Y4ZG0DL								
Collection Date :	9/11/2009			9/11/2009														
Dilution Factor :	1.0			1.0						3.0								
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	46			120E			2.0			140D								

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 Page ____ of ____

Case No. : 38845 SDG No. : Y4ZG1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	57			58			59			60			61			62		
Sample ID :	Y4ZG1			Y4ZG2			Y4ZG3			Y4ZG4			Y4ZG5			Y4ZG6		
Collection Date :	9/11/2009			9/14/2009			9/14/2009			9/14/2009			9/14/2009			9/14/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.32J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	UJ		35E			21E			8.7			0.50U	UJ		10		
1,1-Dichloroethene	0.50U	U		59E	J		22E	J		11	J		0.50U	U		5.2		
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	UJ		76E			48E			17			0.15J	J		21E		
Acetone	5.1	J		5.0U	U		5.0U	U		5.0U	U		5.0U	UJ		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Methylene chloride	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.18J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	UJ		0.47J	J		0.26J	J		0.27J	J		0.50U	UJ		0.12J	J	
1,1-Dichloroethane	0.50U	U		0.32J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		11	J		0.50J	UJ		0.50U	U		0.50U	U		0.50U	U	
2-Butanone	5.0U	UJ		5.0U	U		5.0U	U		5.0U	U		5.0U	UJ		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		10			1.7			1.2			0.24J	J		0.95		
1,1,1-Trichloroethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	UJ		0.50U	U		0.50U	U		0.12J	J		0.50U	UJ		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichloroethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Trichloroethene	0.50U	U		110E			5.2			2.2			2.9			1.9		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38845 SDG No. : Y4ZG1

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	57			58			59			60			61			62		
Sample ID :	Y4ZG1			Y4ZG2			Y4ZG3			Y4ZG4			Y4ZG5			Y4ZG6		
Collection Date :	9/11/2009			9/14/2009			9/14/2009			9/14/2009			9/14/2009			9/14/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50J	J		0.50U	U		0.12J	J		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		86E			28E			51E			0.50U	U		8.7		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	UJ		0.50U	U		0.50U	U		0.50U	U		0.50U	UJ		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.14J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	4.2			3.7			3.6			3.5			4.0			3.6		

ANALYTICAL RESULTS

Table 1A

Case No. : 38845 SDG No. : Y4ZG1

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	57			58			59			60			61			62		
Sample ID :	Y4ZG1			Y4ZG2			Y4ZG3			Y4ZG4			Y4ZG5			Y4ZG6		
Collection Date :	9/11/2009			9/14/2009			9/14/2009			9/14/2009			9/14/2009			9/14/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.2			4.8			4.7			4.8			5.1			4.7		
1,1-Dichloroethene-d2	3.6			17			8.3			6.0			3.5			4.5		
2-Butanone-d5	20			38			39			30			23			37		
Chloroform-d	4.4			5.3			4.9			4.7			4.4			4.8		
1,2-Dichloroethane-d4	3.7			5.2			5.1			4.5			3.9			5.0		
Benzene-d6	5.4			4.7			4.7			4.8			5.1			4.8		
1,2-Dichloropropane-d6	4.5			4.6			4.7			4.5			4.5			4.7		
Toluene-d8	5.4			4.9			4.8			5.0			5.3			4.9		
trans-1,3-Dichloropropene-d	4.1			5.2			5.2			4.7			4.3			5.0		
2-Hexanone-d5	25			37			42			33			29			41		
1,1,2,2-Tetrachloroethane-d2	3.7			5.7			5.7			4.6			4.1			5.4		
1,2-Dichlorobenzene-d4	4.6			5.0			5.0			4.7			4.8			4.8		

Percent Solids

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. : 38845 SDG No. : Y4ZG1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :	63			64			65			66			69					
Sample ID :	Y4ZG7			Y4ZG8			Y4ZG9			Y4ZH0			Y4ZH1			Y4ZG3MS		
Collection Date :	9/14/2009			9/14/2009			9/14/2009			9/14/2009			9/16/2009					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroethane	0.50U	U		0.31J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichlorofluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		1.1			22E		
1,1-Dichloroethene	0.50U	U		7.5			0.50U	U		0.50U	U		6.6			27E	J	
1,1,2-Trichloro-1,2,2-trifluoro	0.50U	U		0.21J	J		0.50U	U		0.50U	U		2.6			49E		
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
trans-1,2-Dichloroethene	0.50U	U		0.27J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Methyl tert-butyl ether	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.13J	J		0.27J	J	
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.53			0.50U	U	
cis-1,2-Dichloroethene	0.50U	U		96E			0.50U	U		0.50U	U		2.5			0.50J	UJ	
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chloroform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		3.8			1.7		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Benzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.0		
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Trichloroethene	0.50U	U		19			0.15J	J		0.50U	U		12			11		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZG1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples for Trace Volatiles

Date : **Concentration in ug/L**

Station Location :	63			64			65			66			69					
Sample ID :	Y4ZG7			Y4ZG8			Y4ZG9			Y4ZH0			Y4ZH1			Y4ZG3MS		
Collection Date :	9/14/2009			9/14/2009			9/14/2009			9/14/2009			9/16/2009					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Toluene	0.50U	U		0.50U	U		0.50U	U		0.23J	J		0.56			5.0		
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Tetrachloroethene	0.50U	U		0.58			1.6			0.50U	U		15			29E		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U	
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Chlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		5.1		
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.11J	J		0.50U	U	
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.41J	J		0.50U	U	
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.38J	J		0.50U	U	
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U	
Vinyl chloride-d3	3.6			3.4			3.5			3.8			3.5			3.6		

ANALYTICAL RESULTS Page ____ of ____

Case No. : 38845 SDG No. : Y4ZG1 **Table 1A**

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer : **QUALIFIED DATA** **Analysis Type :** Trace Level Water Samples

Date : **Concentration in ug/L** for Trace Volatiles

Station Location :	63			64			65			66			69					
Sample ID :	Y4ZG7			Y4ZG8			Y4ZG9			Y4ZH0			Y4ZH1			Y4ZG3MS		
Collection Date :	9/14/2009			9/14/2009			9/14/2009			9/14/2009			9/16/2009					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	5.0			4.8			4.8			5.0			4.8			4.8		
1,1-Dichloroethene-d2	3.3			5.0			3.2			3.4			4.8			9.6		
2-Butanone-d5	25			38			31			26			35			39		
Chloroform-d	4.5			4.8			4.7			4.6			4.8			5.0		
1,2-Dichloroethane-d4	4.1			4.9			4.6			4.2			4.8			5.2		
Benzene-d6	5.0			4.9			4.8			5.1			4.7			4.9		
1,2-Dichloropropane-d6	4.4			4.7			4.5			4.5			4.5			4.8		
Toluene-d8	5.2			5.0			5.0			5.2			4.9			4.9		
trans-1,3-Dichloropropene-d4	4.4			5.3			4.8			4.5			4.9			5.4		
2-Hexanone-d5	31			44			37			31			38			42		
1,1,2,2-Tetrachloroethane-d2	4.1			5.4			4.7			4.3			5.0			5.9		
1,2-Dichlorobenzene-d4	4.7			4.9			4.7			4.8			4.9			4.8		

Percent Solids

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. : 38845 SDG No. : Y4ZG1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y4ZG3MSD			VBLKT1			VBLKT2			VBLKT3			VHBLKT1			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Vinyl chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromomethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Trichlorofluoromethane	22E			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1-Dichloroethene	26E	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2-Trichloro-1,2,2-trifluoro	48E			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Acetone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Carbon disulfide	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methyl acetate	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methylene chloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
trans-1,2-Dichloroethene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methyl tert-butyl ether	0.24J	J		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
cis-1,2-Dichloroethene	0.50J	UJ		0.50U	U		0.50U	U		0.50U	U		0.12J	J		0.50		
2-Butanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Bromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chloroform	1.7			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,1-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Cyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Carbon tetrachloride	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Benzene	4.8			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Trichloroethene	10			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Methylcyclohexane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		

ANALYTICAL RESULTS Page ____ of ____

Table 1A

Case No. : 38845 SDG No. : Y4ZG1

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y4ZG3MSD			VBLKT1			VBLKT2			VBLKT3			VHBLKT1			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromodichloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
cis-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
4-Methyl-2-Pentanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Toluene	4.7			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
trans-1,3-Dichloropropene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2-Trichloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Tetrachloroethene	29E			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
2-Hexanone	5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0U	U		5.0		
Dibromochloromethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dibromoethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Chlorobenzene	4.7			0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Ethylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
o-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
m,p-Xylene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Styrene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Bromoform	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Isopropylbenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,1,2,2-Tetrachloroethane	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,3-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,4-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2-Dibromo-3-chloropropan	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2,4-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
1,2,3-Trichlorobenzene	0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50U	U		0.50		
Vinyl chloride-d3	3.5			4.1			4.0			3.7			3.5			NA		

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZG1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :				Method Blank			Method Blank			Method Blank			Method Blank					
Sample ID :	Y4ZG3MSD			VBLKT1			VBLKT2			VBLKT3			VHBLKT1			CRQL		
Collection Date :																		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.7			5.1			5.1			4.9			4.8			NA		
1,1-Dichloroethene-d2	9.5			3.5			3.4			3.3			3.3			NA		
2-Butanone-d5	37			39			37			34			34			NA		
Chloroform-d	4.9			4.7			4.7			4.6			4.7			NA		
1,2-Dichloroethane-d4	4.9			4.6			4.5			4.4			4.8			NA		
Benzene-d6	5.0			4.9			4.9			4.9			4.7			NA		
1,2-Dichloropropane-d6	4.8			4.5			4.5			4.4			4.5			NA		
Toluene-d8	5.0			5.0			5.0			5.1			4.9			NA		
trans-1,3-Dichloropropene-d4	5.2			4.8			4.7			4.7			5.0			NA		
2-Hexanone-d5	39			40			39			37			39			NA		
1,1,2,2-Tetrachloroethane-d2	5.8			4.7			4.6			4.5			5.2			NA		
1,2-Dichlorobenzene-d4	5.0			4.8			4.8			4.8			5.0			NA		

Percent Solids

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. : 38845 SDG No. : Y4ZG1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZG2DL			Y4ZG3DL			Y4ZG4DL			Y4ZG6DL			Y4ZG8DL					
Collection Date :																		
Dilution Factor :	10.0			10.0			5.0			4.0			10.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Dichlorodifluoromethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Chloromethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Vinyl chloride	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Bromomethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Chloroethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Trichlorofluoromethane	37D			23D			9.1D			11D			5.0U	U				
1,1-Dichloroethene	69D			26D			12D			6.0D			8.6D					
1,1,2-Trichloro-1,2,2-trifluoro	86D			55D			18D			23D			5.0U	U				
Acetone	50U	U		50U	U		25U	U		20U	U		50U	U				
Carbon disulfide	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Methyl acetate	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Methylene chloride	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
trans-1,2-Dichloroethene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Methyl tert-butyl ether	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,1-Dichloroethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
cis-1,2-Dichloroethene	11D			5.0U	U		2.5U	U		2.0U	U		110D					
2-Butanone	50U	U		50U	U		25U	U		20U	U		50U	U				
Bromochloromethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Chloroform	11D			5.0U	U		1.3JD	J		1.0JD	J		5.0U	U				
1,1,1-Trichloroethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Cyclohexane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Carbon tetrachloride	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Benzene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,2-Dichloroethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Trichloroethene	130D			6.3D			2.4JD	J		2.1D			21D					
Methylcyclohexane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZG1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZG2DL			Y4ZG3DL			Y4ZG4DL			Y4ZG6DL			Y4ZG8DL					
Collection Date :																		
Dilution Factor :	10.0			10.0			5.0			4.0			10.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,2-Dichloropropane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Bromodichloromethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
cis-1,3-Dichloropropene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
4-Methyl-2-Pentanone	50U	U		50U	U		25U	U		20U	U		50U	U				
Toluene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
trans-1,3-Dichloropropene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,1,2-Trichloroethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Tetrachloroethene	100D			33D			55D			9.5D			5.0U	U				
2-Hexanone	50U	U		50U	U		25U	U		20U	U		50U	U				
Dibromochloromethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,2-Dibromoethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Chlorobenzene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Ethylbenzene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
o-Xylene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
m,p-Xylene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Styrene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Bromoform	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Isopropylbenzene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,1,2,2-Tetrachloroethane	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,3-Dichlorobenzene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,4-Dichlorobenzene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,2-Dichlorobenzene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,2-Dibromo-3-chloropropan	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,2,4-Trichlorobenzene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
1,2,3-Trichlorobenzene	5.0U	U		5.0U	U		2.5U	U		2.0U	U		5.0U	U				
Vinyl chloride-d3	3.7			3.6			3.6			3.5			3.6					

ANALYTICAL RESULTS
Table 1A

Case No. : 38845 SDG No. : Y4ZG1
Site : OMEGA CHEMICAL CORPORATION
Lab : ALS DataChem
Reviewer :
Date :

QUALIFIED DATA
Concentration in ug/L

Analysis Type : Trace Level Water Samples for Trace Volatiles

Station Location :																		
Sample ID :	Y4ZG2DL			Y4ZG3DL			Y4ZG4DL			Y4ZG6DL			Y4ZG8DL					
Collection Date :																		
Dilution Factor :	10.0			10.0			5.0			4.0			10.0					
Trace Volatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
Chloroethane-d5	4.9			4.8			4.8			4.7			4.7					
1,1-Dichloroethene-d2	5.0			3.9			3.9			3.6			3.5					
2-Butanone-d5	32			33			34			38			35					
Chloroform-d	4.8			4.7			4.8			4.8			4.8					
1,2-Dichloroethane-d4	4.7			4.8			4.8			5.0			4.8					
Benzene-d6	4.8			4.8			4.8			4.8			4.8					
1,2-Dichloropropane-d6	4.5			4.6			4.6			4.7			4.6					
Toluene-d8	5.0			5.0			4.9			4.9			5.0					
trans-1,3-Dichloropropene-d4	5.0			5.0			5.1			5.2			5.0					
2-Hexanone-d5	36			38			38			43			38					
1,1,2,2-Tetrachloroethane-d2	5.1			5.2			5.3			5.7			5.4					
1,2-Dichlorobenzene-d4	5.0			4.9			4.9			4.8			4.6					

Percent Solids

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. : 38845 SDG No. : Y4ZG1

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	57			58			59			60			61			62		
Sample ID :	Y4ZG1			Y4ZG2			Y4ZG3			Y4ZG4			Y4ZG5			Y4ZG6		
Collection Date :	9/11/2009			9/14/2009			9/14/2009			9/14/2009			9/14/2009			9/14/2009		
Dilution Factor :	1.0			1.0			1.0			1.0			1.0			1.0		
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	3.1			3.8			0.91J	J		0.57J	J		2.0U	U		0.18J	J	

Percent Solids

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. : 38845 SDG No. : Y4ZG1

Site : OMEGA CHEMICAL CORPORATION

Lab : ALS DataChem

Reviewer :

Date :

QUALIFIED DATA

Concentration in ug/L

Analysis Type : Low Level Water Samples for Semivolatiles

Station Location :	63			64			65			66			69					
Sample ID :	Y4ZG7			Y4ZG8			Y4ZG9			Y4ZH0			Y4ZH1			CRQL		
Collection Date :	9/14/2009			9/14/2009			9/14/2009			9/14/2009			9/16/2009					
Dilution Factor :	1.0			1.0			1.0			1.0			1.0					
Semivolatiles	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**	**Result**	**Val**	**Com**
1,4-Dioxane	0.22J	J		2.0U	U		2.0U	U		2.0U	U		8.2			2.0		

Percent Solids

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

Appendix G
Data Quality Assessment
(on CD only)

APPENDIX G

Data Validation Reports

APPENDIX G-1

Trace Volatiles

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300 Fax: (510) 412-2304

MEMORANDUM

TO: *Chris Lichens, Remedial Project Manager*
Site Cleanup Section 4, SFD-7-4

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00105132

DATE: *May 9, 2008*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*37203*
SDG No.:	*Y3WK7*
Laboratory:	*Mitkem Laboratories (MITKEM)*
Analysis:	*Trace Volatiles*
Samples:	*20 Groundwater Samples (see Case Summary)*
Collection Date:	*February 28 and 29, 2008 and March 3, 2008*
Reviewer:	*Kendra DeSantolo, ESAT/Laboratory Data Consultants*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: *Jennie Han-Liu, CLP PO USEPA Region 1*
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No

Case No.: *37203*
SDG No.: *Y3WK7*
Site: *Omega Chem OU2*
Laboratory: *Mitkem Laboratories*
Reviewer: *Kendra DeSantolo, ESAT/LDC*
Date: *May 9, 2008*

I. Case Summary

Sample Information

Samples:	*Y3WK7 through Y3WM6*
Concentration and Matrix:	*Low/Medium Concentration Water*
Analysis:	*Trace Volatiles*
SOW:	*SOM01.2*
Collection Date:	*February 28 and 29, 2008 and March 3, 2008*
Sample Receipt Date:	*February 29, 2008 and March 1 and 4, 2008*
Extraction Date:	*Not Applicable*
Analysis Date:	*March 5, 6, 7, and 10, 2008*

Field QC

Field Blanks (FB):	*Y3WM6*
Equipment Blanks (EB):	*Not provided*
Trip Blank (TB):	*Y3WL7*
Background Samples (BG):	*Not provided*
Field Duplicates (D1):	*Y3WL2 and Y3WL3*
Field Duplicates (D2):	*Y3WM4 and Y3WM5*

Laboratory QC

Method Blanks & Associated Samples:

VBLK5T:	*Y3WK7, Y3WK8, Y3WL1 through Y3WL3, Y3WL5, and Y3WL6*
VBLK5U:	*Y3WK7DL, Y3WK8DL, Y3WK9, Y3WL0, Y3WL1DL, Y3WL2DL, Y3WL3DL, Y3WL4, Y3WL5DL, Y3WL6DL, and Y3WL7*
VBLK5W:	*Y3WL8, Y3WL9, Y3WM0, Y3WM1, Y3WM3, Y3WM3MS, Y3WM3MSD, Y3WM4, Y3WM5, and Y3WM6*
VBLK5X:	*Y3WM2*
VBLKB5:	*Y3WM4DL and Y3WM5DL*
VBLKC5:	*storage blank VHBLKC5*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review
2: Calibration Summary

CLP PO Action

None.

CLP PO Attention

1. Detected results for some analytes are qualified as nondetected and estimated (U,J) due to method blank and field blank contamination (see Comment B).

2. Results for some analytes are qualified as estimated (J) due to calibration problems (see Comments C and D).

3. Results for some analytes are qualified as estimated (J) due to deuterated monitoring compound (DMC) recovery problems (see Comment E).

4. Detected result for trans-1,2-dichloroethene in sample Y3WK7 is qualified as estimated (J) due to concentration exceeding calibration range (see Comment F).

Sampling Issues

Detected results for chloroform in samples Y3WM3, Y3WM4, and Y3WM5 are qualified as nondetected and estimated (U,J) due to field blank contamination (see Comment B).

Additional Comments

Other than a laboratory artifact (approximate retention time of 7.1 minutes), tentatively identified compounds (TICs) were found in samples Y3WK8 and Y3WL9 (see attached Form 1Js).

This report was prepared in accordance with the following documents:

- ESAT Region 9 Standard Operating Procedure 901, *Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages*;

- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration,* SOM01.1, May 2005;

- *Modifications Updating SOM01.1 to SOM01.2,* Amended April 11, 2007; and

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, July 2007.

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
1.	*Holding Time/Preservation*	*Yes*	
2.	*GC/MS Tune/GC Performance*	*Yes*	
3.	*Initial Calibration*	*No*	*C*
4.	*Continuing Calibration Verification*	*No*	*C, D*
5.	*Laboratory Blanks*	*No*	*B*
6.	*Field Blanks*	*Yes*	
7.	*Deuterated Monitoring Compounds*	*No*	*E*
8.	*Matrix Spike/Matrix Spike Duplicate*	*No*	*G*
9.	*Laboratory Control Sample/Duplicate*	*N/A*	
10.	*Internal Standards*	*Yes*	
11.	*Compound Identification*	*Yes*	
12.	COMPOUND QUANTITATION	YES	A, F, H
13.	SYSTEM PERFORMANCE	YES	
14.	*Field Duplicate Sample Analysis*	*Yes*	

N/A = Not Applicable

III. Validity AND Comments

A. *The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.*

- All detected results below the contract required quantitation limits

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. *The following results are qualified as nondetected and estimated due to method blank and field blank contamination and are flagged "U,J" in Table 1A.*

- Methylene chloride in field blank Y3WM6
- Chloroform in samples Y3WM3 through Y3WM5

Methylene chloride was found in method blanks VBLK5W and VBLK5X and chloroform was found in field blank Y3WM6 (see Table 1A for concentrations). Results for the samples listed above are considered nondetected and estimated (U,J) and quantitation limits have been raised according to blank qualification rules presented below.

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the CRQL, the quantitation limit is raised to the sample result and reported as nondetected. If the sample result is less than the CRQL, the result is reported as nondetected at the CRQL.

A laboratory method blank is laboratory reagent water or baked sand analyzed with all reagents, deuterated monitoring compounds, and internal standards and carried through the same sample preparation and analytical procedures as the field samples. The laboratory method blank is used to determine the level of contamination introduced by the laboratory during analysis.

A field blank is clean water prepared as a sample in the field by the sampler and shipped to the laboratory with the samples. A field blank is intended to detect contaminants that may have been introduced in the field, although any laboratory introduced contamination will be present. Contaminants that are found in the field blank which are absent in the laboratory method blank could be indicative of a field QC problem, a deficiency in the bottle preparation procedure, a difference in preparation of the laboratory and field blanks, or other indeterminate error.

C. *Results for the following analytes are qualified as estimated due to low RRFs in initial calibration and continuing calibration verifications (CCVs) and are flagged "J" in Table 1A.*

- *Acetone and 1,2-dibromo-3-chloropropane in all samples, all method blanks, and storage blank VHBLKC5*
- *2-Butanone in samples Y3WK9, Y3WL0, Y3WL4, and Y3WL7 through Y3WM6; method blanks VBLK5U, VBLK5W, VBLK5X, VBLKB5, and VBLKC5; and storage blank VHBLKC5*

An average RRF of 0.026 was reported for acetone in the initial calibration. RRFs were below the 0.05 validation criterion for acetone, 2-butanone, and 1,2-dibromo-3-chloropropane in CCVs (see Table 2).

Detected results for the analytes listed above may be biased low and should be considered as the minimum concentrations at which these analytes are present in the samples. Where results are nondetected, false negatives may exist.

DMCs 2-butanone-d5 and 2-hexanone-d5 also had RRFs below the 0.05 validation criterion in the initial calibration and CCVs (see Table 2). Quantitation of the analytes associated with these DMCs may have been affected by low RRFs (see attached Table 9 from the Functional Guidelines).

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

D. Results for the following analyte are qualified as estimated due to large percent difference (%D) in the CCV and are flagged "J" in Table 1A.

- *1,1-Dichloroethene in samples Y3WK7, Y3WK8, Y3WL1 through Y3WL3, Y3WL5, and Y3WL6 and method blank VBLK5T*

The %D exceeded the ±30.0% validation criterion for 1,1-dichloroethene in the 03/05/08 CCV (see Table 2).
The DMC 1,1-dichloroethene-d2 also had %Ds that exceeded the ±30.0% validation criterion in CCVs. Quantitation of the analytes associated with this DMC may have been affected by high %Ds (see attached Table 9 from the Functional Guidelines).

The continuing calibration checks the instrument performance daily and produces the relative response factors (RRFs) for target analytes that are used for quantitation.

E. Results for the following analytes are qualified as estimated due to DMC recoveries outside QC limits and are flagged "J" in Table 1A.

{Chloroethane-d5}
- Dichlorodifluoromethane, chloromethane, bromomethane, chloroethane, and carbon disulfide in samples Y3WK7, Y3WL2, and Y3WL9

{1,1-Dichloroethene-d2}
- trans-1,2-Dichloroethene and cis-1,2-dichloroethene in samples Y3WK7, Y3WK8, Y3WL1, and Y3WL2
- cis-1,2-Dichloroethene in sample Y3WL3
- 1,1-Dichloroethene and cis-1,2-dichloroethene in samples Y3WL6, Y3WM4, and Y3WM5

DMC recoveries outside QC limits are shown below.

Sample	*DMC*	*% Recovery*	*QC Limit*
Y3WK7	*Chloroethane-d5*	*71*	*71-131*
Y3WL2	*Chloroethane-d5*	*67*	*71-131*
Y3WL9	*Chloroethane-d5*	*69*	*71-131*
Y3WK7	*1,1-Dichloroethene-d2*	*2302*	*55-104*
Y3WK8	*1,1-Dichloroethene-d2*	*1017*	*55-104*
Y3WL1	*1,1-Dichloroethene-d2*	*278*	*55-104*
Y3WL2	*1,1-Dichloroethene-d2*	*217*	*55-104*
Y3WL3	*1,1-Dichloroethene-d2*	*219*	*55-104*
Y3WL6	*1,1-Dichloroethene-d2*	*166*	*55-104*
Y3WM3MS	*1,1-Dichloroethene-d2*	*139*	*55-104*
Y3WM3MSD	*1,1-Dichloroethene-d2*	*144*	*55-104*
Y3WM4	*1,1-Dichloroethene-d2*	*182*	*55-104*
Y3WM5	*1,1-Dichloroethene-d2*	*210*	*55-104*
Y3WK7	*Chloroform-d*	*170*	*78-121*
Y3WK8	*Chloroform-d*	*125*	*78-121*

Detected results for affected analytes where DMC recoveries fell below QC limits may be biased low; where results are nondetected, false negatives may exist. Detected results for affected analytes where DMC recoveries exceeded QC limits may be biased high. For DMC recoveries that exceeded QC limits, only detected results for associated analytes are qualified. The very high recoveries for DMC 1,1-dichloroethene-d2 in samples Y3WK7 and Y3WK8 are due to high concentrations of 1,1-dichloroethene present in samples. Recoveries for the DMC chloroform-d exceeded QC limits but detected results for chloroform were reported from the dilutions. The samples were not reanalyzed.

Surrogates (e.g., deuterated monitoring compounds (DMCs)) are organic compounds which are similar to the target analytes in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples. All samples are spiked with DMCs prior to purging. DMCs provide information about both the laboratory performance on individual samples and the possible effects of the sample matrix on the analytical results.

F. *Detected result for the following analyte is qualified as estimated due to concentration exceeding the calibration range and is flagged "J" in Table 1A.*

- *trans-1,2-Dichloroethene in sample Y3WK7*

The concentration of trans-1,2-dichloroethene in sample Y3WK7 was 56 μg/L. This value exceeds the 0.5-20 μg/L calibration range. The laboratory reanalyzed sample Y3WK7 at a 80-fold dilution but trans-1,2-dichloroethene was diluted out (40U).

The result reported in Table 1A for trans-1,2-dichloroethene in sample Y3WK7 is from the undiluted analysis. This concentration is considered to be qualitatively acceptable but quantitatively questionable and should be considered as the minimum concentration at which the analyte is present in sample.

G. *The matrix spike/matrix spike duplicate relative percent difference (RPD) for benzene (13%) in QC samples Y3WM3MS and Y3WM3MSD did not meet the criterion for precision (≤11%) specified in the SOW.*

Results obtained may indicate poor laboratory technique or matrix effects which may interfere with analysis. The effect on data quality is not known.

Matrix spike sample analysis provides information about the effect of the sample matrix on sample preparation and measurement.

H. Samples Y3WK7 and Y3WK8 were reanalyzed at 80-fold and 20-fold dilutions, respectively, due to high levels of trichlorofluoromethane, 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoromethane, chloroform, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in samples Y3WK7 and Y3WK8 are reported from the diluted analyses in Table 1A; results for other analytes are reported from the undiluted analyses.

Sample Y3WL1 was reanalyzed at a 10-fold dilution due to high levels of trichlorofluoromethane, 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoromethane, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y3WL1 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Samples Y3WL2 and Y3WL3 were reanalyzed at 10-fold dilutions due to high levels of 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoromethane, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in samples Y3WL2 and Y3WL3 are reported from the diluted analyses in Table 1A; results for other analytes are reported from the undiluted analyses.

Sample Y3WL5 was reanalyzed at a 4-fold dilution due to a high level of trichloroethene that exceeded the calibration range. The result for trichloroethene in sample Y3WL5 is reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Samples Y3WL6, Y3WM4, and Y3WM5 were reanalyzed at 8-, 4-, and 4-fold dilutions, respectively, due to high levels of trichloroethene and tetrachloroethene that exceeded the calibration range. Results for these analytes in samples Y3WL6, Y3WM4, and Y3WM5 are reported from the diluted analyses in Table 1A; results for other analytes are reported from the undiluted analyses.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," January 2005.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

Table 2
Calibration Summary

Case No.: *37203*
SDG No.: *Y3WK7*
Site: *Omega Chem OU2*
Laboratory: *Mitkem Laboratories*
Reviewer: *Kendra DeSantolo, ESAT/LDC*
Date: *May 9, 2008*

RELATIVE RESPONSE FACTORS (RRF)

		RRF	RRF	RRF	RRF	RRF
Analysis date:		*2/29/08*	*3/05/08*	*3/05/08*	*3/06/08*	*3/06/08*
Analysis time:		*21:00-*	*06:20*	*17:54*	*05:21*	*17:09*
GC/MS I.D.:		*V5*	*V5*	*V5*	*V5*	*V5*
Analyte		*Init.*	*Cont.*	*Cont.*	*Cont.*	*Cont.*
Acetone		*0.026*	*0.021*	*0.021*	*0.020*	*0.020*
2-Butanone		*------*	*------*	*-----*	*0.042*	*0.048*
1,2-dibromo-3-chloropropane		*0.034*	*0.034*	*0.030*	*0.026*	*0.038*
2-Butanone-d5		*------*	*------*	*------*	*0.049*	*------*
2-Hexanone-d5	*0.047*	*0.048*	*------*	*0.041*	*------*	

		RRF	RRF	RRF	RRF	RRF
Analysis date:		*3/07/08*	*3/07/08*	*3/10/08*	*3/10/08*	*3/11/08*
Analysis time:		*04:01*	*15:34*	*9:53*	*21:30*	*08:53*
GC/MS I.D.:		*V5*	*V5*	*V5*	*V5*	*V5*
Analyte		*Cont.*	*Cont.*	*Cont.*	*Cont.*	*Cont.*
Acetone		*0.017*	*0.020*	*0.029*	*0.017*	*0.019*
2-Butanone		*0.041*	*0.046*	*------*	*0.036*	*0.048*
1,2-dibromo-3-chloropropane		*0.032*	*0.034*	*0.038*	*0.030*	*0.033*
2-Butanone-d5		*0.044*	*------*	*------*	*0.043*	*------*
2-Hexanone-d5	*0.037*	*0.046*	*0.044*	*0.038*	*0.045*	

PERCENT DIFFERENCES (%D)

		%D	%D
Analysis date:		*3/05/08*	*3/10/08*
Analysis time:		*06:20*	*09:53*
GC/MS I.D.:		*V5*	*V5*
Analyte		*Cont.*	*Cont.*
1,1-Dichloroethene	*+38.6*	*-----*	
2-Butanone-d5		*+36.9*	*+32.2*

ASSOCIATED SAMPLES AND METHOD BLANKS

Initial 02/29/08: All samples, method blanks, and storage blank VHBLKC5
Cont., 03/05/08 (06:20): Y3WK7, Y3WK8, Y3WL1 through Y3WL3, Y3WL5, and Y3WL6 and VBLK5T
Cont., 03/05/08 (17:54): Closing standard for Y3WK7, Y3WK8, Y3WL1 THROUGH Y3WL3, Y3WL5, Y3WL6 and VBLK5T; opening standard for Y3WK7DL, Y3WK8DL, Y3WK9, Y3WL0, Y3WL1DL, Y3WL2DL, Y3WL3DL, Y3WL4, Y3WL5DL, Y3WL6DL, Y3WL7 and VBLK5U
Cont., 03/06/08 (05:21): Closing standard for Y3WK7DL, Y3WK8DL, Y3WK9, Y3WL0, Y3WL1DL, Y3WL2DL, Y3WL3DL, Y3WL4, Y3WL5DL, Y3WL6DL, Y3WL7 and VBLK5U
Cont., 03/06/08 (17:09): Y3WL8, Y3WL9, Y3WM0, Y3WM1, Y3WM3, Y3WM3MS, Y3WM3MSD, Y3WM4, Y3WM5, Y3WM6, and VBLK5W
Cont., 03/07/08 (04:01): Closing standard for Y3WL8, Y3WL9, Y3WM0, Y3WM1, Y3WM3, Y3WM3MS, Y3WM3MSD, Y3WM4, Y3WM5, Y3WM6, and VBLK5W; opening standard for Y3WM2 and VBLK5X
Cont., 03/07/08 (15:34): Closing standard for Y3WM2 and VBLK5X
Cont., 03/10/08 (09:53):Y3WM4DL, Y3WM5DL, and VBLKB5
Cont., 03/10/08 (21:30): Closing standard for Y3WM4DL, Y3WM5DL, and VBLKB5; opening standard for storage blank VHBLKC5 and VBLKC5
Cont., 03/11/08 (08:53): Closing standard for storage blank VHBLKC5 and VBLKC5.

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300 Fax: (510) 412-2304

MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405051

DATE: *May 4, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38274*
SDG No.:	*Y4N51*
Laboratory:	*Mitkem Laboratories (MITKEM)*
Analysis:	*Trace Volatiles*
Samples:	*20 Ground Water Samples (see Case Summary)*
Collection Date:	*March 2 through 5, 2009*
Reviewer:	*April Martinez, ESAT/Laboratory Data Consultants*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: *Jennie Han-Liu, CLP PO USEPA Region 1*
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No

Case No.: *38274*
SDG No.: *Y4N51*
Site: *Omega Chem OU2*
Laboratory: *Mitkem Laboratories (MITKEM)*
Reviewer: *April Martinez, ESAT/LDC*
Date: *May 4, 2009*

I. Case Summary

Sample Information

Samples:	*Y4N51 through Y4N53, Y4N55 through Y4N70, and Y4N73*
Concentration and Matrix:	*Low/Medium Concentration Water*
Analysis:	*Trace Volatiles*
SOW:	*SOM01.2*
Collection Date:	*March 2 through 5, 2009*
Sample Receipt Date:	*March 3 through 6, 2009*
Extraction Date:	*Not Applicable*
Analysis Date:	*March 5, 9, 10, 12, and 13, 2009*

Field QC

Field Blanks (FB):	*Y4N63, Y4N67, and Y4N79 (in SDG Y4N71)*
Equipment Blanks (EB):	*Not provided*
Trip Blank (TB):	*Not provided*
Background Samples (BG):	*Not provided*
Field Duplicates (D1):	*Y4N60 and Y4N61*

Laboratory QC

Method Blanks & Associated Samples:

VBLK5Q:	*Y4N51, Y4N52*
VBLK5S:	*Y4N53, Y4N55, Y4N56*
VBLK5T:	*Y4N57 through Y4N70*
VBLK5U:	*Y4N73, Y4N73MS, and Y4N73MSD*
VBLKB5:	*Y4N57DL through Y4N62DL, Y4N65DL, Y4N66DL, Y4N68DL through Y4N70DL, Y4N73DL*
VBLKC5:	*Y4N64DL and storage blank VHBLKC5*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review
2: Calibration Summary

CLP PO Action

None.

CLP PO Attention

5. Detected results for chloroform in samples Y4N57 through Y4N62 and Y4N66 are qualified as nondetected and estimated (U,J) due to field blank contamination (see Comment B).

6. Results for some analytes are qualified as estimated (J) due to calibration problems (see Comments C and D).

7. Results for some analytes are qualified as estimated (J) due to deuterated monitoring compound (DMC) recovery problems (see Comment E).

8. Results for some analytes in samples Y4N57, Y4N58, Y4N59, Y4N61, Y4N64, and Y4N66 are qualified as estimated (J) due to internal standard (IS) area problems (see Comment F).

Sampling Issues

Detected results for chloroform in samples Y4N57 through Y4N62 and Y4N66 are qualified as nondetected and estimated (U,J) due to field blank contamination (see Comment B).

Additional Comments

Other than a laboratory artifact (approximate retention time of 6.9 minutes), tentatively identified compounds (TICs) were found in samples Y4N57, Y4N64, Y4N68, Y4N70, and Y4N73 (see attached Form 1Js).

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, July 2007.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
15.	*Holding Time/Preservation*	*Yes*	
16.	*GC/MS Tune/GC Performance*	*Yes*	
17.	*Initial Calibration*	*No*	*C*
18.	*Continuing Calibration Verification*	*No*	*C, D*
19.	*Laboratory Blanks*	*No*	*B*
20.	*Field Blanks*	*No*	*B*
21.	*Deuterated Monitoring Compounds*	*No*	*E*
22.	*Matrix Spike/Matrix Spike Duplicate*	*No*	*G*
23.	*Laboratory Control Sample/Duplicate*	*N/A*	
24.	*Internal Standards*	*No*	*F*
25.	*Compound Identification*	*Yes*	
26.	COMPOUND QUANTITATION	YES	A, H, I
27.	SYSTEM PERFORMANCE	YES	
28.	*Field Duplicate Sample Analysis*	*Yes*	

N/A = Not Applicable

III. Validity AND Comments

A. *The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.*

- *All detected results below the contract required quantitation limits*

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. *The following results are qualified as nondetected and estimated due to method blank and field blank contamination and are flagged "U,J" in Table 1A.*

- *Methylene chloride in storage blank VHBLKC5*
- *Chloroform in samples Y4N55, Y4N57 through Y4N62, Y4N66, and Y4N68*

Methylene chloride was found in method blanks VBLK5S, VBLK5T, VBLK5U, and VBLKC5 and chloroform was found in field blanks Y4N63, Y4N67, and Y4N79 (see Table 1A for concentrations). Results for the samples listed above are considered nondetected and estimated (U,J) and quantitation limits have been raised according to blank qualification rules presented below.

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the CRQL, the quantitation limit is raised to the sample result and reported as nondetected. If the sample result is less than the CRQL, the result is reported as nondetected at the CRQL.

A laboratory method blank is laboratory reagent water or baked sand analyzed with all reagents, deuterated monitoring compounds, and internal standards and carried through the same sample preparation and analytical procedures as the field samples. The laboratory method blank is used to determine the level of contamination introduced by the laboratory during analysis.

A field blank is clean water prepared as a sample in the field by the sampler and shipped to the laboratory with the samples. A field blank is intended to detect contaminants that may have been introduced in the field, although any laboratory-introduced contamination will be present. Contaminants that are found in the field blank which are absent in the laboratory method blank could be indicative of a field QC problem, a deficiency in the bottle preparation procedure, a difference in preparation of the laboratory and field blanks, or other indeterminate error.

C. *Results for the following analyte are qualified as estimated due to low RRFs in initial calibration and continuing calibration verifications (CCVs) and are flagged "J" in Table 1A.*

- *2-Butanone in samples Y4N53, Y4N55 through Y4N70, and Y4N73 and method blanks VBLK5S, VBLK5T, and VBLK5U*

RRFs were below the 0.05 validation criterion for 2-butanone in CCVs (see Table 2). Since results are nondetected, false negatives may exist.

DMCs 2-butanone-d5 and 2-hexanone-d5 also had RRFs below the 0.05 validation criterion in the initial calibration and CCVs (see Table 2). Quantitation of the analytes associated with these DMCs may have been affected by low RRFs (see attached Table 9 from the Functional Guidelines).

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

D. *Results for the following analyte are qualified as estimated due to a large percent difference (%D) in the CCV and are flagged "J" in Table 1A.*

- *Bromomethane in method blank VBLKC5 and storage blank VHBLKC5*

A %D of +31.6% was reported for bromomethane in the 03/13/09 09:03 CCV, which exceeded the ±30.0% validation criterion for opening CCVs.

The continuing calibration checks the instrument performance daily and produces the relative response factors (RRFs) for target analytes that are used for quantitation.

E. *Results for the following analytes are qualified as estimated due to DMC recoveries outside QC limits and are flagged "J" in Table 1A.*

{Chloroethane-d5}

- *Dichlorodifluoromethane, chloromethane, bromomethane, chloroethane, and carbon disulfide in sample Y4N51*

{1,1-Dichloroethene-d2}

- *1,1-Dichloroethene and cis-1,2-dichloroethene in samples Y4N57 through Y4N62, Y4N66, Y4N69, and Y4N73*
- *1,1-Dichloroethene, trans-1,2-dichloroethene and cis-1,2-dichloroethene in samples Y4N64 and Y4N65*
- *1,1-Dichloroethene in samples Y4N68 and Y4N70*

{Chloroform-d}

- *1,1-Dichloroethane in sample Y4N64*

{Benzene-d6}

- *Benzene in sample Y4N64*

{Toluene-d8}

- *Trichloroethene in sample Y4N66*

DMC recoveries outside QC limits are shown below.

Sample	*DMC*	*% Recovery*	*QC Limit*
Y4N 57	*Vinyl chloride-d3*	*140*	*65-131*
Y4N 58	*Vinyl chloride-d3*	*145*	*65-131*
Y4N 59	*Vinyl chloride-d3*	*138*	*65-131*
Y4N 60	*Vinyl chloride-d3*	*132*	*65-131*
Y4N 61	*Vinyl chloride-d3*	*135*	*65-131*
Y4N 62	*Vinyl chloride-d3*	*134*	*65-131*
Y4N 63	*Vinyl chloride-d3*	*144*	*65-131*
Y4N 64	*Vinyl chloride-d3*	*139*	*65-131*
Y4N 65	*Vinyl chloride-d3*	*132*	*65-131*
Y4N 66	*Vinyl chloride-d3*	*131*	*65-131*
Y4N 67	*Vinyl chloride-d3*	*133*	*65-131*
Y4N 68	*Vinyl chloride-d3*	*132*	*65-131*
Y4N 69	*Vinyl chloride-d3*	*139*	*65-131*
Y4N 73	*Vinyl chloride-d3*	*135*	*65-131*
Y4N 73MSD	*Vinyl chloride-d3*	*136*	*65-131*
Y4N57DL	*Vinyl chloride-d3*	*149*	*65-131*
Y4N 58DL	*Vinyl chloride-d3*	*157*	*65-131*
Y4N59DL	*Vinyl chloride-d3*	*155*	*65-131*
Y4N 60DL	*Vinyl chloride-d3*	*160*	*65-131*
Y4N 61DL	*Vinyl chloride-d3*	*161*	*65-131*
Sample	*DMC*	*% Recovery*	*QC Limit*
Y4N 62DL	*Vinyl chloride-d3*	*158*	*65-131*
Y4N 65DL	*Vinyl chloride-d3*	*171*	*65-131*
Y4N 66DL	*Vinyl chloride-d3*	*170*	*65-131*
Y4N 68DL	*Vinyl chloride-d3*	*170*	*65-131*
Y4N 69DL	*Vinyl chloride-d3*	*172*	*65-131*
Y4N 70DL	*Vinyl chloride-d3*	*168*	*65-131*
Y4N 73DL	*Vinyl chloride-d3*	*159*	*65-131*
Y4N 64DL	*Vinyl chloride-d3*	*172*	*65-131*
Y4N51	*Chloroethane-d5*	*65*	*71-131*
Y4N51	*1,1-Dichloroethene-d2*	*106*	*55-104*
Y4N52	*1,1-Dichloroethene-d2*	*109*	*55-104*
Y4N57	*1,1-Dichloroethene-d2*	*116*	*55-104*

Y4N58	*1,1-Dichloroethene-d2*		*132*	*55-104*
Y4N59	*1,1-Dichloroethene-d2*		*120*	*55-104*
Y4N60	*1,1-Dichloroethene-d2*		*118*	*55-104*
Y4N61	*1,1-Dichloroethene-d2*		*112*	*55-104*
Y4N62	*1,1-Dichloroethene-d2*		*127*	*55-104*
Y4N63	*1,1-Dichloroethene-d2*		*121*	*55-104*
Y4N64	*1,1-Dichloroethene-d2*		*113*	*55-104*
Y4N65	*1,1-Dichloroethene-d2*		*117*	*55-104*
Y4N66	*1,1-Dichloroethene-d2*		*124*	*55-104*
Y4N67	*1,1-Dichloroethene-d2*		*117*	*55-104*
Y4N68	*1,1-Dichloroethene-d2*		*128*	*55-104*
Y4N69	*1,1-Dichloroethene-d2*		*120*	*55-104*
Y4N 73	*1,1-Dichloroethene-d2*		*129*	*55-104*
Y4N 73MS	*1,1-Dichloroethene-d2*		*122*	*55-104*
Y4N 73MSD	*1,1-Dichloroethene-d2*		*129*	*55-104*
Y4N 58DL	*1,1-Dichloroethene-d2*		*112*	*55-104*
Y4N 59DL	*1,1-Dichloroethene-d2*		*108*	*55-104*
Y4N60DL	*1,1-Dichloroethene-d2*	*112*	*55-104*	
Y4N61DL	*1,1-Dichloroethene-d2*	*117*	*55-104*	
Y4N62DL	*1,1-Dichloroethene-d2*	*114*	*55-104*	
Y4N65DL	*1,1-Dichloroethene-d2*	*115*	*55-104*	
Y4N66DL	*1,1-Dichloroethene-d2*	*117*	*55-104*	
Y4N68DL	*1,1-Dichloroethene-d2*	*122*	*55-104*	
Y4N69DL	*1,1-Dichloroethene-d2*	*123*	*55-104*	
Y4N70DL	*1,1-Dichloroethene-d2*	*122*	*55-104*	
Y4N73DL	*1,1-Dichloroethene-d2*	*113*	*55-104*	
Y4N64DL	*1,1-Dichloroethene-d2*	*131*	*55-104*	
Y4N64	*Chloroform-d*		*125*	*78-121*
Y4N58	*Benzene-d6*		*129*	*77-124*
Y4N62	*Benzene-d6*		*129*	*77-124*
Y4N64	*Benzene-d6*		*231*	*77-124*
Y4N65	*Benzene-d6*		*143*	*77-124*
Y4N66	*Benzene-d6*		*131*	*77-124*
Y4N70	*Benzene-d6*		*135*	*77-124*
Sample	*DMC*	*% Recovery*		*QC Limit*
Y4N73	*Benzene-d6*		*124*	*77-124*
Y4N64	*1,2-Dichloropropane-d6*	*156*	*79-124*	
Y4N64	*Toluene-d8*		*195*	*77-121*
Y4N65	*Toluene-d8*		*123*	*77-121*
Y4N66	*Toluene-d8*		*126*	*77-121*
Y4N70	*Toluene-d8*		*122*	*77-121*
Y4N64	*trans-1,3-Dichloropropene-d4*		*153*	*73-121*
Y4N64	*1,1,2,2-Trichloroethane-d2*	*128*	*73-125*	

Detected results for affected analytes where DMC recoveries fell below QC limits may be biased low; where results are nondetected, false negatives may exist. Detected results for affected analytes where DMC recoveries exceeded QC limits may be biased high. For DMC recoveries that exceeded QC limits, only detected results for associated analytes are qualified. Recoveries for DMCs vinyl chloride-d3, 1,2-dichloropropane-d6, trans-1,3-dichloropropene-d4, and 1,1,2,2-tetrachloroethane-d2 exceeded QC limits but associated sample results were not qualified because they were nondetects. The samples were not reanalyzed undiluted.

Surrogates (e.g., deuterated monitoring compounds (DMCs)) are organic compounds which are similar to the target analytes in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples. All samples are spiked with DMCs prior to purging. DMCs provide information about both the laboratory performance on individual samples and the possible effects of the sample matrix on the analytical results.

F. Results for the following analytes are qualified as estimated due to low internal standard (IS) areas and are flagged "J" in Table 1A.

- *All analytes except trichloroethene in sample Y4N58*
- *All analytes except tetrachloroethene in sample Y4N59*

{Chlorobenzene-d5}

- *1,1,1-Trichloroethane, cyclohexane, carbon tetrachloride, benzene, , methylcyclohexane, 1,2-dichloropropane, bromodichloromethane, cis-1,3-dichloropropane, 4-methyl-2-pentanone, toluene, trans-1,3-dichloropropene, 1,1,2-trichloroethane, 2-hexanone, dibromochloromethane, 1,2-dibromoethane, chlorobenzene, ethylbenzene, o-xylene, m,p-xylenes, styrene, isopropylbenzene, and 1,1,2,2-tetrachloroethane in sample Y4N64*

{1,4-Dichlorobenzene-d4}

- *Bromoform, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene in samples Y4N57, Y4N61, Y4N64, and Y4N66*

IS areas outside QC limits are shown below.

Sample	Internal Standard	Area	QC Limit
Y4N57	1,4-Dichlorobenzene-d_4	37738	44804-104544
Y4N58	1,4-Dichlorobenzene-d_4	32311	44804-104544
Y4N58	1,4-Difluorobenzene	149475	154276-359978
Y4N58	Chlorobenzene-d5	86241	100090-233542
Y4N59	1,4-Dichlorobenzene-d4	31822	44804-104544
Y4N59	1,4-Difluorobenzene	149179	154276-359978
Y4N59	Chlorobenzene-d5	84195	100090-233542
Y4N61	1,4-Dichlorobenzene-d4	43896	44804-104544
Y4N64	1,4-Dichlorobenzene-d4	36159	44804-104544
Y4N64	Chlorobenzene-d5	55034	100090-233542
Y4N66	1,4-Dichlorobenzene-d4	40644	44804-104544

Detected results and quantitation limits for the affected analytes are considered quantitatively questionable. Where results are nondetected, false negatives may exist. The samples were not reanalyzed undiluted.

Internal standards, introduced into every calibration standard, blank, sample, and QC sample, monitor changes in analyte response due to matrix effects and fluctuations in instrument sensitivity throughout the analytical sequence. Internal standards are used to quantitate the concentration of target analytes and surrogate standards.

G. *The matrix spike/matrix spike duplicate percent recoveries for trichloroethene in QC samples Y4N73MS (140%) and Y4N73MSD (132%) did not meet the criterion for accuracy (71-120%) specified in the SOW. These recoveries are not meaningful because the concentration of trichloroethene in sample Y4N73 (68 ug/L) is significantly higher than the spike concentration of 5.0 ug/L.*

Matrix spike sample analysis provides information about the effect of the sample matrix on sample preparation and measurement.

H. Sample Y4N57 was reanalyzed at a 4-fold dilution due to high levels of trichloroethene and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y4N57 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Samples Y4N58, Y4N69, and Y4N73 were reanalyzed at 8-, 5-, and 5-fold dilutions, respectively, due to high levels of trichloroethene that exceeded the calibration range. Results for trichloroethene in samples Y4N58, Y4N69, and Y4N73 are reported from the diluted analyses in Table 1A; results for other analytes are reported from the undiluted analyses.

Samples Y4N59, Y4N60, Y4N61, Y4N62, and Y4N66 were reanalyzed at 5-, 2-, 4-, 10-, and 10-fold dilutions, respectively, due to high levels of tetrachloroethene that exceeded the calibration range. Results for tetrachloroethene in samples Y4N59, Y4N60, Y4N61, Y4N62, and Y4N66 are reported from the diluted analyses in Table 1A; results for other analytes are reported from the undiluted analyses.

Sample Y4N64 was reanalyzed at an 80-fold dilution due to high levels of trichlorofluoromethane, 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, cis-1,2-dichloroethene, chloroform, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y4N64 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Sample Y4N65 was reanalyzed at a 25-fold dilution due to high levels of 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y4N65 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Sample Y4N68 was reanalyzed at a 2-fold dilution due to high levels of 1,1,2-trichloro-1,2,2-trifluoroethane and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y4N68 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Sample Y4N70 was reanalyzed at a 20-fold dilution due to high levels of trichlorofluoromethane, 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y4N70 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

I. Data users should note that the diluted concentrations for tetrachloroethene in the following samples are significantly lower than the undiluted concentrations.

Sample	*Analyte*	*Undiluted Conc., µg/L*	*Diluted Conc., µg/L*
Y4N60	*Tetrachloroethene*	*28*	*15*
Y4N64	*Tetrachloroethene*	*1800*	*1000*
Y4N65	*Tetrachloroethene*	*200*	*130*
Y4N66	*Tetrachloroethene*	*120*	*78*
Y4N68	*Tetrachloroethene*	*21*	*9*
Y4N70	*Tetrachloroethene*	*180*	*110*

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," January 2005.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

Table 2
Calibration Summary

Case No.: *38274*
SDG No.: *Y4N51*
Site: *Omega Chem OU2*
Laboratory: *Mitkem Laboratories*
Reviewer: *April Martinez, ESAT/LDC*
Date: *May 4, 2009*

RELATIVE RESPONSE FACTORS (RRF)

		RRF	RRF	RRF	RRF	RRF
Analysis date:		*3/5/09*	*3/5/09*	*3/9/09*	*3/9/09*	*3/10/09*
Analysis time:		*10:38-*	*21:02*	*10:09*	*21:10*	*09:06*
GC/MS I.D.:		*V5*	*V5*	*V5*	*V5*	*V5*
Analyte		*Init.*	*CCV*	*CCV*	*CCV*	*CCV*
2-Butanone		*------*	*------*	*0.049*	*0.044*	*0.045*
2-Butanone-d5		*0.044*	*0.038*	*0.043*	*0.039*	*0.038*
2-Hexanone-d5	*0.032*	*0.033*	*0.041*	*0.044*	*0.033*	

		RRF	RRF
Analysis date:		*3/12/09*	*3/10/09*
Analysis time:		*18:30-*	*20:28*
GC/MS I.D.:		*V5*	*V5*
Analyte		*Init.*	*CCV*
2-Butanone		*------*	*------*
2-Butanone-d5		*------*	*0.044*
2-Hexanone-d5	*0.049*	*0.040*	

ASSOCIATED SAMPLES AND METHOD BLANKS

Initial 03/05/09: All samples and method blanks VBLK5Q, VBLK5S, VBLK5T, and VBLK5U
CCV, 03/05/09 (21:02): *Y4N51, Y4N52, and VBLK5Q*
CCV, 03/09/09 (10:09): *Y4N53, Y4N55, Y4N56, and VBLK5S*
CCV, 03/09/09 (21:10): *Y4N53, Y4N55, Y4N56, and VBLK5S; Y4N57 throughY4N70 and VBLK5T*
CCV, 03/10/09 (09:06): *Y4N57 throughY4N70 and VBLK5T; Y4N73, Y4N73MS, Y4N73MSD, and VBLK5U*
CCV, 03/10/09 (20:28): *Y4N73, Y4N73MS, Y4N73MSD, and VBLK5U*
Initial 03/05/09: *Y4N57DL throughY4N70DL, Y4N73DL, VBLKB5, VBLKC5, and VHBLKC5*
CCV, 03/13/09 (09:03): *Y4N57DL throughY4N70DL, Y4N73DL, VBLKB5, VBLKC5, and VHBLKC5*

Table 9. Volatile Deuterated Monitoring Compounds (DMCs) and the Associated Target Compounds

Chloroethane-d_5 (DMC)	1,2-Dichloropropane-d_6 (DMC)	1,2-Dichlorobenzene-d_4 (DMC)
Dichlorodifluoromethane	Cyclohexane	Chlorobenzene
Chloromethane	Methylcyclohexane	1,3-Dichlorobenzene
Bromomethane	1,2-Dichloropropane	1,4-Dichlorobenzene
Chloroethane	Bromodichloromethane	1,2-Dichlorobenzene
Carbon disulfide		1,2,4-Trichlorobenzene
		1,2,3-Trichlorobenzene
trans-1,3-Dichloropropene-d4 (DMC)	Chloroform-d (DMC)	2-Hexanone-d_5 (DMC)
cis-1,3-Dichloropropene	1,1-Dichloroethane	4-Methyl-2-pentanone
trans-1,3-Dichloropropene	Bromochloromethane	2-Hexanone
1,1,2-Trichloroethane	Chloroform	
	Dibromochloromethane	
	Bromoform	
2-Butanone-d_5 (DMC)	1,1-Dichloroethene-d_2 (DMC)	1,1,2,2-Tetrachloroethane-d_2 (DMC)
Acetone	trans-1,2-Dichloroethene	1,1,2,2,-Tetrachlororethane
2-Butanone	1,1-Dichloroethene	1,2-Dibromo-3-chloropropane
	cis-1,2-Dichloroethene	
Vinyl chloride-d_3 (DMC)	Benzene-d_6 (DMC)	Toluene-d_8 (DMC)
Vinyl chloride	Benzene	Trichloroethene
		Toluene
		Tetrachloroethene
		Ethylbenzene
		o-Xylene
		m,p-Xylene
		Styrene
		Isopropylbenzene
1,2-Dichloroethane-d_4 (DMC)		
Trichlorofluoromethane		
1,1,2-Trichloro-1,2,2-trifluoroethane		
Methyl acetate		
Methylene chloride		
Methyl-tert-butyl ether		
1,1,1-Trichloroethane		
Carbon tetrachloride		
1,2-Dibromoethane		
1,2-Dichloroethane		

Data Review Results

*Modified by ESAT. Changes (*) are based on hardcopy Tier 1A forms review (of VOA_TRACE data only) and shown as ~~strikethrough~~ and **underline bold**. Reviewer: Santiago Lee (EPA Contract EPW06041, TDF 00405051, ICF International). Date: 05/11/09. DCN: 10724.*

* ***Results above calibration range, denoted by an "E" flag, are qualified J (estimated) in Amended Table 1A. Results from the diluted analyses should be used.***

Data users should note that the diluted concentrations for some analytes in following samples are significantly lower than the undiluted concentrations.

Sample	Analyte	Undiluted Conc., µg/L	Diluted Conc., µg/L
Y4N71	Tetrachloroethene	210	120
Y4N72	Tetrachloroethene	260	120
Y4N76	1,1,1-Trichloroethane	9100	820
Y4N76	Trichloroethene	11000	2000U
Y4N76	Tetrachloroethene	79000	49000
Y4N77	Tetrachloroethene	130	42
Y4N81	Trichloroethene	120	47
Y4N81	Tetrachloroethene	1800	540
Y4N83	Tetrachloroethene	53	25

Samples Y4N85, Y4N86, and Y4N87 were received by the laboratory with a cooler temperature of 7°C which exceeds the 4+2°C sample preservation criterion. Since the cooler temperature is below 10°C, no adverse effect on data quality is expected.

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Blanks

Blanks	**VOA_TRACE**
VTLB15	The following trace volatile samples have common contaminant analyte concentrations reported greater than or equal to 4x the CRQL. The associated method blank has common contaminant analytes concentration is less than or equal to 2x the concentration criteria. Detected and nondetected compounds are not qualified.
	Methylene chloride Y4N76
Blanks	**VOA_TRACE**
VTLB48	The following trace volatile samples have common contaminant analyte concentrations reported greater than or equal to 4x the CRQL. The associated storage blank has common contaminant analytes concentration is less than or equal to 2x the concentration criteria. Detected and nondetected compounds are not qualified.
	Methylene chloride Y4N76

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Continuing Calibration Verification

Continuing Calibration Verification	VOA_TRACE
VTC8	The following trace volatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	VBLKC5, VBLKD5, Y4N71DL, Y4N72DL, Y4N74, Y4N75, Y4N76DL, Y4N77DL, Y4N78, Y4N79, Y4N80, Y4N82, Y4N83DL, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91
	Bromomethane VSTD005C5, VSTD005D5
	VBLKC5, VBLKD5, Y4N71DL, Y4N72DL, Y4N74, Y4N75, Y4N76DL, Y4N77DL, Y4N78, Y4N79, Y4N80, Y4N82, Y4N83DL, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

DMC/Surrogate

DMC/Surrogate	VOA_TRACE
VTDSS2	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y4N72, Y4N74, Y4N75, Y4N76, Y4N78, Y4N79, Y4N80, Y4N81, Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91
	Benzene-d6 Y4N76, Y4N81
	Benzene
	Chloroethane-d5 Y4N76
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
	Toluene-d8 Y4N76, Y4N81
	Ethylbenzene, Isopropylbenzene, Styrene, Tetrachloroethene, Toluene, Trichloroethene, m,p-Xylene, o-Xylene
*	**1,1-Dichloroethene-d2** Y4N74, Y4N75, Y4N76, Y4N78, Y4N79, Y4N80, Y4N81, Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91, **Y4N71DL, Y4N72DL, Y4N76DL, Y4N77DL, Y4N83DL**
	1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene
	1,1,2,2-Tetrachloroethane-d2 Y4N81
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane
	2-Hexanone-d5 Y4N76
	2-Hexanone, 4-Methyl-2-pentanone
	Vinyl chloride-d3 Y4N72, Y4N76, Y4N83, Y4N89
	Vinyl chloride
	Chloroform-d Y4N76
	1,1-Dichloroethane, Bromochloromethane, Bromoform, Chloroform, Dibromochloromethane
	trans-1,3-Dichloropropene-d4 Y4N76, Y4N81
	1,1,2-Trichloroethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene
	1,2-Dichloropropane-d6 Y4N76, Y4N81
	1,2-Dichloropropane, Bromodichloromethane, Cyclohexane, Methylcyclohexane
DMC/Surrogate	VOA_TRACE

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

DMC/Surrogate

VTDSS3	The following trace volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	Y4N76, Y4N77, Y4N78, Y4N82, Y4N89, Y4N90, Y4N91
	1,2-Dichloroethane-d4 Y4N77
	1,1,1-Trichloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-Dibromoethane, 1,2-Dichloroethane, Carbon tetrachloride, Methyl acetate, Methyl tert-butyl ether, Methylene chloride, Trichlorofluoromethane
*	**Chloroethane-d5** Y4N77, Y4N78, **Y4N72DL**
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
*	**1,2-Dichlorobenzene-d4** Y4N78, Y4N82, Y4N89, Y4N90, Y4N91, **Y4N76DL, Y4N83DL**
	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Chlorobenzene
	1,1,2,2-Tetrachloroethane-d2 Y4N76
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Detection Limit

Detection Limit	VOA_TRACE
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	VBLK5V, VBLKC5, VBLKD5, VHBLKG5, Y4N71, Y4N72, Y4N76DL, Y4N79, Y4N83, Y4N83DL, Y4N84, Y4N85, Y4N87, Y4N90
	Tetrachloroethene Y4N87
	cis-1,2-Dichloroethene Y4N85
	trans-1,2-Dichloroethene Y4N72
	Methyl tert-butyl ether Y4N71, Y4N72
	Chloroform Y4N79, Y4N83DL, Y4N84
	1,1,1-Trichloroethane Y4N76DL
	Methylene chloride VBLK5V, VBLKC5, VBLKD5, VHBLKG5
	1,1-Dichloroethane Y4N71, Y4N72, Y4N83
	Trichloroethene Y4N90

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Initial Calibration

Initial Calibration	VOA_SIM
VTC15	The following volatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	VBLK5Y, VBLKJ5, VHBLKJ5, Y4N71, Y4N72, Y4N74, Y4N75, Y4N77, Y4N78, Y4N79, Y4N80, Y4N81, Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91
	1,2-Dibromo-3-chloropropane VSTD0.055X, VSTD0.05J5, VSTD0.15X, VSTD0.1J5, VSTD0.5J5, VSTD1.0J5, VSTD2.05X, VSTD2.0J5
	VBLKJ5, VHBLKJ5, Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Internal Standard

Internal Standard		**VOA_TRACE**
VTIS3	*	The following volatile samples have internal standard area counts that are outside the upper limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are ~~not qualified~~ **qualified J (Region 9 modification)**.
		1,4-Difluorobenzene Y4N77
Internal Standard		**VOA_TRACE**
VTIS31		The following trace volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	*	**Chlorobenzene-d5** Y4N76, ~~Y4N81~~
	*	~~**1,4-Dichlorobenzene-d4** Y4N76~~
	*	**The following trace volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are qualified J (area counts >25%; Region 9 modification).**
	*	**Chlorobenzene-d5 Y4N81**
	*	**1,4-Dichlorobenzene-d4 Y4N76**

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Internal Standard

TIC	VOA_TRACE
VTTIC1	A library search indicates a match at or above 85% for a TIC compound in the trace volatile sample Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	354-23-4 Y4N83
TIC	**VOA_TRACE**
VTTIC2	A library search indicates a match below 85% for a TIC compound in the trace volatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y4N71, Y4N72, Y4N76
	Unknown-01 Y4N72, Y4N76
	Unknown-02 Y4N71, Y4N76
	Unknown-03 Y4N76
	Unknown-04 Y4N76
	Unknown-05 Y4N76

Data Review Results

*Modified by ESAT. Changes (*) are based on hardcopy Tier 1A forms review (of VOA_TRACE data only) and shown as ~~strikethrough~~ and **underline bold**. Reviewer: Santiago Lee (EPA Contract EPW06041, TDF 00405051, ICF International). Date: 05/11/09. DCN: 10725.*

* ***Results above calibration range, denoted by an "E" flag, are qualified J (estimated) in Amended Table 1A. Results from the diluted analyses should be used.***

Data users should note that the diluted concentrations for some analytes in following samples are significantly lower than the undiluted concentrations.

Sample	Analyte	Undiluted Conc., µg/L	Diluted Conc., µg/L
Y4NC4	Trichlorofluoromethane	31	14
Y4NC4	1,1,2-Trichloro-1,2,2-trifluoromethane	79	30
Y4NC4	Tetrachloroethene	130	74
Y4NC5	Tetrachloroethene	120	84

* ***The following results are qualified UJ or J (estimated) in Amended Table 1A due to low relative response factors (RRFs).***

- ***Acetone in samples Y4NC3, Y4NC2DL, Y4NC4DL, Y4NC5DL, and Y4NC6DL; method blanks VBLKN6 and VBLKS6; and storage blank VHBLKS6***
- ***2-Butanone in all samples, all method blanks, and storage blank VHBLKS6***
- ***1,2-Dibromo-3-chloropropane in samples Y4NB3DL, Y4NB4DL, Y4NC3, Y4NC2DL, Y4NC4DL, Y4NC5DL, and Y4NC6DL; method blanks VBLKW5, VBLKN6, and VBLKS6; and storage blank VHBLKS6***

RRFs <0.05 and >0.01 were reported for acetone, 2-butanone, and 1,2-dibromo-3-chloropropane in initial calibrations and continuing calibration verifications (CCVs) (Region 9 modification). Since qualified results are nondetected, false negatives may exist.

The R-flags for dichlorodifluoromethane, chloromethane, bromomethane, chloroethane, and carbon disulfide in sample Y4NB3 are sustained since the recovery for DMC chloroethane-d5 is <20.0% (18%).

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

Blanks

Blanks	**VOA_TRACE**
VTLB11	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated method blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	Methylene chloride Y4NC2DL, Y4NC3, Y4NC4DL, Y4NC5DL, Y4NC6DL
Blanks	**VOA_TRACE**
VTLB44	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated storage blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	Methylene chloride Y4NC2DL, Y4NC3, Y4NC4DL, Y4NC5DL, Y4NC6DL

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Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

Continuing Calibration Verification

Continuing Calibration Verification	**VOA_SIM**
VTC14	The following trace volatile samples are associated with a CCV with relative response factors (RRF50) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	VBLK6J, VBLKM6, VHBLKM6, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7
	1,2-Dibromo-3-chloropropane VSTD0.56J, VSTD0.5M6
	VBLK6J, VBLKM6, VHBLKM6, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7
Continuing Calibration Verification	**VOA_TRACE**
VTC8	The following trace volatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	VBLKV5, VBLKW5, Y4NB2, Y4NB3, Y4NB3DL, Y4NB4, Y4NB4DL, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD, Y4NC7
	Bromoform VSTD005W5
	VBLKW5, Y4NB3DL, Y4NB4DL
	1,2,3-Trichlorobenzene VSTD005V5
	VBLKV5, Y4NB2, Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD, Y4NC7

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

DMC/Surrogate

DMC/Surrogate	VOA_TRACE
VTDSS2	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD
*	**1,1-Dichloroethene-d2** Y4NB3, Y4NB4, Y4NB6, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD, **Y4NC6DL**
	1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene
	Chloroform-d Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD
	1,1-Dichloroethane, Bromochloromethane, Bromoform, Chloroform, Dibromochloromethane
	trans-1,3-Dichloropropene-d4 Y4NB5, Y4NC6, Y4NC6MS, Y4NC6MSD
	1,1,2-Trichloroethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene
DMC/Surrogate	**VOA_TRACE**
VTDSS3	The following trace volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	Y4NB2, Y4NB4, Y4NC0
	Chloroethane-d5 Y4NB2, Y4NB4
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
*	**1,1,2,2-Tetrachloroethane-d2** Y4NB2, Y4NC0, **Y4NB3DL**
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane
DMC/Surrogate	**VOA_TRACE**
VTDSS5	The following trace volatile samples have DMC/SMC recoveries below the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified R.
	Chloroethane-d5 Y4NB3
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane

Lab *MITKEM (Mitkem Corporation)* ***SDG*** *Y4NB2* ***Case*** *38274* ***Contract*** *EPW05030* ***Region*** *9* ***DDTID*** *70218* ***SOW*** *SOM01.2*

Data Review Results

Detection Limit

Detection Limit	***VOA_TRACE***
VTDL1	*The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.*
	VBLKN6, VBLKS6, Y4NB3DL, Y4NB4DL, Y4NC0, Y4NC1, Y4NC2, Y4NC2DL, Y4NC3, Y4NC4, Y4NC4DL, Y4NC5, Y4NC5DL, Y4NC6DL, Y4NC7
	Tetrachloroethene *Y4NC0, Y4NC7*
	cis-1,2-Dichloroethene *Y4NB3DL, Y4NB4DL, Y4NC2, Y4NC2DL, Y4NC4DL, Y4NC5DL, Y4NC6DL*
	Chloroform *Y4NC2, Y4NC2DL*
	Methylene chloride *VBLKN6, VBLKS6, Y4NC2DL, Y4NC3*
	1,1-Dichloroethane *Y4NC4, Y4NC5*
	Trichloroethene *Y4NC0, Y4NC1*

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

Initial Calibration

Initial Calibration	VOA_SIM
VTC15	The following volatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	VBLK6J, VBLKJ6, VBLKM6, VHBLKM6, Y4NB2, Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7
	1,2-Dibromo-3-chloropropane VSTD0.05J6, VSTD0.1J6, VSTD0.5J6, VSTD1.0J6, VSTD2.0J6
	VBLK6J, VBLKJ6, VBLKM6, VHBLKM6, Y4NB2, Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

Matrix Spikes

Matrix Spikes	**VOA_TRACE**
VTMS2 *	The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. ~~Detected compounds are qualified J. Nondetected compounds are not qualified~~ **The RPDs for 1,1-dichloroethene and trichloroethene are not meaningful because sample concentrations (148 ug/L and 256, respectively) are much higher than the spike concentration of 5.0 ug/L**.
	1,1-Dichloroethene Y4NC6MS, Y4NC6MSD
	Trichloroethene Y4NC6MS, Y4NC6MSD
Matrix Spikes	**VOA_TRACE**
VTMS3 *	The following trace volatile matrix spike/matrix spike duplicate samples have percent recoveries greater than the upper acceptance criteria. ~~Detected compounds are qualified J. Nondetected compounds are not qualified~~ **The recoveries for 1,1-dichloroethene and trichloroethene are not meaningful because sample concentrations (148 ug/L and 256, respectively) are much higher than the spike concentration of 5.0 ug/L**.
	1,1-Dichloroethene Y4NC6MS, Y4NC6MSD
	Trichloroethene Y4NC6MS, Y4NC6MSD

TIC	*VOA_TRACE*
VTTIC2	*A library search indicates a match below 85% for a TIC compound in the trace volatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.*
	Unknown-01 *Y4NB6*

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300 Fax: (510) 412-2304

MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405058

DATE: *June 2, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38275*
SDG No.:	*Y4Q41*
Laboratory:	*CompuChem (LIBRTY)*
Analysis:	*Trace Volatiles*
Samples:	*20 Ground Water Samples (see Case Summary)*
Collection Date:	*April 7, 2009*
Reviewer:	*April Martinez, ESAT/Laboratory Data Consultants*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: *Cynthia Gurley, CLP PO USEPA Region 4*
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No

Case No.: *38275*
SDG No.: *Y4Q41*
Site: *Omega Chem OU2*
Laboratory: *CompuChem (LIBRTY)*
Reviewer: *April Martinez, ESAT/LDC*
Date: *June 2, 2009*

I. Case Summary

Sample Information

Samples:	*Y4Q41 through Y4Q60*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*Trace Volatiles*
SOW:	*SOM01.2*
Collection Date:	*April 7, 2009*
Sample Receipt Date:	*April 8, 2009*
Extraction Date:	*Not Applicable*
Analysis Date:	*April 16 and 17, 2009*

Field QC

Field Blanks (FB):	*Y4Q62 and Y4Q68 (in SDG Y4Q61)*
Equipment Blanks (EB):	*Not provided*
Trip Blank (TB):	*Not provided*
Background Samples (BG):	*Not provided*
Field Duplicates (D1):	*Y4Q52 and Y4Q53*
Field Duplicates (D2):	*Y4Q55 and Y4Q56*

Laboratory QC

Method Blanks & Associated Samples:

VBLKDP:Y4Q41 through Y4Q45
VBLKJL: Y4Q46 through Y4Q57
VBLKBG:Y4Q59DL and Y4Q60DL
VBLKDU:Y4Q41DL, Y4Q46DL through Y4Q57DL, Y4Q58, Y4Q59, Y4Q60
VBLKDW:Y4Q59MS, Y4Q59MSD
VBLKEA:storage blank VHBLKYA

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review
2: Calibration Summary

None.

CLP PO Attention

9. Detected results for (1) acetone in samples Y4Q41 through Y4Q49 and Y4Q53 through Y4Q59 and (2) 2-butanone in sample Y4Q51 are qualified as nondetected and estimated (U,J) due to method blank, storage blank, and field blank contamination (see Comment B).

10. Results for some analytes are qualified as estimated (J) due to calibration problems (see Comments C and D).

11. Results for some analytes are qualified as estimated (J) due to deuterated monitoring compound (DMC) recovery problems (see Comment E).

Sampling Issues

The detected result for 2-butanone in sample Y4Q51 is qualified as nondetected and estimated (U,J) due to field blank contamination (see Comment B).

Additional Comments

Other than laboratory artifacts (approximate retention times of 11.4 and 13.5 minutes), tentatively identified compounds (TICs) were found in samples Y4Q41, Y4Q42, Y4Q46 through Y4Q52, Y4Q57, Y4Q59, and Y4Q60 (see attached Form 1Js).

The laboratory performed manual integrations on calibrations due to incorrect auto integration. Manual integrations were reviewed and found to be satisfactory and in compliance with proper integration techniques.

Standard preparation logs are not included in the data package and cannot be evaluated. This information was requested from the laboratory but has not been received to date. Data are not qualified in this report due to missing standard preparation logs.

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*

- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*

- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008.*

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
29.	*Holding Time/Preservation*	*Yes*	
30.	*GC/MS Tune/GC Performance*	*Yes*	
31.	*Initial Calibration*	*No*	*C*
32.	*Continuing Calibration Verification*	*No*	*C, D*
33.	*Laboratory Blanks*	*No*	*B*
34.	*Field Blanks*	*No*	*B*
35.	*Deuterated Monitoring Compounds*	*No*	*E*
36.	*Matrix Spike/Matrix Spike Duplicate*	*No*	*G*
37.	*Laboratory Control Sample/Duplicate*	*N/A*	
38.	*Internal Standards*	*Yes*	
39.	*Compound Identification*	*Yes*	
40.	COMPOUND QUANTITATION	YES	A, H, I
41.	SYSTEM PERFORMANCE	YES	
42.	*Field Duplicate Sample Analysis*	*No*	*F*

N/A = Not Applicable

III. Validity AND Comments

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- *All detected results below the contract required quantitation limits*

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. The following results are qualified as nondetected and estimated due to method blank, storage blank, and field blank contamination and are flagged "U,J" in Table 1A.

- *Acetone in samples Y4Q41 through Y4Q49 and Y4Q55 through Y4Q59*
- *2-Butanone in sample Y4Q51*

Acetone was found in method blanks VBLKDP, VBLKJL, and VBLKDU and storage blank VHBLKYA; 2-butanone was found in field blank Y4Q62 (see Table 1A for concentrations).

Results for the samples listed above are considered nondetected and estimated (U,J) and quantitation limits have been raised according to blank qualification rules presented below. **6**

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the CRQL, the quantitation limit is raised to the sample result and reported as nondetected. If the sample result is less than the CRQL, the result is reported as nondetected at the CRQL.

A laboratory method blank is laboratory reagent water or baked sand analyzed with all reagents, deuterated monitoring compounds, and internal standards and carried through the same sample preparation and analytical procedures as the field samples. The laboratory method blank is used to determine the level of contamination introduced by the laboratory during analysis.

A storage blank is laboratory reagent water stored in a vial in the same area as the field samples. The storage blank is used to determine the level of contamination introduced by the laboratory during sample storage prior to analysis.

A field blank is clean water prepared as a sample in the field by the sampler and shipped to the laboratory with the samples. A field blank is intended to detect contaminants that may have been introduced in the field, although any laboratory introduced contamination will be present. Contaminants that are found in the field blank which are absent in the laboratory method blank could be indicative of a field QC problem, a deficiency in the bottle preparation procedure, a difference in preparation of the laboratory and field blanks, or other indeterminate error.

C. *Results for the following analyte are qualified as estimated due to low RRFs in initial calibrations and continuing calibration verifications (CCVs) and are flagged "J" in Table 1A.*

- *Acetone in all samples, all method blanks, and storage blank VHBLKYA*

RRFs were below the 0.05 validation criterion for acetone in initial calibrations and CCVs (see Table 2). Detected results for acetone should be considered as the minimum concentrations at which acetone is present in the samples. Where results are nondetected, false negatives may exist.

DMCs 2-butanone-d5 and 2-hexanone-d5 also had RRFs below the 0.05 validation criterion in the initial calibrations and CCVs (see Table 2). Quantitation of the analytes associated with these DMCs may have been affected by low RRFs (see attached Table 9 from the Functional Guidelines).

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

D. *Results for the following analytes are qualified as estimated due to large percent differences (%Ds) in CCVs and are flagged "J" in Table 1A.*

- *Bromomethane in samples Y4Q46 throughY4Q57 and method blank VBLKJL*

- *1,2-Dibromo-3-chloropropane in method blank VBLKBG*

%Ds of -37.3 % for bromomethane and -40.8 % for 1,2-dibromo-3-chloropropane were reported in 04/16/09 14:25 and 04/17/09 14:52 CCVs, respectively. These values exceeded the ±30.0% (bromomethane) and ±40.0% (1,2-dibromo-3-chloropropane) validation criterion for opening CCVs.

DMC 1,1-Dichloroethene-d2 also had a %D that exceeded the ±30.0% validation criterion in the 04/16/09 14:25 CCV. Quantitation of the analytes associated with this DMC may have been affected by the high %D (see attached Table 9 from the Functional Guidelines).

The continuing calibration verification checks satisfactory performance of the instrument on a day-to-day basis.

E. Results for the following analytes are qualified as estimated due to DMC recoveries outside QC limits and are flagged "J" in Table 1A.

{1,1-Dichloroethene-d2}

- *cis-1,2-Dichloroethene in sample Y4Q44*
- *trans-1,2-Dichloroethene and cis-1,2-dichloroethene in samples Y4Q50, Y4Q51, Y4Q55, Y4Q56, and Y4Q59*
- *1,1-Dichloroethene and cis-1,2-dichloroethene in sample Y4Q53*
- *1,1-Dichloroethene, trans-1,2-dichloroethene and cis-1,2-dichloroethene in samples Y4Q46 through Y4Q49, Y4Q52, Y4Q54, Y4Q57, and Y4Q60*

{Chloroform-d}

- *1,1-Dichloroethane in sample Y4Q59*
- *1,1-Dichloroethane and chloroform in sample Y4Q60*

DMC recoveries outside QC limits are shown below.

Sample	*DMC*	*% Recovery*	*QC Limit*
Y4Q53DL	*Chloroethane-d5*	*54*	*71-131*
Y4Q54DL	*Chloroethane-d5*	*66*	*71-131*
Y4Q42	*1,1-Dichloroethene-d2*	*107*	*55-104*
Y4Q44	*1,1-Dichloroethene-d2*	*109*	*55-104*
Y4Q46	*1,1-Dichloroethene-d2*	*848*	*55-104*
Y4Q46DL	*1,1-Dichloroethene-d2*	*118*	*55-104*
Y4Q47	*1,1-Dichloroethene-d2*	*1090*	*55-104*
Y4Q47DL	*1,1-Dichloroethene-d2*	*132*	*55-104*
Y4Q48	*1,1-Dichloroethene-d2*	*785*	*55-104*
Y4Q48DL	*1,1-Dichloroethene-d2*	*126*	*55-104*
Y4Q49	*1,1-Dichloroethene-d2*	*782*	*55-104*
Y4Q49DL	*1,1-Dichloroethene-d2*	*125*	*55-104*
Y4Q50	*1,1-Dichloroethene-d2*	*353*	*55-104*
Y4Q51	*1,1-Dichloroethene-d2*	*352*	*55-104*
Sample	*DMC*	*% Recovery*	*QC Limit*
Y4Q52	*1,1-Dichloroethene-d2*	*603*	*55-104*

Y4Q52DL	*1,1-Dichloroethene-d2*	*119*	*55-104*	
Y4Q53	*1,1-Dichloroethene-d2*		*507*	*55-104*
Y4Q53DL	*1,1-Dichloroethene-d2*	*120*	*55-104*	
Y4Q54	*1,1-Dichloroethene-d2*		*471*	*55-104*
Y4Q54DL	*1,1-Dichloroethene-d2*	*120*	*55-104*	
Y4Q55	*1,1-Dichloroethene-d2*		*273*	*55-104*
Y4Q56	*1,1-Dichloroethene-d2*		*225*	*55-104*
Y4Q57	*1,1-Dichloroethene-d2*		*468*	*55-104*
Y4Q57DL	*1,1-Dichloroethene-d2*	*118*	*55-104*	
Y4Q59	*1,1-Dichloroethene-d2*		*704*	*55-104*
Y4Q59MS	*1,1-Dichloroethene-d2*		*636*	*55-104*
Y4Q59MSD	*1,1-Dichloroethene-d2*	*624*	*55-104*	
Y4Q60	*1,1-Dichloroethene-d2*		*386*	*55-104*
Y4Q60DL	*1,1-Dichloroethene-d2*	*133*	*55-104*	
Y4Q59	*Chloroform-d*		*149*	*78-121*
Y4Q59MS	*Chloroform-d*		*157*	*78-121*
Y4Q59MSD	*Chloroform-d*		*156*	*78-121*
Y4Q60	*Chloroform-d*		*126*	*78-121*
Y4Q57DL	*2-Hexanone-d5*		*138*	*28-135*

Qualified results may be biased high. For DMC recoveries that exceeded QC limits, only detected results for associated analytes are qualified. The samples were not reanalyzed undiluted.

Surrogates (e.g., deuterated monitoring compounds (DMCs)) are organic compounds which are similar to the target analytes in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples. All samples are spiked with DMCs prior to purging. DMCs provide information about both the laboratory performance on individual samples and the possible effects of the sample matrix on the analytical results.

F. *In the analysis of the field duplicate pair, the following outliers were reported.*

Analyte	*Y4Q55 (D2) Conc., ug/L*	*Y4Q56 (D2) Conc., ug/L*	*RPD (<25%)*
Trichlorofluoromethane	*63*	*25*	*86*
1,1-Dichloroethene	*69*	*34*	*68*
1,1,2-Trichloro-1,2,2-Trifluoroethane	*170*	*79*	*73*
Cyclohexane	*1.7*	*0.40 J*	*N/A*
Trichloroethene	*250*	*140*	*56*
Tetrachloroethene	*110*	*63*	*54*

The effect on data quality is not known.

The analysis of field duplicate samples is a measure of both field and analytical precision. The imprecision in the results of the analysis of the field duplicate pair may be due to the sample matrix or poor sampling or laboratory technique.

G. *The matrix spike and matrix spike duplicate (MS/MSD) recoveries for 1,1-dichloroethene and trichloroethene and relative percent difference (RPD) for 1,1-dichloroethene in QC samples Y4Q59MS and Y4Q59MSD did not meet the criteria for accuracy and precision specified in the SOW, as shown below.* **9**

	Y4Q59MS	*Y4Q59MSD*		*QC limits*		
Analyte	*% Recovery*	*% Recovery*	*RPD*	*RPD*	*% Recovery*	
1,1-DICHLOROETHENE	-23	30	1488	14		61-145
TRICHLOROETHENE	-1257	-1243	-----	---		71-120

THE RECOVERIES AND RPD ARE NOT MEANINGFUL BECAUSE CONCENTRATIONS OF 1,1-DICHLOROETHENE (140 UG/L) AND TRICHLOROETHENE (220 UG/L) IN SAMPLE Y4Q59 ARE SIGNIFICANTLY HIGHER THAN THE SPIKE CONCENTRATION OF 5.0 UG/L.

Matrix spike sample analysis provides information about the effect of the sample matrix on sample preparation and measurement.

H. Sample Y4Q41 was reanalyzed at a 1.7-fold dilution due to a high level of 1,2-dichloroethane that exceeded the calibration range. The result for 1,2-dichloroethane in sample Y4Q41 is reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Samples Y4Q46, Y4Q47, Y4Q48, and Y4Q49 were reanalyzed at a 25-, 25-, 16.7-, and 16.7-fold dilutions, respectively, due to high levels of 1,1-dichloroethene, cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in samples Y4Q46, Y4Q47, Y4Q48, and Y4Q49 are reported from the diluted analyses in Table 1A; results for other analytes are reported from the undiluted analyses.

Samples Y4Q50, Y4Q51, Y4Q55, Y4Q56, Y4Q57, and Y4Q60 were reanalyzed at 16.7-, 16.7-, 25-, 25-, 16.7-, and 8.3-fold dilutions, respectively, due to high levels of 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in samples Y4Q50, Y4Q51, Y4Q55, Y4Q56, Y4Q57, and Y4Q60 are reported from the diluted analyses in Table 1A; results for other analytes are reported from the undiluted analyses.

Samples Y4Q52 and Y4Q54 were reanalyzed at 12.5-fold dilutions due to high levels of 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in samples Y4Q52 and Y4Q54 are reported from the diluted analyses in Table 1A; results for other analytes are reported from the undiluted analyses.

Sample Y4Q53 was reanalyzed at a 12.5-fold dilution due to high levels of 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, acetone, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y4Q53 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Sample Y4Q59 was reanalyzed at a 41.7-fold dilution due to high levels of 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, trichlorofluoromethane, chloroform, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y4Q59 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis. ***10***

I. Data users should note that the undiluted concentrations for trichloroethene and tetrachloroethene in the following samples are significantly higher than the diluted concentrations.

Sample	*Analyte*	*Undiluted Conc., µg/L*	*Diluted Conc., µg/L*
Y4Q51	*Tetrachloroethene*	*130*	*97*
Y4Q56	*Trichloroethene*	*200*	*140*
Y4Q56	*Tetrachloroethene*	*110*	*63*
Y4Q60	*Trichloroethene*	*120*	*80*

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," June 2008.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

Table 2
Calibration Summary

Case No.: *38275*
SDG No.: *Y4Q41*
Site: *Omega Chem OU2*
Laboratory: *CompuChem*
Reviewer: *April Martinez, ESAT/LDC*
Date: *June 2, 2009*

RELATIVE RESPONSE FACTORS (RRF)

		$\overline{RRF}$	RRF	RRF
Analysis date:		*4/14/09*	*4/17/09*	*4/17/09*
Analysis time:		*15:34-*	*14:52*	*20:09*
GC/MS I.D.:		*5972hp73*	*5972hp73*	*5972hp73*
Analyte		*Init.*	*CCV*	*CCV*
Acetone		*0.045*	*0.037*	*0.045*

		$\overline{RRF}$	RRF	RRF	RRF
Analysis date:		*4/16/09*	*4/16/09*	*4/17/09*	*4/17/09*
Analysis time:		*04:45-*	*14:25*	*00:16*	*10:13*
GC/MS I.D.:		*5973hp90*	*5973hp90*	*5973hp90*	*5973hp90*
Analyte		*Init.*	*CCV*	*CCV*	*CCV*
Acetone		*0.024*	*0.030*	*0.023*	*0.036*
2-Butanone-d5		*-----*	*0.045*	*------*	*------*
2-Hexanone-d5	*0.040*	*0.041*	*------*	*0.049*	

		$\overline{RRF}$	RRF	RRF	RRF
Analysis date:		*4/17/09*	*4/17/09*	*4/19/09*	*4/19/09*
Analysis time:		*14:27-*	*22:10*	*14:10*	*16:12*
GC/MS I.D.:		*5973hp90*	*5973hp90*	*5973hp90*	*5973hp90*
Analyte		*Init.*	*CCV*	*CCV*	*CCV*
Acetone		*0.041*	*0.023*	*0.035*	*0.042*
2-Butanone-d5		*0.045*	*0.046*	*0.045*	*0.044*
2-Hexanone-d5	*0.034*	*0.042*	*0.036*	*0.039*	

ASSOCIATED SAMPLES AND METHOD BLANKS

Initial, 4/14/09: Samples Y4Q59DL and Y4Q60DL and method blank VBLKBG
CCV, 4/17/09 14:52 and 20:09:
Y4Q59DL and Y4Q60DL and VBLKBG

Initial, 4/16/09: Y4Q41 through Y4Q60, Y4Q41DL, Y4Q46DL through Y4Q57DL, VBLKDP, VBLKJL and VBLKDU

CCV, 4/16/09 14:25: Y4Q41 through Y4Q45, VBLKDP, and VBLKDP

CCV, 4/17/09 00:16: *Y4Q46 through Y4Q57, Y4Q41DL, Y4Q46DL through Y4Q57DL, VBLKJL and VBLKDU* ***13***

CCV, 4/17/09 10:13: *Y4Q58 through Y4Q60, Y4Q41DL, Y4Q46DL through Y4Q57DL, and VBLKDU*

Initial, 4/17/09: *Y4Q59MS, Y4Q59MSD, VBLKDW, VBLKEA and VHBLKYA*

CCV, 4/17/09 22:10: *Y4Q59MS, Y4Q59MSD and VBLKDW*

CCV, 4/19/09 14:10 and 16:12:
VBLKEA and VHBLKYA

Table 9. Volatile Deuterated Monitoring Compounds (DMCs) and the Associated Target Compounds

Chloroethane-d_5 (DMC)	1,2-Dichloropropane-d_6 (DMC)	1,2-Dichlorobenzene-d_4 (DMC)
Dichlorodifluoromethane	Cyclohexane	Chlorobenzene
Chloromethane	Methylcyclohexane	1,3-Dichlorobenzene
Bromomethane	1,2-Dichloropropane	1,4-Dichlorobenzene
Chloroethane	Bromodichloromethane	1,2-Dichlorobenzene
Carbon disulfide		1,2,4-Trichlorobenzene
		1,2,3-Trichlorobenzene
trans-1,3-Dichloropropene-d4 (DMC)	Chloroform-d (DMC)	2-Hexanone-d_5 (DMC)
cis-1,3-Dichloropropene	1,1-Dichloroethane	4-Methyl-2-pentanone
trans-1,3-Dichloropropene	Bromochloromethane	2-Hexanone
1,1,2-Trichloroethane	Chloroform	
	Dibromochloromethane	
	Bromoform	
2-Butanone-d_5 (DMC)	1,1-Dichloroethene-d_2 (DMC)	1,1,2,2-Tetrachloroethane-d_2 (DMC)
Acetone	trans-1,2-Dichloroethene	1,1,2,2,-Tetrachlororethane
2-Butanone	1,1-Dichloroethene	1,2-Dibromo-3-chloropropane
	cis-1,2-Dichloroethene	
Vinyl chloride-d_3 (DMC)	Benzene-d_6 (DMC)	Toluene-d_8 (DMC)
Vinyl chloride	Benzene	Trichloroethene
		Toluene
		Tetrachloroethene
		Ethylbenzene
		o-Xylene
		m,p-Xylene
		Styrene
		Isopropylbenzene
1,2-Dichloroethane-d_4 (DMC)		
Trichlorofluoromethane		
1,1,2-Trichloro-1,2,2-trifluoroethane		
Methyl acetate		
Methylene chloride		
Methyl-tert-butyl ether		
1,1,1-Trichloroethane		
Carbon tetrachloride		
1,2-Dibromoethane		
1,2-Dichloroethane		

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
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MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405083

DATE: *October 29, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38845*
SDG No.:	*Y4ZA6*
Laboratory:	*DataChem Laboratories, Inc. (DATAC)*
Analysis:	*Trace Volatiles*
Samples:	*20 Ground Water Samples (see Case Summary)*
Collection Date:	*September 1 through 3, 2009*
Reviewer:	*April Martinez, ESAT/Laboratory Data Consultants*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: *Carol Beard, CLP PO USEPA Region 6*
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No

Case No.: *38845*
SDG No.: *Y4ZA6*
Site: *Omega Chem OU2*
Laboratory: *DataChem Laboratories, Inc. (DATAC)*
Reviewer: *April Martinez, ESAT/LDC*
Date: *October 29, 2009*

I. Case Summary

Sample Information

Samples:	*Y4ZA6 through Y4ZC5*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*Trace Volatiles*
SOW:	*SOM01.2*
Collection Date:	*September 1 through 3, 2009*
Sample Receipt Date:	*September 3 and 4, 2009*
Extraction Date:	*Not Applicable*
Analysis Date:	*September 8 through 10, 2009*

Field QC

Field Blanks (FB):	*Y4ZA9 and Y4ZC5*
Equipment Blanks (EB):	*Not provided*
Trip Blanks (TB):	*Not provided*
Background Samples (BG):	*Not provided*
Field Duplicates (D1):	*Y4ZB7 and Y4ZB8*

Laboratory QC

Method Blanks & Associated Samples:

VBLKT1:	*Y4ZA6, Y4ZA7, Y4ZA8, Y4ZB3, Y4ZB3MS, Y4ZB3MSD, Y4ZB3DL, Y4ZB5, Y4ZB6DL, Y4ZC0, Y4ZC4*
VBLKT2:	*Y4ZA9 through Y4ZB2, Y4ZB4, Y4ZB5DL, Y4ZB8DL through Y4ZC2DL*
VBLKT3:	*Y4ZB6 through Y4ZB9, Y4ZC1 through Y4ZC3, Y4ZC3DL, Y4ZC4DL, Y4ZC5; storage blank VHBLKT1*

Tables

1A:	*Analytical Results with Qualifications*
1B:	*Data Qualifier Definitions for Organic Data Review*
2:	*Calibration Summary*

CLP PO Action

None.

1. Detected results for (1) tetrachloroethene in samples Y4ZA6, Y4ZB1, Y4ZB4, and Y4ZC5 and (2) chloromethane in sample Y4ZB8 are qualified as nondetected and estimated (U,J) due to storage blank and field blank contamination (see Comment B).

2. Results for some analytes are qualified as estimated (J) due to low relative response factors (RRFs) in initial calibration and continuing calibration verifications (CCVs) (see Comment C).

3. Results for some analytes are qualified as estimated (J) due to high deuterated monitoring compound (DMC) recoveries (see Comment D).

Sampling Issues

1. *The detected result for chloromethane in sample Y4ZB8 is qualified as nondetected and estimated (U,J) due to a field blank contamination (see Comment B).*

2. *Samples Y4ZA6 through Y4ZB6 were received by the laboratory with a cooler temperature of 9°C, which exceeds the 4±2°C sample preservation criterion. Since the cooler temperature is below 10°C, no adverse effect on data quality is expected.*

3. *The laboratory indicated on sample log-in sheets that the cooler temperature indicator bottle was absent from four of the five coolers (refer to pages 672 through 676 in the data package).*

Additional Comments

In addition to laboratory artifacts (approximate retention times of 11.4, 18.3, and 21.0 minutes), tentatively identified compounds (TICs) were found in samples Y4ZB5, Y4ZB6, Y4ZB9, andY4ZC1 (see attached Form 1Js).

The laboratory performed manual integrations on calibrations and samples due to incorrect auto integration. Manual integrations were reviewed and found to be satisfactory and in compliance with proper integration techniques.

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
43.	*Holding Time/Preservation*	*Yes*	
44.	*GC/MS Tune/GC Performance*	*Yes*	
45.	*Initial Calibration*	*No*	*C*
46.	*Continuing Calibration Verification*	*No*	*C*
47.	*Laboratory Blanks*	*No*	*B*
48.	*Field Blanks*	*No*	*B*
49.	*Deuterated Monitoring Compounds*	*No*	*D*
50.	*Matrix Spike/Matrix Spike Duplicate*	*Yes*	
51.	*Laboratory Control Sample/Duplicate*	*N/A*	
52.	*Internal Standards*	*Yes*	
53.	*Compound Identification*	*Yes*	
54.	COMPOUND QUANTITATION	YES	A, E, F
55.	SYSTEM PERFORMANCE	YES	
56.	*Field Duplicate Sample Analysis*	*Yes*	

N/A = Not Applicable

III. Validity AND Comments

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- *All detected results below the contract required quantitation limits*

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. The following results are qualified as nondetected and estimated due to storage blank and field blank contamination and are flagged "U,J" in Table 1A.

- *Tetrachloroethene in samples Y4ZA6, Y4ZB1, Y4ZB4, and Y4ZC5*
- *Chloromethane in sample Y4ZB8*

Tetrachloroethene was found in storage blank VHBLKT1 and chloromethane was found in field blank Y4ZC5 (see Table 1A for concentrations). Results for the samples listed above

are considered nondetected and estimated (U,J) and quantitation limits have been raised according to blank qualification rules presented below.

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the CRQL, the quantitation limit is raised to the sample result and reported as nondetected. If the sample result is less than the CRQL, the result is reported as nondetected at the CRQL.

A storage blank is laboratory reagent water stored in a vial in the same area as the field samples. The storage blank is used to determine the level of contamination introduced by the laboratory during sample storage prior to analysis.

A field blank is clean water prepared as a sample in the field by the sampler and shipped to the laboratory with the samples. A field blank is intended to detect contaminants that may have been introduced in the field, although any laboratory introduced contamination will be present. Contaminants that are found in the field blank which are absent in the laboratory method blank could be indicative of a field QC problem, a deficiency in the bottle preparation procedure, a difference in preparation of the laboratory and field blanks, or other indeterminate error.

C. *Results for the following analytes are qualified as estimated due to low RRFs in initial calibration and CCVs and are flagged "J" in Table 1A.*

- *Acetone in all samples, all method blanks, and storage blank VHBLKT1*
- *2-Butanone in samples Y4ZA6, Y4ZA7, Y4ZA8, Y4ZB3, Y4ZB5, Y4ZC0, and Y4ZC4 and method blank VBLKT1*

RRFs were below the 0.05 validation criterion for acetone in the initial calibration and CCVs and for 2-butanone in the CCVs (see Table 2). Detected results for acetone should be considered as the minimum concentrations at which it is present in the samples. Where results are nondetected, false negatives may exist.

DMCs 2-butanone-d5 and 2-hexanone-d5 also had RRFs below the 0.05 validation criterion in the CCVs (see Table 2). Quantitation of the analytes associated with these DMCs (acetone, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone) may have been affected by low RRFs.

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

D. *Detected results for the following analytes are qualified as estimated due to high DMC recoveries and are flagged "J" in Table 1A.*

{1,1-Dichloroethene-d2}
- *trans-1,2-Dichloroethene and cis-1,2-dichloroethene in samples Y4ZB5 and Y4ZB6*
- *1,1-Dichloroethene and cis-1,2-dichloroethene in samples Y4ZB7 and Y4ZC4*
- *1,1-Dichloroethene, trans-1,2-dichloroethene, and cis-1,2-dichloroethene in samples Y4ZB9 and Y4ZC1*

DMC recoveries outside QC limits are shown below.

Sample	*DMC*	*% Recovery*	*QC Limit*

Y4ZB5	*1,1-Dichloroethene-d2*		*335 55-104*	***6***
Y4ZB6	*1,1-Dichloroethene-d2*		*278 55-104*	
Y4ZB7	*1,1-Dichloroethene-d2*		*106 55-104*	
Y4ZB9	*1,1-Dichloroethene-d2*		*473 55-104*	
Y4ZB9DL	*1,1-Dichloroethene-d2*	*114*	*55-104*	
Y4ZC1	*1,1-Dichloroethene-d2*		*410 55-104*	
Y4ZC1DL	*1,1-Dichloroethene-d2*	*109*	*55-104*	
Y4ZC4	*1,1-Dichloroethene-d2*		*112 55-104*	

Qualified results may be biased high. For DMC recoveries that exceeded QC limits, only detected results for associated analytes are qualified. The samples were not reanalyzed undiluted.

Surrogates (e.g., deuterated monitoring compounds (DMCs)) are organic compounds which are similar to the target analytes in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples. All samples are spiked with DMCs prior to purging. DMCs provide information about both the laboratory performance on individual samples and the possible effects of the sample matrix on the analytical results.

E. Samples Y4ZB3, Y4ZC0, and Y4ZC4 were reanalyzed at 5-, 2-, and 5-fold dilutions, respectively, due to high levels of trichloroethene and tetrachloroethene that exceeded the calibration range. Results for these analytes in samples Y4ZB3, Y4ZC0, and Y4ZC4 are reported from the diluted analyses in Table 1A; results for other analytes are reported from the undiluted analyses.

Samples Y4ZB5, Y4ZB9, and Y4ZC1 were reanalyzed at 40-, 50-, and 50-fold dilutions, respectively, due to high levels of trichlorofluoromethane, 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in samples Y4ZB5, Y4ZB9, and Y4ZC1 are reported from the 40-, 50-, and 50-fold diluted analyses in Table 1A; results for other analytes are reported from the 2-, 5-, and 5-fold diluted analyses.

Sample Y4ZB6 was reanalyzed at a 50-fold dilution due to high levels of 1,1-dichloroethene, 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y4ZB6 are reported from the 50-fold diluted analysis in Table 1A; results for other analytes are reported from the 5-fold diluted analysis.

Sample Y4ZB7 was reanalyzed at a 10-fold dilution due to high levels of 1,1,2-trichloro-1,2,2-trifluoroethane, trichloroethene, and tetrachloroethene that exceeded the calibration range. Results for these analytes in sample Y4ZB7 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Sample Y4ZB8 was reanalyzed at a 10-fold dilution due to high levels of 1,1,2-trichloro-1,2,2-trifluoroethane and trichloroethene that exceeded the calibration range. Results for these analytes in sample Y4ZB8 are reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Sample Y4ZC2 was reanalyzed at a 5-fold dilution due to a high level of trichloroethene that exceeded the calibration range. The result for trichloroethene in sample Y4ZC2 is reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

Sample Y4ZC3 was reanalyzed at a 5-fold dilution due to a high level of tetrachloroethene that exceeded the calibration range. The result for tetrachloroethene in sample Y4ZC3 is reported from the diluted analysis in Table 1A; results for other analytes are reported from the undiluted analysis.

F. Sample Y4ZB5 was analyzed at a 2-fold dilution and samples Y4ZB6, Y4ZB9, and Y4ZC1 were analyzed at 5-fold dilutions due to high levels of target analytes. The CRQLs listed for these samples in Table 1A have been multiplied by the dilution factor.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," June 2008.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

Table 2
Calibration Summary

Case No.: *38845*
SDG No.: *Y4ZA6*
Site: *Omega Chem OU2*
Laboratory: *DataChem Laboratories, Inc.*
Reviewer: *April Martinez, ESAT/LDC*
Date: *October 29, 2009*

RELATIVE RESPONSE FACTORS (RRF)

		RRF	RRF	RRF
Analysis date:		*8/25/09*	*9/08/09*	*9/08/09*
Analysis time:		*13:38-*	*12:06*	*20:48*
GC/MS I.D.:		*5971-M*	*5971-M*	*5971-M*
Analyte		*Initial*	*CCV*	*CCV*
Acetone		*0.029*	*0.028*	*0.021*
2-Butanone		*-----*	*-----*	*0.042*
2-Butanone-d5		*-----*	*-----*	*0.047*
2-Hexanone-d5	-----	-----	*0.039*	

		RRF	RRF	RRF	RRF
Analysis date:		*9/09/09*	*9/09/09*	*9/10/09*	*9/10/09*
Analysis time:		*11:23*	*19:47*	*11:47*	*20:55*
GC/MS I.D.:		*5971-M*	*5971-M*	*5971-M*	*5971-M*
Analyte		*CCV*	*CCV*	*CCV*	*CCV*
Acetone		*0.029*	*0.028*	*0.027*	*0.031*
2-Hexanone-d5	-----	*0.045*	------	*0.046*	

ASSOCIATED SAMPLES AND METHOD BLANKS

Initial, 8/25/09: All samples, all method blanks, and storage blank VHBLKT1
CCVs, 9/08/09 12:06 and 20:48:
Y4ZA6, Y4ZA7, Y4ZA8, Y4ZB3, Y4ZB3MS, Y4ZB3MSD, Y4ZB3DL, Y4ZB5, Y4ZB6DL, Y4ZC0, Y4ZC4; VBLKT1
CCVs, 9/09/09 11:23 and 19:47:
Y4ZA9 through Y4ZB2, Y4ZB4, Y4ZB5DL, Y4ZB8DL through Y4ZC2DL; VBLKT2
CCVs, 9/10/09 11:47 and 20:55:
Y4ZB6 through Y4ZB9, Y4ZC1 through Y4ZC3, Y4ZC3DL, Y4ZC4DL, Y4ZC5; VHBLKT1, VBLKT3.

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
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MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405090 Amendment 2

DATE: *December 18, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38940*
SDG No.:	*Y5129*
Laboratory:	*KAP Technologies, Inc. (KAP)*
Analysis:	*Trace Volatiles*
Samples:	*2 Ground Water Samples (see Case Summary)*
Collection Date:	*September 15, 2009*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: *Ray Flores, CLP PO USEPA Region 6*
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No

Case No.: *38940*
SDG No.: *Y5129*
Site: *Omega Chem OU2*
Laboratory: *KAP Technologies, Inc. (KAP)*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *December 18, 2009*

I. Case Summary

Sample Information

Samples:	*Y5129 and Y5130*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*Trace Volatiles*
SOW:	*SOM01.2*
Collection Date:	*September 15, 2009*
Sample Receipt Date:	*September 17, 2009*
Extraction Date:	*Not Applicable*
Analysis Date:	*September 24, 2009*

Field QC

Field Blanks (FB):	*Not provided*
Equipment Blanks (EB):	*Not provided*
Trip Blanks (TB):	*Not provided*
Background Samples (BG):	*Not provided*
Field Duplicates (D1):	*Not provided*

Laboratory QC

Method Blanks & Associated Samples:

VBLK16:	*Y5129, Y5130, Y5129MS, Y5129MSD*
VBLK67:	*Storage blank VHBLK01*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

1. *The detected result for methylene chloride in storage blank VHBLK01 is qualified as nondetected and estimated (U,J) due to method blank contamination (see Comment B).*

2. *Results for some analytes are qualified as estimated (J) due to large percent relative standard deviations (%RSDs) in initial calibrations (see Comment C).*

Sampling Issues

1. *The sampler signature is missing on the traffic report and chain of custody record (TR/COC) (refer to page 4 in the data package).*

2. *No sample was designated for "laboratory QC" on the TR/COC. The laboratory performed the matrix spike/matrix spike duplicate (MS/MSD) analysis on sample Y5129.*

Additional Comments

The DMC 2-hexanone-d5 had relative response factors (RRFs) below the 0.05 validation criterion in initial calibrations and continuing calibration verifications. Quantitation of the analytes associated with this DMC (4-methyl-2-pentanone and 2-hexanone) may have been affected by low RRFs.

In addition to laboratory artifacts (approximate retention times of 11.1, 12.0, and 16.1 minutes), tentatively identified compounds (TICs) were found in sample Y5130 (see attached Form 1J).

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	*Acceptable*	*Comment*
57.	*Holding Time/Preservation*	*Yes*	
58.	*GC/MS Tune/GC Performance*	*Yes*	

59.	*Initial Calibration*	*No*	*C*
60.	*Continuing Calibration Verification*	*Yes*	
61.	*Laboratory Blanks*	*No*	*B*
62.	*Field Blanks*	*N/A*	
63.	*Deuterated Monitoring Compounds*	*Yes*	
64.	*Matrix Spike/Matrix Spike Duplicate*	*Yes*	
65.	*Laboratory Control Sample/Duplicate*	*N/A*	
66.	*Internal Standards*	*Yes*	
67.	*Compound Identification*	*Yes*	
68.	*Compound Quantitation*	*Yes*	*A*
69.	*System Performance*	*Yes*	
70.	*Field Duplicate Sample Analysis*	*N/A*	

N/A = Not Applicable

III. Validity AND Comments

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- *All detected results below the contract required quantitation limits*

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. The following result is qualified as nondetected and estimated due to method blank contamination and is flagged "U,J" in Table 1A.

- *Methylene chloride in storage blank VHBLK01*

Methylene chloride was found in method blanks VBLK16 and VBLK67 (see Table 1A for concentrations). The result for methylene chloride in storage blank VHBLK01 is considered nondetected and estimated (U,J) and the quantitation limit has been raised according to blank qualification rules presented below.

No positive results are reported unless the concentration of the compound in the sample exceeds 10 times the amount in any associated blank for common laboratory contaminants or 5 times the amount for other compounds. If the sample result is greater than the CRQL, the quantitation limit is raised to the sample result and reported as nondetected. If the sample result is less than the CRQL, the result is reported as nondetected at the CRQL.

A laboratory method blank is laboratory reagent water or baked sand analyzed with all reagents, deuterated monitoring compounds, and internal standards and carried through

the same sample preparation and analytical procedures as the field samples. The laboratory method blank is used to determine the level of contamination introduced by the laboratory during analysis.

C. *Results for the following analytes are qualified as estimated due to large %RSDs in initial calibrations and are flagged "J" in Table 1A.*

- *Bromomethane in all samples, all method blanks, and storage blank VHBLK01*

- *cis-1,3-Dichloropropene in method blank VBLK67 and storage blank VHBLK01*

%RSDs of 31.0% and 35.3% were reported for bromomethane in 09/24/09 and 10/02/09 initial calibrations, respectively. An %RSD of 31.8% was reported for cis-1,3-dichloropropene in the 10/02/09 initial calibration. These values exceeded the ≤30.0% validation criterion.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," June 2008.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

APPENDIX G-2

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles Selective Ion Monitoring (SIM)

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300; Fax: (510) 412-2304.

MEMORANDUM

TO: *Chris Lichens, Remedial Project Manager*
Site Cleanup Section 4, SFD-7-4

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00105132

DATE: *April 18, 2008*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*37203*
SDG No.:	*Y3WK7*
Laboratory:	*Mitkem Laboratories (MITKEM)*
Analysis:	*1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles Selective Ion Monitoring (SIM)*
Samples:	*20 Ground Water Samples (see Case Summary)*
Collection Date:	*February 28 and 29, 2008 and March 3, 2008*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Jennie Han-Liu, CLP PO USEPA Region 1

Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [ ] Yes [X] No

Data Validation Report - Tier 3

Case No.: *37203*
SDG No.: *Y3WK7*
Site: *Omega Chem OU2*
Laboratory: *Mitkem Laboratories*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *April 18, 2008*

I. Case Summary

Sample Information

Samples:	*Y3WK7 through Y3WM6*
Concentration and Matrix:	*Low/Medium Concentration Water*
Analysis:	*1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles SIM*
SOW:	*SOM01.2*
Collection Date:	*February 28 and 29, 2008 and March 3, 2008*
Sample Receipt Date:	*February 29, 2008 and March 3 and 4, 2008*
Extraction Date:	*Not Applicable*
Analysis Date:	*March 4, 6, and 7, 2008*

Field QC

Field Blanks (FB):	*Y3WM6*
Equipment Blanks (EB):	*Not Provided*
Trip Blanks (TB):	*Y3WL7*
Background Samples (BG):	*Not Provided*
Field Duplicates (D1):	*Y3WL2 and Y3WL3*
Field Duplicates (D2):	*Y3WM4 and Y3WM5*

Laboratory QC

Method Blanks & Associated Samples:

VBLKB2:	*Y3WK7 through Y3WL7*
VBLKE2:	*Y3WL8 through Y3WM6*
VBLKG2:	*storage blank VHBLKG2*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review
2: Calibration Summary

CLP PO Action

None.

CLP PO Attention

Results for 1,2-dibromo-3-chloropropane are qualified as estimated (J) due to low relative response factors (RRFs) in initial calibration and continuing calibration verifications (CCVs) (see Comment A).

Sampling Issues

None.

Additional Comments

Matrix spike/matrix spike duplicate (MS/MSD) analysis was not performed by the laboratory. Consequently, matrix-specific accuracy and precision could not be evaluated.

This report was prepared in accordance with the following documents:

- ESAT Region 9 Standard Operating Procedure 901, *Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages*;
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration,* SOM01.1, May 2005;
- *Modifications Updating SOM01.1 to SOM01.2,* Amended April 11, 2007; and
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, July 2007.

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
71.	*Holding Time/Preservation*	*Yes*	
72.	*GC/MS Tune/GC Performance*	*Yes*	
73.	*Initial Calibration*	*No*	*A*
74.	*Continuing Calibration Verification*	*No*	*A*
75.	*Laboratory Blanks*	*Yes*	
76.	*Field Blanks*	*Yes*	
77.	*Deuterated Monitoring Compounds*	*Yes*	
78.	*Matrix Spike/Matrix Spike Duplicate*	*N/A*	

79.	*Laboratory Control Samples/Duplicate*	*N/A*
80.	*Internal Standards*	*Yes*
81.	*Compound Identification*	*Yes*
82.	COMPOUND QUANTITATION	YES
83.	SYSTEM PERFORMANCE	YES
84.	*Field Duplicate Sample Analysis*	*Yes*

N/A = Not Applicable

III. Validity AND Comments

A. Results for the following analyte are qualified as estimated due to low RRFs in initial calibration and CCVs and are flagged "J" in Table 1A.

- *1,2-Dibromo-3-chloropropane in all samples, all method blanks, and storage blank VHBLKG2*

An average RRF of 0.049 was reported for 1,2-dibromo-3-chloropropane in the initial calibration. RRFs were below the 0.05 validation criterion for 1,2-dibromo-3-chloropropane in CCVs (see Table 2). Since qualified results are nondetected, false negatives may exist.

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," July 2007.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

Table 2
Calibration Summary

Case No.: *37203*
SDG No.: *Y3WK7*
Site: *Omega Chem OU2*
Laboratory: *Mitkem Laboratories*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *April 18, 2008*

RELATIVE RESPONSE FACTORS (RRF)

		RRF	RRF	RRF	RRF
Analysis date:		*03/04/08*	*03/06/08*	*03/06/08*	*03/07/08*
Analysis time:		*20:11*	*08:40*	*18:07*	*08:52*
GC/MS I.D.:		*V2*	*V2*	*V2*	*V2*
Analyte		*Cont.*	*Cont.*	*Cont.*	*Cont.*
1,2-Dibromo-3-chloropropane	*0.048*	*0.036*	*0.046*	*0.046*	

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300; Fax: (510) 412-2304.

MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405051

DATE: *April 23, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38274*
SDG No.:	*Y4N51*
Laboratory:	*Mitkem Laboratories (MITKEM)*
Analysis:	*1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles Selective Ion Monitoring (SIM)*
Samples:	*20 Ground Water Samples (see Case Summary)*
Collection Date:	*March 2 through 5, 2009*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Jennie Han-Liu, CLP PO USEPA Region 1

Steve Remaley, CLP PO USEPA Region 9

CLP PO: [ ] Attention [ ] Action

SAMPLING ISSUES: [ ] Yes [X] No

Case No.: *38274*
SDG No.: *Y4N51*
Site: *Omega Chem OU2*
Laboratory: *Mitkem Laboratories*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *April 23, 2009*

I. Case Summary

Sample Information

Samples:	*Y4N51 through Y4N53, Y4N55 through Y4N70, and Y4N73*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles SIM*
SOW:	*SOM01.2*
Collection Date:	*March 2 through 5, 2009*
Sample Receipt Date:	*March 3 through 6, 2009*
Extraction Date:	*Not Applicable*
Analysis Date:	*March 11 and 12, 2009*

Field QC

Field Blanks (FB):	*Y4N63 and Y4N67*
Equipment Blanks (EB):	*Not Provided*
Trip Blanks (TB):	*Not Provided*
Background Samples (BG):	*Not Provided*
Field Duplicates (D1):	*Y4N60 and Y4N61*

Laboratory QC

Method Blanks & Associated Samples:

VBLK5X:	*Y4N51 through Y4N53, Y4N55 through Y4N67*
VBLK5Y:	*Y4N68 through Y4N70, Y4N73; storage blank VHBLK5Y*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

None.

Sampling Issues

None.

Additional Comments

Matrix spike/matrix spike duplicate (MS/MSD) analysis was not required. Consequently, matrix-specific accuracy and precision could not be evaluated.

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, July 2007.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
85.	*Holding Time/Preservation*	*Yes*	
86.	*GC/MS Tune/GC Performance*	*Yes*	
87.	*Initial Calibration*	*Yes*	
88.	*Continuing Calibration Verification*	*Yes*	
89.	*Laboratory Blanks*	*Yes*	
90.	*Field Blanks*	*Yes*	
91.	*Deuterated Monitoring Compounds*	*Yes*	
92.	*Matrix Spike/Matrix Spike Duplicate*	*N/A*	
93.	*Laboratory Control Samples/Duplicate*	*N/A*	
94.	*Internal Standards*	*Yes*	
95.	*Compound Identification*	*Yes*	

96.	COMPOUND QUANTITATION	YES	A
97.	SYSTEM PERFORMANCE	YES	
98.	*Field Duplicate Sample Analysis*	*Yes*	

N/A = Not Applicable

III. Validity AND Comments

A. The laboratory reported a sample quantitation limit of 0.050 ug/L for 1,2-dibromo-3-chloropropane. However, the instrument response for the 0.050 ug/L initial calibration standard was only 89 area counts, which is very low (refer to quantitation report on page 661 in data package.) In the reviewer's professional judgment, the sample quantitation limit should be raised to 0.1 ug/L, the standard having a higher area count of 176 (refer to quantitation report on page 663 in data package.) Non-detected results are reported as 0.10U in Table 1A.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," July 2007.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

*Modified by ESAT. Changes (*) are based on hardcopy Tier 1A forms review (of VOA_TRACE data only) and shown as ~~strikethrough~~ and **underline bold**. Reviewer: Santiago Lee (EPA Contract EPW06041, TDF 00405051, ICF International). Date: 05/11/09. DCN: 10724.*

* ***Results above calibration range, denoted by an "E" flag, are qualified J (estimated) in Amended Table 1A. Results from the diluted analyses should be used.***

Data users should note that the diluted concentrations for some analytes in following samples are significantly lower than the undiluted concentrations.

Sample	Analyte	Undiluted Conc., µg/L	Diluted Conc., µg/L
Y4N71	Tetrachloroethene	210	120
Y4N72	Tetrachloroethene	260	120
Y4N76	1,1,1-Trichloroethane	9100	820
Y4N76	Trichloroethene	11000	2000U
Y4N76	Tetrachloroethene	79000	49000
Y4N77	Tetrachloroethene	130	42
Y4N81	Trichloroethene	120	47
Y4N81	Tetrachloroethene	1800	540
Y4N83	Tetrachloroethene	53	25

Samples Y4N85, Y4N86, and Y4N87 were received by the laboratory with a cooler temperature of 7°C which exceeds the 4+2°C sample preservation criterion. Since the cooler temperature is below 10°C, no adverse effect on data quality is expected.

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Blanks

Blanks	**VOA_TRACE**
VTLB15	The following trace volatile samples have common contaminant analyte concentrations reported greater than or equal to 4x the CRQL. The associated method blank has common contaminant analytes concentration is less than or equal to 2x the concentration criteria. Detected and nondetected compounds are not qualified.
	Methylene chloride Y4N76
Blanks	**VOA_TRACE**
VTLB48	The following trace volatile samples have common contaminant analyte concentrations reported greater than or equal to 4x the CRQL. The associated storage blank has common contaminant analytes concentration is less than or equal to 2x the concentration criteria. Detected and nondetected compounds are not qualified.
	Methylene chloride Y4N76

Lab *MITKEM (Mitkem Corporation)* ***SDG*** *Y4N71* ***Case*** *38274* ***Contract*** *EPW05030* ***Region*** *9* ***DDTID*** *69891* ***SOW*** *SOM01.2*

Data Review Results

Continuing Calibration Verification

Continuing Calibration Verification	***VOA_TRACE***
VTC8	*The following trace volatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.*
	VBLKC5, VBLKD5, Y4N71DL, Y4N72DL, Y4N74, Y4N75, Y4N76DL, Y4N77DL, Y4N78, Y4N79, Y4N80, Y4N82, Y4N83DL, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91
	Bromomethane *VSTD005C5, VSTD005D5*
	VBLKC5, VBLKD5, Y4N71DL, Y4N72DL, Y4N74, Y4N75, Y4N76DL, Y4N77DL, Y4N78, Y4N79, Y4N80, Y4N82, Y4N83DL, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

DMC/Surrogate

DMC/Surrogate	VOA_TRACE
VTDSS2	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y4N72, Y4N74, Y4N75, Y4N76, Y4N78, Y4N79, Y4N80, Y4N81, Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91
	Benzene-d6 Y4N76, Y4N81
	Benzene
	Chloroethane-d5 Y4N76
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
	Toluene-d8 Y4N76, Y4N81
	Ethylbenzene, Isopropylbenzene, Styrene, Tetrachloroethene, Toluene, Trichloroethene, m,p-Xylene, o-Xylene
*	**1,1-Dichloroethene-d2** Y4N74, Y4N75, Y4N76, Y4N78, Y4N79, Y4N80, Y4N81, Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91, **Y4N71DL, Y4N72DL, Y4N76DL, Y4N77DL, Y4N83DL**
	1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene
	1,1,2,2-Tetrachloroethane-d2 Y4N81
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane
	2-Hexanone-d5 Y4N76
	2-Hexanone, 4-Methyl-2-pentanone
	Vinyl chloride-d3 Y4N72, Y4N76, Y4N83, Y4N89
	Vinyl chloride
	Chloroform-d Y4N76
	1,1-Dichloroethane, Bromochloromethane, Bromoform, Chloroform, Dibromochloromethane
	trans-1,3-Dichloropropene-d4 Y4N76, Y4N81
	1,1,2-Trichloroethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene
	1,2-Dichloropropane-d6 Y4N76, Y4N81
	1,2-Dichloropropane, Bromodichloromethane, Cyclohexane, Methylcyclohexane
DMC/Surrogate	VOA_TRACE

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

DMC/Surrogate

VTDSS3	The following trace volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	Y4N76, Y4N77, Y4N78, Y4N82, Y4N89, Y4N90, Y4N91
	1,2-Dichloroethane-d4 Y4N77
	1,1,1-Trichloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-Dibromoethane, 1,2-Dichloroethane, Carbon tetrachloride, Methyl acetate, Methyl tert-butyl ether, Methylene chloride, Trichlorofluoromethane
*	**Chloroethane-d5** Y4N77, Y4N78, **Y4N72DL**
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
*	**1,2-Dichlorobenzene-d4** Y4N78, Y4N82, Y4N89, Y4N90, Y4N91, **Y4N76DL, Y4N83DL**
	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Chlorobenzene
	1,1,2,2-Tetrachloroethane-d2 Y4N76
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Detection Limit

Detection Limit	VOA_TRACE
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	VBLK5V, VBLKC5, VBLKD5, VHBLKG5, Y4N71, Y4N72, Y4N76DL, Y4N79, Y4N83, Y4N83DL, Y4N84, Y4N85, Y4N87, Y4N90
	Tetrachloroethene Y4N87
	cis-1,2-Dichloroethene Y4N85
	trans-1,2-Dichloroethene Y4N72
	Methyl tert-butyl ether Y4N71, Y4N72
	Chloroform Y4N79, Y4N83DL, Y4N84
	1,1,1-Trichloroethane Y4N76DL
	Methylene chloride VBLK5V, VBLKC5, VBLKD5, VHBLKG5
	1,1-Dichloroethane Y4N71, Y4N72, Y4N83
	Trichloroethene Y4N90

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Initial Calibration

Initial Calibration	VOA_SIM
VTC15	The following volatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	VBLK5Y, VBLKJ5, VHBLKJ5, Y4N71, Y4N72, Y4N74, Y4N75, Y4N77, Y4N78, Y4N79, Y4N80, Y4N81, Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91
	1,2-Dibromo-3-chloropropane VSTD0.055X, VSTD0.05J5, VSTD0.15X, VSTD0.1J5, VSTD0.5J5, VSTD1.0J5, VSTD2.05X, VSTD2.0J5
	VBLKJ5, VHBLKJ5, Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91

Lab MITKEM (Mitkem Corporation) **SDG** Y4N71 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 69891 **SOW** SOM01.2

Data Review Results

Internal Standard

Internal Standard		VOA_TRACE
VTIS3	*	The following volatile samples have internal standard area counts that are outside the upper limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are ~~not qualified~~ **qualified J (Region 9 modification)**.
		1,4-Difluorobenzene Y4N77
Internal Standard		**VOA_TRACE**
VTIS31		The following trace volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	*	**Chlorobenzene-d5** Y4N76, ~~Y4N81~~
	*	~~**1,4-Dichlorobenzene-d4** Y4N76~~
	*	**The following trace volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are qualified J (area counts >25%; Region 9 modification).**
	*	**Chlorobenzene-d5 Y4N81**
	*	**1,4-Dichlorobenzene-d4 Y4N76**

TIC	***VOA_TRACE***
VTTIC1	*A library search indicates a match at or above 85% for a TIC compound in the trace volatile sample Detected compounds are qualified NJ. Nondetected compounds are not qualified.*
	354-23-4 *Y4N83*
TIC	***VOA_TRACE***
VTTIC2	*A library search indicates a match below 85% for a TIC compound in the trace volatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.*
	Y4N71, Y4N72, Y4N76
	Unknown-01 *Y4N72, Y4N76*
	Unknown-02 *Y4N71, Y4N76*
	Unknown-03 *Y4N76*
	Unknown-04 *Y4N76*
	Unknown-05 *Y4N76*

*Modified by ESAT. Changes (*) are based on hardcopy Tier 1A forms review (of VOA_TRACE data only) and shown as ~~strikethrough~~ and **underline bold**. Reviewer: Santiago Lee (EPA Contract EPW06041, TDF 00405051, ICF International). Date: 05/11/09. DCN: 10725.*

* ***Results above calibration range, denoted by an "E" flag, are qualified J (estimated) in Amended Table 1A. Results from the diluted analyses should be used.***

Data users should note that the diluted concentrations for some analytes in following samples are significantly lower than the undiluted concentrations.

Sample	*Analyte*	*Undiluted Conc., µg/L*	*Diluted Conc., µg/L*
Y4NC4	*Trichlorofluoromethane*	*31*	*14*
Y4NC4	*1,1,2-Trichloro-1,2,2-trifluoromethane*	*79*	*30*
Y4NC4	*Tetrachloroethene*	*130*	*74*
Y4NC5	*Tetrachloroethene*	*120*	*84*

* ***The following results are qualified UJ or J (estimated) in Amended Table 1A due to low relative response factors (RRFs).***

- ***Acetone in samples Y4NC3, Y4NC2DL, Y4NC4DL, Y4NC5DL, and Y4NC6DL; method blanks VBLKN6 and VBLKS6; and storage blank VHBLKS6***
- ***2-Butanone in all samples, all method blanks, and storage blank VHBLKS6***
- ***1,2-Dibromo-3-chloropropane in samples Y4NB3DL, Y4NB4DL, Y4NC3, Y4NC2DL, Y4NC4DL, Y4NC5DL, and Y4NC6DL; method blanks VBLKW5, VBLKN6, and VBLKS6; and storage blank VHBLKS6***

RRFs <0.05 and >0.01 were reported for acetone, 2-butanone, and 1,2-dibromo-3-chloropropane in initial calibrations and continuing calibration verifications (CCVs) (Region 9 modification). Since qualified results are nondetected, false negatives may exist.

The R-flags for dichlorodifluoromethane, chloromethane, bromomethane, chloroethane, and carbon disulfide in sample Y4NB3 are sustained since the recovery for DMC chloroethane-d5 is <20.0% (18%).

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

Blanks

Blanks	**VOA_TRACE**
VTLB11	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated method blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	Methylene chloride Y4NC2DL, Y4NC3, Y4NC4DL, Y4NC5DL, Y4NC6DL
Blanks	**VOA_TRACE**
VTLB44	The following trace volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated storage blank has common contaminant analyte concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	Methylene chloride Y4NC2DL, Y4NC3, Y4NC4DL, Y4NC5DL, Y4NC6DL

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

Continuing Calibration Verification

Continuing Calibration Verification	**VOA_SIM**
VTC14	The following trace volatile samples are associated with a CCV with relative response factors (RRF50) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	VBLK6J, VBLKM6, VHBLKM6, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7
	1,2-Dibromo-3-chloropropane VSTD0.56J, VSTD0.5M6
	VBLK6J, VBLKM6, VHBLKM6, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7
Continuing Calibration Verification	**VOA_TRACE**
VTC8	The following trace volatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	VBLKV5, VBLKW5, Y4NB2, Y4NB3, Y4NB3DL, Y4NB4, Y4NB4DL, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD, Y4NC7
	Bromoform VSTD005W5
	VBLKW5, Y4NB3DL, Y4NB4DL
	1,2,3-Trichlorobenzene VSTD005V5
	VBLKV5, Y4NB2, Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD, Y4NC7

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

DMC/Surrogate

DMC/Surrogate	VOA_TRACE
VTDSS2	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD
*	**1,1-Dichloroethene-d2** Y4NB3, Y4NB4, Y4NB6, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD, **Y4NC6DL**
	1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene
	Chloroform-d Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD
	1,1-Dichloroethane, Bromochloromethane, Bromoform, Chloroform, Dibromochloromethane
	trans-1,3-Dichloropropene-d4 Y4NB5, Y4NC6, Y4NC6MS, Y4NC6MSD
	1,1,2-Trichloroethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene
DMC/Surrogate	**VOA_TRACE**
VTDSS3	The following trace volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	Y4NB2, Y4NB4, Y4NC0
	Chloroethane-d5 Y4NB2, Y4NB4
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane
*	**1,1,2,2-Tetrachloroethane-d2** Y4NB2, Y4NC0, **Y4NB3DL**
	1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane
DMC/Surrogate	**VOA_TRACE**
VTDSS5	The following trace volatile samples have DMC/SMC recoveries below the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified R.
	Chloroethane-d5 Y4NB3
	Bromomethane, Carbon disulfide, Chloroethane, Chloromethane, Dichlorodifluoromethane

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

Detection Limit

Detection Limit	VOA_TRACE
VTDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	VBLKN6, VBLKS6, Y4NB3DL, Y4NB4DL, Y4NC0, Y4NC1, Y4NC2, Y4NC2DL, Y4NC3, Y4NC4, Y4NC4DL, Y4NC5, Y4NC5DL, Y4NC6DL, Y4NC7
	Tetrachloroethene Y4NC0, Y4NC7
	cis-1,2-Dichloroethene Y4NB3DL, Y4NB4DL, Y4NC2, Y4NC2DL, Y4NC4DL, Y4NC5DL, Y4NC6DL
	Chloroform Y4NC2, Y4NC2DL
	Methylene chloride VBLKN6, VBLKS6, Y4NC2DL, Y4NC3
	1,1-Dichloroethane Y4NC4, Y4NC5
	Trichloroethene Y4NC0, Y4NC1

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

Initial Calibration

Initial Calibration	VOA_SIM
VTC15	The following volatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	VBLK6J, VBLKJ6, VBLKM6, VHBLKM6, Y4NB2, Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7
	1,2-Dibromo-3-chloropropane VSTD0.05J6, VSTD0.1J6, VSTD0.5J6, VSTD1.0J6, VSTD2.0J6
	VBLK6J, VBLKJ6, VBLKM6, VHBLKM6, Y4NB2, Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7

Lab MITKEM (Mitkem Corporation) **SDG** Y4NB2 **Case** 38274 **Contract** EPW05030 **Region** 9 **DDTID** 70218 **SOW** SOM01.2

Data Review Results

Matrix Spikes

Matrix Spikes	**VOA_TRACE**
VTMS2 *	The relative percent difference (RPD) between the following volatile matrix spike and matrix spike duplicate recoveries is outside criteria. ~~Detected compounds are qualified J. Nondetected compounds are not qualified~~ **The RPDs for 1,1-dichloroethene and trichloroethene are not meaningful because sample concentrations (148 ug/L and 256, respectively) are much higher than the spike concentration of 5.0 ug/L**.
	1,1-Dichloroethene Y4NC6MS, Y4NC6MSD
	Trichloroethene Y4NC6MS, Y4NC6MSD
Matrix Spikes	**VOA_TRACE**
VTMS3 *	The following trace volatile matrix spike/matrix spike duplicate samples have percent recoveries greater than the upper acceptance criteria. ~~Detected compounds are qualified J. Nondetected compounds are not qualified~~ **The recoveries for 1,1-dichloroethene and trichloroethene are not meaningful because sample concentrations (148 ug/L and 256, respectively) are much higher than the spike concentration of 5.0 ug/L**.
	1,1-Dichloroethene Y4NC6MS, Y4NC6MSD
	Trichloroethene Y4NC6MS, Y4NC6MSD

TIC	*VOA_TRACE*
VTTIC2	*A library search indicates a match below 85% for a TIC compound in the trace volatile sample Detected compounds are qualified J. Nondetected compounds are not qualified.*
	Unknown-01 *Y4NB6*

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300; Fax: (510) 412-2304.

MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405058

DATE: *June 1, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38275*
SDG No.:	*Y4Q41*
Laboratory:	*CompuChem (LIBRTY)*
Analysis:	*1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles Selective Ion Monitoring (SIM)*
Samples:	*20 Ground Water Samples (see Case Summary)*
Collection Date:	*April 7, 2009*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Cynthia Gurley, CLP PO USEPA Region 4

Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [ ] Yes [X] No

Data Validation Report - Tier 3

Case No.: *38275*
SDG No.: *Y4Q41*
Site: *Omega Chem OU2*
Laboratory: *CompuChem (LIBRTY)*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *June 1, 2009*

I. Case Summary

Sample Information

Samples:	*Y4Q41 through Y4Q60*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles SIM*
SOW:	*SOM01.2*
Collection Date:	*April 7, 2009*
Sample Receipt Date:	*April 8, 2009*
Extraction Date:	*Not Applicable*
Analysis Date:	*April 15 and 16, 2009*

Field QC

Field Blanks (FB):	*Y4Q62 and Y4Q68 (in SDG Y4Q61)*
Equipment Blanks (EB):	*Not Provided*
Trip Blanks (TB):	*Not Provided*
Background Samples (BG):	*Not Provided*
Field Duplicates (D1):	*Y4Q52 and Y4Q53*
Field Duplicates (D2):	*Y4Q55 and Y4Q56*

Laboratory QC

Method Blanks & Associated Samples:

VBLKJH:	*Y4Q42 through Y4Q45, Y4Q48 through Y4Q52*
VBLKDO:	*Y4Q41, Y4Q46, Y4Q47, Y4Q53 through Y4Q55, Y4Q57, Y4Q60*
VBLKJK:	*Y4Q58, Y4Q59, Y4Q56; storage blank VHBLKYA*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

Results for 1,2-dibromo-3-chloropropane in samples Y4Q42 through Y4Q45 and Y4Q48 through Y4Q52 are qualified as estimated (J) due to calibration problems (see Comments A and B).

Sampling Issues

None.

Additional Comments

The laboratory performed manual integrations on calibrations and samples due to incorrect auto integration. Manual integrations were reviewed and found to be satisfactory and in compliance with proper integration techniques.

Matrix spike/matrix spike duplicate (MS/MSD) analysis was not required. Consequently, matrix-specific accuracy and precision could not be evaluated.

Standard preparation logs are not included in the data package and cannot be evaluated. This information was requested from the laboratory but has not been received to date. Data are not qualified in this report due to missing standard preparation logs.

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
99.	*Holding Time/Preservation*	*Yes*	
100.	*GC/MS Tune/GC Performance*	*Yes*	
101.	*Initial Calibration*	*Yes*	
102.	*Continuing Calibration Verification*	*No*	*A, B*
103.	*Laboratory Blanks*	*Yes*	

104.	*Field Blanks*	*Yes*	
105.	*Deuterated Monitoring Compounds*	*Yes*	
106.	*Matrix Spike/Matrix Spike Duplicate*	*N/A*	
107.	*Laboratory Control Samples/Duplicate*	*N/A*	
108.	*Internal Standards*	*Yes*	
109.	*Compound Identification*	*Yes*	
110.	COMPOUND QUANTITATION	YES	C
111.	SYSTEM PERFORMANCE	YES	
112.	*Field Duplicate Sample Analysis*	*Yes*	

N/A = Not Applicable

III. Validity AND Comments

A. Results for the following analyte are qualified as estimated due to a low relative response factor (RRF) in a continuing calibration verification (CCV) and are flagged "J" in Table 1A.

- *1,2-Dibromo-3-chloropropane in samples Y4Q42 through Y4Q45 and Y4Q48 through Y4Q52 and method blank VBLKJH*

A RRF of 0.037 was reported for 1,2-dibromo-3-chloropropane in the 04/15/09 17:12 CCV. Since results are nondetected, false negatives may exist.

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

B. Results for the following analyte are qualified as estimated due to a large %D in a CCV and are flagged "J" in Table 1A.

- *1,2-Dibromo-3-chloropropane in samples Y4Q42 through Y4Q45 and Y4Q48 through Y4Q52 and method blank VBLKJH*

A %D of -43.5% was reported for 1,2-dibromo-3-chloropropane in the 04/15/09 17:12 CCV. This value exceeds the ±40.0% validation criterion for opening CCVs.

The continuing calibration verification checks satisfactory performance of the instrument on a day-to-day basis.

C. The laboratory reported a sample quantitation limit of 0.050 ug/L for 1,2-dibromo-3-chloropropane. However, the instrument response for the 0.050 ug/L initial calibration standard was only 53 area counts with a signal-to-noise ratio of less than 1:5, which are

very low (refer to pages 1103 and 1105 in data package). In the reviewer's professional judgment, the sample quantitation limit should be raised to 0.10 ug/L, the standard having a higher area count of 120 and a signal-to-noise ratio of greater than 1:5 (refer to pages 1111 and 1113 in data package). Non-detected results are reported as 0.10U in Table 1A.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," July 2007.

U	*The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*
L	*Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*
J	*The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*
NJ	*The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*
UJ	*The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*
R	*The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300 Fax: (510) 412-2304

MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405090 Amendment 2

DATE: *December 14, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38940*
SDG No.:	*Y5129*
Laboratory:	*KAP Technologies, Inc. (KAP)*
Analysis:	*1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles Selective Ion Monitoring (SIM)*
Samples:	*2 Ground Water Samples (see Case Summary)*
Collection Date:	*September 15, 2009*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: *Ray Flores, CLP PO USEPA Region 6*
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [ ] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No

Case No.: *38940*
SDG No.: *Y5129*
Site: *Omega Chem OU2*
Laboratory: *KAP Technologies, Inc. (KAP)*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *December 14, 2009*

I. Case Summary

Sample Information

Samples:	*Y5129 and Y5130*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles SIM*
SOW:	*SOM01.2*
Collection Date:	*September 15, 2009*
Sample Receipt Date:	*September 17, 2009*
Extraction Date:	*Not Applicable*
Analysis Date:	*September 25, 2009*

Field QC

Field Blanks (FB):	*Not provided*
Equipment Blanks (EB):	*Not provided*
Trip Blanks (TB):	*Not provided*
Background Samples (BG):	*Not provided*
Field Duplicates (D1):	*Not provided*

Laboratory QC

Method Blanks & Associated Samples:

VBLK46: *Y5129, Y5130; storage blank VHBLK02*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

None.

Sampling Issues

1. *The sampler signature is missing on the traffic report and chain of custody record (TR/COC) (refer to page 4 in the data package).*

2. *No sample was designated for "laboratory QC" on the TR/COC and the matrix spike/matrix spike duplicate (MS/MSD) analysis was not performed. Consequently, the matrix-specific accuracy and precision could not be evaluated.*

Additional Comments

The laboratory performed manual integrations on calibrations due to incorrect auto integration. Manual integrations were reviewed and found to be satisfactory and in compliance with proper integration techniques.

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	*Acceptable*	*Comment*
113.	*Holding Time/Preservation*	*Yes*	
114.	*GC/MS Tune/GC Performance*	*Yes*	
115.	*Initial Calibration*	*Yes*	
116.	*Continuing Calibration Verification*	*Yes*	

117.	*Laboratory Blanks*	*Yes*
118.	*Field Blanks*	*N/A*
119.	*Deuterated Monitoring Compounds*	*Yes*
120.	*Matrix Spike/Matrix Spike Duplicate*	*N/A*
121.	*Laboratory Control Sample/Duplicate*	*N/A*
122.	*Internal Standards*	*Yes*
123.	*Compound Identification*	*Yes*
124.	*Compound Quantitation*	*Yes*
125.	*System Performance*	*Yes*
126.	*Field Duplicate Sample Analysis*	*N/A*

N/A = Not Applicable

III. OVERALL ASSESSMENT OF DATA

All method requirements specified in the USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.2 (April 2007) have been met. Results for analytes in the samples were reported correctly.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," June 2008.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

Appendix G-3

1,4-Dioxane (Semivolatile)

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300; Fax: (510) 412-2304.

MEMORANDUM

TO: *Chris Lichens, Remedial Project Manager*
Site Cleanup Section 4, SFD-7-4

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00105132

DATE: *April 7, 2008*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*37203*
SDG No.:	*Y3WK7*
Laboratory:	*Mitkem Laboratories (MITKEM)*
Analysis:	*1,4-Dioxane (Semivolatile)*
Samples:	*18 Ground Water Samples (see Case Summary)*
Collection Date:	*February 28 and 29, 2008 and March 3, 2008*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Jennie Han-Liu, CLP PO USEPA Region 1

Steve Remaley, CLP PO USEPA Region 9

CLP PO: [ ] Attention [ ] Action

SAMPLING ISSUES: [ ] Yes [X] No
Data Validation Report - Tier 3

Case No.: *37203*
SDG No.: *Y3WK7*
Site: *Omega Chem OU2*
Laboratory: *Mitkem Laboratories*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *April 7, 2007*

I. Case Summary

Sample Information

Samples:	*Y3WK7 through Y3WL6 and Y3WL8 through Y3WM5*
Concentration and Matrix:	*Low/Medium Concentration Water*
Analysis:	*1,4-Dioxane (Semivolatile)*
SOW:	*SOM01.2 and Modified Analysis 1363.6*
Collection Date:	*February 28 and 29, 2008 and March 3, 2008*
Sample Receipt Date:	*February 29, 2008 and March 3 and 4, 2008*
Extraction Date:	*March 2, 3, and 5, 2008*
Analysis Date:	*March 3, 4, and 7, 2008*

Field QC

Field Blanks (FB):	*Not Provided*
Equipment Blanks (EB):	*Not Provided*
Background Samples (BG):	*Not Provided*
Field Duplicates (D1):	*Y3WL2 and Y3WL3*
Field Duplicates (D2):	*Y3WM4 and Y3WM5*

Laboratory QC

Method Blanks & Associated Samples:

SBLK2N:	*Y3WK7*
SBLK2O:	*Y3WK8 through Y3WL6*
SBLK2P:	*Y3WL8 through Y3WM5*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

None.

Sampling Issues

None.

Additional Comments

Matrix spike/matrix spike duplicate (MS/MSD) analysis was not performed by the laboratory. Consequently, matrix-specific accuracy and precision could not be evaluated.

This report was prepared in accordance with the following documents:

- ESAT Region 9 Standard Operating Procedure 901, *Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages*;
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration,* SOM01.1, May 2005;
- *Modifications Updating SOM01.1 to SOM01.2,* Amended April 11, 2007; and
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, July 2007.

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
127.	*Holding Time/Preservation*	*Yes*	
128.	*GC/MS Tune/GC Performance*	*Yes*	
129.	*Initial Calibration*	*Yes*	
130.	*Continuing Calibration Verification*	*Yes*	
131.	*Laboratory Blanks*	*Yes*	
132.	*Field Blanks*	*N/A*	
133.	*Deuterated Monitoring Compounds*	*Yes*	
134.	*Matrix Spike/Matrix Spike Duplicate*	*N/A*	
135.	*Laboratory Control Samples/Duplicate*	*N/A*	
136.	*Internal Standards*	*Yes*	
137.	*Compound Identification*	*Yes*	
138.	COMPOUND QUANTITATION	YES	A
139.	SYSTEM PERFORMANCE	YES	
140.	*Field Duplicate Sample Analysis*	*Yes*	

N/A = Not Applicable

III. Validity AND Comments

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- All detected results below the contract required quantitation limits

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," January 2005.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

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ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300; Fax: (510) 412-2304.

MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405051

DATE: *April 23, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38274*
SDG No.:	*Y4N51*
Laboratory:	*Mitkem Laboratories (MITKEM)*
Analysis:	*1,4-Dioxane (Semivolatile)*
Samples:	*18 Ground Water Samples (see Case Summary)*
Collection Date:	*March 2 through 5, 2009*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Jennie Han-Liu, CLP PO USEPA Region 1

Steve Remaley, CLP PO USEPA Region 9

CLP PO: [ ] Attention [ ] Action

SAMPLING ISSUES: [ ] Yes [X] No

Case No.: *38274*
SDG No.: *Y4N51*
Site: *Omega Chem OU2*
Laboratory: *Mitkem Laboratories*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *April 23, 2009*

I. Case Summary

Sample Information

Samples:	*Y4N51 through Y4N53, Y4N55 through Y4N62, Y4N64 through Y4N66, Y4N68 through Y4N70, and Y4N73*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*1,4-Dioxane (Semivolatile)*
SOW:	*SOM01.2 and Modified Analysis 1679.2*
Collection Date:	*March 2 through 5, 2009*
Sample Receipt Date:	*March 3 through 6, 2009*
Extraction Date:	*March 5 and 6, 2009*
Analysis Date:	*March 9, 2009*

Field QC

Field Blanks (FB):	*Not Provided*
Equipment Blanks (EB):	*Not Provided*
Background Samples (BG):	*Not Provided*
Field Duplicates (D1):	*Y4N60 and Y4N61*

1aboratory QC

Method Blanks & Associated Samples:

SBLK4E:	*Y4N51 through Y4N53, Y4N55 through Y4N61*
SBLK4F:	*Y4N62, Y4N64 through Y4N66, Y4N68 through Y4N70, Y4N73*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

None.

Sampling Issues

None.

Additional Comments

Matrix spike/matrix spike duplicate (MS/MSD) analysis was not required. Consequently, matrix-specific accuracy and precision could not be evaluated.

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, July 2007.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
141.	*Holding Time/Preservation*	*Yes*	
142.	*GC/MS Tune/GC Performance*	*Yes*	
143.	*Initial Calibration*	*Yes*	
144.	*Continuing Calibration Verification*	*Yes*	
145.	*Laboratory Blanks*	*Yes*	
146.	*Field Blanks*	*N/A*	
147.	*Deuterated Monitoring Compounds*	*Yes*	
148.	*Matrix Spike/Matrix Spike Duplicate*	*N/A*	
149.	*Laboratory Control Samples/Duplicate*	*N/A*	
150.	*Internal Standards*	*Yes*	
151.	*Compound Identification*	*Yes*	
152.	COMPOUND QUANTITATION	YES	A
153.	SYSTEM PERFORMANCE	YES	
154.	*Field Duplicate Sample Analysis*	*Yes*	

N/A = Not Applicable

III. Validity AND Comments

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- *All detected results below the contract required quantitation limits*

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," January 2005.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

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ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300; Fax: (510) 412-2304.

MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405083

DATE: *October 27, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38845*
SDG No.:	*Y4ZA6*
Laboratory:	*DataChem Laboratories, Inc. (DATAC)*
Analysis:	*1,4-Dioxane (Semivolatile)*
Samples:	*20 Ground Water Samples (see Case Summary)*
Collection Date:	*September 1 through 3, 2009*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: Carol Beard, CLP PO USEPA Region 6

Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No
Data Validation Report - Tier 3

Case No.: *38845*
SDG No.: *Y4ZA6*
Site: *Omega Chem OU2*
Laboratory: *DataChem Laboratories, Inc. (DATAC)*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *October 27, 2009*

I. Case Summary

Sample Information

Samples:	*Y4ZA6 through Y4ZC5*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*1,4-Dioxane (Semivolatile)*
SOW:	*SOM01.2 and Modified Analysis 1679.2*
Collection Date:	*September 1 through 3, 2009*
Sample Receipt Date:	*September 3 and 4, 2009*
Extraction Date:	*September 8 and 14, 2009*
Analysis Date:	*September 14 and 15, 2009*

Field QC

Field Blanks (FB):	*Y4ZA9 and Y4ZC5*
Equipment Blanks (EB):	*Not Provided*
Background Samples (BG):	*Not Provided*
Field Duplicates (D1):	*Y4ZB7 and Y4ZB8*

Laboratory QC

Method Blanks & Associated Samples:

SBLK03:	*Y4ZA6 through Y4ZB0 and Y4ZB2 through Y4ZC5*
SBLK06:	*Y4ZB1*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

The result for 1,4-dioxane in sample Y4ZB1 is qualified as estimated (J) due to a holding time problem (see Comment B).

Sampling Issues

3. *Samples Y4ZA6 through Y4ZB6 were received by the laboratory with a cooler temperature of 9°C which exceeds the 4±2°C sample preservation criterion. Since the cooler temperature is below 20°C, no adverse effect on data quality is expected.*
4. *The laboratory indicated on sample log-in sheets that the cooler temperature indicator bottle was absent from four of the five coolers (refer to pages 672 through 676 in the data package).*

Additional Comments

Matrix spike/matrix spike duplicate (MS/MSD) analysis was not required. Consequently, matrix-specific accuracy and precision could not be evaluated.

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
155.	*Holding Time/Preservation*	*No*	*B*
156.	*GC/MS Tune/GC Performance*	*Yes*	
157.	*Initial Calibration*	*Yes*	
158.	*Continuing Calibration Verification*	*Yes*	
159.	*Laboratory Blanks*	*Yes*	
160.	*Field Blanks*	*Yes*	
161.	*Deuterated Monitoring Compounds*	*Yes*	
162.	*Matrix Spike/Matrix Spike Duplicate*	*N/A*	
163.	*Laboratory Control Samples/Duplicate*	*N/A*	
164.	*Internal Standards*	*Yes*	
165.	*Compound Identification*	*Yes*	
166.	COMPOUND QUANTITATION	YES	A
167.	SYSTEM PERFORMANCE	YES	

168. Field Duplicate Sample Analysis *Yes*

N/A = Not Applicable

III. Validity AND Comments

A. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- *All detected results below the contract required quantitation limits*

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

B. The result for the following analyte is qualified as estimated due to missed technical holding time and is flagged "J" in Table 1A.

- *1,4-Dioxane in sample Y4ZB1*

The extraction of sample Y4ZB1 exceeded the 7-day 40 CFR 136 (Clean Water Act) technical holding time for water samples as shown below.

Sample	*Date Collected*	*Date Extracted*	*No. of Days Exceeded*
Y4ZB1	*09/02/09*	*09/14/09*	*5*

Since the result is nondetected, a false negative may exist.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," June 2008.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

Appendix G-4

Semivolatiles

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300 Fax: (510) 412-2304

MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405090 Amendment 2

DATE: *December 23, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38940*
SDG No.:	*Y5129*
Laboratory:	*KAP Technologies, Inc. (KAP)*
Analysis:	*Semivolatiles*
Samples:	*2 Ground Water Samples (see Case Summary)*
Collection Date:	*September 15, 2009*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: *Ray Flores, CLP PO USEPA Region 6*
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [X] Action

SAMPLING ISSUES: [X] Yes [ ] No

Case No.: *38940*
SDG No.: *Y5129*
Site: *Omega Chem OU2*
Laboratory: *KAP Technologies, Inc. (KAP)*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *December 23, 2009*

I. Case Summary

Sample Information

Samples:	*Y5129 and Y5130*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*Semivolatiles*
SOW:	*SOM01.2 and Modification Reference No. 1564.3*
Collection Date:	*September 15, 2009*
Sample Receipt Date:	*September 17, 2009*
Extraction Date:	*September 20, 2009*
Analysis Date:	*September 29, 2009 and October 6, 2009*

Field QC

Field Blanks (FB):	*Not provided*
Equipment Blanks (EB):	*Not provided*
Background Samples (BG):	*Not provided*
Field Duplicates (D1):	*Not provided*

Laboratory QC

Method Blanks & Associated Samples:
SBLK27: *Y5129, Y5130*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

Nondetected results for 4-chloroaniline, hexachlorocyclopentadiene, and 3,3'-dichlorobenzidine in samples Y5129 and Y5130 and for 2-nitroaniline, 3-nitroaniline, 2,4-dinitrophenol, 4-nitrophenol, and 4-nitroaniline in sample Y5129 are qualified as rejected (R) due to very low deuterated monitoring compound (DMC) recoveries (<10%) (see Comment A).

CLP PO Attention

1. *Results for some analytes are qualified as estimated (J) due to calibration problems (see Comments C and D).*

2. *Results for some analytes in sample Y5130 are qualified as estimated (J) due to high internal standard (IS) areas (see Comment E).Sampling Issues*

3. *The sampler signature is missing on the traffic report and chain of custody record (TR/COC) (refer to page 4 in the data package).*

4. *The matrix spike/matrix spike duplicate (MS/MSD) analysis was not required. Consequently, the matrix-specific accuracy and precision could not be evaluated.*

Additional Comments

Tentatively identified compounds (TICs) were found in samples Y5129 and Y5130 (see attached Form 1Ks).

The laboratory performed manual integrations on calibrations and samples due to incorrect auto integration. Manual integrations were reviewed and found to be satisfactory and in compliance with proper integration techniques.

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	*Acceptable*	*Comment*
169.	*Holding Time/Preservation*	*Yes*	
170.	*GC/MS Tune/GC Performance*	*Yes*	
171.	*Initial Calibration*	*No*	*C*
172.	*Continuing Calibration Verification*	*No*	*D*

173.	*Laboratory Blanks*	*Yes*	
174.	*Field Blanks*	*N/A*	
175.	*Deuterated Monitoring Compounds*	*No*	*A*
176.	*Matrix Spike/Matrix Spike Duplicate*	*N/A*	
177.	*Laboratory Control Sample/Duplicate*	*N/A*	
178.	*Internal Standards*	*No*	*E*
179.	*Compound Identification*	*Yes*	
180.	COMPOUND QUANTITATION	YES	B
181.	SYSTEM PERFORMANCE	YES	
182.	*Field Duplicate Sample Analysis*	*N/A*	

N/A = Not Applicable

III. Validity AND Comments

A. Nondetected results for the following analytes are qualified as rejected due to very low DMC recoveries and are flagged "R" in Table 1A.

{4-Chloroaniline-d4}

- *4-Chloroaniline, hexachlorocyclopentadiene, and 3,3'-dichlorobenzidine in samples Y5129 and Y5130*

{4-Nitrophenol-d4}

- *2-Nitroaniline, 3-nitroaniline, 2,4-dinitrophenol, 4-nitrophenol, and 4-nitroaniline in sample Y5129*

Recoveries of 3% and 2% were reported for DMC 4-chloroaniline-d4 in samples Y5129 and Y5130, respectively. A recovery of 2% was reported for DMC 4-nitrophenol-d4 in sample Y5129. Samples were not reextracted. The extract for sample Y5130 was reanalyzed with similar results (4-chloroaniline-d4 recovery = 1%). Results from the original analysis of sample Y5130 are presented in Table 1A since the reanalysis results are similar.

Surrogates (e.g., deuterated monitoring compounds (DMCs)) are organic compounds which are similar to the target analytes in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples. All samples are spiked with DMCs prior to purging. DMCs provide information about both the laboratory performance on individual samples and the possible effects of the sample matrix on the analytical results.

B. The following results, denoted with an "L" qualifier, are estimated and flagged "J" in Table 1A.

- *All detected results below the contract required quantitation limits*

Results below the contract required quantitation limits (CRQLs) are considered to be qualitatively acceptable, but quantitatively unreliable, due to the uncertainty in analytical precision near the limit of detection.

C. *Results for the following analytes are qualified as estimated due to large percent relative standard deviations (%RSDs) in initial calibration and are flagged "J" in Table 1A.*

- *2,4-Dinitrotoluene and benzo(k)fluoranthene in samples Y5129 and Y5130*

%RSDs of 31.0% and 20.1% were reported for 2,4-dinitrotoluene and benzo(k)fluoranthene, respectively, in the 09/28/09 initial calibration. These values exceeded the ≤20.0% validation criterion.

D. *Results for the following analyte are qualified as estimated due to a large percent difference (%D) in continuing calibration verification (CCV) and are flagged "J" in Table 1A.*

- *Pentachlorophenol in Y5129 and Y5130*

A %D of -31.5% was reported for pentachlorophenol in the 09/29/09 06:38 CCV. This value exceeded the ±25.0% validation criterion.

The continuing calibration checks the instrument performance daily and produces the relative response factors (RRFs) for target analytes that are used for quantitation.

E. Results for the following analytes are qualified as estimated due to high IS areas and are flagged "J" in Table 1A.

{Chrysene-d12}

- *Pyrene, butylbenzylphthalate, 3,3'-dichlorobenzidine, benzo(a)anthracene, bis(2-ethylhexyl)phthalate and chrysene in sample Y5130*

{Perylene-d12}

- *Di-n-octylphthalate, benzo(a)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene in sample Y5130*

IS areas outside QC limits are shown below.

Sample	*Internal Standard*	*Area*	*QC Limit*
Y5130	*Chryene-d12*	*46213004*	*10756140-21512280*
Y5130	*Perylene-d12*	*37858620*	*8365862-16731725*
Y5130RE	*Chryene-d12*	*46354342*	*10756140-21512280*
Y5130RE	*Perylene-d12*	*38928795*	*8365862-16731725*

Qualified results are considered quantitatively questionable. Sample Y5130 was not reextracted. The extract was reanalyzed with similar results. Results from the original analysis of sample Y5130 are presented in Table 1A since the reanalysis results are similar.

Data users should note that the result for 3,3'-dichlorobenzidine in sample Y5130 has been qualified as rejected (see Comment A).

Internal standards, introduced into every calibration standard, blank, sample, and QC sample, monitor changes in analyte response due to matrix effects and fluctuations in instrument sensitivity throughout the analytical sequence. Internal standards are used to quantitate the concentration of target analytes and surrogate standards.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," June 2008.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

Appendix G-5

Semivolatiles Selective Ion Monitoring (SIM)

ICF international / Laboratory Data Consultants
Environmental Services Assistance Team, Region 9
1337 South 46th Street, Building 201, Richmond, CA 94804-4698
Phone: (510) 412-2300 Fax: (510) 412-2304

MEMORANDUM

TO: *Lynda Deschambault, Remedial Project Manager*
Site Cleanup Section 1, SFD-7-1

THROUGH: *Rose Fong, ESAT Task Order Manager (TOM)*
Quality Assurance (QA) Program, MTS-3

FROM: *Doug Lindelof, Data Review Task Manager*
Region 9 Environmental Services Assistance Team (ESAT)

ESAT Contract No.: EP-W-06-041
Technical Direction Form No.: 00405090 Amendment 2

DATE: *December 14, 2009*

SUBJECT: *Review of Analytical Data, Tier 3*

Attached are comments resulting from ESAT Region 9 review of the following analytical data:

Site:	*Omega Chem OU2*
Site Account No.:	*09 BC QB02*
CERCLIS ID NO.:	*CAD042245001*
Case No.:	*38940*
SDG No.:	*Y5129*
Laboratory:	*KAP Technologies, Inc. (KAP)*
Analysis:	*Semivolatiles Selective Ion Monitoring (SIM)*
Samples:	*2 Ground Water Samples (see Case Summary)*
Collection Date:	*September 15, 2009*
Reviewer:	*Santiago Lee, ESAT/Laboratory Data Consultants (LDC)*

This report has been reviewed by the EPA TOM for the ESAT contract, whose signature appears above.

If there are any questions, please contact Rose Fong (QA Program/EPA) at (415) 972-3812.

Attachment

cc: *Ray Flores, CLP PO USEPA Region 6*
Steve Remaley, CLP PO USEPA Region 9

CLP PO: [X] Attention [ ] Action

SAMPLING ISSUES: [X] Yes [ ] No

Case No.: *38940*
SDG No.: *Y5129*
Site: *Omega Chem OU2*
Laboratory: *KAP Technologies, Inc. (KAP)*
Reviewer: *Santiago Lee, ESAT/LDC*
Date: *December 14, 2009*

I. Case Summary

Sample Information

Samples:	*Y5129 and Y5130*
Concentration and Matrix:	*Low Concentration Water*
Analysis:	*Semivolatiles SIM*
SOW:	*SOM01.2*
Collection Date:	*September 15, 2009*
Sample Receipt Date:	*September 17, 2009*
Extraction Date:	*September 20, 2009*
Analysis Date:	*October 6, 2009*

Field QC

Field Blanks (FB):	*Not provided*
Equipment Blanks (EB):	*Not provided*
Background Samples (BG):	*Not provided*
Field Duplicates (D1):	*Not provided*

Laboratory QC

Method Blanks & Associated Samples:
SBLK27: *Y5129 and Y5130*

Tables

1A: Analytical Results with Qualifications
1B: Data Qualifier Definitions for Organic Data Review

CLP PO Action

None.

CLP PO Attention

Results for pentachlorophenol are qualified as estimated (J) due to low relative response factors (RRFs) in initial calibration and continuing calibration verifications (CCVs) (see Comment A).

Sampling Issues

1. *The sampler signature is missing on the traffic report and chain of custody record (TR/COC) (refer to page 4 in the data package).*

2. *No sample was designated for "laboratory QC" on the TR/COC and the matrix spike/matrix spike duplicate (MS/MSD) analysis was not performed. Consequently, the matrix-specific accuracy and precision could not be evaluated.*

Additional Comments

The laboratory performed manual integrations on calibrations due to incorrect auto integration. Manual integrations were reviewed and found to be satisfactory and in compliance with proper integration techniques.

This report was prepared in accordance with the following documents:

- *ESAT Region 9 Standard Operating Procedure 901, Guidelines for Data Review of Contract Laboratory Program Analytical Services Volatile and Semivolatile Data Packages;*
- *USEPA Contract Laboratory Program Statement of Work for Organics Analysis, Multi-Media, Multi-Concentration, SOM01.1, May 2005;*
- *Modifications Updating SOM01.1 to SOM01.2, Amended April 11, 2007; and*
- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008.*

II. Validation Summary

The data were evaluated based on the following parameters:

	Parameter	Acceptable	Comment
183.	*Holding Time/Preservation*	*Yes*	
184.	*GC/MS Tune/GC Performance*	*Yes*	
185.	*Initial Calibration*	*No*	*A*
186.	*Continuing Calibration Verification*	*No*	*A*
187.	*Laboratory Blanks*	*Yes*	

188.	*Field Blanks*	*N/A*
189.	*Deuterated Monitoring Compounds*	*Yes*
190.	*Matrix Spike/Matrix Spike Duplicate*	*N/A*
191.	*Laboratory Control Sample/Duplicate*	*N/A*
192.	*Internal Standards*	*Yes*
193.	*Compound Identification*	*Yes*
194.	COMPOUND QUANTITATION	YES
195.	SYSTEM PERFORMANCE	YES
196.	*Field Duplicate Sample Analysis*	*N/A*

N/A = Not Applicable

III. Validity AND Comments

A. Results for the following analyte are qualified as estimated due to low RRFs in initial calibration and CCVs and are flagged "J" in Table 1A.

- *Pentachlorophenol in samples Y5129 and Y5130 and method blank SBLK27*

An RRF of 0.0338 was reported for pentachlorophenol in the initial calibration. RRFs of 0.0390 and 0.0370 were reported for pentachlorophenol in 10/06/09 16:11 and 18:53 CCVs, respectively. These values are below the 0.050 validation criterion. Since qualified results are nondetected, false negatives may exist.

The RRF evaluates instrument sensitivity and is used in the quantitation of target analytes.

TABLE 1B

DATA QUALIFIER DEFINITIONS FOR ORGANIC DATA REVIEW

The definitions of the following qualifiers are prepared according to the document, "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review," June 2008.

U — *The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method.*

L — *Indicates results which fall below the Contract Required Quantitation Limit. Results are estimated and are considered qualitatively acceptable but quantitatively unreliable due to uncertainties in the analytical precision near the limit of detection.*

J — *The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).*

NJ — *The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.*

UJ — *The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.*

R — *The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.*

TABLE G-1

Data Validation Summary

Omega Chemical Corporation Superfund Site

Analyte	Method	Precision (Relative % Deviation)	Accuracy (Percent Recovery)	Completeness (Percent)
Trace volatiles	CLP VOA	70 to 130%	**30**	**90**
1,2-dibromoethane, 1,2-dibromo-3-chloropropane	CLP VOA SIM for low detection	70 to 130%	**30**	**90**
1,4 dioxane	CLP for SVOA SIM for low detection	40 to 130%	50	90

Notes:

CLP = Contract Laboratory Program methods and QC limits

VOA = volatile organic analytes

SIM = selective ion monitoring; methodology used with gas chromatography/mass spectroscopy (GC/MS) measurements for lower detection of analytes as needed by regulatory criteria (shown in the Quality Assurance Project Plan Table A-1)

TABLE G-2
Data Validation Summary
Omega Chemical Corporation Superfund Site

SDG	Sample	Analyte	Flag	Reason
Trace Volatiles				
Y3WK7	Y3WM6	Methylene chloride	UJ	MB
	Y3WM3, Y3WM4, Y3WM5	Chloroform	UJ	FB
	All Samples in this SDG	Acetone 1,2-dibromo-3-chloropropane	J (detects)/ UJ (nondetects)	IC/CCV RRF
	Y3WK9, Y3WL0, Y3WL4, and Y3WL7 through Y3WM6	2-Butanone		
	Y3WK7, Y3WK8, Y3WL1 through Y3WL3, Y3WL5, and Y3WL6	1,1-Dichloroethene	J (detects)/ UJ (nondetects)	CCV %D
	Y3WK7, Y3WL2, and Y3WL9	Dichlorodifluoromethane chloromethane bromomethane chloroethane carbon disulfide	J (detects)/ UJ (nondetects)	Surrogates
	Y3WK7, Y3WK8, Y3WL1, and Y3WL2	trans-1,2-Dichloroethene cis-1,2-dichloroethene	J (detects)	
	Y3WL3	cis-1,2-Dichloroethene		
	Y3WL6, Y3WM4, and Y3WM5	1,1-Dichloroethene cis-1,2-dichloroethene		
	Y3WK7	trans-1,2-Dichloroethene	J (detects)/ UJ (nondetects)	Calibration
Y4N51	Y4N55, Y4N57 through Y4N62, Y4N66, and Y4N68	chloroform	UJ	FB
	Y4N53, Y4N55 through Y4N70, and Y4N73	2-Butanone	J (detects)/ UJ (nondetects)	IC/CCV RRF
	Y4N51	Dichlorodifluoromethane chloromethane bromomethane chloroethane carbon disulfide	J (detects)/ UJ (nondetects)	CCV %D
	Y4N57 through Y4N62, Y4N66, Y4N69, and Y4N73	1,1-Dichloroethene cis-1,2-dichloroethene	J (detects)	CCV %D
	Y4N64 and Y4N65	1,1-Dichloroethene trans-1,2-dichloroethene cis-1,2-dichloroethene		
	Y4N68 and Y4N70	1,1-Dichloroethene		
	Y4N64	1,1-Dichloroethane benzene		
	Y4N66	Trichloroethene		
	Y4N58	All analytes except trichloroethene	J (detects)/ UJ (nondetects)	IS
	Y4N59	All analytes except tetrachloroethene		
	Y4N64	1,1,1-Trichloroethane cyclohexane carbon tetrachloride benzene methylcyclohexane 1,2-dichloropropane bromodichloromethane cis-1,3-dichloropropane 4-methyl-2-pentanone toluene trans-1,3-dichloropropene 1,1,2-trichloroethane 2-hexanone dibromochloromethane 1,2-dibromoethane chlorobenzene ethylbenzene o-xylene m,p-xylenes styrene isopropylbenzene 1,1,2,2-tetrachloroethane		
	Y4N57, Y4N61, Y4N64, and Y4N66	Bromoform 1,3-dichlorobenzene 1,4-dichlorobenzene 1,2-dichlorobenzene 1,2-dibromo-3-chloropropane 1,2,4-trichlorobenzene 1,2,3-trichlorobenzene		

TABLE G-2
Data Validation Summary
Omega Chemical Corporation Superfund Site

SDG	Sample	Analyte	Flag	Reason
Y4N71	Y4N76	Methylene chloride	U (detects)	MB
	Y4N76, Y4N81	Benzene	J (detects)	Surrogates
	Y4N76	Bromomethane Carbon disulfide Chloroethane Chloromethane Dichlorodifluoromethane		
	Y4N76, Y4N81	Ethylbenzene Isopropylbenzene Styrene Tetrachloroethene Toluene Trichloroethene m,p-Xylene o-Xylene		
	Y4N74, Y4N75, Y4N76, Y4N78, Y4N79, Y4N80, Y4N81, Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91, Y4N71DL, Y4N72DL, Y4N76DL, Y4N77DL, Y4N83DL	1,1-Dichloroethene cis-1,Dichloroethene trans-1,2-Dichloroethene		
	Y4N81	1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane		
	Y4N76	2-Hexanone 4-Methyl-2-pentanone		
	Y4N72, Y4N76, Y4N83, Y4N89	Vinyl chloride		
	Y4N76	1,1-Dichloroethane Bromochloromethane Bromoform Chloroform Dibromochloromethane		
	Y4N76, Y4N81	1,1,2-Trichloroethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene		
	Y4N76, Y4N81	Bromodichloromethane Cyclohexane Methylcyclohexane		
	Y4N77	1,1,1-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane 1,2-Dibromoethane 1,2-Dichloroethane Carbon tetrachloride Methyl acetate Methyl tert-butyl ether Methylene chloride Trichlorofluoromethane	J (detects)/ UJ (nondetects)	Surrogates
	Y4N77, Y4N78, Y4N72DL	Bromomethane Carbon disulfide Chloroethane Chloromethane Dichlorodifluoromethane		
	Y4N78, Y4N82, Y4N89, Y4N90, Y4N91, Y4N76DL, Y4N83DL	1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Chlorobenzene		
	Y4N76	1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane		
	Y4N77	Analytes associated with 1,4-Difluorobenzene-d4	J (detects)/ UJ (nondetects)	IS
	Y4N76	Analytes associated with Chlorobenzene-d5	J (detects)/ R (nondetects)	
	Y4N81	Analytes associated with Chlorobenzene-d5	J (detects)/ UJ (nondetects)	
	Y4N76	Analytes associated with 1,4-Difluorobenzene-d4		

TABLE G-2
Data Validation Summary
Omega Chemical Corporation Superfund Site

SDG	Sample	Analyte	Flag	Reason
Y4NB2	Y4NC2DL, Y4NC3, Y4NC4DL, Y4NC5DL, Y4NC6DL	Methylene chloride	U (detects)	MB
	Y4NB3DL, Y4NB4DL	Bromoform	J (detects)/ UJ (nondetects)	CCV %D
	Y4NB2, Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD, Y4NC7	1,2,3-Trichlorobenzene		
	Y4NB3, Y4NB4, Y4NB6, Y4NC4, Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD, Y4NC6DL	1,1-Dichloroethene cis-1,2-Dichloroethene trans-1,2-Dichloroethene	J (detects)/ UJ (nondetects)	Surrogates
	Y4NC5, Y4NC6, Y4NC6MS, Y4NC6MSD	1,1-Dichloroethane Bromochloromethane Bromoform Chloroform Dibromochloromethane		
	Y4NB5, Y4NC6, Y4NC6MS, Y4NC6MSD	1,1,2-Trichloroethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene		
	Y4NB2, Y4NB4	Bromomethane Carbon disulfide Chloroethane Chloromethane Dichlorodifluoromethane		
	Y4NB2, Y4NC0, Y4NB3DL	1,1,2,2-Tetrachloroethane 1,2-Dibromo-3-chloropropane		
	Y4NB3	Bromomethane Carbon disulfide Chloroethane Chloromethane Dichlorodifluoromethane		
Y4Q41	Y4Q41 through Y4Q49 and Y4Q55 through Y4Q59	Acetone	UJ	FB/MB
	Y4Q51	2-Butanone	UJ	FB
	All Samples in this SDG	Acetone	J (detects)/ UJ (nondetects)	IC/CCV RRF
	Y4Q46 throughY4Q57	Bromomethane	J (detects)/ UJ (nondetects)	CCV %D
	Y4Q44	cis-1,2-Dichloroethene	J (detects)	Surrogates
	Y4Q50, Y4Q51, Y4Q55, Y4Q56, and Y4Q59	trans-1,2-Dichloroethene cis-1,2-dichloroethene		
	Y4Q53	1,1-Dichloroethene cis-1,2-dichloroethene		
	Y4Q46 through Y4Q49, Y4Q52, Y4Q54, Y4Q57, and Y4Q60	1,1-Dichloroethene trans-1,2-dichloroethene cis-1,2-dichloroethene		
	Y4Q59	1,1-Dichloroethane		
	Y4Q60	1,1-Dichloroethane chloroform		
Y4ZA6	Y4ZA6, Y4ZB1, Y4ZB4, and Y4ZC5	Tetrachloroethene	UJ	FB
	Y4ZB8	Chloromethane		
	All Samples in this SDG	Acetone	J (detects)/ UJ (nondetects)	IC/CCV RRF
	Y4ZA6, Y4ZA7, Y4ZA8, Y4ZB3, Y4ZB5, Y4ZC0, and Y4ZC4	2-Butanone		
	Y4ZB5 and Y4ZB6	trans-1,2-Dichloroethene cis-1,2-dichloroethene	J (detects)	Surrogates
	Y4ZB7 and Y4ZC4	1,1-Dichloroethene cis-1,2-dichloroethene		
	Y4ZB9 and Y4ZC1	1,1-Dichloroethene trans-1,2-dichloroethene cis-1,2-dichloroethene		
Y5129	All Samples in this SDG	Bromomethane	J (detects)/ UJ (nondetects)	IC %RSD

TABLE G-2
Data Validation Summary
Omega Chemical Corporation Superfund Site

SDG	Sample	Analyte	Flag	Reason
1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane by Trace Volatiles Selective Ion Monitoring				
Y3WK7	All Samples in this SDG	1,2-Dibromo-3-chloropropane	J (detects)/ UJ (nondetects)	IC/CCV RRF
Y4N51	No data has been qualified for this SDG.			
Y4Q41	Y4Q42 through Y4Q45 and Y4Q48 through Y4Q52	1,2-Dibromo-3-chloropropane	J (detects)/ UJ (nondetects)	CCV %D
Y5129	No data has been qualified for this SDG.			
Y4N71	Y4N82, Y4N83, Y4N84, Y4N85, Y4N86, Y4N87, Y4N88, Y4N89, Y4N90, Y4N91	1,2-Dibromo-3-chloropropane	J (detects)/ R (nondetects)	IS
Y4NB2	Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7	1,2-Dibromo-3-chloropropane	J (detects)/ R (nondetects)	CCV RRF
	Y4NB2, Y4NB3, Y4NB4, Y4NB5, Y4NB6, Y4NB7, Y4NB8, Y4NB9, Y4NC0, Y4NC1, Y4NC2, Y4NC3, Y4NC4, Y4NC5, Y4NC6, Y4NC7	1,2-Dibromo-3-chloropropane	J (detects)/ R (nondetects)	IS
1,4-Dioxane (Semivolatile)				
Y3WK7	No data has been qualified for this SDG.			
Y4N51	No data has been qualified for this SDG.			
Y4ZA6	Y4ZB1	1,4-Dioxane	J (detects)/ UJ (nondetects)	Holding Time
Semivolatiles				
Y5129	Y5129 and Y5130	4-chloroaniline hexachlorocyclopentadiene 3,3'-dichlorobenzidine	R (nondetects)	Low DMC
	Y5129	2-nitroaniline 3-nitroaniline 2,4-dinitrophenol 4-nitrophenol 4-nitroaniline		
	Y5129 and Y5130	Pentachlorophenol	J (detects)/ UJ (nondetects)	CCV %D
	Y5130	Pyrene butylbenzylphthalate 3,3'-dichlorobenzidine benzo(a)anthracene bis(2-ethylhexyl)phthalate chrysene Di-n-octylphthalate benzo(a)fluoranthene benzo(k)fluoranthene benzo(a)pyrene indeno(1,2,3-cd)pyrene dibenzo(a,h)anthracene benzo(g,h,i)perylene	J (detects)/ UJ (nondetects)	IS
Semivolatiles Selective Ion Monitoring				
Y5129	Y5129 and Y5130	Pentachlorophenol	J (detects)/ UJ (nondetects)	CCV RRF

TABLE G-3
Field Duplicate Summary
Omega Chemical Corporation Superfund Site

Parent Sample	Field Duplicate	Sample Date	Analysis Method	Analyte	Units	Primary Sample			Field Duplicate			RPD
						Value	RL	MDL	Value	RL	MDL	
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	CSVOL	1,4-Dioxane (p-dioxane)	µg/L	0.02 U	2	0.02	0.02 U	2	0.02	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.0005 R	0.05	0.0005	0.0005 R	0.05	0.0005	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	SIMVOL	1,2-Dibromoethane	µg/L	0.0005 U	0.05	0.0005	0.0005 U	0.05	0.0005	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,1,1-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.085 U	0.5	0.085	0.085 U	0.5	0.085	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	0.19 U	0.5	0.19	0.19 U	0.5	0.19	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,1,2-Trichloroethane	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,1-Dichloroethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,1-Dichloroethene	µg/L	0.16 U	0.5	0.16	0.16 U	0.5	0.16	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,2,3-Trichlorobenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,2,4-Trichlorobenzene	µg/L	0.066 U	0.5	0.066	0.066 U	0.5	0.066	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.32 U	0.5	0.32	0.32 U	0.5	0.32	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,2-Dibromoethane	µg/L	0.079 U	0.5	0.079	0.079 U	0.5	0.079	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,2-Dichlorobenzene	µg/L	0.098 U	0.5	0.098	0.098 U	0.5	0.098	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,2-Dichloroethane	µg/L	0.22 U	0.5	0.22	0.22 U	0.5	0.22	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,2-Dichloropropane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,3-Dichlorobenzene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	1,4-Dichlorobenzene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	2-Hexanone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Acetone	µg/L	2 U	5	2	2 U	5	2	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Benzene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Bromochloromethane	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Bromodichloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Bromomethane	µg/L	0.2 U	0.5	0.2	0.2 U	0.5	0.2	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Carbon disulfide	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Carbon tetrachloride	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Chlorobenzene	µg/L	0.087 U	0.5	0.087	0.087 U	0.5	0.087	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Chloroethane	µg/L	0.13 U	0.5	0.13	0.13 U	0.5	0.13	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Chloroform	µg/L	0.12 U	0.5	0.12	0.12 U	0.5	0.12	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Chloromethane	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	cis-1,2-Dichloroethene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	cis-1,3-Dichloropropene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Cyclohexane	µg/L	0.081 U	0.5	0.081	0.081 U	0.5	0.081	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Dibromochloromethane	µg/L	0.078 U	0.5	0.078	0.078 U	0.5	0.078	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Ethylbenzene	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Isopropylbenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	m,p-Xylenes	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Methyl acetate	µg/L	0.39 U	0.5	0.39	0.39 U	0.5	0.39	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Methyl cyclohexane	µg/L	0.092 U	0.5	0.092	0.092 U	0.5	0.092	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Methyl ethyl ketone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Methyl isobutyl ketone	µg/L	0.74 U	5	0.74	0.74 U	5	0.74	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Methyl tert-butyl ether	µg/L	0.12 U	0.5	0.12	0.12 U	0.5	0.12	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	o-Xylene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Styrene	µg/L	0.067 U	0.5	0.067	0.067 U	0.5	0.067	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Tetrachloroethene	µg/L	4.5	0.5	0.096	4.3	0.5	0.096	4.5%
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Toluene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	trans-1,2-Dichloroethene	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	trans-1,3-Dichloropropene	µg/L	0.17 U	0.5	0.17	0.17 U	0.5	0.17	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Trichloroethene	µg/L	0.83	0.5	0.072	0.79	0.5	0.072	4.9%
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Trichlorofluoromethane (Freon 11)	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW18A-W-0-670	OC2-MW18A-W-1-671	27-Feb-08	TVOL	Vinyl chloride	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	CSVOL	1,4-Dioxane (p-dioxane)	µg/L	8.1	2	0.02	7.9	2	0.02	2.5%
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.0005 R	0.05	0.0005	0.0005 J	0.05	0.0005	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	SIMVOL	1,2-Dibromoethane	µg/L	0.0005 U	0.05	0.0005	0.0005 U	0.05	0.0005	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,1,1-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.085 U	0.5	0.085	0.085 U	0.5	0.085	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	11	0.5	0.19	11	0.5	0.19	0.0%
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,1,2-Trichloroethane	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,1-Dichloroethane	µg/L	3.9	0.5	0.1	3.9	0.5	0.1	0.0%
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,1-Dichloroethene	µg/L	15 J	0.5	0.16	17 J	0.5	0.16	12.5%
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,2,3-Trichlorobenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,2,4-Trichlorobenzene	µg/L	0.066 U	0.5	0.066	0.066 U	0.5	0.066	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.32 UJ	0.5	0.32	0.32 UJ	0.5	0.32	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,2-Dibromoethane	µg/L	0.079 U	0.5	0.079	0.079 U	0.5	0.079	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,2-Dichlorobenzene	µg/L	0.098 U	0.5	0.098	0.098 U	0.5	0.098	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,2-Dichloroethane	µg/L	0.22 U	0.5	0.22	0.22 U	0.5	0.22	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,2-Dichloropropane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,3-Dichlorobenzene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	1,4-Dichlorobenzene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	2-Hexanone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Acetone	µg/L	2 UJ	5	2	2 UJ	5	2	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Benzene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Bromochloromethane	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Bromodichloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Bromomethane	µg/L	0.2 U	0.5	0.2	0.2 U	0.5	0.2	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Carbon disulfide	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Carbon tetrachloride	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Chlorobenzene	µg/L	0.087 U	0.5	0.087	0.087 U	0.5	0.087	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Chloroethane	µg/L	0.13 U	0.5	0.13	0.13 U	0.5	0.13	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Chloroform	µg/L	0.62 J	0.5	0.12	0.67 J	0.5	0.12	7.8%
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Chloromethane	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	cis-1,2-Dichloroethene	µg/L	1.4 J	0.5	0.089	1.4 J	0.5	0.089	0.0%
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	cis-1,3-Dichloropropene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Cyclohexane	µg/L	0.081 U	0.5	0.081	0.081 U	0.5	0.081	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Dibromochloromethane	µg/L	0.078 U	0.5	0.078	0.078 U	0.5	0.078	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Ethylbenzene	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Isopropylbenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	m,p-Xylenes	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Methyl acetate	µg/L	0.39 U	0.5	0.39	0.39 U	0.5	0.39	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Methyl cyclohexane	µg/L	0.092 U	0.5	0.092	0.092 U	0.5	0.092	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Methyl ethyl ketone	µg/L	1.7 UJ	5	1.7	1.7 UJ	5	1.7	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Methyl isobutyl ketone	µg/L	0.74 U	5	0.74	0.74 U	5	0.74	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Methyl tert-butyl ether	µg/L	0.12 U	0.5	0.12	0.12 U	0.5	0.12	NC

TABLE G-3
Field Duplicate Summary
Omega Chemical Corporation Superfund Site

Parent Sample	Field Duplicate	Sample Date	Analysis Method	Analyte	Units	Primary Sample			Field Duplicate			RPD
						Value	RL	MDL	Value	RL	MDL	
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	o-Xylene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Styrene	µg/L	0.067 U	0.5	0.067	0.067 U	0.5	0.067	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Tetrachloroethene	µg/L	25	0.5	0.38	25	0.5	0.38	0.0%
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Toluene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	trans-1,2-Dichloroethene	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	trans-1,3-Dichloropropene	µg/L	0.17 U	0.5	0.17	0.17 U	0.5	0.17	NC
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Trichloroethene	µg/L	37	0.5	0.29	38	0.5	0.29	2.7%
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Trichlorofluoromethane (Freon 11)	µg/L	4.3	0.5	0.1	4.1	0.5	0.1	4.8%
OC2-MW20A-W-0-699	OC2-MW20A-W-1-700	03-Mar-08	TVOL	Vinyl chloride	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	CSVOL	1,4-Dioxane (p-dioxane)	µg/L	3.1	2	0.02	3.2	2	0.02	3.2%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.0005 J	0.05	0.0005	0.0005 R	0.05	0.0005	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	SIMVOL	1,2-Dibromoethane	µg/L	0.0005 U	0.05	0.0005	0.0005 U	0.05	0.0005	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,1,1-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.085 U	0.5	0.085	0.085 U	0.5	0.085	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	38	0.5	1.9	31	0.5	1.9	20.3%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,1,2-Trichloroethane	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,1-Dichloroethane	µg/L	0.97	0.5	0.1	1.2	0.5	0.1	21.2%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,1-Dichloroethene	µg/L	25 J	0.5	1.6	24 J	0.5	1.6	4.1%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,2,3-Trichlorobenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,2,4-Trichlorobenzene	µg/L	0.066 U	0.5	0.066	0.066 U	0.5	0.066	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.32 UJ	0.5	0.32	0.32 UJ	0.5	0.32	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,2-Dibromoethane	µg/L	0.079 U	0.5	0.079	0.079 U	0.5	0.079	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,2-Dichlorobenzene	µg/L	0.098 U	0.5	0.098	0.098 U	0.5	0.098	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,2-Dichloroethane	µg/L	1.1	0.5	0.22	0.97	0.5	0.22	12.6%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,2-Dichloropropane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,3-Dichlorobenzene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	1,4-Dichlorobenzene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	2-Hexanone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Acetone	µg/L	2 UJ	5	2	2 UJ	5	2	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Benzene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Bromochloromethane	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Bromodichloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Bromomethane	µg/L	0.2 UJ	0.5	0.2	0.2 U	0.5	0.2	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Carbon disulfide	µg/L	0.1 UJ	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Carbon tetrachloride	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Chlorobenzene	µg/L	0.087 U	0.5	0.087	0.087 U	0.5	0.087	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Chloroethane	µg/L	0.13 UJ	0.5	0.13	0.13 U	0.5	0.13	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Chloroform	µg/L	8.6	0.5	0.12	8.5	0.5	0.12	1.2%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Chloromethane	µg/L	0.15 UJ	0.5	0.15	0.15 U	0.5	0.15	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	cis-1,2-Dichloroethene	µg/L	4.4 J	0.5	0.089	4.3 J	0.5	0.089	2.3%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	cis-1,3-Dichloropropene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Cyclohexane	µg/L	0.081 U	0.5	0.081	0.081 U	0.5	0.081	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Dibromochloromethane	µg/L	0.078 U	0.5	0.078	0.078 U	0.5	0.078	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.15 UJ	0.5	0.15	0.15 U	0.5	0.15	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Ethylbenzene	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Isopropylbenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	m,p-Xylenes	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Methyl acetate	µg/L	0.39 U	0.5	0.39	0.39 U	0.5	0.39	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Methyl cyclohexane	µg/L	0.092 U	0.5	0.092	0.092 U	0.5	0.092	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Methyl ethyl ketone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Methyl isobutyl ketone	µg/L	0.74 U	5	0.74	0.74 U	5	0.74	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Methyl tert-butyl ether	µg/L	0.32 J	0.5	0.12	0.3 J	0.5	0.12	6.5%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	o-Xylene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Styrene	µg/L	0.067 U	0.5	0.067	0.067 U	0.5	0.067	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Tetrachloroethene	µg/L	100	0.5	0.96	100	0.5	0.96	0.0%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Toluene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	trans-1,2-Dichloroethene	µg/L	3.6 J	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	trans-1,3-Dichloropropene	µg/L	0.17 U	0.5	0.17	0.17 U	0.5	0.17	NC
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Trichloroethene	µg/L	43	0.5	0.72	45	0.5	0.72	4.5%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Trichlorofluoromethane (Freon 11)	µg/L	7.4	0.5	0.1	7.7	0.5	0.1	4.0%
OC2-MW25A-W-0-687	OC2-MW25A-W-1-688	29-Feb-08	TVOL	Vinyl chloride	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	CSVOL	1,4-Dioxane (p-dioxane)	µg/L	2.9	2	0.02	2.7	2	0.02	7.1%
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.0005 R	0.05	0.0005	0.0005 R	0.05	0.0005	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	SIMVOL	1,2-Dibromoethane	µg/L	0.0005 U	0.05	0.0005	0.0005 U	0.05	0.0005	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,1,1-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.085 U	0.5	0.085	0.085 U	0.5	0.085	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	120	0.5	1.9	91	0.5	1.9	27.5%
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,1,2-Trichloroethane	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,1-Dichloroethane	µg/L	0.94	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,1-Dichloroethene	µg/L	25 J	0.5	0.16	21 J	0.5	0.16	17.4%
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,2,3-Trichlorobenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,2,4-Trichlorobenzene	µg/L	0.066 U	0.5	0.066	0.066 U	0.5	0.066	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.32 U	0.5	0.32	0.32 U	0.5	0.32	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,2-Dibromoethane	µg/L	0.079 U	0.5	0.079	0.079 U	0.5	0.079	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,2-Dichlorobenzene	µg/L	0.098 U	0.5	0.098	0.098 U	0.5	0.098	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,2-Dichloroethane	µg/L	0.22 U	0.5	0.22	0.22 U	0.5	0.22	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,2-Dichloropropane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,3-Dichlorobenzene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	1,4-Dichlorobenzene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	2-Hexanone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Acetone	µg/L	2 U	5	2	2 U	5	2	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Benzene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Bromochloromethane	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Bromodichloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Bromomethane	µg/L	0.2 U	0.5	0.2	0.2 U	0.5	0.2	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Carbon disulfide	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Carbon tetrachloride	µg/L	0.2 J	0.5	0.099	0.099 U	0.5	0.099	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Chlorobenzene	µg/L	0.087 U	0.5	0.087	0.087 U	0.5	0.087	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Chloroethane	µg/L	0.13 U	0.5	0.13	0.13 U	0.5	0.13	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Chloroform	µg/L	1	0.5	0.12	0.96	0.5	0.12	4.1%
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Chloromethane	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	cis-1,2-Dichloroethene	µg/L	4.8 J	0.5	0.089	4.5 J	0.5	0.089	6.5%
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	cis-1,3-Dichloropropene	µg/L	0.072 U	0.5	0.072	0.21 J	0.5	0.072	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Cyclohexane	µg/L	0.081 U	0.5	0.081	0.081 U	0.5	0.081	NC

TABLE G-3
Field Duplicate Summary
Omega Chemical Corporation Superfund Site

Parent Sample	Field Duplicate	Sample Date	Analysis Method	Analyte	Units	Primary Sample Value	Primary Sample RL	Primary Sample MDL	Field Duplicate Value	Field Duplicate RL	Field Duplicate MDL	RPD
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Dibromochloromethane	µg/L	0.078 U	0.5	0.078	0.078 U	0.5	0.078	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Ethylbenzene	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Isopropylbenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	m,p-Xylenes	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Methyl acetate	µg/L	0.39 U	0.5	0.39	0.39 U	0.5	0.39	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Methyl cyclohexane	µg/L	0.092 U	0.5	0.092	0.092 U	0.5	0.092	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Methyl ethyl ketone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Methyl isobutyl ketone	µg/L	0.74 U	5	0.74	0.74 U	5	0.74	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Methyl tert-butyl ether	µg/L	0.12 U	0.5	0.12	0.12 U	0.5	0.12	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	o-Xylene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Styrene	µg/L	0.067 U	0.5	0.067	0.067 U	0.5	0.067	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Tetrachloroethene	µg/L	73	0.5	0.96	67	0.5	0.96	8.6%
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Toluene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	trans-1,2-Dichloroethene	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	trans-1,3-Dichloropropene	µg/L	0.17 U	0.5	0.17	0.17 U	0.5	0.17	NC
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Trichloroethene	µg/L	99	0.5	0.72	93	0.5	0.72	6.3%
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Trichlorofluoromethane (Freon 11)	µg/L	43	0.5	1	37	0.5	1	15.0%
OC2-MW26C-W-0-709	OC2-MW26C-W-1-710	05-Mar-08	TVOL	Vinyl chloride	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N60	Y4N61	03-Mar-09	CSVOL	1,4-Dioxane (p-dioxane)	µg/L	0.02 U	2	0.02	0.02 U	2	0.02	NC
Y4N60	Y4N61	03-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.0077 R	0.05	0.0077	0.0077 R	0.05	0.0077	NC
Y4N60	Y4N61	03-Mar-09	SIMVOL	1,2-Dibromoethane	µg/L	0.0078 U	0.05	0.0078	0.0078 U	0.05	0.0078	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,1,1-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.085 U	0.5	0.085	0.085 U	0.5	0.085	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	0.19 U	0.5	0.19	0.31 J	0.5	0.19	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,1,2-Trichloroethane	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,1-Dichloroethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,1-Dichloroethene	µg/L	0.44 J	0.5	0.16	0.52 J	0.5	0.16	16.7%
Y4N60	Y4N61	03-Mar-09	TVOL	1,2,3-Trichlorobenzene	µg/L	0.075 U	0.5	0.075	0.5 J	0.5	0.075	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,2,4-Trichlorobenzene	µg/L	0.066 U	0.5	0.066	0.5 J	0.5	0.066	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.32 U	0.5	0.32	0.5 J	0.5	0.32	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,2-Dibromoethane	µg/L	0.079 U	0.5	0.079	0.079 U	0.5	0.079	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,2-Dichlorobenzene	µg/L	0.098 U	0.5	0.098	0.5 J	0.5	0.098	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,2-Dichloroethane	µg/L	0.22 U	0.5	0.22	0.22 U	0.5	0.22	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,2-Dichloropropane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,3-Dichlorobenzene	µg/L	0.082 U	0.5	0.082	0.5 J	0.5	0.082	NC
Y4N60	Y4N61	03-Mar-09	TVOL	1,4-Dichlorobenzene	µg/L	0.072 U	0.5	0.072	0.5 J	0.5	0.072	NC
Y4N60	Y4N61	03-Mar-09	TVOL	2-Hexanone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Acetone	µg/L	2 U	5	2	2 U	5	2	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Benzene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Bromochloromethane	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Bromodichloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.5 J	0.5	0.11	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Bromomethane	µg/L	0.2 U	0.5	0.2	0.2 U	0.5	0.2	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Carbon disulfide	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Carbon tetrachloride	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Chlorobenzene	µg/L	0.087 U	0.5	0.087	0.087 U	0.5	0.087	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Chloroethane	µg/L	0.13 U	0.5	0.13	0.13 U	0.5	0.13	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Chloroform	µg/L	0.24 UJ	0.5	0.24	0.48 UJ	0.5	0.48	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Chloromethane	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
Y4N60	Y4N61	03-Mar-09	TVOL	cis-1,2-Dichloroethene	µg/L	1.2 J	0.5	0.089	1.4 J	0.5	0.089	15.4%
Y4N60	Y4N61	03-Mar-09	TVOL	cis-1,3-Dichloropropene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Cyclohexane	µg/L	0.081 U	0.5	0.081	0.081 U	0.5	0.081	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Dibromochloromethane	µg/L	0.078 U	0.5	0.078	0.078 U	0.5	0.078	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Ethylbenzene	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Isopropylbenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
Y4N60	Y4N61	03-Mar-09	TVOL	m,p-Xylenes	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Methyl acetate	µg/L	0.39 U	0.5	0.39	0.39 U	0.5	0.39	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Methyl cyclohexane	µg/L	0.092 U	0.5	0.092	0.092 U	0.5	0.092	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Methyl ethyl ketone	µg/L	1.7 UJ	5	1.7	1.7 UJ	5	1.7	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Methyl isobutyl ketone	µg/L	0.74 U	5	0.74	0.74 U	5	0.74	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Methyl tert-butyl ether	µg/L	0.12 U	0.5	0.12	0.12 U	0.5	0.12	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N60	Y4N61	03-Mar-09	TVOL	o-Xylene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Styrene	µg/L	0.067 U	0.5	0.067	0.067 U	0.5	0.067	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Tetrachloroethene	µg/L	15	0.5	0.19	33	0.5	0.38	75.0%
Y4N60	Y4N61	03-Mar-09	TVOL	Toluene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N60	Y4N61	03-Mar-09	TVOL	trans-1,2-Dichloroethene	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N60	Y4N61	03-Mar-09	TVOL	trans-1,3-Dichloropropene	µg/L	0.17 U	0.5	0.17	0.17 U	0.5	0.17	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Trichloroethene	µg/L	3.7	0.5	0.072	4.3	0.5	0.072	15.0%
Y4N60	Y4N61	03-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N60	Y4N61	03-Mar-09	TVOL	Vinyl chloride	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N71	Y4N72	05-Mar-09	CSVOL	1,4-Dioxane (p-dioxane)	µg/L	13	2	0.02	13	2	0.02	0.0%
Y4N71	Y4N72	05-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.0077 R	0.05	0.0077	0.0077 R	0.05	0.0077	NC
Y4N71	Y4N72	05-Mar-09	SIMVOL	1,2-Dibromoethane	µg/L	0.0078 U	0.05	0.0078	0.0078 U	0.05	0.0078	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,1,1-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.085 U	0.5	0.085	0.085 U	0.5	0.085	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	170	0.5	3.8	170	0.5	3.8	0.0%
Y4N71	Y4N72	05-Mar-09	TVOL	1,1,2-Trichloroethane	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,1-Dichloroethane	µg/L	0.43 J	0.5	0.1	0.49 J	0.5	0.1	13.0%
Y4N71	Y4N72	05-Mar-09	TVOL	1,1-Dichloroethene	µg/L	120 J	0.5	0.16	140 J	0.5	0.16	15.4%
Y4N71	Y4N72	05-Mar-09	TVOL	1,2,3-Trichlorobenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,2,4-Trichlorobenzene	µg/L	0.066 U	0.5	0.066	0.066 U	0.5	0.066	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.32 U	0.5	0.32	0.32 U	0.5	0.32	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,2-Dibromoethane	µg/L	0.079 U	0.5	0.079	0.079 U	0.5	0.079	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,2-Dichlorobenzene	µg/L	0.098 U	0.5	0.098	0.098 U	0.5	0.098	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,2-Dichloroethane	µg/L	1.9	0.5	0.22	1.8	0.5	0.22	5.4%
Y4N71	Y4N72	05-Mar-09	TVOL	1,2-Dichloropropane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,3-Dichlorobenzene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
Y4N71	Y4N72	05-Mar-09	TVOL	1,4-Dichlorobenzene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4N71	Y4N72	05-Mar-09	TVOL	2-Hexanone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Acetone	µg/L	2 U	5	2	2 U	5	2	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Benzene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Bromochloromethane	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Bromodichloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC

TABLE G-3
Field Duplicate Summary
Omega Chemical Corporation Superfund Site

Parent Sample	Field Duplicate	Sample Date	Analysis Method	Analyte	Units	Primary Sample Value	RL	MDL	Field Duplicate Value	RL	MDL	RPD
Y4N71	Y4N72	05-Mar-09	TVOL	Bromomethane	µg/L	4 UJ	10	4	4 UJ	10	4	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Carbon disulfide	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Carbon tetrachloride	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Chlorobenzene	µg/L	0.087 U	0.5	0.087	0.087 U	0.5	0.087	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Chloroethane	µg/L	0.13 U	0.5	0.13	0.13 U	0.5	0.13	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Chloroform	µg/L	24	0.5	2.4	24	0.5	2.4	0.0%
Y4N71	Y4N72	05-Mar-09	TVOL	Chloromethane	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
Y4N71	Y4N72	05-Mar-09	TVOL	cis-1,2-Dichloroethene	µg/L	0.86	0.5	0.089	0.9	0.5	0.089	4.5%
Y4N71	Y4N72	05-Mar-09	TVOL	cis-1,3-Dichloropropene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Cyclohexane	µg/L	0.081 U	0.5	0.081	0.081 U	0.5	0.081	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Dibromochloromethane	µg/L	0.078 U	0.5	0.078	0.078 U	0.5	0.078	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Ethylbenzene	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Isopropylbenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
Y4N71	Y4N72	05-Mar-09	TVOL	m,p-Xylenes	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Methyl acetate	µg/L	0.39 U	0.5	0.39	0.39 U	0.5	0.39	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Methyl cyclohexane	µg/L	0.092 U	0.5	0.092	0.092 U	0.5	0.092	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Methyl ethyl ketone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Methyl isobutyl ketone	µg/L	0.74 U	5	0.74	0.74 U	5	0.74	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Methyl tert-butyl ether	µg/L	0.28 J	0.5	0.12	0.32 J	0.5	0.12	13.3%
Y4N71	Y4N72	05-Mar-09	TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N71	Y4N72	05-Mar-09	TVOL	o-Xylene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Styrene	µg/L	0.067 U	0.5	0.067	0.067 U	0.5	0.067	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Tetrachloroethene	µg/L	120	0.5	1.9	120	0.5	1.9	0.0%
Y4N71	Y4N72	05-Mar-09	TVOL	Toluene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N71	Y4N72	05-Mar-09	TVOL	trans-1,2-Dichloroethene	µg/L	0.11 U	0.5	0.11	0.21 J	0.5	0.11	NC
Y4N71	Y4N72	05-Mar-09	TVOL	trans-1,3-Dichloropropene	µg/L	0.17 U	0.5	0.17	0.17 U	0.5	0.17	NC
Y4N71	Y4N72	05-Mar-09	TVOL	Trichloroethene	µg/L	44	0.5	1.4	44	0.5	1.4	0.0%
Y4N71	Y4N72	05-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	µg/L	77	0.5	2	78	0.5	2	1.3%
Y4N71	Y4N72	05-Mar-09	TVOL	Vinyl chloride	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N85	Y4N86	09-Mar-09	CSVOL	1,4-Dioxane (p-dioxane)	µg/L	0.02 U	2	0.02	0.02 U	2	0.02	NC
Y4N85	Y4N86	09-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.0077 R	0.05	0.0077	0.0077 R	0.05	0.0077	NC
Y4N85	Y4N86	09-Mar-09	SIMVOL	1,2-Dibromoethane	µg/L	0.0078 U	0.05	0.0078	0.0078 U	0.05	0.0078	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,1,1-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.085 U	0.5	0.085	0.085 U	0.5	0.085	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	0.19 U	0.5	0.19	0.19 U	0.5	0.19	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,1,2-Trichloroethane	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,1-Dichloroethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,1-Dichloroethene	µg/L	0.16 U	0.5	0.16	0.16 U	0.5	0.16	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,2,3-Trichlorobenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,2,4-Trichlorobenzene	µg/L	0.066 U	0.5	0.066	0.066 U	0.5	0.066	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.32 U	0.5	0.32	0.32 U	0.5	0.32	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,2-Dibromoethane	µg/L	0.079 U	0.5	0.079	0.079 U	0.5	0.079	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,2-Dichlorobenzene	µg/L	0.098 U	0.5	0.098	0.098 U	0.5	0.098	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,2-Dichloroethane	µg/L	0.22 U	0.5	0.22	0.22 U	0.5	0.22	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,2-Dichloropropane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,3-Dichlorobenzene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
Y4N85	Y4N86	09-Mar-09	TVOL	1,4-Dichlorobenzene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4N85	Y4N86	09-Mar-09	TVOL	2-Hexanone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Acetone	µg/L	2 U	5	2	2 U	5	2	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Benzene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Bromochloromethane	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Bromodichloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Bromomethane	µg/L	0.2 UJ	0.5	0.2	0.2 UJ	0.5	0.2	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Carbon disulfide	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Carbon tetrachloride	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Chlorobenzene	µg/L	0.087 U	0.5	0.087	0.087 U	0.5	0.087	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Chloroethane	µg/L	0.13 U	0.5	0.13	0.13 U	0.5	0.13	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Chloroform	µg/L	0.12 U	0.5	0.12	0.12 U	0.5	0.12	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Chloromethane	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
Y4N85	Y4N86	09-Mar-09	TVOL	cis-1,2-Dichloroethene	µg/L	0.22 J	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N85	Y4N86	09-Mar-09	TVOL	cis-1,3-Dichloropropene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Cyclohexane	µg/L	0.081 U	0.5	0.081	0.081 U	0.5	0.081	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Dibromochloromethane	µg/L	0.078 U	0.5	0.078	0.078 U	0.5	0.078	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Ethylbenzene	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Isopropylbenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
Y4N85	Y4N86	09-Mar-09	TVOL	m,p-Xylenes	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Methyl acetate	µg/L	0.39 U	0.5	0.39	0.39 U	0.5	0.39	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Methyl cyclohexane	µg/L	0.092 U	0.5	0.092	0.092 U	0.5	0.092	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Methyl ethyl ketone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Methyl isobutyl ketone	µg/L	0.74 U	5	0.74	0.74 U	5	0.74	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Methyl tert-butyl ether	µg/L	1.1	0.5	0.12	1.1	0.5	0.12	0.0%
Y4N85	Y4N86	09-Mar-09	TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N85	Y4N86	09-Mar-09	TVOL	o-Xylene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Styrene	µg/L	0.067 U	0.5	0.067	0.067 U	0.5	0.067	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Tetrachloroethene	µg/L	0.096 U	0.5	0.096	0.096 U	0.5	0.096	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Toluene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4N85	Y4N86	09-Mar-09	TVOL	trans-1,2-Dichloroethene	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4N85	Y4N86	09-Mar-09	TVOL	trans-1,3-Dichloropropene	µg/L	0.17 U	0.5	0.17	0.17 U	0.5	0.17	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Trichloroethene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4N85	Y4N86	09-Mar-09	TVOL	Vinyl chloride	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NB2	Y4NB4	13-Mar-09	CSVOL	1,4-Dioxane (p-dioxane)	µg/L	0.02 U	2	0.02	2.3	2	0.02	NC
Y4NB2	Y4NB4	13-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.0077 R	0.05	0.0077	0.0077 R	0.05	0.0077	NC
Y4NB2	Y4NB4	13-Mar-09	SIMVOL	1,2-Dibromoethane	µg/L	0.0078 U	0.05	0.0078	0.0078 U	0.05	0.0078	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,1,1-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.085 UJ	0.5	0.085	0.085 U	0.5	0.085	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	0.19 U	0.5	0.19	45	0.5	0.95	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,1,2-Trichloroethane	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,1-Dichloroethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,1-Dichloroethene	µg/L	0.16 U	0.5	0.16	7.7 J	0.5	0.16	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,2,3-Trichlorobenzene	µg/L	0.075 UJ	0.5	0.075	0.075 UJ	0.5	0.075	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,2,4-Trichlorobenzene	µg/L	0.066 U	0.5	0.066	0.066 U	0.5	0.066	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.32 UJ	0.5	0.32	0.32 U	0.5	0.32	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,2-Dibromoethane	µg/L	0.079 U	0.5	0.079	0.079 U	0.5	0.079	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,2-Dichlorobenzene	µg/L	0.098 U	0.5	0.098	0.098 U	0.5	0.098	NC

TABLE G-3
Field Duplicate Summary
Omega Chemical Corporation Superfund Site

Parent Sample	Field Duplicate	Sample Date	Analysis Method	Analyte	Units	Primary Sample Value	Primary Sample RL	Primary Sample MDL	Field Duplicate Value	Field Duplicate RL	Field Duplicate MDL	RPD
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,2-Dichloroethane	µg/L	0.22 U	0.5	0.22	0.22 U	0.5	0.22	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,2-Dichloropropane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,3-Dichlorobenzene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	1,4-Dichlorobenzene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	2-Hexanone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Acetone	µg/L	2 U	5	2	2 U	5	2	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Benzene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Bromochloromethane	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Bromodichloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Bromomethane	µg/L	0.2 UJ	0.5	0.2	0.2 UJ	0.5	0.2	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Carbon disulfide	µg/L	0.1 UJ	0.5	0.1	0.1 UJ	0.5	0.1	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Carbon tetrachloride	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Chlorobenzene	µg/L	0.087 U	0.5	0.087	0.087 U	0.5	0.087	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Chloroethane	µg/L	0.13 UJ	0.5	0.13	0.13 UJ	0.5	0.13	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Chloroform	µg/L	0.12 U	0.5	0.12	0.52	0.5	0.12	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Chloromethane	µg/L	0.15 UJ	0.5	0.15	0.15 UJ	0.5	0.15	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	cis-1,2-Dichloroethene	µg/L	0.089 U	0.5	0.089	1.8 J	0.5	0.089	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	cis-1,3-Dichloropropene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Cyclohexane	µg/L	0.081 U	0.5	0.081	0.081 U	0.5	0.081	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Dibromochloromethane	µg/L	0.078 U	0.5	0.078	0.078 U	0.5	0.078	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.15 UJ	0.5	0.15	0.15 UJ	0.5	0.15	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Ethylbenzene	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Isopropylbenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	m,p-Xylenes	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Methyl acetate	µg/L	0.39 U	0.5	0.39	0.39 U	0.5	0.39	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Methyl cyclohexane	µg/L	0.092 U	0.5	0.092	0.092 U	0.5	0.092	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Methyl ethyl ketone	µg/L	1.7 UJ	5	1.7	1.7 UJ	5	1.7	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Methyl isobutyl ketone	µg/L	0.74 U	5	0.74	0.74 U	5	0.74	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Methyl tert-butyl ether	µg/L	0.12 U	0.5	0.12	0.12 U	0.5	0.12	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	o-Xylene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Styrene	µg/L	0.067 U	0.5	0.067	0.067 U	0.5	0.067	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Tetrachloroethene	µg/L	0.096 U	0.5	0.096	44	0.5	0.48	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Toluene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	trans-1,2-Dichloroethene	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	trans-1,3-Dichloropropene	µg/L	0.17 U	0.5	0.17	0.17 U	0.5	0.17	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Trichloroethene	µg/L	0.072 U	0.5	0.072	61	0.5	0.36	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	µg/L	0.1 U	0.5	0.1	15	0.5	0.1	NC
Y4NB2	Y4NB4	13-Mar-09	TVOL	Vinyl chloride	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NC4	Y4NC5	16-Mar-09	CSVOL	1,4-Dioxane (p-dioxane)	µg/L	7.1	2	0.02	7.4	2	0.02	4.1%
Y4NC4	Y4NC5	16-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.0077 R	0.05	0.0077	0.0077 R	0.05	0.0077	NC
Y4NC4	Y4NC5	16-Mar-09	SIMVOL	1,2-Dibromoethane	µg/L	0.0078 U	0.05	0.0078	0.0078 U	0.05	0.0078	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,1,1-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.085 U	0.5	0.085	0.085 U	0.5	0.085	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	30	0.5	1.5	63	0.5	1.9	71.0%
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,1,2-Trichloroethane	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,1-Dichloroethane	µg/L	0.32 J	0.5	0.1	0.29 J	0.5	0.1	9.8%
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,1-Dichloroethene	µg/L	59 J	0.5	0.16	56 J	0.5	0.16	5.2%
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,2,3-Trichlorobenzene	µg/L	0.075 UJ	0.5	0.075	0.075 UJ	0.5	0.075	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,2,4-Trichlorobenzene	µg/L	0.066 U	0.5	0.066	0.066 U	0.5	0.066	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.32 U	0.5	0.32	0.32 U	0.5	0.32	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,2-Dibromoethane	µg/L	0.079 U	0.5	0.079	0.079 U	0.5	0.079	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,2-Dichlorobenzene	µg/L	0.098 U	0.5	0.098	0.098 U	0.5	0.098	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,2-Dichloroethane	µg/L	0.22 U	0.5	0.22	0.22 U	0.5	0.22	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,2-Dichloropropane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,3-Dichlorobenzene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	1,4-Dichlorobenzene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	2-Hexanone	µg/L	1.7 U	5	1.7	1.7 U	5	1.7	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Acetone	µg/L	2 U	5	2	2 U	5	2	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Benzene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Bromochloromethane	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Bromodichloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Bromomethane	µg/L	0.2 U	0.5	0.2	0.2 U	0.5	0.2	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Carbon disulfide	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Carbon tetrachloride	µg/L	0.099 U	0.5	0.099	0.099 U	0.5	0.099	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Chlorobenzene	µg/L	0.087 U	0.5	0.087	0.087 U	0.5	0.087	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Chloroethane	µg/L	0.13 U	0.5	0.13	0.13 U	0.5	0.13	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Chloroform	µg/L	14	0.5	0.12	14 J	0.5	0.12	0.0%
Y4NC4	Y4NC5	16-Mar-09	TVOL	Chloromethane	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	cis-1,2-Dichloroethene	µg/L	2.1 J	0.5	0.089	1.8 J	0.5	0.089	15.4%
Y4NC4	Y4NC5	16-Mar-09	TVOL	cis-1,3-Dichloropropene	µg/L	0.072 U	0.5	0.072	0.072 U	0.5	0.072	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Cyclohexane	µg/L	0.081 U	0.5	0.081	0.081 U	0.5	0.081	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Dibromochloromethane	µg/L	0.078 U	0.5	0.078	0.078 U	0.5	0.078	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.15 U	0.5	0.15	0.15 U	0.5	0.15	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Ethylbenzene	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Isopropylbenzene	µg/L	0.075 U	0.5	0.075	0.075 U	0.5	0.075	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	m,p-Xylenes	µg/L	0.077 U	0.5	0.077	0.077 U	0.5	0.077	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Methyl acetate	µg/L	0.39 U	0.5	0.39	0.39 U	0.5	0.39	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Methyl cyclohexane	µg/L	0.092 U	0.5	0.092	0.092 U	0.5	0.092	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Methyl ethyl ketone	µg/L	1.7 UJ	5	1.7	1.7 UJ	5	1.7	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Methyl isobutyl ketone	µg/L	0.74 U	5	0.74	0.74 U	5	0.74	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Methyl tert-butyl ether	µg/L	0.12 U	0.5	0.12	0.12 U	0.5	0.12	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	o-Xylene	µg/L	0.082 U	0.5	0.082	0.082 U	0.5	0.082	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Styrene	µg/L	0.067 U	0.5	0.067	0.067 U	0.5	0.067	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Tetrachloroethene	µg/L	74	0.5	0.77	84	0.5	0.96	12.7%
Y4NC4	Y4NC5	16-Mar-09	TVOL	Toluene	µg/L	0.089 U	0.5	0.089	0.089 U	0.5	0.089	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	trans-1,2-Dichloroethene	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	trans-1,3-Dichloropropene	µg/L	0.17 U	0.5	0.17	0.17 U	0.5	0.17	NC
Y4NC4	Y4NC5	16-Mar-09	TVOL	Trichloroethene	µg/L	70	0.5	0.58	72	0.5	0.72	2.8%
Y4NC4	Y4NC5	16-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	µg/L	14	0.5	0.8	22	0.5	1	44.4%
Y4NC4	Y4NC5	16-Mar-09	TVOL	Vinyl chloride	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.028 J	0.05	0.028	0.028 U	0.05	0.028	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 SIMVOL	1,2-Dibromoethane	µg/L	0.01 UJ	0.05	0.01	0.01 U	0.05	0.01	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,1,1-Trichloroethane	µg/L	0.89	0.5	0.1	0.79	0.5	0.1	11.9%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC

TABLE G-3
Field Duplicate Summary
Omega Chemical Corporation Superfund Site

Parent Sample	Field Duplicate	Sample Date	Analysis Method	Analyte	Units	Primary Sample Value	Primary Sample RL	Primary Sample MDL	Field Duplicate Value	Field Duplicate RL	Field Duplicate MDL	RPD
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	53	0.5	1.3	52	0.5	1.3	1.9%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,1,2-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,1-Dichloroethane	µg/L	5.4	0.5	0.1	4.9	0.5	0.1	9.7%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,1-Dichloroethene	µg/L	95 J	0.5	1.4	94 J	0.5	1.4	1.1%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,2,3-Trichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,2,4-Trichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.48 U	0.5	0.48	0.48 U	0.5	0.48	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,2-Dibromoethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,2-Dichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,2-Dichloroethane	µg/L	0.82	0.5	0.1	0.84	0.5	0.1	2.4%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,2-Dichloropropane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,3-Dichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	1,4-Dichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	2-Hexanone	µg/L	1 U	5	1	1 U	5	1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Acetone	µg/L	190 J	5	2.2	160 J	5	28	17.1%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Benzene	µg/L	0.13 J	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Bromochloromethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Bromodichloromethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Bromomethane	µg/L	0.11 UJ	0.5	0.11	0.11 UJ	0.5	0.11	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Carbon disulfide	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Carbon tetrachloride	µg/L	0.14 J	0.5	0.1	0.13 J	0.5	0.1	7.4%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Chlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Chloroethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Chloroform	µg/L	3.1	0.5	0.1	2.7	0.5	0.1	13.8%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Chloromethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	cis-1,2-Dichloroethene	µg/L	14 J	0.5	0.1	13 J	0.5	0.1	7.4%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	cis-1,3-Dichloropropene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Cyclohexane	µg/L	1.5	0.5	0.1	0.21 J	0.5	0.1	#####
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Dibromochloromethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.23 J	0.5	0.1	0.17 J	0.5	0.1	30.0%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Ethylbenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Isopropylbenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	m,p-Xylenes	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Methyl acetate	µg/L	0.48 U	0.5	0.48	0.48 U	0.5	0.48	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Methyl cyclohexane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Methyl ethyl ketone	µg/L	1 U	5	1	1 U	5	1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Methyl isobutyl ketone	µg/L	1 U	5	1	1 U	5	1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Methyl tert-butyl ether	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 J	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	o-Xylene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Styrene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Tetrachloroethene	µg/L	120	0.5	1.3	130	0.5	1.3	8.0%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Toluene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	trans-1,2-Dichloroethene	µg/L	0.12 J	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	trans-1,3-Dichloropropene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Trichloroethene	µg/L	120	0.5	1.3	120	0.5	1.3	0.0%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Trichlorofluoromethane (Freon 11)	µg/L	18	0.5	0.1	14	0.5	0.1	25.0%
Y4Q52	Y4Q53	07-Apr-09	SOM01.2 TVOL	Vinyl chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 SIMVOL	1,2-Dibromo-3-chloropropane	µg/L	0.028 U	0.05	0.028	0.028 U	0.05	0.028	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 SIMVOL	1,2-Dibromoethane	µg/L	0.01 U	0.05	0.01	0.01 U	0.05	0.01	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,1,1-Trichloroethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	170	0.5	2.5	79	0.5	2.5	73.1%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,1,2-Trichloroethane	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,1-Dichloroethane	µg/L	0.39 J	0.5	0.1	0.34 J	0.5	0.1	13.7%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,1-Dichloroethene	µg/L	69	0.5	2.8	34	0.5	2.8	68.0%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,2,3-Trichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,2,4-Trichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.48 U	0.5	0.48	0.48 U	0.5	0.48	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,2-Dibromoethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,2-Dichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,2-Dichloroethane	µg/L	0.66	0.5	0.1	0.63	0.5	0.1	4.7%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,2-Dichloropropane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,3-Dichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	1,4-Dichlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	2-Hexanone	µg/L	1 U	5	1	1 U	5	1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Acetone	µg/L	2.2 UJ	5	2.2	2.2 UJ	5	2.2	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Benzene	µg/L	0.15 J	0.5	0.1	0.11 J	0.5	0.1	30.8%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Bromochloromethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Bromodichloromethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Bromoform	µg/L	0.11 U	0.5	0.11	0.11 U	0.5	0.11	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Bromomethane	µg/L	0.11 UJ	0.5	0.11	0.11 UJ	0.5	0.11	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Carbon disulfide	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Carbon tetrachloride	µg/L	0.23 J	0.5	0.1	0.22 J	0.5	0.1	4.4%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Chlorobenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Chloroethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Chloroform	µg/L	9.2	0.5	0.1	8.2	0.5	0.1	11.5%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Chloromethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	cis-1,2-Dichloroethene	µg/L	7.2 J	0.5	0.1	6.3 J	0.5	0.1	13.3%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	cis-1,3-Dichloropropene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Cyclohexane	µg/L	1.7	0.5	0.1	0.4 J	0.5	0.1	#####
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Dibromochloromethane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.16 J	0.5	0.1	0.14 J	0.5	0.1	13.3%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Ethylbenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Isopropylbenzene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	m,p-Xylenes	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Methyl acetate	µg/L	0.48 U	0.5	0.48	0.48 U	0.5	0.48	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Methyl cyclohexane	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Methyl ethyl ketone	µg/L	1 U	5	1	1 U	5	1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Methyl isobutyl ketone	µg/L	1 U	5	1	1 U	5	1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Methyl tert-butyl ether	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Methylene chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	o-Xylene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Styrene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Tetrachloroethene	µg/L	110	0.5	2.5	63	0.5	2.5	54.3%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Toluene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	trans-1,2-Dichloroethene	µg/L	0.14 J	0.5	0.1	0.13 J	0.5	0.1	7.4%

TABLE G-3
Field Duplicate Summary
Omega Chemical Corporation Superfund Site

			Analysis			Primary Sample			Field Duplicate			
Parent Sample	Field Duplicate	Sample Date	Method	Analyte	Units	Value	RL	MDL	Value	RL	MDL	RPD
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	trans-1,3-Dichloropropene	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Trichloroethene	µg/L	250	0.5	2.5	140	0.5	2.5	56.4%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Trichlorofluoromethane (Freon 11)	µg/L	63	0.5	2.5	25	0.5	2.5	86.4%
Y4Q55	Y4Q56	07-Apr-09	SOM01.2 TVOL	Vinyl chloride	µg/L	0.1 U	0.5	0.1	0.1 U	0.5	0.1	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 CSVOL	1,4-Dioxane (p-dioxane)	µg/L	0.39 J	2		0.43 J	2		9.8%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,1,1-Trichloroethane	µg/L	0.0619 U	0.5	0.0619	0.0619 U	0.5	0.0619	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	µg/L	0.156 U	0.5	0.156	0.156 U	0.5	0.156	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	µg/L	20	5	0.0798	22	5	0.0798	9.5%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,1,2-Trichloroethane	µg/L	0.155 U	0.5	0.155	0.155 U	0.5	0.155	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,1-Dichloroethane	µg/L	0.0789 U	0.5	0.0789	0.0789 U	0.5	0.0789	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,1-Dichloroethene	µg/L	6.7 J	0.5	0.0749	6.1	0.5	0.0749	9.4%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,2,3-Trichlorobenzene	µg/L	0.295 U	0.5	0.295	0.295 U	0.5	0.295	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,2,4-Trichlorobenzene	µg/L	0.119 U	0.5	0.119	0.119 U	0.5	0.119	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,2-Dibromo-3-chloropropane	µg/L	0.19 U	0.5	0.19	0.19 U	0.5	0.19	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,2-Dibromoethane	µg/L	0.0843 U	0.5	0.0843	0.0843 U	0.5	0.0843	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,2-Dichlorobenzene	µg/L	0.0752 U	0.5	0.0752	0.0752 U	0.5	0.0752	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,2-Dichloroethane	µg/L	0.134 U	0.5	0.134	0.134 U	0.5	0.134	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,2-Dichloropropane	µg/L	0.101 U	0.5	0.101	0.101 U	0.5	0.101	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,3-Dichlorobenzene	µg/L	0.112 U	0.5	0.112	0.112 U	0.5	0.112	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	1,4-Dichlorobenzene	µg/L	0.0751 U	0.5	0.0751	0.0751 U	0.5	0.0751	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	2-Hexanone	µg/L	1.45 U	5	1.45	1.45 U	5	1.45	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Acetone	µg/L	14	5	2.22	13	5	2.22	7.4%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Benzene	µg/L	0.0759 U	0.5	0.0759	0.0759 U	0.5	0.0759	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Bromochloromethane	µg/L	0.09 U	0.5	0.09	0.09 U	0.5	0.09	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Bromodichloromethane	µg/L	0.249 U	0.5	0.249	0.249 U	0.5	0.249	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Bromoform	µg/L	0.106 U	0.5	0.106	0.106 U	0.5	0.106	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Bromomethane	µg/L	0.0721 U	0.5	0.0721	0.0721 U	0.5	0.0721	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Carbon disulfide	µg/L	0.138 U	0.5	0.138	0.138 U	0.5	0.138	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Carbon tetrachloride	µg/L	0.24 J	0.5	0.061	0.23 J	0.5	0.061	4.3%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Chlorobenzene	µg/L	0.0835 U	0.5	0.0835	0.0835 U	0.5	0.0835	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Chloroethane	µg/L	0.076 U	0.5	0.076	0.076 U	0.5	0.076	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Chloroform	µg/L	0.93	0.5	0.082	0.81	0.5	0.082	13.8%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Chloromethane	µg/L	0.0582 U	0.5	0.0582	0.12 UJ	0.5	0.0582	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	cis-1,2-Dichloroethene	µg/L	1.3 J	0.5	0.1	1.1	0.5	0.1	16.7%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	cis-1,3-Dichloropropene	µg/L	0.12 U	0.5	0.12	0.12 U	0.5	0.12	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Cyclohexane	µg/L	0.0584 U	0.5	0.0584	0.0584 U	0.5	0.0584	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Dibromochloromethane	µg/L	0.142 U	0.5	0.142	0.142 U	0.5	0.142	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Dichlorodifluoromethane (Freon 12)	µg/L	0.0637 U	0.5	0.0637	0.0637 U	0.5	0.0637	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Ethylbenzene	µg/L	0.0753 U	0.5	0.0753	0.0753 U	0.5	0.0753	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Isopropylbenzene	µg/L	0.0768 U	0.5	0.0768	0.0768 U	0.5	0.0768	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	m,p-Xylenes	µg/L	0.0934 U	0.5	0.0934	0.0934 U	0.5	0.0934	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Methyl acetate	µg/L	0.209 U	0.5	0.209	0.209 U	0.5	0.209	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Methyl cyclohexane	µg/L	0.101 U	0.5	0.101	0.101 U	0.5	0.101	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Methyl ethyl ketone	µg/L	1.87 U	5	1.87	1.87 U	5	1.87	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Methyl isobutyl ketone	µg/L	1.17 U	5	1.17	1.17 U	5	1.17	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Methyl tert-butyl ether	µg/L	0.111 U	0.5	0.111	0.111 U	0.5	0.111	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Methylene chloride	µg/L	0.0249 U	0.5	0.0249	0.0249 U	0.5	0.0249	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	o-Xylene	µg/L	0.0819 U	0.5	0.0819	0.0819 U	0.5	0.0819	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Styrene	µg/L	0.0853 U	0.5	0.0853	0.0853 U	0.5	0.0853	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Tetrachloroethene	µg/L	18	5	0.0758	18	0.5	0.0758	0.0%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Toluene	µg/L	0.0748 U	0.5	0.0748	0.0748 U	0.5	0.0748	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	trans-1,2-Dichloroethene	µg/L	0.0582 U	0.5	0.0582	0.0582 U	0.5	0.0582	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	trans-1,3-Dichloropropene	µg/L	0.148 U	0.5	0.148	0.148 U	0.5	0.148	NC
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Trichloroethene	µg/L	91	5	0.0674	95	5	0.0674	4.3%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Trichlorofluoromethane (Freon 11)	µg/L	9	0.5	0.0779	8	0.5	0.0779	11.8%
Y4ZB7	Y4ZB8	03-Sep-09	SOM01.2 TVOL	Vinyl chloride	µg/L	0.0663 U	0.5	0.0663	0.0663 U	0.5	0.0663	NC

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
OC2-AB2-W-2-667	AB	26-Feb-08	SIMVOL	1,2-Dibromo-3-chloropropane	0.0005	UJ	0.05	0.0005	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	SIMVOL	1,2-Dibromoethane	0.0005	U	0.05	0.0005	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Acetone	2	U	5	2	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Chloroform	**0.99**		0.5	0.12	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Methyl ethyl ketone	1.7	U	5	1.7	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Methylene chloride	**1.2**		0.5	0.1	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
OC2-AB2-W-2-667	AB	26-Feb-08	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	SIMVOL	1,2-Dibromo-3-chloropropane	0.0005	R	0.05	0.0005	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	SIMVOL	1,2-Dibromoethane	0.0005	U	0.05	0.0005	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,1-Dichloroethene	0.16	UJ	0.5	0.16	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Acetone	2	U	5	2	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Chloroform	**1**		0.5	0.12	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Methyl ethyl ketone	1.7	U	5	1.7	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Methylene chloride	**1.2**		0.5	0.1	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
OC2-AB3-W-2-678	AB	28-Feb-08	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	SIMVOL	1,2-Dibromo-3-chloropropane	**0.0005**	**J**	0.05	0.0005	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	SIMVOL	1,2-Dibromoethane	0.0005	U	0.05	0.0005	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,2-Dibromo-3-chloropropane	0.32	UJ	0.5	0.32	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Acetone	2	UJ	5	2	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Chloroform	**0.95**		0.5	0.12	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Methyl ethyl ketone	1.7	UJ	5	1.7	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Methylene chloride	**1.1**	**J**	0.5	0.1	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
OC2-AB4-W-2-701	AB	03-Mar-08	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	SIMVOL	1,2-Dibromo-3-chloropropane	0.0005	R	0.05	0.0005	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	SIMVOL	1,2-Dibromoethane	0.0005	U	0.05	0.0005	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Acetone	2	U	5	2	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Chloroform	**0.94**		0.5	0.12	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Methyl ethyl ketone	1.7	U	5	1.7	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Methylene chloride	**1.2**		0.5	0.1	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
OC2-AB5-W-2-715	AB	05-Mar-08	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	SIMVOL	1,2-Dibromo-3-chloropropane	0.0005	R	0.05	0.0005	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	SIMVOL	1,2-Dibromoethane	0.0005	U	0.05	0.0005	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,1-Dichloroethene	0.16	UJ	0.5	0.16	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Acetone	2	U	5	2	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Chloroform	0.12	U	0.5	0.12	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Chloromethane	**0.22**	**J**	0.5	0.15	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Methyl ethyl ketone	1.7	U	5	1.7	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Methylene chloride	0.1	U	0.5	0.1	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Toluene	0.089	U	0.5	0.089	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
OC2-TB2-W-4-673	TB	27-Feb-08	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	SIMVOL	1,2-Dibromo-3-chloropropane	0.0005	R	0.05	0.0005	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	SIMVOL	1,2-Dibromoethane	0.0005	U	0.05	0.0005	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,2-Dibromo-3-chloropropane	0.32	UJ	0.5	0.32	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Acetone	2	UJ	5	2	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Chloroform	0.12	U	0.5	0.12	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Methyl ethyl ketone	1.7	UJ	5	1.7	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Methylene chloride	0.1	U	0.5	0.1	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
OC2-TB3-W-4-692	TB	29-Feb-08	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	SIMVOL	1,2-Dibromo-3-chloropropane	0.0005	UJ	0.05	0.0005	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	SIMVOL	1,2-Dibromoethane	0.0005	U	0.05	0.0005	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Acetone	2	U	5	2	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Chloroform	0.12	U	0.5	0.12	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Methyl ethyl ketone	1.7	U	5	1.7	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Methylene chloride	0.1	U	0.5	0.1	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
OC2-TB4-W-4-707	TB	04-Mar-08	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
Y4N63	TB	03-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	0.0077	R	0.05	0.0077	µg/L
Y4N63	TB	03-Mar-09	SIMVOL	1,2-Dibromoethane	0.0078	U	0.05	0.0078	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
Y4N63	TB	03-Mar-09	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
Y4N63	TB	03-Mar-09	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
Y4N63	TB	03-Mar-09	TVOL	Acetone	2	U	5	2	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
Y4N63	TB	03-Mar-09	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
Y4N63	TB	03-Mar-09	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
Y4N63	TB	03-Mar-09	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
Y4N63	TB	03-Mar-09	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
Y4N63	TB	03-Mar-09	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
Y4N63	TB	03-Mar-09	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
Y4N63	TB	03-Mar-09	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
Y4N63	TB	03-Mar-09	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
Y4N63	TB	03-Mar-09	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
Y4N63	TB	03-Mar-09	TVOL	Chloroform	**0.4**	**J**	0.5	0.12	µg/L
Y4N63	TB	03-Mar-09	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
Y4N63	TB	03-Mar-09	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
Y4N63	TB	03-Mar-09	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
Y4N63	TB	03-Mar-09	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
Y4N63	TB	03-Mar-09	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
Y4N63	TB	03-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
Y4N63	TB	03-Mar-09	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
Y4N63	TB	03-Mar-09	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
Y4N63	TB	03-Mar-09	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
Y4N63	TB	03-Mar-09	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
Y4N63	TB	03-Mar-09	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
Y4N63	TB	03-Mar-09	TVOL	Methyl ethyl ketone	1.7	UJ	5	1.7	µg/L
Y4N63	TB	03-Mar-09	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
Y4N63	TB	03-Mar-09	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
Y4N63	TB	03-Mar-09	TVOL	Methylene chloride	0.1	U	0.5	0.1	µg/L
Y4N63	TB	03-Mar-09	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
Y4N63	TB	03-Mar-09	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
Y4N63	TB	03-Mar-09	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
Y4N63	TB	03-Mar-09	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
Y4N63	TB	03-Mar-09	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
Y4N63	TB	03-Mar-09	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
Y4N63	TB	03-Mar-09	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
Y4N63	TB	03-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
Y4N63	TB	03-Mar-09	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
Y4N67	TB	04-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	0.0077	R	0.05	0.0077	µg/L
Y4N67	TB	04-Mar-09	SIMVOL	1,2-Dibromoethane	0.0078	U	0.05	0.0078	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
Y4N67	TB	04-Mar-09	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
Y4N67	TB	04-Mar-09	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
Y4N67	TB	04-Mar-09	TVOL	Acetone	2	U	5	2	µg/L
Y4N67	TB	04-Mar-09	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
Y4N67	TB	04-Mar-09	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
Y4N67	TB	04-Mar-09	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
Y4N67	TB	04-Mar-09	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
Y4N67	TB	04-Mar-09	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
Y4N67	TB	04-Mar-09	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
Y4N67	TB	04-Mar-09	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
Y4N67	TB	04-Mar-09	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
Y4N67	TB	04-Mar-09	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
Y4N67	TB	04-Mar-09	TVOL	Chloroform	**0.42**	**J**	0.5	0.12	µg/L
Y4N67	TB	04-Mar-09	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
Y4N67	TB	04-Mar-09	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
Y4N67	TB	04-Mar-09	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
Y4N67	TB	04-Mar-09	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
Y4N67	TB	04-Mar-09	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
Y4N67	TB	04-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
Y4N67	TB	04-Mar-09	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
Y4N67	TB	04-Mar-09	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
Y4N67	TB	04-Mar-09	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
Y4N67	TB	04-Mar-09	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
Y4N67	TB	04-Mar-09	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
Y4N67	TB	04-Mar-09	TVOL	Methyl ethyl ketone	1.7	UJ	5	1.7	µg/L
Y4N67	TB	04-Mar-09	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
Y4N67	TB	04-Mar-09	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
Y4N67	TB	04-Mar-09	TVOL	Methylene chloride	0.1	U	0.5	0.1	µg/L
Y4N67	TB	04-Mar-09	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
Y4N67	TB	04-Mar-09	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
Y4N67	TB	04-Mar-09	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
Y4N67	TB	04-Mar-09	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
Y4N67	TB	04-Mar-09	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
Y4N67	TB	04-Mar-09	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
Y4N67	TB	04-Mar-09	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
Y4N67	TB	04-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
Y4N67	TB	04-Mar-09	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
Y4N79	TB	05-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	0.0077	R	0.05	0.0077	µg/L
Y4N79	TB	05-Mar-09	SIMVOL	1,2-Dibromoethane	0.0078	U	0.05	0.0078	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
Y4N79	TB	05-Mar-09	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
Y4N79	TB	05-Mar-09	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
Y4N79	TB	05-Mar-09	TVOL	Acetone	2	U	5	2	µg/L
Y4N79	TB	05-Mar-09	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
Y4N79	TB	05-Mar-09	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
Y4N79	TB	05-Mar-09	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
Y4N79	TB	05-Mar-09	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
Y4N79	TB	05-Mar-09	TVOL	Bromomethane	0.2	UJ	0.5	0.2	µg/L
Y4N79	TB	05-Mar-09	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
Y4N79	TB	05-Mar-09	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
Y4N79	TB	05-Mar-09	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
Y4N79	TB	05-Mar-09	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
Y4N79	TB	05-Mar-09	TVOL	Chloroform	**0.4**	**J**	0.5	0.12	µg/L
Y4N79	TB	05-Mar-09	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
Y4N79	TB	05-Mar-09	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
Y4N79	TB	05-Mar-09	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
Y4N79	TB	05-Mar-09	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
Y4N79	TB	05-Mar-09	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
Y4N79	TB	05-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
Y4N79	TB	05-Mar-09	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
Y4N79	TB	05-Mar-09	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
Y4N79	TB	05-Mar-09	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
Y4N79	TB	05-Mar-09	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
Y4N79	TB	05-Mar-09	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
Y4N79	TB	05-Mar-09	TVOL	Methyl ethyl ketone	1.7	U	5	1.7	µg/L
Y4N79	TB	05-Mar-09	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
Y4N79	TB	05-Mar-09	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
Y4N79	TB	05-Mar-09	TVOL	Methylene chloride	0.1	U	0.5	0.1	µg/L
Y4N79	TB	05-Mar-09	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
Y4N79	TB	05-Mar-09	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
Y4N79	TB	05-Mar-09	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
Y4N79	TB	05-Mar-09	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
Y4N79	TB	05-Mar-09	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
Y4N79	TB	05-Mar-09	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
Y4N79	TB	05-Mar-09	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
Y4N79	TB	05-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
Y4N79	TB	05-Mar-09	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
Y4N84	TB	06-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	0.0077	R	0.05	0.0077	µg/L
Y4N84	TB	06-Mar-09	SIMVOL	1,2-Dibromoethane	0.0078	U	0.05	0.0078	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,2,3-Trichlorobenzene	0.075	U	0.5	0.075	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
Y4N84	TB	06-Mar-09	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
Y4N84	TB	06-Mar-09	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
Y4N84	TB	06-Mar-09	TVOL	Acetone	2	U	5	2	µg/L
Y4N84	TB	06-Mar-09	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
Y4N84	TB	06-Mar-09	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
Y4N84	TB	06-Mar-09	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
Y4N84	TB	06-Mar-09	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
Y4N84	TB	06-Mar-09	TVOL	Bromomethane	0.2	UJ	0.5	0.2	µg/L
Y4N84	TB	06-Mar-09	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
Y4N84	TB	06-Mar-09	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
Y4N84	TB	06-Mar-09	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
Y4N84	TB	06-Mar-09	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
Y4N84	TB	06-Mar-09	TVOL	Chloroform	**0.41**	**J**	0.5	0.12	µg/L
Y4N84	TB	06-Mar-09	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
Y4N84	TB	06-Mar-09	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
Y4N84	TB	06-Mar-09	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
Y4N84	TB	06-Mar-09	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
Y4N84	TB	06-Mar-09	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
Y4N84	TB	06-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
Y4N84	TB	06-Mar-09	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
Y4N84	TB	06-Mar-09	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
Y4N84	TB	06-Mar-09	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
Y4N84	TB	06-Mar-09	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
Y4N84	TB	06-Mar-09	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
Y4N84	TB	06-Mar-09	TVOL	Methyl ethyl ketone	1.7	U	5	1.7	µg/L
Y4N84	TB	06-Mar-09	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
Y4N84	TB	06-Mar-09	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
Y4N84	TB	06-Mar-09	TVOL	Methylene chloride	0.1	U	0.5	0.1	µg/L
Y4N84	TB	06-Mar-09	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
Y4N84	TB	06-Mar-09	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
Y4N84	TB	06-Mar-09	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
Y4N84	TB	06-Mar-09	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
Y4N84	TB	06-Mar-09	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
Y4N84	TB	06-Mar-09	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
Y4N84	TB	06-Mar-09	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
Y4N84	TB	06-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
Y4N84	TB	06-Mar-09	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
Y4NB7	TB	13-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	0.0077	R	0.05	0.0077	µg/L
Y4NB7	TB	13-Mar-09	SIMVOL	1,2-Dibromoethane	0.0078	U	0.05	0.0078	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
Y4NB7	TB	13-Mar-09	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,2,3-Trichlorobenzene	0.075	UJ	0.5	0.075	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
Y4NB7	TB	13-Mar-09	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
Y4NB7	TB	13-Mar-09	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Acetone	2	U	5	2	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Chloroform	0.12	U	0.5	0.12	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
Y4NB7	TB	13-Mar-09	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
Y4NB7	TB	13-Mar-09	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
Y4NB7	TB	13-Mar-09	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Methyl ethyl ketone	1.7	UJ	5	1.7	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Methylene chloride	0.1	U	0.5	0.1	µg/L
Y4NB7	TB	13-Mar-09	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Tetrachloroethene	0.096	U	0.5	0.096	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
Y4NB7	TB	13-Mar-09	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
Y4NB7	TB	13-Mar-09	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
Y4NB7	TB	13-Mar-09	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
Y4NC7	TB	16-Mar-09	SIMVOL	1,2-Dibromo-3-chloropropane	0.0077	R	0.05	0.0077	µg/L
Y4NC7	TB	16-Mar-09	SIMVOL	1,2-Dibromoethane	0.0078	U	0.05	0.0078	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,1,1-Trichloroethane	0.11	U	0.5	0.11	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,1,2,2-Tetrachloroethane	0.085	U	0.5	0.085	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.19	U	0.5	0.19	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,1,2-Trichloroethane	0.089	U	0.5	0.089	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,1-Dichloroethane	0.1	U	0.5	0.1	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,1-Dichloroethene	0.16	U	0.5	0.16	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,2,3-Trichlorobenzene	0.075	UJ	0.5	0.075	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,2,4-Trichlorobenzene	0.066	U	0.5	0.066	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,2-Dibromo-3-chloropropane	0.32	U	0.5	0.32	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,2-Dibromoethane	0.079	U	0.5	0.079	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,2-Dichlorobenzene	0.098	U	0.5	0.098	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,2-Dichloroethane	0.22	U	0.5	0.22	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
Y4NC7	TB	16-Mar-09	TVOL	1,2-Dichloropropane	0.11	U	0.5	0.11	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,3-Dichlorobenzene	0.082	U	0.5	0.082	µg/L
Y4NC7	TB	16-Mar-09	TVOL	1,4-Dichlorobenzene	0.072	U	0.5	0.072	µg/L
Y4NC7	TB	16-Mar-09	TVOL	2-Hexanone	1.7	U	5	1.7	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Acetone	2	U	5	2	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Benzene	0.089	U	0.5	0.089	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Bromochloromethane	0.099	U	0.5	0.099	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Bromodichloromethane	0.09	U	0.5	0.09	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Bromoform	0.11	U	0.5	0.11	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Bromomethane	0.2	U	0.5	0.2	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Carbon disulfide	0.1	U	0.5	0.1	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Carbon tetrachloride	0.099	U	0.5	0.099	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Chlorobenzene	0.087	U	0.5	0.087	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Chloroethane	0.13	U	0.5	0.13	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Chloroform	0.12	U	0.5	0.12	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Chloromethane	0.15	U	0.5	0.15	µg/L
Y4NC7	TB	16-Mar-09	TVOL	cis-1,2-Dichloroethene	0.089	U	0.5	0.089	µg/L
Y4NC7	TB	16-Mar-09	TVOL	cis-1,3-Dichloropropene	0.072	U	0.5	0.072	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Cyclohexane	0.081	U	0.5	0.081	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Dibromochloromethane	0.078	U	0.5	0.078	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Dichlorodifluoromethane (Freon 12)	0.15	U	0.5	0.15	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Ethylbenzene	0.077	U	0.5	0.077	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Isopropylbenzene	0.075	U	0.5	0.075	µg/L
Y4NC7	TB	16-Mar-09	TVOL	m,p-Xylenes	0.077	U	0.5	0.077	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Methyl acetate	0.39	U	0.5	0.39	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Methyl cyclohexane	0.092	U	0.5	0.092	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Methyl ethyl ketone	1.7	UJ	5	1.7	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Methyl isobutyl ketone	0.74	U	5	0.74	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Methyl tert-butyl ether	0.12	U	0.5	0.12	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Methylene chloride	0.1	U	0.5	0.1	µg/L
Y4NC7	TB	16-Mar-09	TVOL	o-Xylene	0.082	U	0.5	0.082	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Styrene	0.067	U	0.5	0.067	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Tetrachloroethene	**0.34**	**J**	0.5	0.096	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Toluene	0.089	U	0.5	0.089	µg/L
Y4NC7	TB	16-Mar-09	TVOL	trans-1,2-Dichloroethene	0.11	U	0.5	0.11	µg/L
Y4NC7	TB	16-Mar-09	TVOL	trans-1,3-Dichloropropene	0.17	U	0.5	0.17	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Trichloroethene	0.072	U	0.5	0.072	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Trichlorofluoromethane (Freon 11)	0.1	U	0.5	0.1	µg/L
Y4NC7	TB	16-Mar-09	TVOL	Vinyl chloride	0.11	U	0.5	0.11	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 C	1,4-Dioxane (p-dioxane)		U	2		µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,1,1-Trichloroethane	0.0619	U	0.5	0.0619	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,1,2,2-Tetrachloroethane	0.156	U	0.5	0.156	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0798	U	0.5	0.0798	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,1,2-Trichloroethane	0.155	U	0.5	0.155	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,1-Dichloroethane	0.0789	U	0.5	0.0789	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,1-Dichloroethene	0.0749	U	0.5	0.0749	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,2,3-Trichlorobenzene	0.295	U	0.5	0.295	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,2,4-Trichlorobenzene	0.119	U	0.5	0.119	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,2-Dibromo-3-chloropropane	0.19	U	0.5	0.19	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,2-Dibromoethane	0.0843	U	0.5	0.0843	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,2-Dichlorobenzene	0.0752	U	0.5	0.0752	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,2-Dichloroethane	0.134	U	0.5	0.134	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,2-Dichloropropane	0.101	U	0.5	0.101	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,3-Dichlorobenzene	0.112	U	0.5	0.112	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	1,4-Dichlorobenzene	0.0751	U	0.5	0.0751	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	2-Hexanone	1.45	U	5	1.45	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Acetone	2.22	U	5	2.22	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Benzene	0.0759	U	0.5	0.0759	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Bromochloromethane	0.09	U	0.5	0.09	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Bromodichloromethane	0.249	U	0.5	0.249	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Bromoform	0.106	U	0.5	0.106	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Bromomethane	0.0721	U	0.5	0.0721	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Carbon disulfide	0.138	U	0.5	0.138	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Carbon tetrachloride	0.061	U	0.5	0.061	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Chlorobenzene	0.0835	U	0.5	0.0835	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Chloroethane	0.076	U	0.5	0.076	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Chloroform	0.082	U	0.5	0.082	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Chloromethane	0.0582	U	0.5	0.0582	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	cis-1,2-Dichloroethene	0.1	U	0.5	0.1	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	cis-1,3-Dichloropropene	0.12	U	0.5	0.12	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Cyclohexane	0.0584	U	0.5	0.0584	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Dibromochloromethane	0.142	U	0.5	0.142	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Dichlorodifluoromethane (Freon 12)	0.0637	U	0.5	0.0637	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Ethylbenzene	0.0753	U	0.5	0.0753	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Isopropylbenzene	0.0768	U	0.5	0.0768	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	m,p-Xylenes	0.0934	U	0.5	0.0934	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Methyl acetate	0.209	U	0.5	0.209	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Methyl cyclohexane	0.101	U	0.5	0.101	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Methyl ethyl ketone	1.87	U	5	1.87	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Methyl isobutyl ketone	1.17	U	5	1.17	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Methyl tert-butyl ether	0.111	U	0.5	0.111	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Methylene chloride	**0.46**	**J**	0.5	0.0249	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	o-Xylene	0.0819	U	0.5	0.0819	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Styrene	0.0853	U	0.5	0.0853	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Tetrachloroethene	0.0758	U	0.5	0.0758	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Toluene	0.0748	U	0.5	0.0748	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	trans-1,2-Dichloroethene	0.0582	U	0.5	0.0582	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	trans-1,3-Dichloropropene	0.148	U	0.5	0.148	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Trichloroethene	0.0674	U	0.5	0.0674	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Trichlorofluoromethane (Freon 11)	0.0779	U	0.5	0.0779	µg/L
Y4ZA9	AB	01-Sep-09	SOM01.2 T	Vinyl chloride	0.0663	U	0.5	0.0663	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 C	1,4-Dioxane (p-dioxane)		U	2		µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,1,1-Trichloroethane	0.0619	U	0.5	0.0619	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,1,2,2-Tetrachloroethane	0.156	U	0.5	0.156	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0798	U	0.5	0.0798	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,1,2-Trichloroethane	0.155	U	0.5	0.155	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,1-Dichloroethane	0.0789	U	0.5	0.0789	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,1-Dichloroethene	0.0749	U	0.5	0.0749	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,2,3-Trichlorobenzene	0.295	U	0.5	0.295	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,2,4-Trichlorobenzene	0.119	U	0.5	0.119	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,2-Dibromo-3-chloropropane	0.19	U	0.5	0.19	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,2-Dibromoethane	0.0843	U	0.5	0.0843	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,2-Dichlorobenzene	0.0752	U	0.5	0.0752	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,2-Dichloroethane	0.134	U	0.5	0.134	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,2-Dichloropropane	0.101	U	0.5	0.101	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,3-Dichlorobenzene	0.112	U	0.5	0.112	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	1,4-Dichlorobenzene	0.0751	U	0.5	0.0751	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	2-Hexanone	1.45	U	5	1.45	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Acetone	2.22	U	5	2.22	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Benzene	0.0759	U	0.5	0.0759	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Bromochloromethane	0.09	U	0.5	0.09	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Bromodichloromethane	0.249	U	0.5	0.249	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Bromoform	0.106	U	0.5	0.106	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Bromomethane	0.0721	U	0.5	0.0721	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Carbon disulfide	0.138	U	0.5	0.138	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Carbon tetrachloride	0.061	U	0.5	0.061	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Chlorobenzene	0.0835	U	0.5	0.0835	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Chloroethane	0.076	U	0.5	0.076	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Chloroform	0.082	U	0.5	0.082	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Chloromethane	**0.13**	**J**	0.5	0.0582	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	cis-1,2-Dichloroethene	0.1	U	0.5	0.1	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	cis-1,3-Dichloropropene	0.12	U	0.5	0.12	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Cyclohexane	0.0584	U	0.5	0.0584	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Dibromochloromethane	0.142	U	0.5	0.142	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Dichlorodifluoromethane (Freon 12)	0.0637	U	0.5	0.0637	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Ethylbenzene	0.0753	U	0.5	0.0753	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Isopropylbenzene	0.0768	U	0.5	0.0768	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	m,p-Xylenes	0.0934	U	0.5	0.0934	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Methyl acetate	0.209	U	0.5	0.209	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Methyl cyclohexane	0.101	U	0.5	0.101	µg/L

TABLE G-4
Field Blank Summary
Omega Chemical Corporation Superfund Site

NativeID	Field Blank Type	Sample Date	Analysis Method	Analyte	Result	LabQualifier	RL	MDL	Units
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Methyl ethyl ketone	1.87	U	5	1.87	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Methyl isobutyl ketone	1.17	U	5	1.17	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Methyl tert-butyl ether	0.111	U	0.5	0.111	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Methylene chloride	0.0249	U	0.5	0.0249	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	o-Xylene	0.0819	U	0.5	0.0819	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Styrene	0.0853	U	0.5	0.0853	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Tetrachloroethene	0.0758	U	0.5	0.0758	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Toluene	**0.23**	**J**	0.5	0.0748	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	trans-1,2-Dichloroethene	0.0582	U	0.5	0.0582	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	trans-1,3-Dichloropropene	0.148	U	0.5	0.148	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Trichloroethene	0.0674	U	0.5	0.0674	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Trichlorofluoromethane (Freon 11)	0.0779	U	0.5	0.0779	µg/L
Y4ZC5	AB	03-Sep-09	SOM01.2 T	Vinyl chloride	0.0663	U	0.5	0.0663	µg/L

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WH7	26-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	92	73 - 125	Percent
Y3WH7	26-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	92	78 - 129	Percent
Y3WH7	26-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**2949**	55 - 104	Percent
Y3WH7	26-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	97	80 - 131	Percent
Y3WH7	26-Feb-08	N	TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y3WH7	26-Feb-08	N	TVOL	2-Butanone-d5	90	49 - 155	Percent
Y3WH7	26-Feb-08	N	TVOL	2-Hexanone-d5	118	28 - 135	Percent
Y3WH7	26-Feb-08	N	TVOL	Benzene-d6	96	77 - 124	Percent
Y3WH7	26-Feb-08	N	TVOL	Chloroethane-d5	128	71 - 131	Percent
Y3WH7	26-Feb-08	N	TVOL	Chloroform-d	**143**	78 - 121	Percent
Y3WH7	26-Feb-08	N	TVOL	Toluene-d8	93	77 - 121	Percent
Y3WH7	26-Feb-08	N	TVOL	trans-1,3-Dichloropropene	76	73 - 121	Percent
Y3WH7	26-Feb-08	N	TVOL	Vinyl chloride-d3	119	65 - 131	Percent
Y3WH8	26-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	93	73 - 125	Percent
Y3WH8	26-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	95	78 - 129	Percent
Y3WH8	26-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**300**	55 - 104	Percent
Y3WH8	26-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	99	80 - 131	Percent
Y3WH8	26-Feb-08	N	TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y3WH8	26-Feb-08	N	TVOL	2-Butanone-d5	89	49 - 155	Percent
Y3WH8	26-Feb-08	N	TVOL	2-Hexanone-d5	118	28 - 135	Percent
Y3WH8	26-Feb-08	N	TVOL	Benzene-d6	96	77 - 124	Percent
Y3WH8	26-Feb-08	N	TVOL	Chloroethane-d5	**132**	71 - 131	Percent
Y3WH8	26-Feb-08	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y3WH8	26-Feb-08	N	TVOL	Toluene-d8	92	77 - 121	Percent
Y3WH8	26-Feb-08	N	TVOL	trans-1,3-Dichloropropene	77	73 - 121	Percent
Y3WH8	26-Feb-08	N	TVOL	Vinyl chloride-d3	115	65 - 131	Percent
Y3WH9	26-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	94	73 - 125	Percent
Y3WH9	26-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	95	78 - 129	Percent
Y3WH9	26-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**1680**	55 - 104	Percent
Y3WH9	26-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	100	80 - 131	Percent
Y3WH9	26-Feb-08	N	TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y3WH9	26-Feb-08	N	TVOL	2-Butanone-d5	91	49 - 155	Percent
Y3WH9	26-Feb-08	N	TVOL	2-Hexanone-d5	124	28 - 135	Percent
Y3WH9	26-Feb-08	N	TVOL	Benzene-d6	95	77 - 124	Percent
Y3WH9	26-Feb-08	N	TVOL	Chloroethane-d5	130	71 - 131	Percent
Y3WH9	26-Feb-08	N	TVOL	Chloroform-d	115	78 - 121	Percent
Y3WH9	26-Feb-08	N	TVOL	Toluene-d8	94	77 - 121	Percent
Y3WH9	26-Feb-08	N	TVOL	trans-1,3-Dichloropropene	76	73 - 121	Percent
Y3WH9	26-Feb-08	N	TVOL	Vinyl chloride-d3	120	65 - 131	Percent
Y3WJ0	26-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	96	73 - 125	Percent
Y3WJ0	26-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	96	78 - 129	Percent
Y3WJ0	26-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**1396**	55 - 104	Percent
Y3WJ0	26-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	97	80 - 131	Percent
Y3WJ0	26-Feb-08	N	TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y3WJ0	26-Feb-08	N	TVOL	2-Butanone-d5	94	49 - 155	Percent
Y3WJ0	26-Feb-08	N	TVOL	2-Hexanone-d5	122	28 - 135	Percent
Y3WJ0	26-Feb-08	N	TVOL	Benzene-d6	95	77 - 124	Percent
Y3WJ0	26-Feb-08	N	TVOL	Chloroethane-d5	**132**	71 - 131	Percent
Y3WJ0	26-Feb-08	N	TVOL	Chloroform-d	107	78 - 121	Percent
Y3WJ0	26-Feb-08	N	TVOL	Toluene-d8	93	77 - 121	Percent
Y3WJ0	26-Feb-08	N	TVOL	trans-1,3-Dichloropropene	75	73 - 121	Percent
Y3WJ0	26-Feb-08	N	TVOL	Vinyl chloride-d3	123	65 - 131	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WJ1	26-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	97	73 - 125	Percent
Y3WJ1	26-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	97	78 - 129	Percent
Y3WJ1	26-Feb-08	N	TVOL	1,1-Dichloroethene-d2	62	55 - 104	Percent
Y3WJ1	26-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y3WJ1	26-Feb-08	N	TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y3WJ1	26-Feb-08	N	TVOL	2-Butanone-d5	95	49 - 155	Percent
Y3WJ1	26-Feb-08	N	TVOL	2-Hexanone-d5	106	28 - 135	Percent
Y3WJ1	26-Feb-08	N	TVOL	Benzene-d6	98	77 - 124	Percent
Y3WJ1	26-Feb-08	N	TVOL	Chloroethane-d5	113	71 - 131	Percent
Y3WJ1	26-Feb-08	N	TVOL	Chloroform-d	93	78 - 121	Percent
Y3WJ1	26-Feb-08	N	TVOL	Toluene-d8	97	77 - 121	Percent
Y3WJ1	26-Feb-08	N	TVOL	trans-1,3-Dichloropropene	93	73 - 121	Percent
Y3WJ1	26-Feb-08	N	TVOL	Vinyl chloride-d3	119	65 - 131	Percent
Y3WJ2	26-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	98	73 - 125	Percent
Y3WJ2	26-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	102	78 - 129	Percent
Y3WJ2	26-Feb-08	N	TVOL	1,1-Dichloroethene-d2	70	55 - 104	Percent
Y3WJ2	26-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	98	80 - 131	Percent
Y3WJ2	26-Feb-08	N	TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y3WJ2	26-Feb-08	N	TVOL	2-Butanone-d5	90	49 - 155	Percent
Y3WJ2	26-Feb-08	N	TVOL	2-Hexanone-d5	96	28 - 135	Percent
Y3WJ2	26-Feb-08	N	TVOL	Benzene-d6	98	77 - 124	Percent
Y3WJ2	26-Feb-08	N	TVOL	Chloroethane-d5	102	71 - 131	Percent
Y3WJ2	26-Feb-08	N	TVOL	Chloroform-d	94	78 - 121	Percent
Y3WJ2	26-Feb-08	N	TVOL	Toluene-d8	97	77 - 121	Percent
Y3WJ2	26-Feb-08	N	TVOL	trans-1,3-Dichloropropene	87	73 - 121	Percent
Y3WJ2	26-Feb-08	N	TVOL	Vinyl chloride-d3	116	65 - 131	Percent
Y3WJ3	27-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y3WJ3	27-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	102	78 - 129	Percent
Y3WJ3	27-Feb-08	N	TVOL	1,1-Dichloroethene-d2	64	55 - 104	Percent
Y3WJ3	27-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y3WJ3	27-Feb-08	N	TVOL	1,2-Dichloropropane-d6	90	79 - 124	Percent
Y3WJ3	27-Feb-08	N	TVOL	2-Butanone-d5	93	49 - 155	Percent
Y3WJ3	27-Feb-08	N	TVOL	2-Hexanone-d5	98	28 - 135	Percent
Y3WJ3	27-Feb-08	N	TVOL	Benzene-d6	97	77 - 124	Percent
Y3WJ3	27-Feb-08	N	TVOL	Chloroethane-d5	96	71 - 131	Percent
Y3WJ3	27-Feb-08	N	TVOL	Chloroform-d	97	78 - 121	Percent
Y3WJ3	27-Feb-08	N	TVOL	Toluene-d8	97	77 - 121	Percent
Y3WJ3	27-Feb-08	N	TVOL	trans-1,3-Dichloropropene	82	73 - 121	Percent
Y3WJ3	27-Feb-08	N	TVOL	Vinyl chloride-d3	116	65 - 131	Percent
Y3WJ4	27-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	96	73 - 125	Percent
Y3WJ4	27-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	100	78 - 129	Percent
Y3WJ4	27-Feb-08	N	TVOL	1,1-Dichloroethene-d2	77	55 - 104	Percent
Y3WJ4	27-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y3WJ4	27-Feb-08	N	TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y3WJ4	27-Feb-08	N	TVOL	2-Butanone-d5	97	49 - 155	Percent
Y3WJ4	27-Feb-08	N	TVOL	2-Hexanone-d5	106	28 - 135	Percent
Y3WJ4	27-Feb-08	N	TVOL	Benzene-d6	101	77 - 124	Percent
Y3WJ4	27-Feb-08	N	TVOL	Chloroethane-d5	98	71 - 131	Percent
Y3WJ4	27-Feb-08	N	TVOL	Chloroform-d	94	78 - 121	Percent
Y3WJ4	27-Feb-08	N	TVOL	Toluene-d8	98	77 - 121	Percent
Y3WJ4	27-Feb-08	N	TVOL	trans-1,3-Dichloropropene	89	73 - 121	Percent
Y3WJ4	27-Feb-08	N	TVOL	Vinyl chloride-d3	**134**	65 - 131	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WJ5	27-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	97	73 - 125	Percent
Y3WJ5	27-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	100	78 - 129	Percent
Y3WJ5	27-Feb-08	N	TVOL	1,1-Dichloroethene-d2	77	55 - 104	Percent
Y3WJ5	27-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y3WJ5	27-Feb-08	N	TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y3WJ5	27-Feb-08	N	TVOL	2-Butanone-d5	90	49 - 155	Percent
Y3WJ5	27-Feb-08	N	TVOL	2-Hexanone-d5	100	28 - 135	Percent
Y3WJ5	27-Feb-08	N	TVOL	Benzene-d6	99	77 - 124	Percent
Y3WJ5	27-Feb-08	N	TVOL	Chloroethane-d5	119	71 - 131	Percent
Y3WJ5	27-Feb-08	N	TVOL	Chloroform-d	93	78 - 121	Percent
Y3WJ5	27-Feb-08	N	TVOL	Toluene-d8	99	77 - 121	Percent
Y3WJ5	27-Feb-08	N	TVOL	trans-1,3-Dichloropropene	85	73 - 121	Percent
Y3WJ5	27-Feb-08	N	TVOL	Vinyl chloride-d3	**134**	65 - 131	Percent
Y3WJ6	27-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y3WJ6	27-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	104	78 - 129	Percent
Y3WJ6	27-Feb-08	N	TVOL	1,1-Dichloroethene-d2	85	55 - 104	Percent
Y3WJ6	27-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	99	80 - 131	Percent
Y3WJ6	27-Feb-08	N	TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y3WJ6	27-Feb-08	N	TVOL	2-Butanone-d5	82	49 - 155	Percent
Y3WJ6	27-Feb-08	N	TVOL	2-Hexanone-d5	91	28 - 135	Percent
Y3WJ6	27-Feb-08	N	TVOL	Benzene-d6	99	77 - 124	Percent
Y3WJ6	27-Feb-08	N	TVOL	Chloroethane-d5	119	71 - 131	Percent
Y3WJ6	27-Feb-08	N	TVOL	Chloroform-d	94	78 - 121	Percent
Y3WJ6	27-Feb-08	N	TVOL	Toluene-d8	100	77 - 121	Percent
Y3WJ6	27-Feb-08	N	TVOL	trans-1,3-Dichloropropene	86	73 - 121	Percent
Y3WJ6	27-Feb-08	N	TVOL	Vinyl chloride-d3	121	65 - 131	Percent
Y3WJ7	27-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	99	73 - 125	Percent
Y3WJ7	27-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	102	78 - 129	Percent
Y3WJ7	27-Feb-08	N	TVOL	1,1-Dichloroethene-d2	72	55 - 104	Percent
Y3WJ7	27-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	103	80 - 131	Percent
Y3WJ7	27-Feb-08	N	TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y3WJ7	27-Feb-08	N	TVOL	2-Butanone-d5	89	49 - 155	Percent
Y3WJ7	27-Feb-08	N	TVOL	2-Hexanone-d5	97	28 - 135	Percent
Y3WJ7	27-Feb-08	N	TVOL	Benzene-d6	101	77 - 124	Percent
Y3WJ7	27-Feb-08	N	TVOL	Chloroethane-d5	113	71 - 131	Percent
Y3WJ7	27-Feb-08	N	TVOL	Chloroform-d	97	78 - 121	Percent
Y3WJ7	27-Feb-08	N	TVOL	Toluene-d8	102	77 - 121	Percent
Y3WJ7	27-Feb-08	N	TVOL	trans-1,3-Dichloropropene	87	73 - 121	Percent
Y3WJ7	27-Feb-08	N	TVOL	Vinyl chloride-d3	**138**	65 - 131	Percent
Y3WJ8	27-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	96	73 - 125	Percent
Y3WJ8	27-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	102	78 - 129	Percent
Y3WJ8	27-Feb-08	N	TVOL	1,1-Dichloroethene-d2	83	55 - 104	Percent
Y3WJ8	27-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	103	80 - 131	Percent
Y3WJ8	27-Feb-08	N	TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y3WJ8	27-Feb-08	N	TVOL	2-Butanone-d5	84	49 - 155	Percent
Y3WJ8	27-Feb-08	N	TVOL	2-Hexanone-d5	90	28 - 135	Percent
Y3WJ8	27-Feb-08	N	TVOL	Benzene-d6	102	77 - 124	Percent
Y3WJ8	27-Feb-08	N	TVOL	Chloroethane-d5	121	71 - 131	Percent
Y3WJ8	27-Feb-08	N	TVOL	Chloroform-d	95	78 - 121	Percent
Y3WJ8	27-Feb-08	N	TVOL	Toluene-d8	102	77 - 121	Percent
Y3WJ8	27-Feb-08	N	TVOL	trans-1,3-Dichloropropene	88	73 - 121	Percent
Y3WJ8	27-Feb-08	N	TVOL	Vinyl chloride-d3	130	65 - 131	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WJ9	28-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	99	73 - 125	Percent
Y3WJ9	28-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	106	78 - 129	Percent
Y3WJ9	28-Feb-08	N	TVOL	1,1-Dichloroethene-d2	73	55 - 104	Percent
Y3WJ9	28-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	107	80 - 131	Percent
Y3WJ9	28-Feb-08	N	TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y3WJ9	28-Feb-08	N	TVOL	2-Butanone-d5	92	49 - 155	Percent
Y3WJ9	28-Feb-08	N	TVOL	2-Hexanone-d5	97	28 - 135	Percent
Y3WJ9	28-Feb-08	N	TVOL	Benzene-d6	101	77 - 124	Percent
Y3WJ9	28-Feb-08	N	TVOL	Chloroethane-d5	**133**	71 - 131	Percent
Y3WJ9	28-Feb-08	N	TVOL	Chloroform-d	96	78 - 121	Percent
Y3WJ9	28-Feb-08	N	TVOL	Toluene-d8	100	77 - 121	Percent
Y3WJ9	28-Feb-08	N	TVOL	trans-1,3-Dichloropropene	83	73 - 121	Percent
Y3WJ9	28-Feb-08	N	TVOL	Vinyl chloride-d3	**134**	65 - 131	Percent
Y3WK0	28-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	97	73 - 125	Percent
Y3WK0	28-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	104	78 - 129	Percent
Y3WK0	28-Feb-08	N	TVOL	1,1-Dichloroethene-d2	73	55 - 104	Percent
Y3WK0	28-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y3WK0	28-Feb-08	N	TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y3WK0	28-Feb-08	N	TVOL	2-Butanone-d5	87	49 - 155	Percent
Y3WK0	28-Feb-08	N	TVOL	2-Hexanone-d5	95	28 - 135	Percent
Y3WK0	28-Feb-08	N	TVOL	Benzene-d6	103	77 - 124	Percent
Y3WK0	28-Feb-08	N	TVOL	Chloroethane-d5	100	71 - 131	Percent
Y3WK0	28-Feb-08	N	TVOL	Chloroform-d	96	78 - 121	Percent
Y3WK0	28-Feb-08	N	TVOL	Toluene-d8	101	77 - 121	Percent
Y3WK0	28-Feb-08	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y3WK0	28-Feb-08	N	TVOL	Vinyl chloride-d3	121	65 - 131	Percent
Y3WK1	28-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	95	73 - 125	Percent
Y3WK1	28-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	105	78 - 129	Percent
Y3WK1	28-Feb-08	N	TVOL	1,1-Dichloroethene-d2	80	55 - 104	Percent
Y3WK1	28-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	100	80 - 131	Percent
Y3WK1	28-Feb-08	N	TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y3WK1	28-Feb-08	N	TVOL	2-Butanone-d5	87	49 - 155	Percent
Y3WK1	28-Feb-08	N	TVOL	2-Hexanone-d5	92	28 - 135	Percent
Y3WK1	28-Feb-08	N	TVOL	Benzene-d6	100	77 - 124	Percent
Y3WK1	28-Feb-08	N	TVOL	Chloroethane-d5	120	71 - 131	Percent
Y3WK1	28-Feb-08	N	TVOL	Chloroform-d	96	78 - 121	Percent
Y3WK1	28-Feb-08	N	TVOL	Toluene-d8	98	77 - 121	Percent
Y3WK1	28-Feb-08	N	TVOL	trans-1,3-Dichloropropene	81	73 - 121	Percent
Y3WK1	28-Feb-08	N	TVOL	Vinyl chloride-d3	120	65 - 131	Percent
Y3WK2	28-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	99	73 - 125	Percent
Y3WK2	28-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	101	78 - 129	Percent
Y3WK2	28-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**1220**	55 - 104	Percent
Y3WK2	28-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	103	80 - 131	Percent
Y3WK2	28-Feb-08	N	TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y3WK2	28-Feb-08	N	TVOL	2-Butanone-d5	100	49 - 155	Percent
Y3WK2	28-Feb-08	N	TVOL	2-Hexanone-d5	102	28 - 135	Percent
Y3WK2	28-Feb-08	N	TVOL	Benzene-d6	100	77 - 124	Percent
Y3WK2	28-Feb-08	N	TVOL	Chloroethane-d5	96	71 - 131	Percent
Y3WK2	28-Feb-08	N	TVOL	Chloroform-d	112	78 - 121	Percent
Y3WK2	28-Feb-08	N	TVOL	Toluene-d8	96	77 - 121	Percent
Y3WK2	28-Feb-08	N	TVOL	trans-1,3-Dichloropropene	85	73 - 121	Percent
Y3WK2	28-Feb-08	N	TVOL	Vinyl chloride-d3	113	65 - 131	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WK3	28-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	99	73 - 125	Percent
Y3WK3	28-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	103	78 - 129	Percent
Y3WK3	28-Feb-08	N	TVOL	1,1-Dichloroethene-d2	81	55 - 104	Percent
Y3WK3	28-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	97	80 - 131	Percent
Y3WK3	28-Feb-08	N	TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y3WK3	28-Feb-08	N	TVOL	2-Butanone-d5	86	49 - 155	Percent
Y3WK3	28-Feb-08	N	TVOL	2-Hexanone-d5	90	28 - 135	Percent
Y3WK3	28-Feb-08	N	TVOL	Benzene-d6	100	77 - 124	Percent
Y3WK3	28-Feb-08	N	TVOL	Chloroethane-d5	117	71 - 131	Percent
Y3WK3	28-Feb-08	N	TVOL	Chloroform-d	97	78 - 121	Percent
Y3WK3	28-Feb-08	N	TVOL	Toluene-d8	101	77 - 121	Percent
Y3WK3	28-Feb-08	N	TVOL	trans-1,3-Dichloropropene	85	73 - 121	Percent
Y3WK3	28-Feb-08	N	TVOL	Vinyl chloride-d3	110	65 - 131	Percent
Y3WK4	28-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	100	73 - 125	Percent
Y3WK4	28-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	105	78 - 129	Percent
Y3WK4	28-Feb-08	N	TVOL	1,1-Dichloroethene-d2	73	55 - 104	Percent
Y3WK4	28-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	99	80 - 131	Percent
Y3WK4	28-Feb-08	N	TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y3WK4	28-Feb-08	N	TVOL	2-Butanone-d5	87	49 - 155	Percent
Y3WK4	28-Feb-08	N	TVOL	2-Hexanone-d5	97	28 - 135	Percent
Y3WK4	28-Feb-08	N	TVOL	Benzene-d6	103	77 - 124	Percent
Y3WK4	28-Feb-08	N	TVOL	Chloroethane-d5	112	71 - 131	Percent
Y3WK4	28-Feb-08	N	TVOL	Chloroform-d	97	78 - 121	Percent
Y3WK4	28-Feb-08	N	TVOL	Toluene-d8	101	77 - 121	Percent
Y3WK4	28-Feb-08	N	TVOL	trans-1,3-Dichloropropene	83	73 - 121	Percent
Y3WK4	28-Feb-08	N	TVOL	Vinyl chloride-d3	**140**	65 - 131	Percent
Y3WK5	28-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y3WK5	28-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	107	78 - 129	Percent
Y3WK5	28-Feb-08	N	TVOL	1,1-Dichloroethene-d2	86	55 - 104	Percent
Y3WK5	28-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	100	80 - 131	Percent
Y3WK5	28-Feb-08	N	TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y3WK5	28-Feb-08	N	TVOL	2-Butanone-d5	89	49 - 155	Percent
Y3WK5	28-Feb-08	N	TVOL	2-Hexanone-d5	96	28 - 135	Percent
Y3WK5	28-Feb-08	N	TVOL	Benzene-d6	99	77 - 124	Percent
Y3WK5	28-Feb-08	N	TVOL	Chloroethane-d5	120	71 - 131	Percent
Y3WK5	28-Feb-08	N	TVOL	Chloroform-d	96	78 - 121	Percent
Y3WK5	28-Feb-08	N	TVOL	Toluene-d8	100	77 - 121	Percent
Y3WK5	28-Feb-08	N	TVOL	trans-1,3-Dichloropropene	83	73 - 121	Percent
Y3WK5	28-Feb-08	N	TVOL	Vinyl chloride-d3	113	65 - 131	Percent
Y3WK6	28-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y3WK6	28-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	105	78 - 129	Percent
Y3WK6	28-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**1550**	55 - 104	Percent
Y3WK6	28-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	99	80 - 131	Percent
Y3WK6	28-Feb-08	N	TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y3WK6	28-Feb-08	N	TVOL	2-Butanone-d5	96	49 - 155	Percent
Y3WK6	28-Feb-08	N	TVOL	2-Hexanone-d5	105	28 - 135	Percent
Y3WK6	28-Feb-08	N	TVOL	Benzene-d6	102	77 - 124	Percent
Y3WK6	28-Feb-08	N	TVOL	Chloroethane-d5	92	71 - 131	Percent
Y3WK6	28-Feb-08	N	TVOL	Chloroform-d	109	78 - 121	Percent
Y3WK6	28-Feb-08	N	TVOL	Toluene-d8	98	77 - 121	Percent
Y3WK6	28-Feb-08	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y3WK6	28-Feb-08	N	TVOL	Vinyl chloride-d3	113	65 - 131	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WK7	28-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	102	73 - 125	Percent
Y3WK7	28-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	103	78 - 129	Percent
Y3WK7	28-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**2302**	55 - 104	Percent
Y3WK7	28-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	112	80 - 131	Percent
Y3WK7	28-Feb-08	N	TVOL	1,2-Dichloropropane-d6	109	79 - 124	Percent
Y3WK7	28-Feb-08	N	TVOL	2-Butanone-d5	100	49 - 155	Percent
Y3WK7	28-Feb-08	N	TVOL	2-Hexanone-d5	113	28 - 135	Percent
Y3WK7	28-Feb-08	N	TVOL	Benzene-d6	115	77 - 124	Percent
Y3WK7	28-Feb-08	N	TVOL	Chloroethane-d5	71	71 - 131	Percent
Y3WK7	28-Feb-08	N	TVOL	Chloroform-d	**170**	78 - 121	Percent
Y3WK7	28-Feb-08	N	TVOL	Toluene-d8	114	77 - 121	Percent
Y3WK7	28-Feb-08	N	TVOL	trans-1,3-Dichloropropene	110	73 - 121	Percent
Y3WK7	28-Feb-08	N	TVOL	Vinyl chloride-d3	83	65 - 131	Percent
Y3WK8	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	103	73 - 125	Percent
Y3WK8	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	104	78 - 129	Percent
Y3WK8	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**1017**	55 - 104	Percent
Y3WK8	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	114	80 - 131	Percent
Y3WK8	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	110	79 - 124	Percent
Y3WK8	29-Feb-08	N	TVOL	2-Butanone-d5	107	49 - 155	Percent
Y3WK8	29-Feb-08	N	TVOL	2-Hexanone-d5	122	28 - 135	Percent
Y3WK8	29-Feb-08	N	TVOL	Benzene-d6	116	77 - 124	Percent
Y3WK8	29-Feb-08	N	TVOL	Chloroethane-d5	73	71 - 131	Percent
Y3WK8	29-Feb-08	N	TVOL	Chloroform-d	**125**	78 - 121	Percent
Y3WK8	29-Feb-08	N	TVOL	Toluene-d8	114	77 - 121	Percent
Y3WK8	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	109	73 - 121	Percent
Y3WK8	29-Feb-08	N	TVOL	Vinyl chloride-d3	85	65 - 131	Percent
Y3WK9	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	104	73 - 125	Percent
Y3WK9	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	109	78 - 129	Percent
Y3WK9	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	91	55 - 104	Percent
Y3WK9	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y3WK9	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y3WK9	29-Feb-08	N	TVOL	2-Butanone-d5	84	49 - 155	Percent
Y3WK9	29-Feb-08	N	TVOL	2-Hexanone-d5	87	28 - 135	Percent
Y3WK9	29-Feb-08	N	TVOL	Benzene-d6	104	77 - 124	Percent
Y3WK9	29-Feb-08	N	TVOL	Chloroethane-d5	80	71 - 131	Percent
Y3WK9	29-Feb-08	N	TVOL	Chloroform-d	98	78 - 121	Percent
Y3WK9	29-Feb-08	N	TVOL	Toluene-d8	103	77 - 121	Percent
Y3WK9	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y3WK9	29-Feb-08	N	TVOL	Vinyl chloride-d3	107	65 - 131	Percent
Y3WL0	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	100	73 - 125	Percent
Y3WL0	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	109	78 - 129	Percent
Y3WL0	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	88	55 - 104	Percent
Y3WL0	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	105	80 - 131	Percent
Y3WL0	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	99	79 - 124	Percent
Y3WL0	29-Feb-08	N	TVOL	2-Butanone-d5	89	49 - 155	Percent
Y3WL0	29-Feb-08	N	TVOL	2-Hexanone-d5	94	28 - 135	Percent
Y3WL0	29-Feb-08	N	TVOL	Benzene-d6	106	77 - 124	Percent
Y3WL0	29-Feb-08	N	TVOL	Chloroethane-d5	80	71 - 131	Percent
Y3WL0	29-Feb-08	N	TVOL	Chloroform-d	97	78 - 121	Percent
Y3WL0	29-Feb-08	N	TVOL	Toluene-d8	101	77 - 121	Percent
Y3WL0	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	89	73 - 121	Percent
Y3WL0	29-Feb-08	N	TVOL	Vinyl chloride-d3	99	65 - 131	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WL1	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	100	73 - 125	Percent
Y3WL1	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	111	78 - 129	Percent
Y3WL1	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**278**	55 - 104	Percent
Y3WL1	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	113	80 - 131	Percent
Y3WL1	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	107	79 - 124	Percent
Y3WL1	29-Feb-08	N	TVOL	2-Butanone-d5	105	49 - 155	Percent
Y3WL1	29-Feb-08	N	TVOL	2-Hexanone-d5	117	28 - 135	Percent
Y3WL1	29-Feb-08	N	TVOL	Benzene-d6	114	77 - 124	Percent
Y3WL1	29-Feb-08	N	TVOL	Chloroethane-d5	81	71 - 131	Percent
Y3WL1	29-Feb-08	N	TVOL	Chloroform-d	109	78 - 121	Percent
Y3WL1	29-Feb-08	N	TVOL	Toluene-d8	112	77 - 121	Percent
Y3WL1	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	106	73 - 121	Percent
Y3WL1	29-Feb-08	N	TVOL	Vinyl chloride-d3	91	65 - 131	Percent
Y3WL2	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	102	73 - 125	Percent
Y3WL2	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	108	78 - 129	Percent
Y3WL2	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**217**	55 - 104	Percent
Y3WL2	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	119	80 - 131	Percent
Y3WL2	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	109	79 - 124	Percent
Y3WL2	29-Feb-08	N	TVOL	2-Butanone-d5	109	49 - 155	Percent
Y3WL2	29-Feb-08	N	TVOL	2-Hexanone-d5	123	28 - 135	Percent
Y3WL2	29-Feb-08	N	TVOL	Benzene-d6	116	77 - 124	Percent
Y3WL2	29-Feb-08	N	TVOL	Chloroethane-d5	**67**	71 - 131	Percent
Y3WL2	29-Feb-08	N	TVOL	Chloroform-d	113	78 - 121	Percent
Y3WL2	29-Feb-08	N	TVOL	Toluene-d8	116	77 - 121	Percent
Y3WL2	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	107	73 - 121	Percent
Y3WL2	29-Feb-08	N	TVOL	Vinyl chloride-d3	89	65 - 131	Percent
Y3WL3	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	102	73 - 125	Percent
Y3WL3	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	108	78 - 129	Percent
Y3WL3	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**219**	55 - 104	Percent
Y3WL3	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	112	80 - 131	Percent
Y3WL3	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	110	79 - 124	Percent
Y3WL3	29-Feb-08	N	TVOL	2-Butanone-d5	103	49 - 155	Percent
Y3WL3	29-Feb-08	N	TVOL	2-Hexanone-d5	118	28 - 135	Percent
Y3WL3	29-Feb-08	N	TVOL	Benzene-d6	115	77 - 124	Percent
Y3WL3	29-Feb-08	N	TVOL	Chloroethane-d5	72	71 - 131	Percent
Y3WL3	29-Feb-08	N	TVOL	Chloroform-d	109	78 - 121	Percent
Y3WL3	29-Feb-08	N	TVOL	Toluene-d8	112	77 - 121	Percent
Y3WL3	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	109	73 - 121	Percent
Y3WL3	29-Feb-08	N	TVOL	Vinyl chloride-d3	83	65 - 131	Percent
Y3WL4	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	103	73 - 125	Percent
Y3WL4	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	112	78 - 129	Percent
Y3WL4	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	90	55 - 104	Percent
Y3WL4	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	101	80 - 131	Percent
Y3WL4	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y3WL4	29-Feb-08	N	TVOL	2-Butanone-d5	84	49 - 155	Percent
Y3WL4	29-Feb-08	N	TVOL	2-Hexanone-d5	89	28 - 135	Percent
Y3WL4	29-Feb-08	N	TVOL	Benzene-d6	104	77 - 124	Percent
Y3WL4	29-Feb-08	N	TVOL	Chloroethane-d5	83	71 - 131	Percent
Y3WL4	29-Feb-08	N	TVOL	Chloroform-d	100	78 - 121	Percent
Y3WL4	29-Feb-08	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y3WL4	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	85	73 - 121	Percent
Y3WL4	29-Feb-08	N	TVOL	Vinyl chloride-d3	101	65 - 131	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WL5	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	103	73 - 125	Percent
Y3WL5	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	114	78 - 129	Percent
Y3WL5	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	100	55 - 104	Percent
Y3WL5	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	104	80 - 131	Percent
Y3WL5	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	99	79 - 124	Percent
Y3WL5	29-Feb-08	N	TVOL	2-Butanone-d5	97	49 - 155	Percent
Y3WL5	29-Feb-08	N	TVOL	2-Hexanone-d5	106	28 - 135	Percent
Y3WL5	29-Feb-08	N	TVOL	Benzene-d6	103	77 - 124	Percent
Y3WL5	29-Feb-08	N	TVOL	Chloroethane-d5	81	71 - 131	Percent
Y3WL5	29-Feb-08	N	TVOL	Chloroform-d	95	78 - 121	Percent
Y3WL5	29-Feb-08	N	TVOL	Toluene-d8	102	77 - 121	Percent
Y3WL5	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	96	73 - 121	Percent
Y3WL5	29-Feb-08	N	TVOL	Vinyl chloride-d3	84	65 - 131	Percent
Y3WL6	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	103	73 - 125	Percent
Y3WL6	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	112	78 - 129	Percent
Y3WL6	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	**166**	55 - 104	Percent
Y3WL6	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	116	80 - 131	Percent
Y3WL6	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	105	79 - 124	Percent
Y3WL6	29-Feb-08	N	TVOL	2-Butanone-d5	103	49 - 155	Percent
Y3WL6	29-Feb-08	N	TVOL	2-Hexanone-d5	115	28 - 135	Percent
Y3WL6	29-Feb-08	N	TVOL	Benzene-d6	112	77 - 124	Percent
Y3WL6	29-Feb-08	N	TVOL	Chloroethane-d5	75	71 - 131	Percent
Y3WL6	29-Feb-08	N	TVOL	Chloroform-d	106	78 - 121	Percent
Y3WL6	29-Feb-08	N	TVOL	Toluene-d8	110	77 - 121	Percent
Y3WL6	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	104	73 - 121	Percent
Y3WL6	29-Feb-08	N	TVOL	Vinyl chloride-d3	80	65 - 131	Percent
Y3WL7	29-Feb-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	104	73 - 125	Percent
Y3WL7	29-Feb-08	N	SIMVOL	1,2-Dichloroethane-d4	114	78 - 129	Percent
Y3WL7	29-Feb-08	N	TVOL	1,1-Dichloroethene-d2	93	55 - 104	Percent
Y3WL7	29-Feb-08	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y3WL7	29-Feb-08	N	TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y3WL7	29-Feb-08	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y3WL7	29-Feb-08	N	TVOL	2-Hexanone-d5	84	28 - 135	Percent
Y3WL7	29-Feb-08	N	TVOL	Benzene-d6	104	77 - 124	Percent
Y3WL7	29-Feb-08	N	TVOL	Chloroethane-d5	92	71 - 131	Percent
Y3WL7	29-Feb-08	N	TVOL	Chloroform-d	99	78 - 121	Percent
Y3WL7	29-Feb-08	N	TVOL	Toluene-d8	103	77 - 121	Percent
Y3WL7	29-Feb-08	N	TVOL	trans-1,3-Dichloropropene	86	73 - 121	Percent
Y3WL7	29-Feb-08	N	TVOL	Vinyl chloride-d3	108	65 - 131	Percent
Y3WL8	3-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	88	73 - 125	Percent
Y3WL8	3-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	104	78 - 129	Percent
Y3WL8	3-Mar-08	N	TVOL	1,1-Dichloroethene-d2	74	55 - 104	Percent
Y3WL8	3-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	106	80 - 131	Percent
Y3WL8	3-Mar-08	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y3WL8	3-Mar-08	N	TVOL	2-Butanone-d5	98	49 - 155	Percent
Y3WL8	3-Mar-08	N	TVOL	2-Hexanone-d5	107	28 - 135	Percent
Y3WL8	3-Mar-08	N	TVOL	Benzene-d6	104	77 - 124	Percent
Y3WL8	3-Mar-08	N	TVOL	Chloroethane-d5	79	71 - 131	Percent
Y3WL8	3-Mar-08	N	TVOL	Chloroform-d	103	78 - 121	Percent
Y3WL8	3-Mar-08	N	TVOL	Toluene-d8	102	77 - 121	Percent
Y3WL8	3-Mar-08	N	TVOL	trans-1,3-Dichloropropene	93	73 - 121	Percent
Y3WL8	3-Mar-08	N	TVOL	Vinyl chloride-d3	95	65 - 131	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WL9	3-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	90	73 - 125	Percent
Y3WL9	3-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	103	78 - 129	Percent
Y3WL9	3-Mar-08	N	TVOL	1,1-Dichloroethene-d2	93	55 - 104	Percent
Y3WL9	3-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	107	80 - 131	Percent
Y3WL9	3-Mar-08	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y3WL9	3-Mar-08	N	TVOL	2-Butanone-d5	87	49 - 155	Percent
Y3WL9	3-Mar-08	N	TVOL	2-Hexanone-d5	87	28 - 135	Percent
Y3WL9	3-Mar-08	N	TVOL	Benzene-d6	105	77 - 124	Percent
Y3WL9	3-Mar-08	N	TVOL	Chloroethane-d5	**69**	71 - 131	Percent
Y3WL9	3-Mar-08	N	TVOL	Chloroform-d	100	78 - 121	Percent
Y3WL9	3-Mar-08	N	TVOL	Toluene-d8	103	77 - 121	Percent
Y3WL9	3-Mar-08	N	TVOL	trans-1,3-Dichloropropene	83	73 - 121	Percent
Y3WL9	3-Mar-08	N	TVOL	Vinyl chloride-d3	88	65 - 131	Percent
Y3WM0	3-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	95	73 - 125	Percent
Y3WM0	3-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	107	78 - 129	Percent
Y3WM0	3-Mar-08	N	TVOL	1,1-Dichloroethene-d2	77	55 - 104	Percent
Y3WM0	3-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	109	80 - 131	Percent
Y3WM0	3-Mar-08	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y3WM0	3-Mar-08	N	TVOL	2-Butanone-d5	92	49 - 155	Percent
Y3WM0	3-Mar-08	N	TVOL	2-Hexanone-d5	93	28 - 135	Percent
Y3WM0	3-Mar-08	N	TVOL	Benzene-d6	108	77 - 124	Percent
Y3WM0	3-Mar-08	N	TVOL	Chloroethane-d5	72	71 - 131	Percent
Y3WM0	3-Mar-08	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y3WM0	3-Mar-08	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y3WM0	3-Mar-08	N	TVOL	trans-1,3-Dichloropropene	88	73 - 121	Percent
Y3WM0	3-Mar-08	N	TVOL	Vinyl chloride-d3	98	65 - 131	Percent
Y3WM1	3-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	98	73 - 125	Percent
Y3WM1	3-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	108	78 - 129	Percent
Y3WM1	3-Mar-08	N	TVOL	1,1-Dichloroethene-d2	71	55 - 104	Percent
Y3WM1	3-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	108	80 - 131	Percent
Y3WM1	3-Mar-08	N	TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y3WM1	3-Mar-08	N	TVOL	2-Butanone-d5	98	49 - 155	Percent
Y3WM1	3-Mar-08	N	TVOL	2-Hexanone-d5	100	28 - 135	Percent
Y3WM1	3-Mar-08	N	TVOL	Benzene-d6	102	77 - 124	Percent
Y3WM1	3-Mar-08	N	TVOL	Chloroethane-d5	79	71 - 131	Percent
Y3WM1	3-Mar-08	N	TVOL	Chloroform-d	98	78 - 121	Percent
Y3WM1	3-Mar-08	N	TVOL	Toluene-d8	100	77 - 121	Percent
Y3WM1	3-Mar-08	N	TVOL	trans-1,3-Dichloropropene	93	73 - 121	Percent
Y3WM1	3-Mar-08	N	TVOL	Vinyl chloride-d3	89	65 - 131	Percent
Y3WM2	3-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	102	73 - 125	Percent
Y3WM2	3-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	112	78 - 129	Percent
Y3WM2	3-Mar-08	N	TVOL	1,1-Dichloroethene-d2	78	55 - 104	Percent
Y3WM2	3-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	105	80 - 131	Percent
Y3WM2	3-Mar-08	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y3WM2	3-Mar-08	N	TVOL	2-Butanone-d5	87	49 - 155	Percent
Y3WM2	3-Mar-08	N	TVOL	2-Hexanone-d5	89	28 - 135	Percent
Y3WM2	3-Mar-08	N	TVOL	Benzene-d6	109	77 - 124	Percent
Y3WM2	3-Mar-08	N	TVOL	Chloroethane-d5	81	71 - 131	Percent
Y3WM2	3-Mar-08	N	TVOL	Chloroform-d	100	78 - 121	Percent
Y3WM2	3-Mar-08	N	TVOL	Toluene-d8	107	77 - 121	Percent
Y3WM2	3-Mar-08	N	TVOL	trans-1,3-Dichloropropene	83	73 - 121	Percent
Y3WM2	3-Mar-08	N	TVOL	Vinyl chloride-d3	110	65 - 131	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WM3	3-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	102	73 - 125	Percent
Y3WM3	3-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	112	78 - 129	Percent
Y3WM3	3-Mar-08	N	TVOL	1,1-Dichloroethene-d2	99	55 - 104	Percent
Y3WM3	3-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y3WM3	3-Mar-08	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y3WM3	3-Mar-08	N	TVOL	2-Butanone-d5	96	49 - 155	Percent
Y3WM3	3-Mar-08	N	TVOL	2-Hexanone-d5	100	28 - 135	Percent
Y3WM3	3-Mar-08	N	TVOL	Benzene-d6	105	77 - 124	Percent
Y3WM3	3-Mar-08	N	TVOL	Chloroethane-d5	79	71 - 131	Percent
Y3WM3	3-Mar-08	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y3WM3	3-Mar-08	N	TVOL	Toluene-d8	103	77 - 121	Percent
Y3WM3	3-Mar-08	N	TVOL	trans-1,3-Dichloropropene	96	73 - 121	Percent
Y3WM3	3-Mar-08	N	TVOL	Vinyl chloride-d3	84	65 - 131	Percent
Y3WM4	3-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	104	73 - 125	Percent
Y3WM4	3-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	117	78 - 129	Percent
Y3WM4	3-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**182**	55 - 104	Percent
Y3WM4	3-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	104	80 - 131	Percent
Y3WM4	3-Mar-08	N	TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y3WM4	3-Mar-08	N	TVOL	2-Butanone-d5	81	49 - 155	Percent
Y3WM4	3-Mar-08	N	TVOL	2-Hexanone-d5	81	28 - 135	Percent
Y3WM4	3-Mar-08	N	TVOL	Benzene-d6	107	77 - 124	Percent
Y3WM4	3-Mar-08	N	TVOL	Chloroethane-d5	72	71 - 131	Percent
Y3WM4	3-Mar-08	N	TVOL	Chloroform-d	100	78 - 121	Percent
Y3WM4	3-Mar-08	N	TVOL	Toluene-d8	102	77 - 121	Percent
Y3WM4	3-Mar-08	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y3WM4	3-Mar-08	N	TVOL	Vinyl chloride-d3	93	65 - 131	Percent
Y3WM5	3-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	107	73 - 125	Percent
Y3WM5	3-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	115	78 - 129	Percent
Y3WM5	3-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**210**	55 - 104	Percent
Y3WM5	3-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	101	80 - 131	Percent
Y3WM5	3-Mar-08	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y3WM5	3-Mar-08	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y3WM5	3-Mar-08	N	TVOL	2-Hexanone-d5	90	28 - 135	Percent
Y3WM5	3-Mar-08	N	TVOL	Benzene-d6	108	77 - 124	Percent
Y3WM5	3-Mar-08	N	TVOL	Chloroethane-d5	78	71 - 131	Percent
Y3WM5	3-Mar-08	N	TVOL	Chloroform-d	100	78 - 121	Percent
Y3WM5	3-Mar-08	N	TVOL	Toluene-d8	106	77 - 121	Percent
Y3WM5	3-Mar-08	N	TVOL	trans-1,3-Dichloropropene	86	73 - 121	Percent
Y3WM5	3-Mar-08	N	TVOL	Vinyl chloride-d3	92	65 - 131	Percent
Y3WM6	3-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	108	73 - 125	Percent
Y3WM6	3-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	115	78 - 129	Percent
Y3WM6	3-Mar-08	N	TVOL	1,1-Dichloroethene-d2	73	55 - 104	Percent
Y3WM6	3-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	105	80 - 131	Percent
Y3WM6	3-Mar-08	N	TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y3WM6	3-Mar-08	N	TVOL	2-Butanone-d5	84	49 - 155	Percent
Y3WM6	3-Mar-08	N	TVOL	2-Hexanone-d5	87	28 - 135	Percent
Y3WM6	3-Mar-08	N	TVOL	Benzene-d6	108	77 - 124	Percent
Y3WM6	3-Mar-08	N	TVOL	Chloroethane-d5	83	71 - 131	Percent
Y3WM6	3-Mar-08	N	TVOL	Chloroform-d	100	78 - 121	Percent
Y3WM6	3-Mar-08	N	TVOL	Toluene-d8	103	77 - 121	Percent
Y3WM6	3-Mar-08	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y3WM6	3-Mar-08	N	TVOL	Vinyl chloride-d3	94	65 - 131	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WM7	4-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	109	73 - 125	Percent
Y3WM7	4-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	120	78 - 129	Percent
Y3WM7	4-Mar-08	N	TVOL	1,1-Dichloroethene-d2	90	55 - 104	Percent
Y3WM7	4-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	107	80 - 131	Percent
Y3WM7	4-Mar-08	N	TVOL	1,2-Dichloropropane-d6	101	79 - 124	Percent
Y3WM7	4-Mar-08	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y3WM7	4-Mar-08	N	TVOL	2-Hexanone-d5	83	28 - 135	Percent
Y3WM7	4-Mar-08	N	TVOL	Benzene-d6	105	77 - 124	Percent
Y3WM7	4-Mar-08	N	TVOL	Chloroethane-d5	86	71 - 131	Percent
Y3WM7	4-Mar-08	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y3WM7	4-Mar-08	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y3WM7	4-Mar-08	N	TVOL	trans-1,3-Dichloropropene	76	73 - 121	Percent
Y3WM7	4-Mar-08	N	TVOL	Vinyl chloride-d3	96	65 - 131	Percent
Y3WM8	4-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	107	73 - 125	Percent
Y3WM8	4-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	121	78 - 129	Percent
Y3WM8	4-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**256**	55 - 104	Percent
Y3WM8	4-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	105	80 - 131	Percent
Y3WM8	4-Mar-08	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y3WM8	4-Mar-08	N	TVOL	2-Butanone-d5	80	49 - 155	Percent
Y3WM8	4-Mar-08	N	TVOL	2-Hexanone-d5	84	28 - 135	Percent
Y3WM8	4-Mar-08	N	TVOL	Benzene-d6	110	77 - 124	Percent
Y3WM8	4-Mar-08	N	TVOL	Chloroethane-d5	72	71 - 131	Percent
Y3WM8	4-Mar-08	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y3WM8	4-Mar-08	N	TVOL	Toluene-d8	105	77 - 121	Percent
Y3WM8	4-Mar-08	N	TVOL	trans-1,3-Dichloropropene	85	73 - 121	Percent
Y3WM8	4-Mar-08	N	TVOL	Vinyl chloride-d3	96	65 - 131	Percent
Y3WM9	4-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	109	73 - 125	Percent
Y3WM9	4-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	116	78 - 129	Percent
Y3WM9	4-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**1889**	55 - 104	Percent
Y3WM9	4-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	103	80 - 131	Percent
Y3WM9	4-Mar-08	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y3WM9	4-Mar-08	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y3WM9	4-Mar-08	N	TVOL	2-Hexanone-d5	91	28 - 135	Percent
Y3WM9	4-Mar-08	N	TVOL	Benzene-d6	107	77 - 124	Percent
Y3WM9	4-Mar-08	N	TVOL	Chloroethane-d5	74	71 - 131	Percent
Y3WM9	4-Mar-08	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y3WM9	4-Mar-08	N	TVOL	Toluene-d8	105	77 - 121	Percent
Y3WM9	4-Mar-08	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y3WM9	4-Mar-08	N	TVOL	Vinyl chloride-d3	88	65 - 131	Percent
Y3WN0	4-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	109	73 - 125	Percent
Y3WN0	4-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	119	78 - 129	Percent
Y3WN0	4-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**671**	55 - 104	Percent
Y3WN0	4-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	109	80 - 131	Percent
Y3WN0	4-Mar-08	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y3WN0	4-Mar-08	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y3WN0	4-Mar-08	N	TVOL	2-Hexanone-d5	89	28 - 135	Percent
Y3WN0	4-Mar-08	N	TVOL	Benzene-d6	105	77 - 124	Percent
Y3WN0	4-Mar-08	N	TVOL	Chloroethane-d5	92	71 - 131	Percent
Y3WN0	4-Mar-08	N	TVOL	Chloroform-d	105	78 - 121	Percent
Y3WN0	4-Mar-08	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y3WN0	4-Mar-08	N	TVOL	trans-1,3-Dichloropropene	83	73 - 121	Percent
Y3WN0	4-Mar-08	N	TVOL	Vinyl chloride-d3	100	65 - 131	Percent

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Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WN1	4-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	109	73 - 125	Percent
Y3WN1	4-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	119	78 - 129	Percent
Y3WN1	4-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**1131**	55 - 104	Percent
Y3WN1	4-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	105	80 - 131	Percent
Y3WN1	4-Mar-08	N	TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y3WN1	4-Mar-08	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y3WN1	4-Mar-08	N	TVOL	2-Hexanone-d5	91	28 - 135	Percent
Y3WN1	4-Mar-08	N	TVOL	Benzene-d6	109	77 - 124	Percent
Y3WN1	4-Mar-08	N	TVOL	Chloroethane-d5	**57**	71 - 131	Percent
Y3WN1	4-Mar-08	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y3WN1	4-Mar-08	N	TVOL	Toluene-d8	105	77 - 121	Percent
Y3WN1	4-Mar-08	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y3WN1	4-Mar-08	N	TVOL	Vinyl chloride-d3	94	65 - 131	Percent
Y3WN2	4-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	109	73 - 125	Percent
Y3WN2	4-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	118	78 - 129	Percent
Y3WN2	4-Mar-08	N	TVOL	1,1-Dichloroethene-d2	90	55 - 104	Percent
Y3WN2	4-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	108	80 - 131	Percent
Y3WN2	4-Mar-08	N	TVOL	1,2-Dichloropropane-d6	101	79 - 124	Percent
Y3WN2	4-Mar-08	N	TVOL	2-Butanone-d5	84	49 - 155	Percent
Y3WN2	4-Mar-08	N	TVOL	2-Hexanone-d5	81	28 - 135	Percent
Y3WN2	4-Mar-08	N	TVOL	Benzene-d6	106	77 - 124	Percent
Y3WN2	4-Mar-08	N	TVOL	Chloroethane-d5	81	71 - 131	Percent
Y3WN2	4-Mar-08	N	TVOL	Chloroform-d	103	78 - 121	Percent
Y3WN2	4-Mar-08	N	TVOL	Toluene-d8	103	77 - 121	Percent
Y3WN2	4-Mar-08	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y3WN2	4-Mar-08	N	TVOL	Vinyl chloride-d3	96	65 - 131	Percent
Y3WN3	5-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	112	73 - 125	Percent
Y3WN3	5-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	123	78 - 129	Percent
Y3WN3	5-Mar-08	N	TVOL	1,1-Dichloroethene-d2	101	55 - 104	Percent
Y3WN3	5-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	111	80 - 131	Percent
Y3WN3	5-Mar-08	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y3WN3	5-Mar-08	N	TVOL	2-Butanone-d5	75	49 - 155	Percent
Y3WN3	5-Mar-08	N	TVOL	2-Hexanone-d5	75	28 - 135	Percent
Y3WN3	5-Mar-08	N	TVOL	Benzene-d6	106	77 - 124	Percent
Y3WN3	5-Mar-08	N	TVOL	Chloroethane-d5	89	71 - 131	Percent
Y3WN3	5-Mar-08	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y3WN3	5-Mar-08	N	TVOL	Toluene-d8	105	77 - 121	Percent
Y3WN3	5-Mar-08	N	TVOL	trans-1,3-Dichloropropene	81	73 - 121	Percent
Y3WN3	5-Mar-08	N	TVOL	Vinyl chloride-d3	99	65 - 131	Percent
Y3WN4	5-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y3WN4	5-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	122	78 - 129	Percent
Y3WN4	5-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**264**	55 - 104	Percent
Y3WN4	5-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	108	80 - 131	Percent
Y3WN4	5-Mar-08	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y3WN4	5-Mar-08	N	TVOL	2-Butanone-d5	84	49 - 155	Percent
Y3WN4	5-Mar-08	N	TVOL	2-Hexanone-d5	87	28 - 135	Percent
Y3WN4	5-Mar-08	N	TVOL	Benzene-d6	106	77 - 124	Percent
Y3WN4	5-Mar-08	N	TVOL	Chloroethane-d5	79	71 - 131	Percent
Y3WN4	5-Mar-08	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y3WN4	5-Mar-08	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y3WN4	5-Mar-08	N	TVOL	trans-1,3-Dichloropropene	83	73 - 121	Percent
Y3WN4	5-Mar-08	N	TVOL	Vinyl chloride-d3	103	65 - 131	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WN5	5-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	100	73 - 125	Percent
Y3WN5	5-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	121	78 - 129	Percent
Y3WN5	5-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**213**	55 - 104	Percent
Y3WN5	5-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	108	80 - 131	Percent
Y3WN5	5-Mar-08	N	TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y3WN5	5-Mar-08	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y3WN5	5-Mar-08	N	TVOL	2-Hexanone-d5	89	28 - 135	Percent
Y3WN5	5-Mar-08	N	TVOL	Benzene-d6	108	77 - 124	Percent
Y3WN5	5-Mar-08	N	TVOL	Chloroethane-d5	83	71 - 131	Percent
Y3WN5	5-Mar-08	N	TVOL	Chloroform-d	103	78 - 121	Percent
Y3WN5	5-Mar-08	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y3WN5	5-Mar-08	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y3WN5	5-Mar-08	N	TVOL	Vinyl chloride-d3	101	65 - 131	Percent
Y3WN6	5-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y3WN6	5-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	109	78 - 129	Percent
Y3WN6	5-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**2000**	55 - 104	Percent
Y3WN6	5-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	105	80 - 131	Percent
Y3WN6	5-Mar-08	N	TVOL	1,2-Dichloropropane-d6	105	79 - 124	Percent
Y3WN6	5-Mar-08	N	TVOL	2-Butanone-d5	80	49 - 155	Percent
Y3WN6	5-Mar-08	N	TVOL	2-Hexanone-d5	88	28 - 135	Percent
Y3WN6	5-Mar-08	N	TVOL	Benzene-d6	107	77 - 124	Percent
Y3WN6	5-Mar-08	N	TVOL	Chloroethane-d5	86	71 - 131	Percent
Y3WN6	5-Mar-08	N	TVOL	Chloroform-d	98	78 - 121	Percent
Y3WN6	5-Mar-08	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y3WN6	5-Mar-08	N	TVOL	trans-1,3-Dichloropropene	90	73 - 121	Percent
Y3WN6	5-Mar-08	N	TVOL	Vinyl chloride-d3	91	65 - 131	Percent
Y3WN7	5-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	105	73 - 125	Percent
Y3WN7	5-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	123	78 - 129	Percent
Y3WN7	5-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**270**	55 - 104	Percent
Y3WN7	5-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	104	80 - 131	Percent
Y3WN7	5-Mar-08	N	TVOL	1,2-Dichloropropane-d6	104	79 - 124	Percent
Y3WN7	5-Mar-08	N	TVOL	2-Butanone-d5	77	49 - 155	Percent
Y3WN7	5-Mar-08	N	TVOL	2-Hexanone-d5	84	28 - 135	Percent
Y3WN7	5-Mar-08	N	TVOL	Benzene-d6	111	77 - 124	Percent
Y3WN7	5-Mar-08	N	TVOL	Chloroethane-d5	75	71 - 131	Percent
Y3WN7	5-Mar-08	N	TVOL	Chloroform-d	99	78 - 121	Percent
Y3WN7	5-Mar-08	N	TVOL	Toluene-d8	108	77 - 121	Percent
Y3WN7	5-Mar-08	N	TVOL	trans-1,3-Dichloropropene	88	73 - 121	Percent
Y3WN7	5-Mar-08	N	TVOL	Vinyl chloride-d3	87	65 - 131	Percent
Y3WN8	5-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	100	73 - 125	Percent
Y3WN8	5-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	109	78 - 129	Percent
Y3WN8	5-Mar-08	N	TVOL	1,1-Dichloroethene-d2	**1515**	55 - 104	Percent
Y3WN8	5-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	104	80 - 131	Percent
Y3WN8	5-Mar-08	N	TVOL	1,2-Dichloropropane-d6	104	79 - 124	Percent
Y3WN8	5-Mar-08	N	TVOL	2-Butanone-d5	86	49 - 155	Percent
Y3WN8	5-Mar-08	N	TVOL	2-Hexanone-d5	92	28 - 135	Percent
Y3WN8	5-Mar-08	N	TVOL	Benzene-d6	107	77 - 124	Percent
Y3WN8	5-Mar-08	N	TVOL	Chloroethane-d5	**65**	71 - 131	Percent
Y3WN8	5-Mar-08	N	TVOL	Chloroform-d	97	78 - 121	Percent
Y3WN8	5-Mar-08	N	TVOL	Toluene-d8	107	77 - 121	Percent
Y3WN8	5-Mar-08	N	TVOL	trans-1,3-Dichloropropene	92	73 - 121	Percent
Y3WN8	5-Mar-08	N	TVOL	Vinyl chloride-d3	96	65 - 131	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y3WN9	5-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y3WN9	5-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	124	78 - 129	Percent
Y3WN9	5-Mar-08	N	TVOL	1,1-Dichloroethene-d2	83	55 - 104	Percent
Y3WN9	5-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	104	80 - 131	Percent
Y3WN9	5-Mar-08	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y3WN9	5-Mar-08	N	TVOL	2-Butanone-d5	82	49 - 155	Percent
Y3WN9	5-Mar-08	N	TVOL	2-Hexanone-d5	85	28 - 135	Percent
Y3WN9	5-Mar-08	N	TVOL	Benzene-d6	108	77 - 124	Percent
Y3WN9	5-Mar-08	N	TVOL	Chloroethane-d5	76	71 - 131	Percent
Y3WN9	5-Mar-08	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y3WN9	5-Mar-08	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y3WN9	5-Mar-08	N	TVOL	trans-1,3-Dichloropropene	91	73 - 121	Percent
Y3WN9	5-Mar-08	N	TVOL	Vinyl chloride-d3	98	65 - 131	Percent
Y3WP0	5-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	108	73 - 125	Percent
Y3WP0	5-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	126	78 - 129	Percent
Y3WP0	5-Mar-08	N	TVOL	1,1-Dichloroethene-d2	91	55 - 104	Percent
Y3WP0	5-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y3WP0	5-Mar-08	N	TVOL	1,2-Dichloropropane-d6	97	79 - 124	Percent
Y3WP0	5-Mar-08	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y3WP0	5-Mar-08	N	TVOL	2-Hexanone-d5	88	28 - 135	Percent
Y3WP0	5-Mar-08	N	TVOL	Benzene-d6	105	77 - 124	Percent
Y3WP0	5-Mar-08	N	TVOL	Chloroethane-d5	87	71 - 131	Percent
Y3WP0	5-Mar-08	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y3WP0	5-Mar-08	N	TVOL	Toluene-d8	103	77 - 121	Percent
Y3WP0	5-Mar-08	N	TVOL	trans-1,3-Dichloropropene	87	73 - 121	Percent
Y3WP0	5-Mar-08	N	TVOL	Vinyl chloride-d3	92	65 - 131	Percent
Y3WP1	5-Mar-08	N	SIMVOL	1,1,2,2-Tetrachloroethane	111	73 - 125	Percent
Y3WP1	5-Mar-08	N	SIMVOL	1,2-Dichloroethane-d4	127	78 - 129	Percent
Y3WP1	5-Mar-08	N	TVOL	1,1-Dichloroethene-d2	99	55 - 104	Percent
Y3WP1	5-Mar-08	N	TVOL	1,2-Dichlorobenzene-d4	101	80 - 131	Percent
Y3WP1	5-Mar-08	N	TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y3WP1	5-Mar-08	N	TVOL	2-Butanone-d5	77	49 - 155	Percent
Y3WP1	5-Mar-08	N	TVOL	2-Hexanone-d5	82	28 - 135	Percent
Y3WP1	5-Mar-08	N	TVOL	Benzene-d6	111	77 - 124	Percent
Y3WP1	5-Mar-08	N	TVOL	Chloroethane-d5	85	71 - 131	Percent
Y3WP1	5-Mar-08	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y3WP1	5-Mar-08	N	TVOL	Toluene-d8	107	77 - 121	Percent
Y3WP1	5-Mar-08	N	TVOL	trans-1,3-Dichloropropene	74	73 - 121	Percent
Y3WP1	5-Mar-08	N	TVOL	Vinyl chloride-d3	101	65 - 131	Percent
Y4N51	2-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	95	73 - 125	Percent
Y4N51	2-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	98	78 - 129	Percent
Y4N51	2-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**106**	55 - 104	Percent
Y4N51	2-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	109	80 - 131	Percent
Y4N51	2-Mar-09	N	TVOL	1,2-Dichloropropane-d6	99	79 - 124	Percent
Y4N51	2-Mar-09	N	TVOL	2-Butanone-d5	93	49 - 155	Percent
Y4N51	2-Mar-09	N	TVOL	2-Hexanone-d5	103	28 - 135	Percent
Y4N51	2-Mar-09	N	TVOL	Benzene-d6	111	77 - 124	Percent
Y4N51	2-Mar-09	N	TVOL	Chloroethane-d5	**65**	71 - 131	Percent
Y4N51	2-Mar-09	N	TVOL	Chloroform-d	93	78 - 121	Percent
Y4N51	2-Mar-09	N	TVOL	Toluene-d8	105	77 - 121	Percent
Y4N51	2-Mar-09	N	TVOL	trans-1,3-Dichloropropene	104	73 - 121	Percent
Y4N51	2-Mar-09	N	TVOL	Vinyl chloride-d3	117	65 - 131	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N52	2-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	98	73 - 125	Percent
Y4N52	2-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	100	78 - 129	Percent
Y4N52	2-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**109**	55 - 104	Percent
Y4N52	2-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	116	80 - 131	Percent
Y4N52	2-Mar-09	N	TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y4N52	2-Mar-09	N	TVOL	2-Butanone-d5	84	49 - 155	Percent
Y4N52	2-Mar-09	N	TVOL	2-Hexanone-d5	102	28 - 135	Percent
Y4N52	2-Mar-09	N	TVOL	Benzene-d6	109	77 - 124	Percent
Y4N52	2-Mar-09	N	TVOL	Chloroethane-d5	90	71 - 131	Percent
Y4N52	2-Mar-09	N	TVOL	Chloroform-d	96	78 - 121	Percent
Y4N52	2-Mar-09	N	TVOL	Toluene-d8	101	77 - 121	Percent
Y4N52	2-Mar-09	N	TVOL	trans-1,3-Dichloropropene	97	73 - 121	Percent
Y4N52	2-Mar-09	N	TVOL	Vinyl chloride-d3	119	65 - 131	Percent
Y4N53	2-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	102	73 - 125	Percent
Y4N53	2-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	99	78 - 129	Percent
Y4N53	2-Mar-09	N	TVOL	1,1-Dichloroethene-d2	97	55 - 104	Percent
Y4N53	2-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	110	80 - 131	Percent
Y4N53	2-Mar-09	N	TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y4N53	2-Mar-09	N	TVOL	2-Butanone-d5	78	49 - 155	Percent
Y4N53	2-Mar-09	N	TVOL	2-Hexanone-d5	92	28 - 135	Percent
Y4N53	2-Mar-09	N	TVOL	Benzene-d6	109	77 - 124	Percent
Y4N53	2-Mar-09	N	TVOL	Chloroethane-d5	80	71 - 131	Percent
Y4N53	2-Mar-09	N	TVOL	Chloroform-d	84	78 - 121	Percent
Y4N53	2-Mar-09	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y4N53	2-Mar-09	N	TVOL	trans-1,3-Dichloropropene	93	73 - 121	Percent
Y4N53	2-Mar-09	N	TVOL	Vinyl chloride-d3	110	65 - 131	Percent
Y4N55	2-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	93	73 - 125	Percent
Y4N55	2-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	99	78 - 129	Percent
Y4N55	2-Mar-09	N	TVOL	1,1-Dichloroethene-d2	103	55 - 104	Percent
Y4N55	2-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	107	80 - 131	Percent
Y4N55	2-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4N55	2-Mar-09	N	TVOL	2-Butanone-d5	93	49 - 155	Percent
Y4N55	2-Mar-09	N	TVOL	2-Hexanone-d5	117	28 - 135	Percent
Y4N55	2-Mar-09	N	TVOL	Benzene-d6	111	77 - 124	Percent
Y4N55	2-Mar-09	N	TVOL	Chloroethane-d5	85	71 - 131	Percent
Y4N55	2-Mar-09	N	TVOL	Chloroform-d	90	78 - 121	Percent
Y4N55	2-Mar-09	N	TVOL	Toluene-d8	103	77 - 121	Percent
Y4N55	2-Mar-09	N	TVOL	trans-1,3-Dichloropropene	108	73 - 121	Percent
Y4N55	2-Mar-09	N	TVOL	Vinyl chloride-d3	111	65 - 131	Percent
Y4N56	3-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	96	73 - 125	Percent
Y4N56	3-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	100	78 - 129	Percent
Y4N56	3-Mar-09	N	TVOL	1,1-Dichloroethene-d2	98	55 - 104	Percent
Y4N56	3-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	110	80 - 131	Percent
Y4N56	3-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4N56	3-Mar-09	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y4N56	3-Mar-09	N	TVOL	2-Hexanone-d5	101	28 - 135	Percent
Y4N56	3-Mar-09	N	TVOL	Benzene-d6	110	77 - 124	Percent
Y4N56	3-Mar-09	N	TVOL	Chloroethane-d5	84	71 - 131	Percent
Y4N56	3-Mar-09	N	TVOL	Chloroform-d	87	78 - 121	Percent
Y4N56	3-Mar-09	N	TVOL	Toluene-d8	105	77 - 121	Percent
Y4N56	3-Mar-09	N	TVOL	trans-1,3-Dichloropropene	97	73 - 121	Percent
Y4N56	3-Mar-09	N	TVOL	Vinyl chloride-d3	111	65 - 131	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N57	3-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	96	73 - 125	Percent
Y4N57	3-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	99	78 - 129	Percent
Y4N57	3-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**116**	55 - 104	Percent
Y4N57	3-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	104	80 - 131	Percent
Y4N57	3-Mar-09	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y4N57	3-Mar-09	N	TVOL	2-Butanone-d5	74	49 - 155	Percent
Y4N57	3-Mar-09	N	TVOL	2-Hexanone-d5	71	28 - 135	Percent
Y4N57	3-Mar-09	N	TVOL	Benzene-d6	115	77 - 124	Percent
Y4N57	3-Mar-09	N	TVOL	Chloroethane-d5	103	71 - 131	Percent
Y4N57	3-Mar-09	N	TVOL	Chloroform-d	99	78 - 121	Percent
Y4N57	3-Mar-09	N	TVOL	Toluene-d8	107	77 - 121	Percent
Y4N57	3-Mar-09	N	TVOL	trans-1,3-Dichloropropene	87	73 - 121	Percent
Y4N57	3-Mar-09	N	TVOL	Vinyl chloride-d3	**140**	65 - 131	Percent
Y4N58	3-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	104	73 - 125	Percent
Y4N58	3-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	98	78 - 129	Percent
Y4N58	3-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**132**	55 - 104	Percent
Y4N58	3-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	120	80 - 131	Percent
Y4N58	3-Mar-09	N	TVOL	1,2-Dichloropropane-d6	115	79 - 124	Percent
Y4N58	3-Mar-09	N	TVOL	2-Butanone-d5	73	49 - 155	Percent
Y4N58	3-Mar-09	N	TVOL	2-Hexanone-d5	68	28 - 135	Percent
Y4N58	3-Mar-09	N	TVOL	Benzene-d6	**129**	77 - 124	Percent
Y4N58	3-Mar-09	N	TVOL	Chloroethane-d5	103	71 - 131	Percent
Y4N58	3-Mar-09	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y4N58	3-Mar-09	N	TVOL	Toluene-d8	113	77 - 121	Percent
Y4N58	3-Mar-09	N	TVOL	trans-1,3-Dichloropropene	85	73 - 121	Percent
Y4N58	3-Mar-09	N	TVOL	Vinyl chloride-d3	**145**	65 - 131	Percent
Y4N59	3-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	92	73 - 125	Percent
Y4N59	3-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	101	78 - 129	Percent
Y4N59	3-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**120**	55 - 104	Percent
Y4N59	3-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	110	80 - 131	Percent
Y4N59	3-Mar-09	N	TVOL	1,2-Dichloropropane-d6	110	79 - 124	Percent
Y4N59	3-Mar-09	N	TVOL	2-Butanone-d5	68	49 - 155	Percent
Y4N59	3-Mar-09	N	TVOL	2-Hexanone-d5	58	28 - 135	Percent
Y4N59	3-Mar-09	N	TVOL	Benzene-d6	123	77 - 124	Percent
Y4N59	3-Mar-09	N	TVOL	Chloroethane-d5	100	71 - 131	Percent
Y4N59	3-Mar-09	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y4N59	3-Mar-09	N	TVOL	Toluene-d8	112	77 - 121	Percent
Y4N59	3-Mar-09	N	TVOL	trans-1,3-Dichloropropene	87	73 - 121	Percent
Y4N59	3-Mar-09	N	TVOL	Vinyl chloride-d3	**138**	65 - 131	Percent
Y4N60	3-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y4N60	3-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	103	78 - 129	Percent
Y4N60	3-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**118**	55 - 104	Percent
Y4N60	3-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y4N60	3-Mar-09	N	TVOL	1,2-Dichloropropane-d6	109	79 - 124	Percent
Y4N60	3-Mar-09	N	TVOL	2-Butanone-d5	65	49 - 155	Percent
Y4N60	3-Mar-09	N	TVOL	2-Hexanone-d5	80	28 - 135	Percent
Y4N60	3-Mar-09	N	TVOL	Benzene-d6	123	77 - 124	Percent
Y4N60	3-Mar-09	N	TVOL	Chloroethane-d5	92	71 - 131	Percent
Y4N60	3-Mar-09	N	TVOL	Chloroform-d	94	78 - 121	Percent
Y4N60	3-Mar-09	N	TVOL	Toluene-d8	112	77 - 121	Percent
Y4N60	3-Mar-09	N	TVOL	trans-1,3-Dichloropropene	87	73 - 121	Percent
Y4N60	3-Mar-09	N	TVOL	Vinyl chloride-d3	**132**	65 - 131	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N61	3-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	96	73 - 125	Percent
Y4N61	3-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	106	78 - 129	Percent
Y4N61	3-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**112**	55 - 104	Percent
Y4N61	3-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	107	80 - 131	Percent
Y4N61	3-Mar-09	N	TVOL	1,2-Dichloropropane-d6	116	79 - 124	Percent
Y4N61	3-Mar-09	N	TVOL	2-Butanone-d5	72	49 - 155	Percent
Y4N61	3-Mar-09	N	TVOL	2-Hexanone-d5	72	28 - 135	Percent
Y4N61	3-Mar-09	N	TVOL	Benzene-d6	121	77 - 124	Percent
Y4N61	3-Mar-09	N	TVOL	Chloroethane-d5	101	71 - 131	Percent
Y4N61	3-Mar-09	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y4N61	3-Mar-09	N	TVOL	Toluene-d8	114	77 - 121	Percent
Y4N61	3-Mar-09	N	TVOL	trans-1,3-Dichloropropene	90	73 - 121	Percent
Y4N61	3-Mar-09	N	TVOL	Vinyl chloride-d3	**135**	65 - 131	Percent
Y4N62	3-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	105	73 - 125	Percent
Y4N62	3-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	108	78 - 129	Percent
Y4N62	3-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**127**	55 - 104	Percent
Y4N62	3-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	106	80 - 131	Percent
Y4N62	3-Mar-09	N	TVOL	1,2-Dichloropropane-d6	111	79 - 124	Percent
Y4N62	3-Mar-09	N	TVOL	2-Butanone-d5	73	49 - 155	Percent
Y4N62	3-Mar-09	N	TVOL	2-Hexanone-d5	68	28 - 135	Percent
Y4N62	3-Mar-09	N	TVOL	Benzene-d6	**129**	77 - 124	Percent
Y4N62	3-Mar-09	N	TVOL	Chloroethane-d5	97	71 - 131	Percent
Y4N62	3-Mar-09	N	TVOL	Chloroform-d	97	78 - 121	Percent
Y4N62	3-Mar-09	N	TVOL	Toluene-d8	116	77 - 121	Percent
Y4N62	3-Mar-09	N	TVOL	trans-1,3-Dichloropropene	94	73 - 121	Percent
Y4N62	3-Mar-09	N	TVOL	Vinyl chloride-d3	**134**	65 - 131	Percent
Y4N63	3-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**121**	55 - 104	Percent
Y4N63	3-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	111	80 - 131	Percent
Y4N63	3-Mar-09	N	TVOL	1,2-Dichloropropane-d6	106	79 - 124	Percent
Y4N63	3-Mar-09	N	TVOL	2-Butanone-d5	76	49 - 155	Percent
Y4N63	3-Mar-09	N	TVOL	2-Hexanone-d5	76	28 - 135	Percent
Y4N63	3-Mar-09	N	TVOL	Benzene-d6	122	77 - 124	Percent
Y4N63	3-Mar-09	N	TVOL	Chloroethane-d5	100	71 - 131	Percent
Y4N63	3-Mar-09	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y4N63	3-Mar-09	N	TVOL	Toluene-d8	114	77 - 121	Percent
Y4N63	3-Mar-09	N	TVOL	trans-1,3-Dichloropropene	89	73 - 121	Percent
Y4N63	3-Mar-09	N	TVOL	Vinyl chloride-d3	**144**	65 - 131	Percent
Y4N64	4-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	114	73 - 125	Percent
Y4N64	4-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	98	78 - 129	Percent
Y4N64	4-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**113**	55 - 104	Percent
Y4N64	4-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	112	80 - 131	Percent
Y4N64	4-Mar-09	N	TVOL	1,2-Dichloropropane-d6	**156**	79 - 124	Percent
Y4N64	4-Mar-09	N	TVOL	2-Butanone-d5	68	49 - 155	Percent
Y4N64	4-Mar-09	N	TVOL	2-Hexanone-d5	39	28 - 135	Percent
Y4N64	4-Mar-09	N	TVOL	Benzene-d6	**231**	77 - 124	Percent
Y4N64	4-Mar-09	N	TVOL	Chloroethane-d5	105	71 - 131	Percent
Y4N64	4-Mar-09	N	TVOL	Chloroform-d	**125**	78 - 121	Percent
Y4N64	4-Mar-09	N	TVOL	Toluene-d8	**195**	77 - 121	Percent
Y4N64	4-Mar-09	N	TVOL	trans-1,3-Dichloropropene	**153**	73 - 121	Percent
Y4N64	4-Mar-09	N	TVOL	Vinyl chloride-d3	**139**	65 - 131	Percent
Y4N65	4-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	113	73 - 125	Percent
Y4N65	4-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	101	78 - 129	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N65	4-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**117**	55 - 104	Percent
Y4N65	4-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	110	80 - 131	Percent
Y4N65	4-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4N65	4-Mar-09	N	TVOL	2-Butanone-d5	78	49 - 155	Percent
Y4N65	4-Mar-09	N	TVOL	2-Hexanone-d5	70	28 - 135	Percent
Y4N65	4-Mar-09	N	TVOL	Benzene-d6	**143**	77 - 124	Percent
Y4N65	4-Mar-09	N	TVOL	Chloroethane-d5	96	71 - 131	Percent
Y4N65	4-Mar-09	N	TVOL	Chloroform-d	105	78 - 121	Percent
Y4N65	4-Mar-09	N	TVOL	Toluene-d8	**123**	77 - 121	Percent
Y4N65	4-Mar-09	N	TVOL	trans-1,3-Dichloropropene	105	73 - 121	Percent
Y4N65	4-Mar-09	N	TVOL	Vinyl chloride-d3	**132**	65 - 131	Percent
Y4N66	4-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	107	73 - 125	Percent
Y4N66	4-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	102	78 - 129	Percent
Y4N66	4-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**124**	55 - 104	Percent
Y4N66	4-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	107	80 - 131	Percent
Y4N66	4-Mar-09	N	TVOL	1,2-Dichloropropane-d6	119	79 - 124	Percent
Y4N66	4-Mar-09	N	TVOL	2-Butanone-d5	68	49 - 155	Percent
Y4N66	4-Mar-09	N	TVOL	2-Hexanone-d5	67	28 - 135	Percent
Y4N66	4-Mar-09	N	TVOL	Benzene-d6	**131**	77 - 124	Percent
Y4N66	4-Mar-09	N	TVOL	Chloroethane-d5	101	71 - 131	Percent
Y4N66	4-Mar-09	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y4N66	4-Mar-09	N	TVOL	Toluene-d8	**126**	77 - 121	Percent
Y4N66	4-Mar-09	N	TVOL	trans-1,3-Dichloropropene	97	73 - 121	Percent
Y4N66	4-Mar-09	N	TVOL	Vinyl chloride-d3	131	65 - 131	Percent
Y4N67	4-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**117**	55 - 104	Percent
Y4N67	4-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	98	80 - 131	Percent
Y4N67	4-Mar-09	N	TVOL	1,2-Dichloropropane-d6	106	79 - 124	Percent
Y4N67	4-Mar-09	N	TVOL	2-Butanone-d5	66	49 - 155	Percent
Y4N67	4-Mar-09	N	TVOL	2-Hexanone-d5	74	28 - 135	Percent
Y4N67	4-Mar-09	N	TVOL	Benzene-d6	119	77 - 124	Percent
Y4N67	4-Mar-09	N	TVOL	Chloroethane-d5	97	71 - 131	Percent
Y4N67	4-Mar-09	N	TVOL	Chloroform-d	95	78 - 121	Percent
Y4N67	4-Mar-09	N	TVOL	Toluene-d8	115	77 - 121	Percent
Y4N67	4-Mar-09	N	TVOL	trans-1,3-Dichloropropene	84	73 - 121	Percent
Y4N67	4-Mar-09	N	TVOL	Vinyl chloride-d3	**133**	65 - 131	Percent
Y4N68	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	97	73 - 125	Percent
Y4N68	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	106	78 - 129	Percent
Y4N68	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**128**	55 - 104	Percent
Y4N68	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y4N68	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	111	79 - 124	Percent
Y4N68	5-Mar-09	N	TVOL	2-Butanone-d5	73	49 - 155	Percent
Y4N68	5-Mar-09	N	TVOL	2-Hexanone-d5	82	28 - 135	Percent
Y4N68	5-Mar-09	N	TVOL	Benzene-d6	121	77 - 124	Percent
Y4N68	5-Mar-09	N	TVOL	Chloroethane-d5	96	71 - 131	Percent
Y4N68	5-Mar-09	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y4N68	5-Mar-09	N	TVOL	Toluene-d8	116	77 - 121	Percent
Y4N68	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	91	73 - 121	Percent
Y4N68	5-Mar-09	N	TVOL	Vinyl chloride-d3	**132**	65 - 131	Percent
Y4N69	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y4N69	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	103	78 - 129	Percent
Y4N69	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**120**	55 - 104	Percent
Y4N69	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	113	80 - 131	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N69	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4N69	5-Mar-09	N	TVOL	2-Butanone-d5	72	49 - 155	Percent
Y4N69	5-Mar-09	N	TVOL	2-Hexanone-d5	78	28 - 135	Percent
Y4N69	5-Mar-09	N	TVOL	Benzene-d6	120	77 - 124	Percent
Y4N69	5-Mar-09	N	TVOL	Chloroethane-d5	102	71 - 131	Percent
Y4N69	5-Mar-09	N	TVOL	Chloroform-d	99	78 - 121	Percent
Y4N69	5-Mar-09	N	TVOL	Toluene-d8	114	77 - 121	Percent
Y4N69	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	83	73 - 121	Percent
Y4N69	5-Mar-09	N	TVOL	Vinyl chloride-d3	**139**	65 - 131	Percent
Y4N70	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	107	73 - 125	Percent
Y4N70	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	102	78 - 129	Percent
Y4N70	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	91	55 - 104	Percent
Y4N70	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	107	80 - 131	Percent
Y4N70	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y4N70	5-Mar-09	N	TVOL	2-Butanone-d5	68	49 - 155	Percent
Y4N70	5-Mar-09	N	TVOL	2-Hexanone-d5	64	28 - 135	Percent
Y4N70	5-Mar-09	N	TVOL	Benzene-d6	**135**	77 - 124	Percent
Y4N70	5-Mar-09	N	TVOL	Chloroethane-d5	101	71 - 131	Percent
Y4N70	5-Mar-09	N	TVOL	Chloroform-d	108	78 - 121	Percent
Y4N70	5-Mar-09	N	TVOL	Toluene-d8	**122**	77 - 121	Percent
Y4N70	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	99	73 - 121	Percent
Y4N70	5-Mar-09	N	TVOL	Vinyl chloride-d3	125	65 - 131	Percent
Y4N71	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	106	73 - 125	Percent
Y4N71	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	103	78 - 129	Percent
Y4N71	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	98	55 - 104	Percent
Y4N71	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	101	80 - 131	Percent
Y4N71	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y4N71	5-Mar-09	N	TVOL	2-Butanone-d5	75	49 - 155	Percent
Y4N71	5-Mar-09	N	TVOL	2-Hexanone-d5	72	28 - 135	Percent
Y4N71	5-Mar-09	N	TVOL	Benzene-d6	120	77 - 124	Percent
Y4N71	5-Mar-09	N	TVOL	Chloroethane-d5	92	71 - 131	Percent
Y4N71	5-Mar-09	N	TVOL	Chloroform-d	109	78 - 121	Percent
Y4N71	5-Mar-09	N	TVOL	Toluene-d8	116	77 - 121	Percent
Y4N71	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	107	73 - 121	Percent
Y4N71	5-Mar-09	N	TVOL	Vinyl chloride-d3	129	65 - 131	Percent
Y4N72	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	103	73 - 125	Percent
Y4N72	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	101	78 - 129	Percent
Y4N72	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	88	55 - 104	Percent
Y4N72	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	103	80 - 131	Percent
Y4N72	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	113	79 - 124	Percent
Y4N72	5-Mar-09	N	TVOL	2-Butanone-d5	81	49 - 155	Percent
Y4N72	5-Mar-09	N	TVOL	2-Hexanone-d5	70	28 - 135	Percent
Y4N72	5-Mar-09	N	TVOL	Benzene-d6	120	77 - 124	Percent
Y4N72	5-Mar-09	N	TVOL	Chloroethane-d5	99	71 - 131	Percent
Y4N72	5-Mar-09	N	TVOL	Chloroform-d	119	78 - 121	Percent
Y4N72	5-Mar-09	N	TVOL	Toluene-d8	117	77 - 121	Percent
Y4N72	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	108	73 - 121	Percent
Y4N72	5-Mar-09	N	TVOL	Vinyl chloride-d3	**139**	65 - 131	Percent
Y4N73	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	102	73 - 125	Percent
Y4N73	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	104	78 - 129	Percent
Y4N73	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**129**	55 - 104	Percent
Y4N73	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	113	80 - 131	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N73	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	105	79 - 124	Percent
Y4N73	5-Mar-09	N	TVOL	2-Butanone-d5	69	49 - 155	Percent
Y4N73	5-Mar-09	N	TVOL	2-Hexanone-d5	76	28 - 135	Percent
Y4N73	5-Mar-09	N	TVOL	Benzene-d6	124	77 - 124	Percent
Y4N73	5-Mar-09	N	TVOL	Chloroethane-d5	97	71 - 131	Percent
Y4N73	5-Mar-09	N	TVOL	Chloroform-d	98	78 - 121	Percent
Y4N73	5-Mar-09	N	TVOL	Toluene-d8	112	77 - 121	Percent
Y4N73	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	90	73 - 121	Percent
Y4N73	5-Mar-09	N	TVOL	Vinyl chloride-d3	**135**	65 - 131	Percent
Y4N74	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	100	73 - 125	Percent
Y4N74	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	108	78 - 129	Percent
Y4N74	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**125**	55 - 104	Percent
Y4N74	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	88	80 - 131	Percent
Y4N74	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y4N74	5-Mar-09	N	TVOL	2-Butanone-d5	119	49 - 155	Percent
Y4N74	5-Mar-09	N	TVOL	2-Hexanone-d5	103	28 - 135	Percent
Y4N74	5-Mar-09	N	TVOL	Benzene-d6	106	77 - 124	Percent
Y4N74	5-Mar-09	N	TVOL	Chloroethane-d5	88	71 - 131	Percent
Y4N74	5-Mar-09	N	TVOL	Chloroform-d	105	78 - 121	Percent
Y4N74	5-Mar-09	N	TVOL	Toluene-d8	98	77 - 121	Percent
Y4N74	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	112	73 - 121	Percent
Y4N74	5-Mar-09	N	TVOL	Vinyl chloride-d3	126	65 - 131	Percent
Y4N75	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	102	73 - 125	Percent
Y4N75	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	110	78 - 129	Percent
Y4N75	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**126**	55 - 104	Percent
Y4N75	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	82	80 - 131	Percent
Y4N75	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	106	79 - 124	Percent
Y4N75	5-Mar-09	N	TVOL	2-Butanone-d5	111	49 - 155	Percent
Y4N75	5-Mar-09	N	TVOL	2-Hexanone-d5	98	28 - 135	Percent
Y4N75	5-Mar-09	N	TVOL	Benzene-d6	104	77 - 124	Percent
Y4N75	5-Mar-09	N	TVOL	Chloroethane-d5	85	71 - 131	Percent
Y4N75	5-Mar-09	N	TVOL	Chloroform-d	101	78 - 121	Percent
Y4N75	5-Mar-09	N	TVOL	Toluene-d8	96	77 - 121	Percent
Y4N75	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	111	73 - 121	Percent
Y4N75	5-Mar-09	N	TVOL	Vinyl chloride-d3	121	65 - 131	Percent
Y4N76	5-Mar-09	N	TVOL	1,1,2,2-Tetrachloroethane	**57**	73 - 125	Percent
Y4N76	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**195**	55 - 104	Percent
Y4N76	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	117	80 - 131	Percent
Y4N76	5-Mar-09	N	TVOL	1,2-Dichloroethane-d4	99	78 - 129	Percent
Y4N76	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	**607**	79 - 124	Percent
Y4N76	5-Mar-09	N	TVOL	2-Butanone-d5	118	49 - 155	Percent
Y4N76	5-Mar-09	N	TVOL	2-Hexanone-d5	**469**	28 - 135	Percent
Y4N76	5-Mar-09	N	TVOL	Benzene-d6	**955**	77 - 124	Percent
Y4N76	5-Mar-09	N	TVOL	Chloroethane-d5	**144**	71 - 131	Percent
Y4N76	5-Mar-09	N	TVOL	Chloroform-d	**174**	78 - 121	Percent
Y4N76	5-Mar-09	N	TVOL	Toluene-d8	**1057**	77 - 121	Percent
Y4N76	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	**1234**	73 - 121	Percent
Y4N76	5-Mar-09	N	TVOL	Vinyl chloride-d3	**190**	65 - 131	Percent
Y4N77	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	99	73 - 125	Percent
Y4N77	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	106	78 - 129	Percent
Y4N77	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	67	55 - 104	Percent
Y4N77	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	98	80 - 131	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N77	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y4N77	5-Mar-09	N	TVOL	2-Butanone-d5	72	49 - 155	Percent
Y4N77	5-Mar-09	N	TVOL	2-Hexanone-d5	76	28 - 135	Percent
Y4N77	5-Mar-09	N	TVOL	Benzene-d6	119	77 - 124	Percent
Y4N77	5-Mar-09	N	TVOL	Chloroethane-d5	**64**	71 - 131	Percent
Y4N77	5-Mar-09	N	TVOL	Chloroform-d	82	78 - 121	Percent
Y4N77	5-Mar-09	N	TVOL	Toluene-d8	116	77 - 121	Percent
Y4N77	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	90	73 - 121	Percent
Y4N77	5-Mar-09	N	TVOL	Vinyl chloride-d3	83	65 - 131	Percent
Y4N78	5-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	104	73 - 125	Percent
Y4N78	5-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	108	78 - 129	Percent
Y4N78	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**128**	55 - 104	Percent
Y4N78	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	**78**	80 - 131	Percent
Y4N78	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y4N78	5-Mar-09	N	TVOL	2-Butanone-d5	109	49 - 155	Percent
Y4N78	5-Mar-09	N	TVOL	2-Hexanone-d5	97	28 - 135	Percent
Y4N78	5-Mar-09	N	TVOL	Benzene-d6	98	77 - 124	Percent
Y4N78	5-Mar-09	N	TVOL	Chloroethane-d5	**33**	71 - 131	Percent
Y4N78	5-Mar-09	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y4N78	5-Mar-09	N	TVOL	Toluene-d8	91	77 - 121	Percent
Y4N78	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	98	73 - 121	Percent
Y4N78	5-Mar-09	N	TVOL	Vinyl chloride-d3	119	65 - 131	Percent
Y4N79	5-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**129**	55 - 104	Percent
Y4N79	5-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	80	80 - 131	Percent
Y4N79	5-Mar-09	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y4N79	5-Mar-09	N	TVOL	2-Butanone-d5	112	49 - 155	Percent
Y4N79	5-Mar-09	N	TVOL	2-Hexanone-d5	99	28 - 135	Percent
Y4N79	5-Mar-09	N	TVOL	Benzene-d6	102	77 - 124	Percent
Y4N79	5-Mar-09	N	TVOL	Chloroethane-d5	84	71 - 131	Percent
Y4N79	5-Mar-09	N	TVOL	Chloroform-d	98	78 - 121	Percent
Y4N79	5-Mar-09	N	TVOL	Toluene-d8	96	77 - 121	Percent
Y4N79	5-Mar-09	N	TVOL	trans-1,3-Dichloropropene	107	73 - 121	Percent
Y4N79	5-Mar-09	N	TVOL	Vinyl chloride-d3	118	65 - 131	Percent
Y4N80	6-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	103	73 - 125	Percent
Y4N80	6-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	113	78 - 129	Percent
Y4N80	6-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**127**	55 - 104	Percent
Y4N80	6-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	83	80 - 131	Percent
Y4N80	6-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4N80	6-Mar-09	N	TVOL	2-Butanone-d5	107	49 - 155	Percent
Y4N80	6-Mar-09	N	TVOL	2-Hexanone-d5	93	28 - 135	Percent
Y4N80	6-Mar-09	N	TVOL	Benzene-d6	102	77 - 124	Percent
Y4N80	6-Mar-09	N	TVOL	Chloroethane-d5	84	71 - 131	Percent
Y4N80	6-Mar-09	N	TVOL	Chloroform-d	100	78 - 121	Percent
Y4N80	6-Mar-09	N	TVOL	Toluene-d8	95	77 - 121	Percent
Y4N80	6-Mar-09	N	TVOL	trans-1,3-Dichloropropene	98	73 - 121	Percent
Y4N80	6-Mar-09	N	TVOL	Vinyl chloride-d3	120	65 - 131	Percent
Y4N81	6-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	121	73 - 125	Percent
Y4N81	6-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	109	78 - 129	Percent
Y4N81	6-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**111**	55 - 104	Percent
Y4N81	6-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	99	80 - 131	Percent
Y4N81	6-Mar-09	N	TVOL	1,2-Dichloropropane-d6	**236**	79 - 124	Percent
Y4N81	6-Mar-09	N	TVOL	2-Butanone-d5	73	49 - 155	Percent

TABLE G-5
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N81	6-Mar-09	N	TVOL	2-Hexanone-d5	48	28 - 135	Percent
Y4N81	6-Mar-09	N	TVOL	Benzene-d6	**268**	77 - 124	Percent
Y4N81	6-Mar-09	N	TVOL	Chloroethane-d5	93	71 - 131	Percent
Y4N81	6-Mar-09	N	TVOL	Chloroform-d	89	78 - 121	Percent
Y4N81	6-Mar-09	N	TVOL	Toluene-d8	**257**	77 - 121	Percent
Y4N81	6-Mar-09	N	TVOL	trans-1,3-Dichloropropene	**228**	73 - 121	Percent
Y4N81	6-Mar-09	N	TVOL	Vinyl chloride-d3	130	65 - 131	Percent
Y4N82	6-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	89	73 - 125	Percent
Y4N82	6-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	92	78 - 129	Percent
Y4N82	6-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**124**	55 - 104	Percent
Y4N82	6-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	**78**	80 - 131	Percent
Y4N82	6-Mar-09	N	TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y4N82	6-Mar-09	N	TVOL	2-Butanone-d5	107	49 - 155	Percent
Y4N82	6-Mar-09	N	TVOL	2-Hexanone-d5	95	28 - 135	Percent
Y4N82	6-Mar-09	N	TVOL	Benzene-d6	99	77 - 124	Percent
Y4N82	6-Mar-09	N	TVOL	Chloroethane-d5	84	71 - 131	Percent
Y4N82	6-Mar-09	N	TVOL	Chloroform-d	97	78 - 121	Percent
Y4N82	6-Mar-09	N	TVOL	Toluene-d8	95	77 - 121	Percent
Y4N82	6-Mar-09	N	TVOL	trans-1,3-Dichloropropene	104	73 - 121	Percent
Y4N82	6-Mar-09	N	TVOL	Vinyl chloride-d3	119	65 - 131	Percent
Y4N83	6-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	90	73 - 125	Percent
Y4N83	6-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	95	78 - 129	Percent
Y4N83	6-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**108**	55 - 104	Percent
Y4N83	6-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	96	80 - 131	Percent
Y4N83	6-Mar-09	N	TVOL	1,2-Dichloropropane-d6	92	79 - 124	Percent
Y4N83	6-Mar-09	N	TVOL	2-Butanone-d5	82	49 - 155	Percent
Y4N83	6-Mar-09	N	TVOL	2-Hexanone-d5	87	28 - 135	Percent
Y4N83	6-Mar-09	N	TVOL	Benzene-d6	110	77 - 124	Percent
Y4N83	6-Mar-09	N	TVOL	Chloroethane-d5	98	71 - 131	Percent
Y4N83	6-Mar-09	N	TVOL	Chloroform-d	99	78 - 121	Percent
Y4N83	6-Mar-09	N	TVOL	Toluene-d8	104	77 - 121	Percent
Y4N83	6-Mar-09	N	TVOL	trans-1,3-Dichloropropene	97	73 - 121	Percent
Y4N83	6-Mar-09	N	TVOL	Vinyl chloride-d3	**137**	65 - 131	Percent
Y4N84	6-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**133**	55 - 104	Percent
Y4N84	6-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	81	80 - 131	Percent
Y4N84	6-Mar-09	N	TVOL	1,2-Dichloropropane-d6	106	79 - 124	Percent
Y4N84	6-Mar-09	N	TVOL	2-Butanone-d5	111	49 - 155	Percent
Y4N84	6-Mar-09	N	TVOL	2-Hexanone-d5	101	28 - 135	Percent
Y4N84	6-Mar-09	N	TVOL	Benzene-d6	103	77 - 124	Percent
Y4N84	6-Mar-09	N	TVOL	Chloroethane-d5	89	71 - 131	Percent
Y4N84	6-Mar-09	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y4N84	6-Mar-09	N	TVOL	Toluene-d8	95	77 - 121	Percent
Y4N84	6-Mar-09	N	TVOL	trans-1,3-Dichloropropene	102	73 - 121	Percent
Y4N84	6-Mar-09	N	TVOL	Vinyl chloride-d3	127	65 - 131	Percent
Y4N85	9-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	92	73 - 125	Percent
Y4N85	9-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	94	78 - 129	Percent
Y4N85	9-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**136**	55 - 104	Percent
Y4N85	9-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	83	80 - 131	Percent
Y4N85	9-Mar-09	N	TVOL	1,2-Dichloropropane-d6	109	79 - 124	Percent
Y4N85	9-Mar-09	N	TVOL	2-Butanone-d5	90	49 - 155	Percent
Y4N85	9-Mar-09	N	TVOL	2-Hexanone-d5	81	28 - 135	Percent
Y4N85	9-Mar-09	N	TVOL	Benzene-d6	106	77 - 124	Percent

TABLE G-5
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N85	9-Mar-09	N	TVOL	Chloroethane-d5	82	71 - 131	Percent
Y4N85	9-Mar-09	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y4N85	9-Mar-09	N	TVOL	Toluene-d8	101	77 - 121	Percent
Y4N85	9-Mar-09	N	TVOL	trans-1,3-Dichloropropene	109	73 - 121	Percent
Y4N85	9-Mar-09	N	TVOL	Vinyl chloride-d3	113	65 - 131	Percent
Y4N86	9-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	91	73 - 125	Percent
Y4N86	9-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	99	78 - 129	Percent
Y4N86	9-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**139**	55 - 104	Percent
Y4N86	9-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	89	80 - 131	Percent
Y4N86	9-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4N86	9-Mar-09	N	TVOL	2-Butanone-d5	90	49 - 155	Percent
Y4N86	9-Mar-09	N	TVOL	2-Hexanone-d5	72	28 - 135	Percent
Y4N86	9-Mar-09	N	TVOL	Benzene-d6	105	77 - 124	Percent
Y4N86	9-Mar-09	N	TVOL	Chloroethane-d5	85	71 - 131	Percent
Y4N86	9-Mar-09	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y4N86	9-Mar-09	N	TVOL	Toluene-d8	99	77 - 121	Percent
Y4N86	9-Mar-09	N	TVOL	trans-1,3-Dichloropropene	105	73 - 121	Percent
Y4N86	9-Mar-09	N	TVOL	Vinyl chloride-d3	112	65 - 131	Percent
Y4N87	9-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	93	73 - 125	Percent
Y4N87	9-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	96	78 - 129	Percent
Y4N87	9-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**140**	55 - 104	Percent
Y4N87	9-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	85	80 - 131	Percent
Y4N87	9-Mar-09	N	TVOL	1,2-Dichloropropane-d6	107	79 - 124	Percent
Y4N87	9-Mar-09	N	TVOL	2-Butanone-d5	89	49 - 155	Percent
Y4N87	9-Mar-09	N	TVOL	2-Hexanone-d5	83	28 - 135	Percent
Y4N87	9-Mar-09	N	TVOL	Benzene-d6	106	77 - 124	Percent
Y4N87	9-Mar-09	N	TVOL	Chloroethane-d5	83	71 - 131	Percent
Y4N87	9-Mar-09	N	TVOL	Chloroform-d	103	78 - 121	Percent
Y4N87	9-Mar-09	N	TVOL	Toluene-d8	99	77 - 121	Percent
Y4N87	9-Mar-09	N	TVOL	trans-1,3-Dichloropropene	100	73 - 121	Percent
Y4N87	9-Mar-09	N	TVOL	Vinyl chloride-d3	117	65 - 131	Percent
Y4N88	9-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	91	73 - 125	Percent
Y4N88	9-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	97	78 - 129	Percent
Y4N88	9-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**139**	55 - 104	Percent
Y4N88	9-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	80	80 - 131	Percent
Y4N88	9-Mar-09	N	TVOL	1,2-Dichloropropane-d6	104	79 - 124	Percent
Y4N88	9-Mar-09	N	TVOL	2-Butanone-d5	87	49 - 155	Percent
Y4N88	9-Mar-09	N	TVOL	2-Hexanone-d5	76	28 - 135	Percent
Y4N88	9-Mar-09	N	TVOL	Benzene-d6	107	77 - 124	Percent
Y4N88	9-Mar-09	N	TVOL	Chloroethane-d5	85	71 - 131	Percent
Y4N88	9-Mar-09	N	TVOL	Chloroform-d	103	78 - 121	Percent
Y4N88	9-Mar-09	N	TVOL	Toluene-d8	99	77 - 121	Percent
Y4N88	9-Mar-09	N	TVOL	trans-1,3-Dichloropropene	102	73 - 121	Percent
Y4N88	9-Mar-09	N	TVOL	Vinyl chloride-d3	116	65 - 131	Percent
Y4N89	9-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	92	73 - 125	Percent
Y4N89	9-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	100	78 - 129	Percent
Y4N89	9-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**137**	55 - 104	Percent
Y4N89	9-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	**79**	80 - 131	Percent
Y4N89	9-Mar-09	N	TVOL	1,2-Dichloropropane-d6	104	79 - 124	Percent
Y4N89	9-Mar-09	N	TVOL	2-Butanone-d5	103	49 - 155	Percent
Y4N89	9-Mar-09	N	TVOL	2-Hexanone-d5	86	28 - 135	Percent
Y4N89	9-Mar-09	N	TVOL	Benzene-d6	100	77 - 124	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4N89	9-Mar-09	N	TVOL	Chloroethane-d5	95	71 - 131	Percent
Y4N89	9-Mar-09	N	TVOL	Chloroform-d	104	78 - 121	Percent
Y4N89	9-Mar-09	N	TVOL	Toluene-d8	95	77 - 121	Percent
Y4N89	9-Mar-09	N	TVOL	trans-1,3-Dichloropropene	99	73 - 121	Percent
Y4N89	9-Mar-09	N	TVOL	Vinyl chloride-d3	**132**	65 - 131	Percent
Y4N90	9-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	92	73 - 125	Percent
Y4N90	9-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	96	78 - 129	Percent
Y4N90	9-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**137**	55 - 104	Percent
Y4N90	9-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	**75**	80 - 131	Percent
Y4N90	9-Mar-09	N	TVOL	1,2-Dichloropropane-d6	104	79 - 124	Percent
Y4N90	9-Mar-09	N	TVOL	2-Butanone-d5	103	49 - 155	Percent
Y4N90	9-Mar-09	N	TVOL	2-Hexanone-d5	85	28 - 135	Percent
Y4N90	9-Mar-09	N	TVOL	Benzene-d6	105	77 - 124	Percent
Y4N90	9-Mar-09	N	TVOL	Chloroethane-d5	94	71 - 131	Percent
Y4N90	9-Mar-09	N	TVOL	Chloroform-d	98	78 - 121	Percent
Y4N90	9-Mar-09	N	TVOL	Toluene-d8	98	77 - 121	Percent
Y4N90	9-Mar-09	N	TVOL	trans-1,3-Dichloropropene	106	73 - 121	Percent
Y4N90	9-Mar-09	N	TVOL	Vinyl chloride-d3	130	65 - 131	Percent
Y4N91	9-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	92	73 - 125	Percent
Y4N91	9-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	97	78 - 129	Percent
Y4N91	9-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**135**	55 - 104	Percent
Y4N91	9-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	**75**	80 - 131	Percent
Y4N91	9-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4N91	9-Mar-09	N	TVOL	2-Butanone-d5	98	49 - 155	Percent
Y4N91	9-Mar-09	N	TVOL	2-Hexanone-d5	89	28 - 135	Percent
Y4N91	9-Mar-09	N	TVOL	Benzene-d6	102	77 - 124	Percent
Y4N91	9-Mar-09	N	TVOL	Chloroethane-d5	93	71 - 131	Percent
Y4N91	9-Mar-09	N	TVOL	Chloroform-d	102	78 - 121	Percent
Y4N91	9-Mar-09	N	TVOL	Toluene-d8	98	77 - 121	Percent
Y4N91	9-Mar-09	N	TVOL	trans-1,3-Dichloropropene	99	73 - 121	Percent
Y4N91	9-Mar-09	N	TVOL	Vinyl chloride-d3	129	65 - 131	Percent
Y4NB2	13-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	81	73 - 125	Percent
Y4NB2	13-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	79	78 - 129	Percent
Y4NB2	13-Mar-09	N	TVOL	1,1-Dichloroethene-d2	64	55 - 104	Percent
Y4NB2	13-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	90	80 - 131	Percent
Y4NB2	13-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4NB2	13-Mar-09	N	TVOL	2-Butanone-d5	82	49 - 155	Percent
Y4NB2	13-Mar-09	N	TVOL	2-Hexanone-d5	79	28 - 135	Percent
Y4NB2	13-Mar-09	N	TVOL	Benzene-d6	101	77 - 124	Percent
Y4NB2	13-Mar-09	N	TVOL	Chloroethane-d5	**64**	71 - 131	Percent
Y4NB2	13-Mar-09	N	TVOL	Chloroform-d	98	78 - 121	Percent
Y4NB2	13-Mar-09	N	TVOL	Toluene-d8	100	77 - 121	Percent
Y4NB2	13-Mar-09	N	TVOL	trans-1,3-Dichloropropene	105	73 - 121	Percent
Y4NB2	13-Mar-09	N	TVOL	Vinyl chloride-d3	74	65 - 131	Percent
Y4NB3	13-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	92	73 - 125	Percent
Y4NB3	13-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	91	78 - 129	Percent
Y4NB3	13-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**131**	55 - 104	Percent
Y4NB3	13-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	98	80 - 131	Percent
Y4NB3	13-Mar-09	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y4NB3	13-Mar-09	N	TVOL	2-Butanone-d5	80	49 - 155	Percent
Y4NB3	13-Mar-09	N	TVOL	2-Hexanone-d5	82	28 - 135	Percent
Y4NB3	13-Mar-09	N	TVOL	Benzene-d6	101	77 - 124	Percent

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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4NB3	13-Mar-09	N	TVOL	Chloroethane-d5	**18**	71 - 131	Percent
Y4NB3	13-Mar-09	N	TVOL	Chloroform-d	100	78 - 121	Percent
Y4NB3	13-Mar-09	N	TVOL	Toluene-d8	98	77 - 121	Percent
Y4NB3	13-Mar-09	N	TVOL	trans-1,3-Dichloropropene	112	73 - 121	Percent
Y4NB3	13-Mar-09	N	TVOL	Vinyl chloride-d3	73	65 - 131	Percent
Y4NB4	13-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	95	73 - 125	Percent
Y4NB4	13-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	95	78 - 129	Percent
Y4NB4	13-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**129**	55 - 104	Percent
Y4NB4	13-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	86	80 - 131	Percent
Y4NB4	13-Mar-09	N	TVOL	1,2-Dichloropropane-d6	106	79 - 124	Percent
Y4NB4	13-Mar-09	N	TVOL	2-Butanone-d5	86	49 - 155	Percent
Y4NB4	13-Mar-09	N	TVOL	2-Hexanone-d5	81	28 - 135	Percent
Y4NB4	13-Mar-09	N	TVOL	Benzene-d6	100	77 - 124	Percent
Y4NB4	13-Mar-09	N	TVOL	Chloroethane-d5	**68**	71 - 131	Percent
Y4NB4	13-Mar-09	N	TVOL	Chloroform-d	103	78 - 121	Percent
Y4NB4	13-Mar-09	N	TVOL	Toluene-d8	103	77 - 121	Percent
Y4NB4	13-Mar-09	N	TVOL	trans-1,3-Dichloropropene	110	73 - 121	Percent
Y4NB4	13-Mar-09	N	TVOL	Vinyl chloride-d3	75	65 - 131	Percent
Y4NB5	13-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	97	73 - 125	Percent
Y4NB5	13-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	87	78 - 129	Percent
Y4NB5	13-Mar-09	N	TVOL	1,1-Dichloroethene-d2	77	55 - 104	Percent
Y4NB5	13-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	90	80 - 131	Percent
Y4NB5	13-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4NB5	13-Mar-09	N	TVOL	2-Butanone-d5	100	49 - 155	Percent
Y4NB5	13-Mar-09	N	TVOL	2-Hexanone-d5	81	28 - 135	Percent
Y4NB5	13-Mar-09	N	TVOL	Benzene-d6	105	77 - 124	Percent
Y4NB5	13-Mar-09	N	TVOL	Chloroethane-d5	91	71 - 131	Percent
Y4NB5	13-Mar-09	N	TVOL	Chloroform-d	113	78 - 121	Percent
Y4NB5	13-Mar-09	N	TVOL	Toluene-d8	102	77 - 121	Percent
Y4NB5	13-Mar-09	N	TVOL	trans-1,3-Dichloropropene	**126**	73 - 121	Percent
Y4NB5	13-Mar-09	N	TVOL	Vinyl chloride-d3	74	65 - 131	Percent
Y4NB6	13-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	110	73 - 125	Percent
Y4NB6	13-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	110	78 - 129	Percent
Y4NB6	13-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**197**	55 - 104	Percent
Y4NB6	13-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	89	80 - 131	Percent
Y4NB6	13-Mar-09	N	TVOL	1,2-Dichloropropane-d6	105	79 - 124	Percent
Y4NB6	13-Mar-09	N	TVOL	2-Butanone-d5	85	49 - 155	Percent
Y4NB6	13-Mar-09	N	TVOL	2-Hexanone-d5	87	28 - 135	Percent
Y4NB6	13-Mar-09	N	TVOL	Benzene-d6	101	77 - 124	Percent
Y4NB6	13-Mar-09	N	TVOL	Chloroethane-d5	76	71 - 131	Percent
Y4NB6	13-Mar-09	N	TVOL	Chloroform-d	99	78 - 121	Percent
Y4NB6	13-Mar-09	N	TVOL	Toluene-d8	98	77 - 121	Percent
Y4NB6	13-Mar-09	N	TVOL	trans-1,3-Dichloropropene	104	73 - 121	Percent
Y4NB6	13-Mar-09	N	TVOL	Vinyl chloride-d3	78	65 - 131	Percent
Y4NB7	13-Mar-09	N	TVOL	1,1-Dichloroethene-d2	66	55 - 104	Percent
Y4NB7	13-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	101	80 - 131	Percent
Y4NB7	13-Mar-09	N	TVOL	1,2-Dichloropropane-d6	101	79 - 124	Percent
Y4NB7	13-Mar-09	N	TVOL	2-Butanone-d5	88	49 - 155	Percent
Y4NB7	13-Mar-09	N	TVOL	2-Hexanone-d5	92	28 - 135	Percent
Y4NB7	13-Mar-09	N	TVOL	Benzene-d6	99	77 - 124	Percent
Y4NB7	13-Mar-09	N	TVOL	Chloroethane-d5	89	71 - 131	Percent
Y4NB7	13-Mar-09	N	TVOL	Chloroform-d	103	78 - 121	Percent

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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4NB7	13-Mar-09	N	TVOL	Toluene-d8	91	77 - 121	Percent
Y4NB7	13-Mar-09	N	TVOL	trans-1,3-Dichloropropene	106	73 - 121	Percent
Y4NB7	13-Mar-09	N	TVOL	Vinyl chloride-d3	79	65 - 131	Percent
Y4NB8	13-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	110	73 - 125	Percent
Y4NB8	13-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	110	78 - 129	Percent
Y4NB8	13-Mar-09	N	TVOL	1,1-Dichloroethene-d2	66	55 - 104	Percent
Y4NB8	13-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	83	80 - 131	Percent
Y4NB8	13-Mar-09	N	TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y4NB8	13-Mar-09	N	TVOL	2-Butanone-d5	91	49 - 155	Percent
Y4NB8	13-Mar-09	N	TVOL	2-Hexanone-d5	103	28 - 135	Percent
Y4NB8	13-Mar-09	N	TVOL	Benzene-d6	99	77 - 124	Percent
Y4NB8	13-Mar-09	N	TVOL	Chloroethane-d5	88	71 - 131	Percent
Y4NB8	13-Mar-09	N	TVOL	Chloroform-d	103	78 - 121	Percent
Y4NB8	13-Mar-09	N	TVOL	Toluene-d8	99	77 - 121	Percent
Y4NB8	13-Mar-09	N	TVOL	trans-1,3-Dichloropropene	117	73 - 121	Percent
Y4NB8	13-Mar-09	N	TVOL	Vinyl chloride-d3	77	65 - 131	Percent
Y4NB9	16-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	107	73 - 125	Percent
Y4NB9	16-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	108	78 - 129	Percent
Y4NB9	16-Mar-09	N	TVOL	1,1-Dichloroethene-d2	65	55 - 104	Percent
Y4NB9	16-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	98	80 - 131	Percent
Y4NB9	16-Mar-09	N	TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4NB9	16-Mar-09	N	TVOL	2-Butanone-d5	96	49 - 155	Percent
Y4NB9	16-Mar-09	N	TVOL	2-Hexanone-d5	85	28 - 135	Percent
Y4NB9	16-Mar-09	N	TVOL	Benzene-d6	102	77 - 124	Percent
Y4NB9	16-Mar-09	N	TVOL	Chloroethane-d5	77	71 - 131	Percent
Y4NB9	16-Mar-09	N	TVOL	Chloroform-d	106	78 - 121	Percent
Y4NB9	16-Mar-09	N	TVOL	Toluene-d8	98	77 - 121	Percent
Y4NB9	16-Mar-09	N	TVOL	trans-1,3-Dichloropropene	114	73 - 121	Percent
Y4NB9	16-Mar-09	N	TVOL	Vinyl chloride-d3	79	65 - 131	Percent
Y4NC0	16-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	120	73 - 125	Percent
Y4NC0	16-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	119	78 - 129	Percent
Y4NC0	16-Mar-09	N	TVOL	1,1-Dichloroethene-d2	67	55 - 104	Percent
Y4NC0	16-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	83	80 - 131	Percent
Y4NC0	16-Mar-09	N	TVOL	1,2-Dichloropropane-d6	107	79 - 124	Percent
Y4NC0	16-Mar-09	N	TVOL	2-Butanone-d5	93	49 - 155	Percent
Y4NC0	16-Mar-09	N	TVOL	2-Hexanone-d5	79	28 - 135	Percent
Y4NC0	16-Mar-09	N	TVOL	Benzene-d6	104	77 - 124	Percent
Y4NC0	16-Mar-09	N	TVOL	Chloroethane-d5	78	71 - 131	Percent
Y4NC0	16-Mar-09	N	TVOL	Chloroform-d	105	78 - 121	Percent
Y4NC0	16-Mar-09	N	TVOL	Toluene-d8	100	77 - 121	Percent
Y4NC0	16-Mar-09	N	TVOL	trans-1,3-Dichloropropene	120	73 - 121	Percent
Y4NC0	16-Mar-09	N	TVOL	Vinyl chloride-d3	81	65 - 131	Percent
Y4NC1	16-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	114	73 - 125	Percent
Y4NC1	16-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	115	78 - 129	Percent
Y4NC1	16-Mar-09	N	TVOL	1,1-Dichloroethene-d2	75	55 - 104	Percent
Y4NC1	16-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	91	80 - 131	Percent
Y4NC1	16-Mar-09	N	TVOL	1,2-Dichloropropane-d6	108	79 - 124	Percent
Y4NC1	16-Mar-09	N	TVOL	2-Butanone-d5	91	49 - 155	Percent
Y4NC1	16-Mar-09	N	TVOL	2-Hexanone-d5	108	28 - 135	Percent
Y4NC1	16-Mar-09	N	TVOL	Benzene-d6	102	77 - 124	Percent
Y4NC1	16-Mar-09	N	TVOL	Chloroethane-d5	92	71 - 131	Percent
Y4NC1	16-Mar-09	N	TVOL	Chloroform-d	102	78 - 121	Percent

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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4NC1	16-Mar-09	N	TVOL	Toluene-d8	97	77 - 121	Percent
Y4NC1	16-Mar-09	N	TVOL	trans-1,3-Dichloropropene	119	73 - 121	Percent
Y4NC1	16-Mar-09	N	TVOL	Vinyl chloride-d3	76	65 - 131	Percent
Y4NC2	16-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	108	73 - 125	Percent
Y4NC2	16-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	109	78 - 129	Percent
Y4NC2	16-Mar-09	N	TVOL	1,1-Dichloroethene-d2	77	55 - 104	Percent
Y4NC2	16-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	87	80 - 131	Percent
Y4NC2	16-Mar-09	N	TVOL	1,2-Dichloropropane-d6	109	79 - 124	Percent
Y4NC2	16-Mar-09	N	TVOL	2-Butanone-d5	94	49 - 155	Percent
Y4NC2	16-Mar-09	N	TVOL	2-Hexanone-d5	89	28 - 135	Percent
Y4NC2	16-Mar-09	N	TVOL	Benzene-d6	102	77 - 124	Percent
Y4NC2	16-Mar-09	N	TVOL	Chloroethane-d5	93	71 - 131	Percent
Y4NC2	16-Mar-09	N	TVOL	Chloroform-d	104	78 - 121	Percent
Y4NC2	16-Mar-09	N	TVOL	Toluene-d8	99	77 - 121	Percent
Y4NC2	16-Mar-09	N	TVOL	trans-1,3-Dichloropropene	119	73 - 121	Percent
Y4NC2	16-Mar-09	N	TVOL	Vinyl chloride-d3	78	65 - 131	Percent
Y4NC3	16-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	123	73 - 125	Percent
Y4NC3	16-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	129	78 - 129	Percent
Y4NC3	16-Mar-09	N	TVOL	1,1-Dichloroethene-d2	66	55 - 104	Percent
Y4NC3	16-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	105	80 - 131	Percent
Y4NC3	16-Mar-09	N	TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y4NC3	16-Mar-09	N	TVOL	2-Butanone-d5	75	49 - 155	Percent
Y4NC3	16-Mar-09	N	TVOL	2-Hexanone-d5	86	28 - 135	Percent
Y4NC3	16-Mar-09	N	TVOL	Benzene-d6	97	77 - 124	Percent
Y4NC3	16-Mar-09	N	TVOL	Chloroethane-d5	90	71 - 131	Percent
Y4NC3	16-Mar-09	N	TVOL	Chloroform-d	89	78 - 121	Percent
Y4NC3	16-Mar-09	N	TVOL	Toluene-d8	95	77 - 121	Percent
Y4NC3	16-Mar-09	N	TVOL	trans-1,3-Dichloropropene	97	73 - 121	Percent
Y4NC3	16-Mar-09	N	TVOL	Vinyl chloride-d3	86	65 - 131	Percent
Y4NC4	16-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	98	73 - 125	Percent
Y4NC4	16-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	107	78 - 129	Percent
Y4NC4	16-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**522**	55 - 104	Percent
Y4NC4	16-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	81	80 - 131	Percent
Y4NC4	16-Mar-09	N	TVOL	1,2-Dichloropropane-d6	110	79 - 124	Percent
Y4NC4	16-Mar-09	N	TVOL	2-Butanone-d5	95	49 - 155	Percent
Y4NC4	16-Mar-09	N	TVOL	2-Hexanone-d5	91	28 - 135	Percent
Y4NC4	16-Mar-09	N	TVOL	Benzene-d6	101	77 - 124	Percent
Y4NC4	16-Mar-09	N	TVOL	Chloroethane-d5	92	71 - 131	Percent
Y4NC4	16-Mar-09	N	TVOL	Chloroform-d	120	78 - 121	Percent
Y4NC4	16-Mar-09	N	TVOL	Toluene-d8	99	77 - 121	Percent
Y4NC4	16-Mar-09	N	TVOL	trans-1,3-Dichloropropene	112	73 - 121	Percent
Y4NC4	16-Mar-09	N	TVOL	Vinyl chloride-d3	78	65 - 131	Percent
Y4NC5	16-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	103	73 - 125	Percent
Y4NC5	16-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	112	78 - 129	Percent
Y4NC5	16-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**503**	55 - 104	Percent
Y4NC5	16-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	90	80 - 131	Percent
Y4NC5	16-Mar-09	N	TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y4NC5	16-Mar-09	N	TVOL	2-Butanone-d5	101	49 - 155	Percent
Y4NC5	16-Mar-09	N	TVOL	2-Hexanone-d5	96	28 - 135	Percent
Y4NC5	16-Mar-09	N	TVOL	Benzene-d6	99	77 - 124	Percent
Y4NC5	16-Mar-09	N	TVOL	Chloroethane-d5	97	71 - 131	Percent
Y4NC5	16-Mar-09	N	TVOL	Chloroform-d	**124**	78 - 121	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4NC5	16-Mar-09	N	TVOL	Toluene-d8	96	77 - 121	Percent
Y4NC5	16-Mar-09	N	TVOL	trans-1,3-Dichloropropene	119	73 - 121	Percent
Y4NC5	16-Mar-09	N	TVOL	Vinyl chloride-d3	80	65 - 131	Percent
Y4NC6	16-Mar-09	N	SIMVOL	1,1,2,2-Tetrachloroethane	113	73 - 125	Percent
Y4NC6	16-Mar-09	N	SIMVOL	1,2-Dichloroethane-d4	108	78 - 129	Percent
Y4NC6	16-Mar-09	N	TVOL	1,1-Dichloroethene-d2	**1203**	55 - 104	Percent
Y4NC6	16-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	93	80 - 131	Percent
Y4NC6	16-Mar-09	N	TVOL	1,2-Dichloropropane-d6	122	79 - 124	Percent
Y4NC6	16-Mar-09	N	TVOL	2-Butanone-d5	96	49 - 155	Percent
Y4NC6	16-Mar-09	N	TVOL	2-Hexanone-d5	70	28 - 135	Percent
Y4NC6	16-Mar-09	N	TVOL	Benzene-d6	116	77 - 124	Percent
Y4NC6	16-Mar-09	N	TVOL	Chloroethane-d5	76	71 - 131	Percent
Y4NC6	16-Mar-09	N	TVOL	Chloroform-d	**157**	78 - 121	Percent
Y4NC6	16-Mar-09	N	TVOL	Toluene-d8	117	77 - 121	Percent
Y4NC6	16-Mar-09	N	TVOL	trans-1,3-Dichloropropene	**144**	73 - 121	Percent
Y4NC6	16-Mar-09	N	TVOL	Vinyl chloride-d3	82	65 - 131	Percent
Y4NC7	16-Mar-09	N	TVOL	1,1-Dichloroethene-d2	70	55 - 104	Percent
Y4NC7	16-Mar-09	N	TVOL	1,2-Dichlorobenzene-d4	95	80 - 131	Percent
Y4NC7	16-Mar-09	N	TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y4NC7	16-Mar-09	N	TVOL	2-Butanone-d5	89	49 - 155	Percent
Y4NC7	16-Mar-09	N	TVOL	2-Hexanone-d5	89	28 - 135	Percent
Y4NC7	16-Mar-09	N	TVOL	Benzene-d6	100	77 - 124	Percent
Y4NC7	16-Mar-09	N	TVOL	Chloroethane-d5	94	71 - 131	Percent
Y4NC7	16-Mar-09	N	TVOL	Chloroform-d	108	78 - 121	Percent
Y4NC7	16-Mar-09	N	TVOL	Toluene-d8	97	77 - 121	Percent
Y4NC7	16-Mar-09	N	TVOL	trans-1,3-Dichloropropene	108	73 - 121	Percent
Y4NC7	16-Mar-09	N	TVOL	Vinyl chloride-d3	77	65 - 131	Percent
Y4Q41	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	92	73 - 125	Percent
Y4Q41	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	105	78 - 129	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	92	55 - 104	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	93	80 - 131	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	92	49 - 155	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	99	28 - 135	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	117	77 - 124	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	93	71 - 131	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	92	78 - 121	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	108	77 - 121	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	93	73 - 121	Percent
Y4Q41	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	87	65 - 131	Percent
Y4Q42	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	95	73 - 125	Percent
Y4Q42	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	103	78 - 129	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**107**	55 - 104	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	100	80 - 131	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	110	49 - 155	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	119	28 - 135	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	120	77 - 124	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	93	71 - 131	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	99	78 - 121	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	112	77 - 121	Percent
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	101	73 - 121	Percent

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Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4Q42	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	86	65 - 131	Percent
Y4Q43	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	83	73 - 125	Percent
Y4Q43	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	100	78 - 129	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	85	55 - 104	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	100	80 - 131	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	110	49 - 155	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	116	28 - 135	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	119	77 - 124	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	98	71 - 131	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	101	78 - 121	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	112	77 - 121	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	99	73 - 121	Percent
Y4Q43	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	96	65 - 131	Percent
Y4Q44	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	98	73 - 125	Percent
Y4Q44	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	104	78 - 129	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**109**	55 - 104	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	97	80 - 131	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	104	79 - 124	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	99	49 - 155	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	109	28 - 135	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	121	77 - 124	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	99	71 - 131	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	101	78 - 121	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	115	77 - 121	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	101	73 - 121	Percent
Y4Q44	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	91	65 - 131	Percent
Y4Q45	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	81	73 - 125	Percent
Y4Q45	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	98	78 - 129	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	103	55 - 104	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	100	79 - 124	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	92	49 - 155	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	104	28 - 135	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	116	77 - 124	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	95	71 - 131	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	99	78 - 121	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	110	77 - 121	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	96	73 - 121	Percent
Y4Q45	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	88	65 - 131	Percent
Y4Q46	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	95	73 - 125	Percent
Y4Q46	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	107	78 - 129	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**848**	55 - 104	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	95	80 - 131	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	102	79 - 124	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	90	49 - 155	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	103	28 - 135	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	120	77 - 124	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	91	71 - 131	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	85	78 - 121	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	115	77 - 121	Percent
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	100	73 - 121	Percent

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Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4Q46	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	86	65 - 131	Percent
Y4Q47	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	92	73 - 125	Percent
Y4Q47	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	101	78 - 129	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**1089**	55 - 104	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	98	80 - 131	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	101	79 - 124	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	109	49 - 155	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	121	28 - 135	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	118	77 - 124	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	90	71 - 131	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	88	78 - 121	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	114	77 - 121	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	105	73 - 121	Percent
Y4Q47	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	86	65 - 131	Percent
Y4Q48	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	84	73 - 125	Percent
Y4Q48	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	96	78 - 129	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**785**	55 - 104	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	91	80 - 131	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	123	49 - 155	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	113	28 - 135	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	110	77 - 124	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	83	71 - 131	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	82	78 - 121	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	106	77 - 121	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	98	73 - 121	Percent
Y4Q48	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	74	65 - 131	Percent
Y4Q49	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	86	73 - 125	Percent
Y4Q49	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	94	78 - 129	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**782**	55 - 104	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	89	80 - 131	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	92	79 - 124	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	112	49 - 155	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	101	28 - 135	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	107	77 - 124	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	81	71 - 131	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	80	78 - 121	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	102	77 - 121	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	93	73 - 121	Percent
Y4Q49	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	74	65 - 131	Percent
Y4Q50	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	89	73 - 125	Percent
Y4Q50	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	101	78 - 129	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**353**	55 - 104	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	96	80 - 131	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	94	49 - 155	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	105	28 - 135	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	115	77 - 124	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	95	71 - 131	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	96	78 - 121	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	110	77 - 121	Percent
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	95	73 - 121	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4Q50	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	85	65 - 131	Percent
Y4Q51	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	78	73 - 125	Percent
Y4Q51	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	94	78 - 129	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**352**	55 - 104	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	93	80 - 131	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	96	49 - 155	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	107	28 - 135	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	110	77 - 124	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	93	71 - 131	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	96	78 - 121	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	105	77 - 121	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	95	73 - 121	Percent
Y4Q51	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	83	65 - 131	Percent
Y4Q52	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	91	73 - 125	Percent
Y4Q52	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	102	78 - 129	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**603**	55 - 104	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	90	49 - 155	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	100	28 - 135	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	113	77 - 124	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	94	71 - 131	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	94	78 - 121	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	107	77 - 121	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	93	73 - 121	Percent
Y4Q52	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	84	65 - 131	Percent
Y4Q53	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	95	73 - 125	Percent
Y4Q53	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	101	78 - 129	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**507**	55 - 104	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	93	80 - 131	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	94	49 - 155	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	106	28 - 135	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	111	77 - 124	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	96	71 - 131	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	95	78 - 121	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	107	77 - 121	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	94	73 - 121	Percent
Y4Q53	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	91	65 - 131	Percent
Y4Q54	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	97	73 - 125	Percent
Y4Q54	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	100	78 - 129	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**471**	55 - 104	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	89	80 - 131	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	92	79 - 124	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	92	49 - 155	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	104	28 - 135	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	107	77 - 124	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	94	71 - 131	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	94	78 - 121	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	102	77 - 121	Percent
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	91	73 - 121	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4Q54	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	88	65 - 131	Percent
Y4Q55	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	108	73 - 125	Percent
Y4Q55	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	103	78 - 129	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**273**	55 - 104	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	97	80 - 131	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	95	49 - 155	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	108	28 - 135	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	115	77 - 124	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	99	71 - 131	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	107	78 - 121	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	110	77 - 121	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	99	73 - 121	Percent
Y4Q55	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	91	65 - 131	Percent
Y4Q56	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	84	73 - 125	Percent
Y4Q56	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	91	78 - 129	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**225**	55 - 104	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	96	80 - 131	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	92	49 - 155	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	108	28 - 135	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	113	77 - 124	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	97	71 - 131	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	105	78 - 121	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	109	77 - 121	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	95	73 - 121	Percent
Y4Q56	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	91	65 - 131	Percent
Y4Q57	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y4Q57	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	105	78 - 129	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**468**	55 - 104	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	89	80 - 131	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	91	79 - 124	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	94	49 - 155	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	105	28 - 135	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	107	77 - 124	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	95	71 - 131	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	109	78 - 121	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	101	77 - 121	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	91	73 - 121	Percent
Y4Q57	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	92	65 - 131	Percent
Y4Q58	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	80	73 - 125	Percent
Y4Q58	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	89	78 - 129	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	97	55 - 104	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	106	80 - 131	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	109	79 - 124	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	116	49 - 155	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	133	28 - 135	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	124	77 - 124	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	95	71 - 131	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	111	78 - 121	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	116	77 - 121	Percent
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	102	73 - 121	Percent

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Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4Q58	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	103	65 - 131	Percent
Y4Q59	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	84	73 - 125	Percent
Y4Q59	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	92	78 - 129	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**704**	55 - 104	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	99	80 - 131	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	101	79 - 124	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	113	49 - 155	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	133	28 - 135	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	114	77 - 124	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	78	71 - 131	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	**149**	78 - 121	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	110	77 - 121	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	98	73 - 121	Percent
Y4Q59	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	79	65 - 131	Percent
Y4Q60	7-Apr-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	110	73 - 125	Percent
Y4Q60	7-Apr-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	100	78 - 129	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**386**	55 - 104	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	107	80 - 131	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	104	79 - 124	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	2-Butanone-d5	123	49 - 155	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	2-Hexanone-d5	134	28 - 135	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	Benzene-d6	118	77 - 124	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	Chloroethane-d5	110	71 - 131	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	Chloroform-d	**126**	78 - 121	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	Toluene-d8	115	77 - 121	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	104	73 - 121	Percent
Y4Q60	7-Apr-09	N	SOM01.2 TVOL	Vinyl chloride-d3	102	65 - 131	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	101	73 - 125	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	78	55 - 104	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	90	78 - 129	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	92	79 - 124	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	74	49 - 155	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	81	28 - 135	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	Benzene-d6	99	77 - 124	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	99	71 - 131	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	Chloroform-d	97	78 - 121	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	Toluene-d8	97	77 - 121	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	90	73 - 121	Percent
Y4ZA6	1-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	93	65 - 131	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	99	73 - 125	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	77	55 - 104	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	95	80 - 131	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	86	78 - 129	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	76	49 - 155	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	81	28 - 135	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	Benzene-d6	102	77 - 124	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	100	71 - 131	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	Chloroform-d	94	78 - 121	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	Toluene-d8	100	77 - 121	Percent
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	91	73 - 121	Percent

TABLE G-5
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4ZA7	1-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	94	65 - 131	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	98	73 - 125	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	78	55 - 104	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	96	80 - 131	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	86	78 - 129	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	72	49 - 155	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	80	28 - 135	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	Benzene-d6	103	77 - 124	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	101	71 - 131	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	Chloroform-d	94	78 - 121	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	Toluene-d8	101	77 - 121	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	91	73 - 121	Percent
Y4ZA8	1-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	96	65 - 131	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	91	73 - 125	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	76	55 - 104	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	96	80 - 131	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	86	78 - 129	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	73	49 - 155	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	82	28 - 135	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	Benzene-d6	102	77 - 124	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	99	71 - 131	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	Chloroform-d	94	78 - 121	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	Toluene-d8	100	77 - 121	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	91	73 - 121	Percent
Y4ZA9	1-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	93	65 - 131	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	102	73 - 125	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	76	55 - 104	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	95	80 - 131	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	88	78 - 129	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	82	49 - 155	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	90	28 - 135	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	Benzene-d6	101	77 - 124	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	98	71 - 131	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	Chloroform-d	95	78 - 121	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	Toluene-d8	99	77 - 121	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	96	73 - 121	Percent
Y4ZB0	2-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	93	65 - 131	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	106	73 - 125	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	79	55 - 104	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	94	78 - 129	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	85	49 - 155	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	91	28 - 135	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	Benzene-d6	104	77 - 124	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	108	71 - 131	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	Chloroform-d	98	78 - 121	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	Toluene-d8	102	77 - 121	Percent
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	98	73 - 121	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4ZB1	2-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	100	65 - 131	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	105	73 - 125	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	83	55 - 104	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	93	80 - 131	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	94	78 - 129	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	97	79 - 124	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	85	49 - 155	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	90	28 - 135	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	Benzene-d6	105	77 - 124	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	107	71 - 131	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	Chloroform-d	99	78 - 121	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	Toluene-d8	102	77 - 121	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	98	73 - 121	Percent
Y4ZB2	2-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	101	65 - 131	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	100	73 - 125	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	81	55 - 104	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	85	78 - 129	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	91	79 - 124	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	75	49 - 155	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	79	28 - 135	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	Benzene-d6	101	77 - 124	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	99	71 - 131	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	Chloroform-d	94	78 - 121	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	Toluene-d8	99	77 - 121	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	91	73 - 121	Percent
Y4ZB3	2-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	94	65 - 131	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	103	73 - 125	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	83	55 - 104	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	93	80 - 131	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	95	78 - 129	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	92	49 - 155	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	88	28 - 135	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	Benzene-d6	105	77 - 124	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	108	71 - 131	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	Chloroform-d	102	78 - 121	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	Toluene-d8	102	77 - 121	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	100	73 - 121	Percent
Y4ZB4	2-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	103	65 - 131	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	108	73 - 125	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**335**	55 - 104	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	89	78 - 129	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	83	49 - 155	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	93	28 - 135	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	Benzene-d6	99	77 - 124	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	95	71 - 131	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	Chloroform-d	103	78 - 121	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	Toluene-d8	96	77 - 121	Percent
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	95	73 - 121	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4ZB5	2-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	91	65 - 131	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	107	73 - 125	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**278**	55 - 104	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	102	80 - 131	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	93	78 - 129	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	103	79 - 124	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	85	49 - 155	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	89	28 - 135	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	Benzene-d6	111	77 - 124	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	94	71 - 131	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	Chloroform-d	107	78 - 121	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	Toluene-d8	101	77 - 121	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	101	73 - 121	Percent
Y4ZB6	2-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	89	65 - 131	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	114	73 - 125	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**106**	55 - 104	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	95	80 - 131	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	104	78 - 129	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	96	79 - 124	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	95	49 - 155	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	99	28 - 135	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	Benzene-d6	104	77 - 124	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	113	71 - 131	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	Chloroform-d	105	78 - 121	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	Toluene-d8	102	77 - 121	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	107	73 - 121	Percent
Y4ZB7	3-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	100	65 - 131	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	108	73 - 125	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	103	55 - 104	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	96	80 - 131	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	100	78 - 129	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	89	49 - 155	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	95	28 - 135	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	Benzene-d6	101	77 - 124	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	98	71 - 131	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	Chloroform-d	103	78 - 121	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	Toluene-d8	101	77 - 121	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	103	73 - 121	Percent
Y4ZB8	3-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	93	65 - 131	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	105	73 - 125	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**473**	55 - 104	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	93	80 - 131	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	99	78 - 129	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	85	49 - 155	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	85	28 - 135	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	Benzene-d6	103	77 - 124	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	106	71 - 131	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	Chloroform-d	115	78 - 121	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	Toluene-d8	101	77 - 121	Percent
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	101	73 - 121	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4ZB9	3-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	100	65 - 131	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	100	73 - 125	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	84	55 - 104	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	85	78 - 129	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	92	79 - 124	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	74	49 - 155	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	81	28 - 135	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	Benzene-d6	100	77 - 124	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	94	71 - 131	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	Chloroform-d	94	78 - 121	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	Toluene-d8	98	77 - 121	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	90	73 - 121	Percent
Y4ZC0	3-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	92	65 - 131	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	109	73 - 125	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**410**	55 - 104	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	101	78 - 129	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	88	49 - 155	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	88	28 - 135	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	Benzene-d6	103	77 - 124	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	106	71 - 131	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	Chloroform-d	114	78 - 121	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	Toluene-d8	101	77 - 121	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	103	73 - 121	Percent
Y4ZC1	3-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	100	65 - 131	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	108	73 - 125	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	78	55 - 104	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	91	80 - 131	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	94	78 - 129	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	104	79 - 124	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	86	49 - 155	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	93	28 - 135	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	Benzene-d6	111	77 - 124	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	96	71 - 131	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	Chloroform-d	97	78 - 121	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	Toluene-d8	101	77 - 121	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	102	73 - 121	Percent
Y4ZC2	3-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	86	65 - 131	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	103	73 - 125	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	81	55 - 104	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	93	78 - 129	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	93	79 - 124	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	85	49 - 155	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	82	28 - 135	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	Benzene-d6	102	77 - 124	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	99	71 - 131	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	Chloroform-d	98	78 - 121	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	Toluene-d8	99	77 - 121	Percent
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	97	73 - 121	Percent

TABLE G-5
Surrogate Summary
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FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y4ZC3	3-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	91	65 - 131	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	97	73 - 125	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	**112**	55 - 104	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	84	78 - 129	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	91	79 - 124	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	70	49 - 155	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	79	28 - 135	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	Benzene-d6	102	77 - 124	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	101	71 - 131	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	Chloroform-d	94	78 - 121	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	Toluene-d8	101	77 - 121	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	88	73 - 121	Percent
Y4ZC4	3-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	95	65 - 131	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	1,1,2,2-Tetrachloroethane	99	73 - 125	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	84	55 - 104	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	94	80 - 131	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloroethane-d4	99	78 - 129	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	94	79 - 124	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	94	49 - 155	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	89	28 - 135	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	Benzene-d6	103	77 - 124	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	109	71 - 131	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	Chloroform-d	107	78 - 121	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	Toluene-d8	100	77 - 121	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	98	73 - 121	Percent
Y4ZC5	3-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	100	65 - 131	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	2,4-Dichlorophenol-d3	68	37 - 105	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	2-Chlorophenol-d4	67	41 - 106	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	2-Nitrophenol-d4	69	40 - 108	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	4,6-Dinitro-2-methylpheno	57	22 - 104	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	4-Chloroaniline-d4	3	1 - 145	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	4-Methylphenol-d8	63	25 - 111	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	4-Nitrophenol-d4	**2**	33 - 116	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	Acenaphthylene-d8	74	41 - 107	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	Anthracene-d10	86	44 - 110	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	Benzo(a)pyrene-d12	**0**	32 - 121	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	Bis(2-chloroethyl)ether-d	59	40 - 105	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	Dimethylphthalate-d6	91	47 - 114	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	Fluorene-d10	89	42 - 111	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	Nitrobenzene-d5	61	43 - 108	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	Phenol-d5	67	39 - 106	Percent
Y5129	15-Sep-09	N	SOM01.2 CSVOL	Pyrene-d10	82	52 - 119	Percent
Y5129	15-Sep-09	N	SOM01.2 SIMSVOL	2-Methylnaphthalene-d10	80	50 - 150	Percent
Y5129	15-Sep-09	N	SOM01.2 SIMSVOL	Fluoranthene-d10	84	50 - 150	Percent
Y5129	15-Sep-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	88	73 - 125	Percent
Y5129	15-Sep-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	89	78 - 129	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	83	55 - 104	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	93	80 - 131	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	98	79 - 124	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	77	49 - 155	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	67	28 - 135	Percent

TABLE G-5
Surrogate Summary
Omega Chemical Corporation Superfund Site

FieldID	Sample Date	QAQC Type	Analysis Method	Analyte	Result	Acceptance Criteria	Units
Y5129	15-Sep-09	N	SOM01.2 TVOL	Benzene-d6	99	77 - 124	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	119	71 - 131	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	Chloroform-d	96	78 - 121	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	Toluene-d8	98	77 - 121	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	100	73 - 121	Percent
Y5129	15-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	100	65 - 131	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	2,4-Dichlorophenol-d3	76	37 - 105	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	2-Chlorophenol-d4	77	41 - 106	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	2-Nitrophenol-d4	82	40 - 108	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	4,6-Dinitro-2-methylpheno	63	22 - 104	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	4-Chloroaniline-d4	2	1 - 145	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	4-Methylphenol-d8	67	25 - 111	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	4-Nitrophenol-d4	100	33 - 116	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	Acenaphthylene-d8	73	41 - 107	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	Anthracene-d10	75	44 - 110	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	Benzo(a)pyrene-d12	**0**	32 - 121	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	Bis(2-chloroethyl)ether-d	71	40 - 105	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	Dimethylphthalate-d6	83	47 - 114	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	Fluorene-d10	90	42 - 111	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	Nitrobenzene-d5	77	43 - 108	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	Phenol-d5	77	39 - 106	Percent
Y5130	15-Sep-09	N	SOM01.2 CSVOL	Pyrene-d10	69	52 - 119	Percent
Y5130	15-Sep-09	N	SOM01.2 SIMSVOL	2-Methylnaphthalene-d10	89	50 - 150	Percent
Y5130	15-Sep-09	N	SOM01.2 SIMSVOL	Fluoranthene-d10	110	50 - 150	Percent
Y5130	15-Sep-09	N	SOM01.2 SIMVOL	1,1,2,2-Tetrachloroethane	79	73 - 125	Percent
Y5130	15-Sep-09	N	SOM01.2 SIMVOL	1,2-Dichloroethane-d4	97	78 - 129	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	1,1-Dichloroethene-d2	78	55 - 104	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	1,2-Dichlorobenzene-d4	93	80 - 131	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	1,2-Dichloropropane-d6	95	79 - 124	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	2-Butanone-d5	91	49 - 155	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	2-Hexanone-d5	80	28 - 135	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	Benzene-d6	93	77 - 124	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	Chloroethane-d5	110	71 - 131	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	Chloroform-d	94	78 - 121	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	Toluene-d8	94	77 - 121	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	trans-1,3-Dichloropropene	100	73 - 121	Percent
Y5130	15-Sep-09	N	SOM01.2 TVOL	Vinyl chloride-d3	95	65 - 131	Percent

TABLE _NOT TO BE INCLUDED_in report___

Laboratory Control and Duplicate Summary

Omega

FieldID	Analysis Method	Analyte	RL	MDL	Units	Expected Value	Result	Recovery	Acceptance Criteria
LCS Data is unavailable electronically at this time.									

TABLE __NOT TO BE INCLUDED in report___

Matrix Spike/Matrix Spike Duplicate Summary

Omega

Sample ID	Analysis Method	Analyte	MS Recovery	SD Recovery	RPD	Acceptance Criteria	RPD Criteria
MS/MSD Data is unavailable electronically at this time.							

Appendix H
Statistical Plots

Appendix H
Freon Ratios

The ratios of concentrations of Freon 113 (F113) and Freon 11 (F11) were evaluated to identify indications of potential sources of Freons other than the former Omega facility.

Both F11 and F113 are stable compounds that do not degrade in groundwater. Their sorption characteristics are similar and, furthermore, sorption is not substantial in the sandy aquifer materials present at OU2. These characteristics support the expectation of a (relatively) constant F113/F11 ratio in a plume resulting from a single source at OU2. The ratio of their concentrations would be expected to remain constant in the absence of sampling, analytical, and any other variation.

It can be reasonably expected that the source at Omega OU1 is well-mixed and the Freon ratio at OU1 was fairly uniform over time as a result of the release of mixed waste into soil. If there is another substantial source of either F11 or F113 somewhere at OU2 downgradient from OU1, the ratio of F113/F11 in groundwater is expected to be different downgradient of that source. A source of both F11 and F113 but with a different mix than those at OU1 would have a similar effect.

Table 3-4 in Section 3 of the main text summarizes the statistics for the F113/F11 ratios calculated for each well using the entire historical record (with nondetects removed). Wells with insufficient records (for example, MW31, MW30, and MW29) are not included in the table.

Analysis of the J-qualified and unqualified Freon ratios (total data count N=788) provided the following results:

Parametric and non-parametric ANOVA tests indicate statistically significant differences in ratios among well locations.

Box-plots included in this appendix corroborate the differences. Sorting by median values shows which wells are particularly different.

The main limitations to this analysis are:

Inclusion of the J values was assessed for its potential effect. A box-plot compares the ratios over the paired qualifiers: Q1*Q2 where Q1 is the F113 qualifier and Q2 is the F11 qualifier. Possible combinations and record counts include: DD [N=646]; DJ [N=39]; JD [N=43]; JJ [N=61]. The results suggest that the J-qualified F11 results exhibit wider variability than the J-qualified F113 results; however, this is a soft conclusion given the overall variability of the results.

Record counts (that is, the number of data points) differ widely among the wells. The counts themselves are not so much the issue; rather, the different lengths of monitoring records for some wells may affect the representativeness of the results (the lengths of records depend on the time of the well installation, which varies from 1996 to 2009). As the monitoring at OU2 continues, eventually it will be possible to use the same record length for each well.

The limitations specifically related to using ratios of concentrations are briefly explained as follows:

The accuracy of a ratio is comparatively lower given measurement uncertainties in the quantification of both F113 and F11 concentrations. For example, if 15 µg/L can truly represent concentrations between 12 and 18, a ratio of 1 (F113 and F11 concentrations both reported at 15) means the ratio could actually be as low as 0.67 and as high as 1.5. That is not accounted for in the presented evaluation but is clearly a generic problem in the use of ratios.

The potential relationship of a ratio to the magnitude of the concentrations is also not accounted for above. If the laboratory method accuracy and precision vary as a function of concentration, the ratios are not independent of concentration.

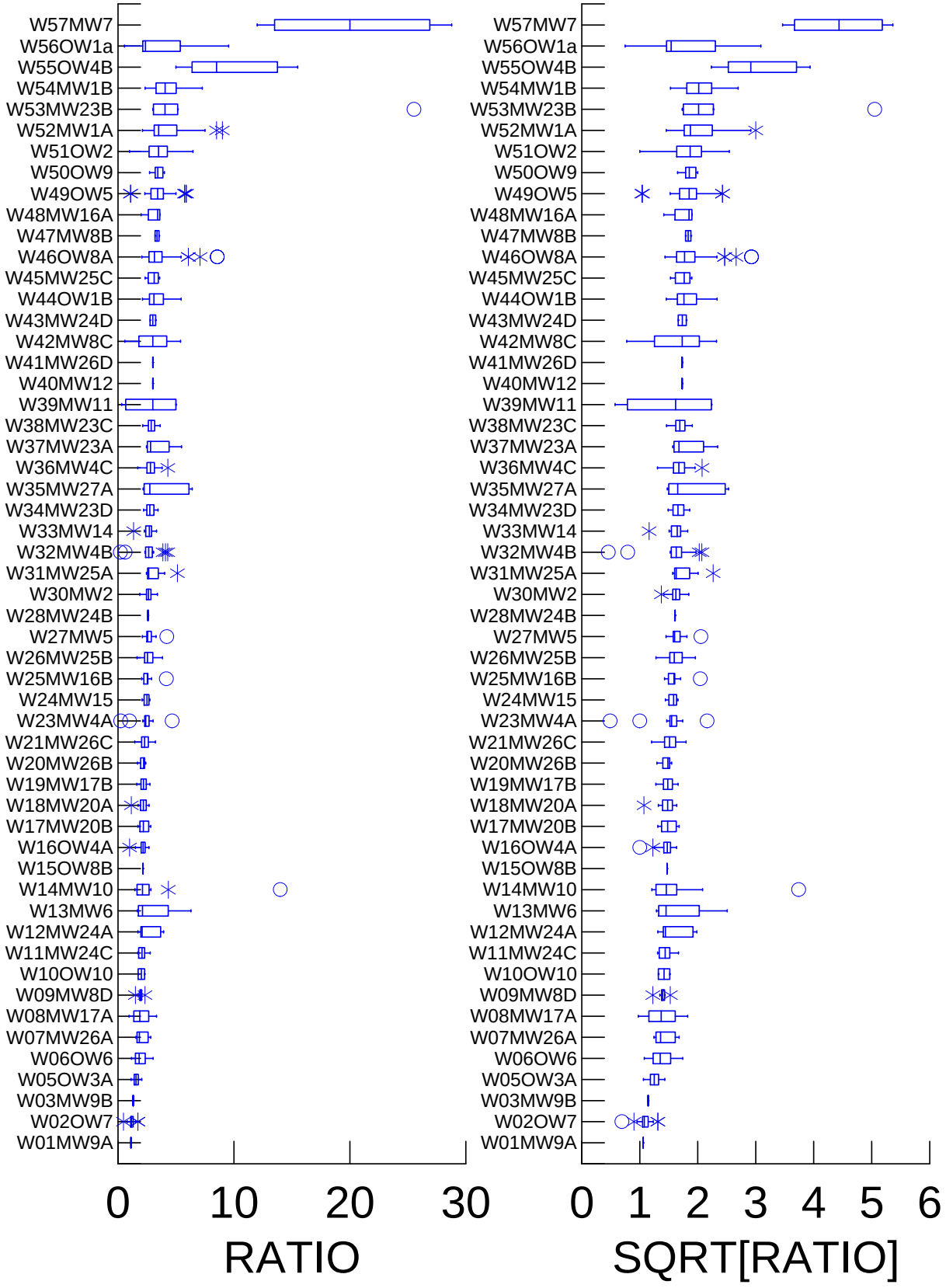
Ratios often give rise to unusual distributions (non-normal). Ratios of concentrations, which are typically not normally distributed, are expected to be non-normal.

The median ratios calculated from historical concentration data are shown in Figure 3-12 in the main text of this report. The spatial pattern does not indicate clustering or trends in the ratios over OU2. The variability in the ratios may be entirely attributable to the limitations listed above.

The ratios fall within a narrow range of 1.1 to 4.1 except for wells MW7 (20), OW1A (9.5), and OW4B (8.5). MW7 is located at the plume margin and its median ratio may be considered an outlier as a result of low and J-qualified F11 concentrations. Similarly, the high ratios at OW4B are related to the low and J-qualified F11 concentrations (also noting that only two records are available). It is unlikely that another source of Freons is affecting only OW4B without affecting the shallower cluster well OW4A (ratio of 2.1). The high ratios for OW1A may be related to analytical results affected by high sample dilutions. This seems to be a likely explanation, considering the much lower ratio (3.1) at the nearby OU1 well OW1B, which is deeper and has much lower VOC concentrations.

The narrow ratio range for the remaining wells seems to be indicative of Omega OU1 being a single source of the two Freons at OU2. However, it is noted that because of the limitations of this analysis, only a substantial change in the F113/F11 ratio resulting from a substantial release of Freon(s) to groundwater could be detected.

Box Plots for Freon Concentration Ratios (Freon 113/Freon 11)


W57MW7
W56OW1a
W55OW4B
W54MW1B
W53MW23B
W52MW1A
W51OW2
W50OW9
W49OW5
W48MW16A
W47MW8B
W46OW8A
W45MW25C
W44OW1B
W43MW24D
W42MW8C
W41MW26D
W40MW12
W39MW11
W38MW23C
W37MW23A
W36MW4C
W35MW27A
W34MW23D
W33MW14
W32MW4B
W31MW25A
W30MW2
W28MW24B
W27MW5
W26MW25B
W25MW16B
W24MW15
W23MW4A
W21MW26C
W20MW26B
W19MW17B
W18MW20A
W17MW20B
W16OW4A
W15OW8B
W14MW10
W13MW6
W12MW24A
W11MW24C
W10OW10
W09MW8D
W08MW17A
W07MW26A
W06OW6
W05OW3A
W03MW9B
W02OW7
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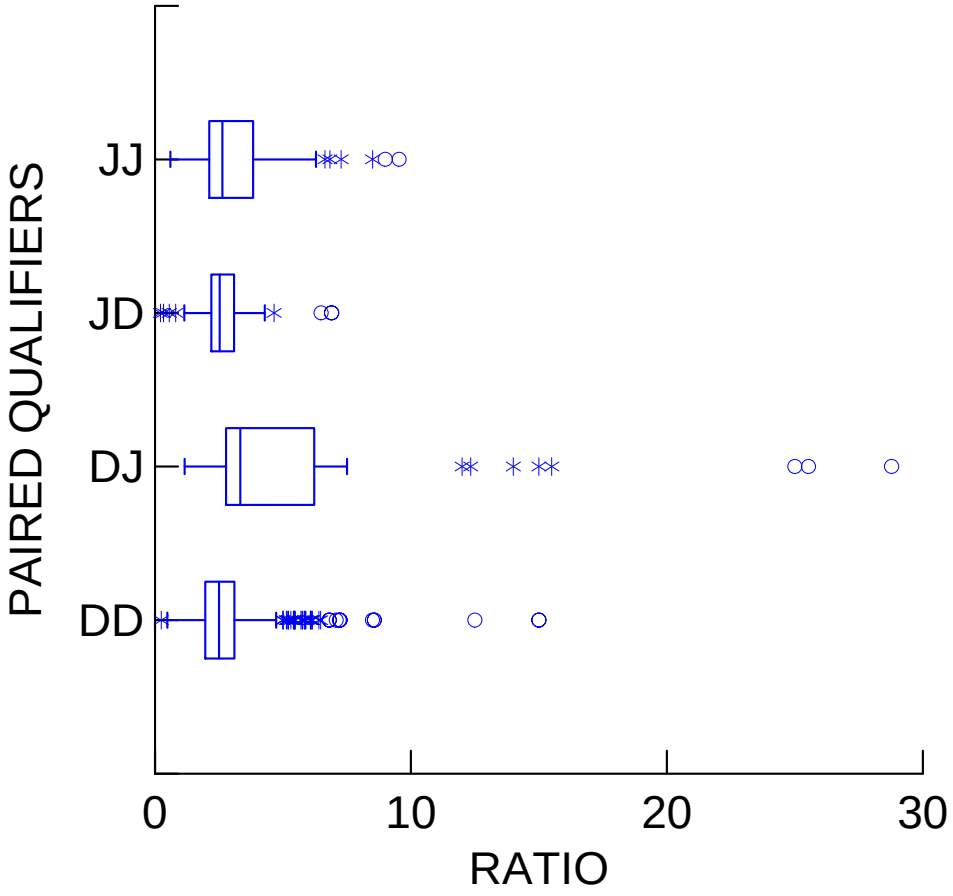
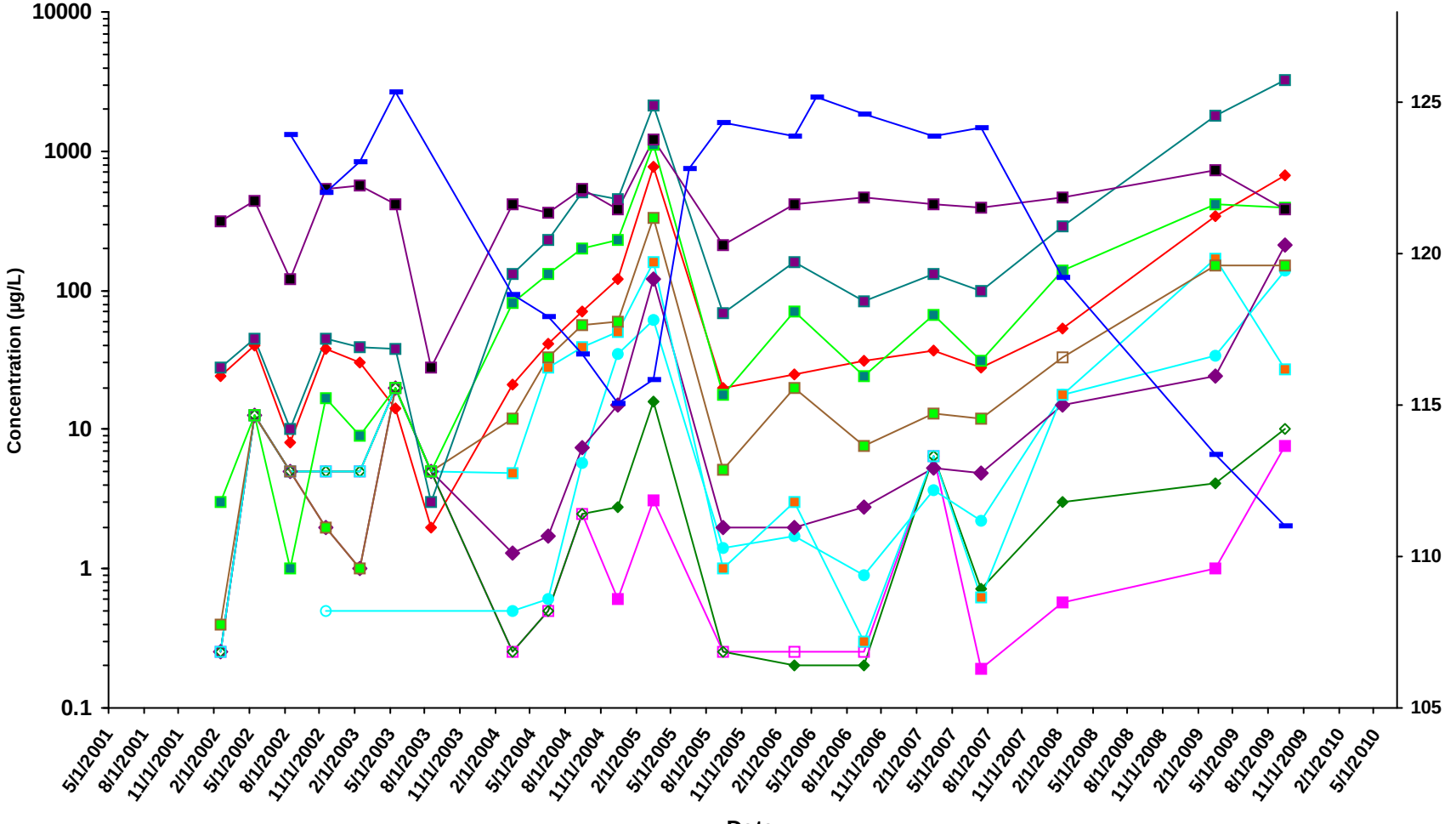
0
10
20
30
RATIO
0
1
2
3
4
5
6
SQRT[RATIO]


PAIRED QUALIFIERS
JJ
JD
DJ
DD
0
10
20
30
RATIO

Appendix I
VOC Time Series Plots

Omega Chemical Superfund Site
MW1A

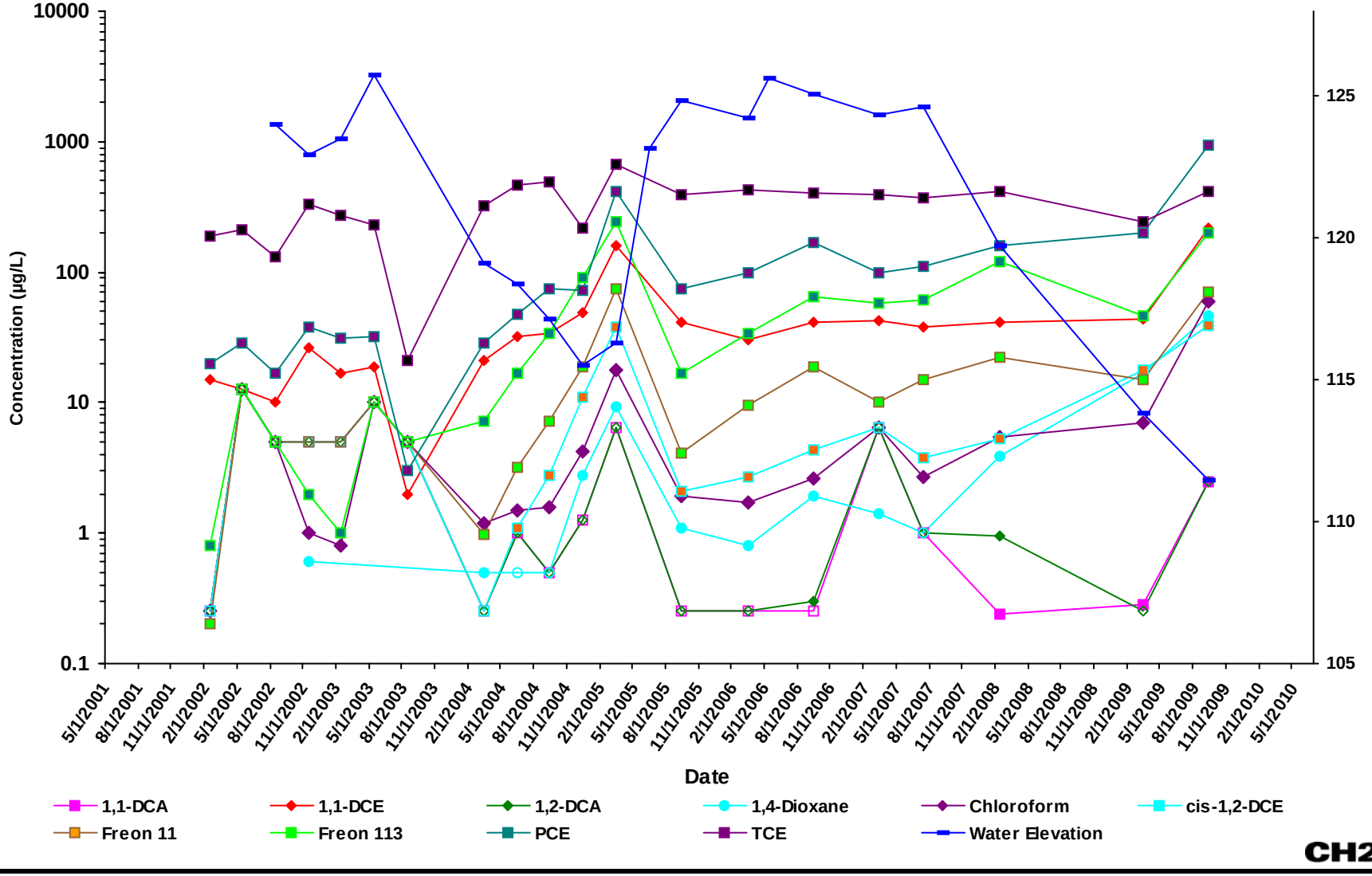


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW1B



CH2MHILL

Notes:

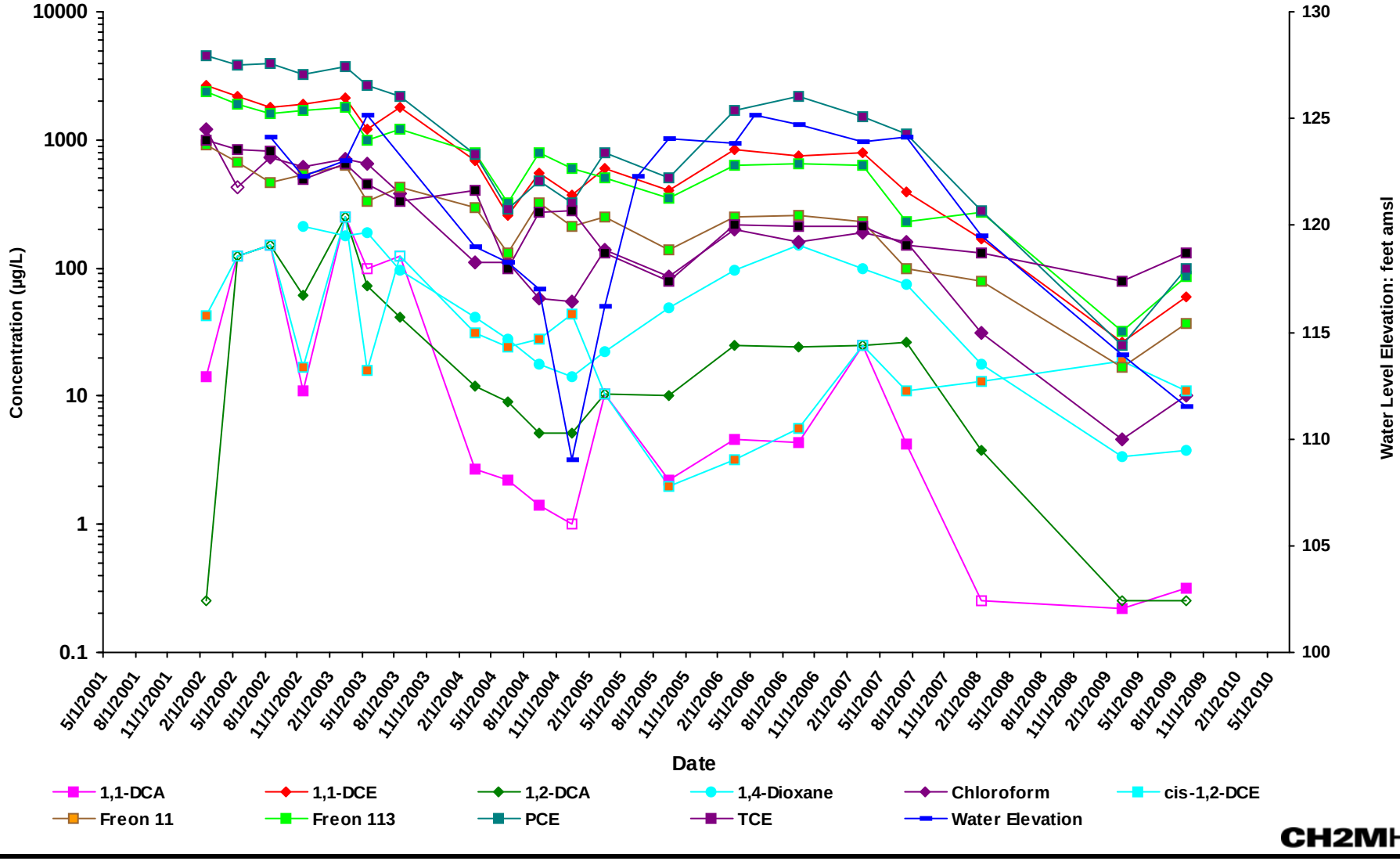
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW2

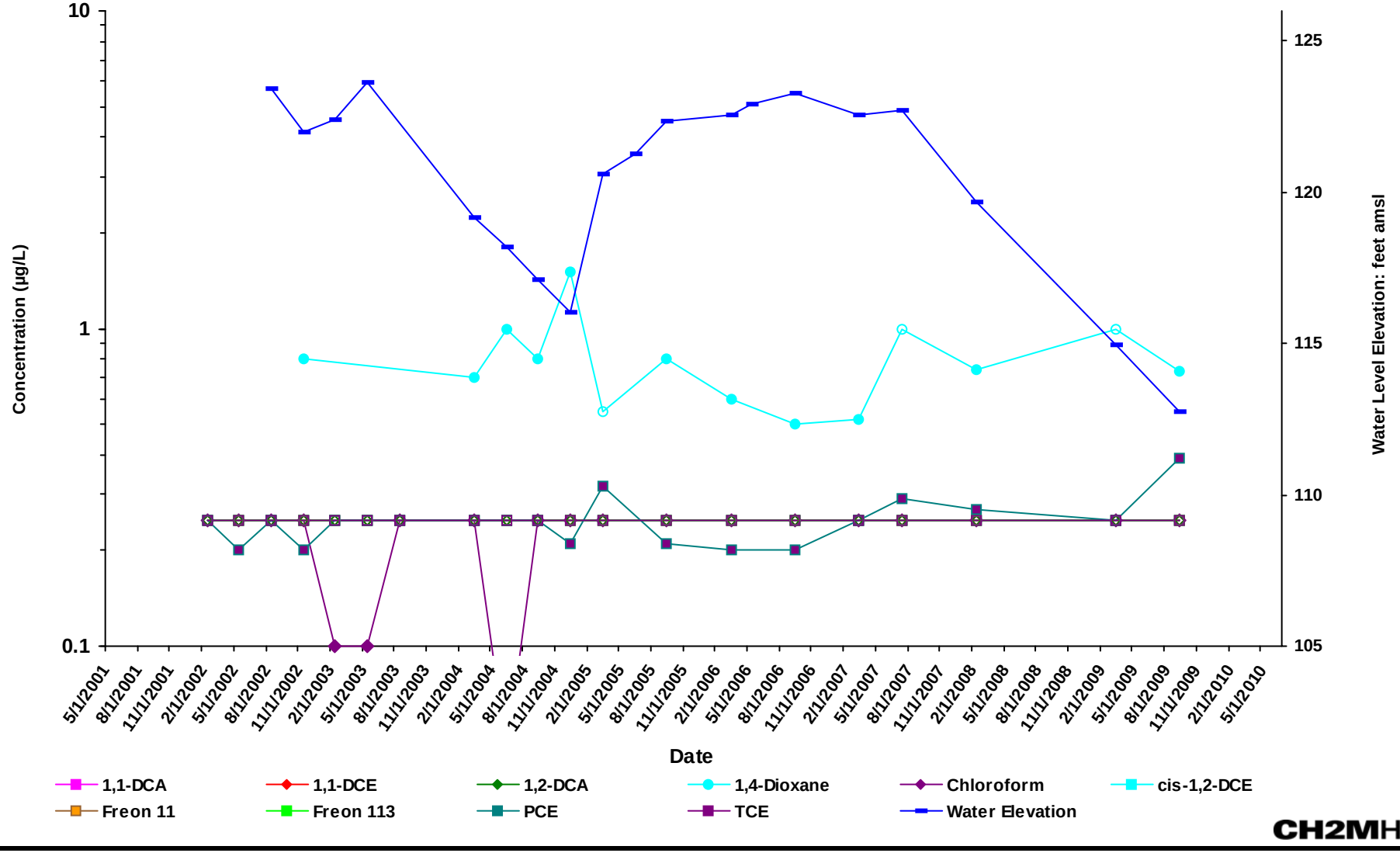


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW3

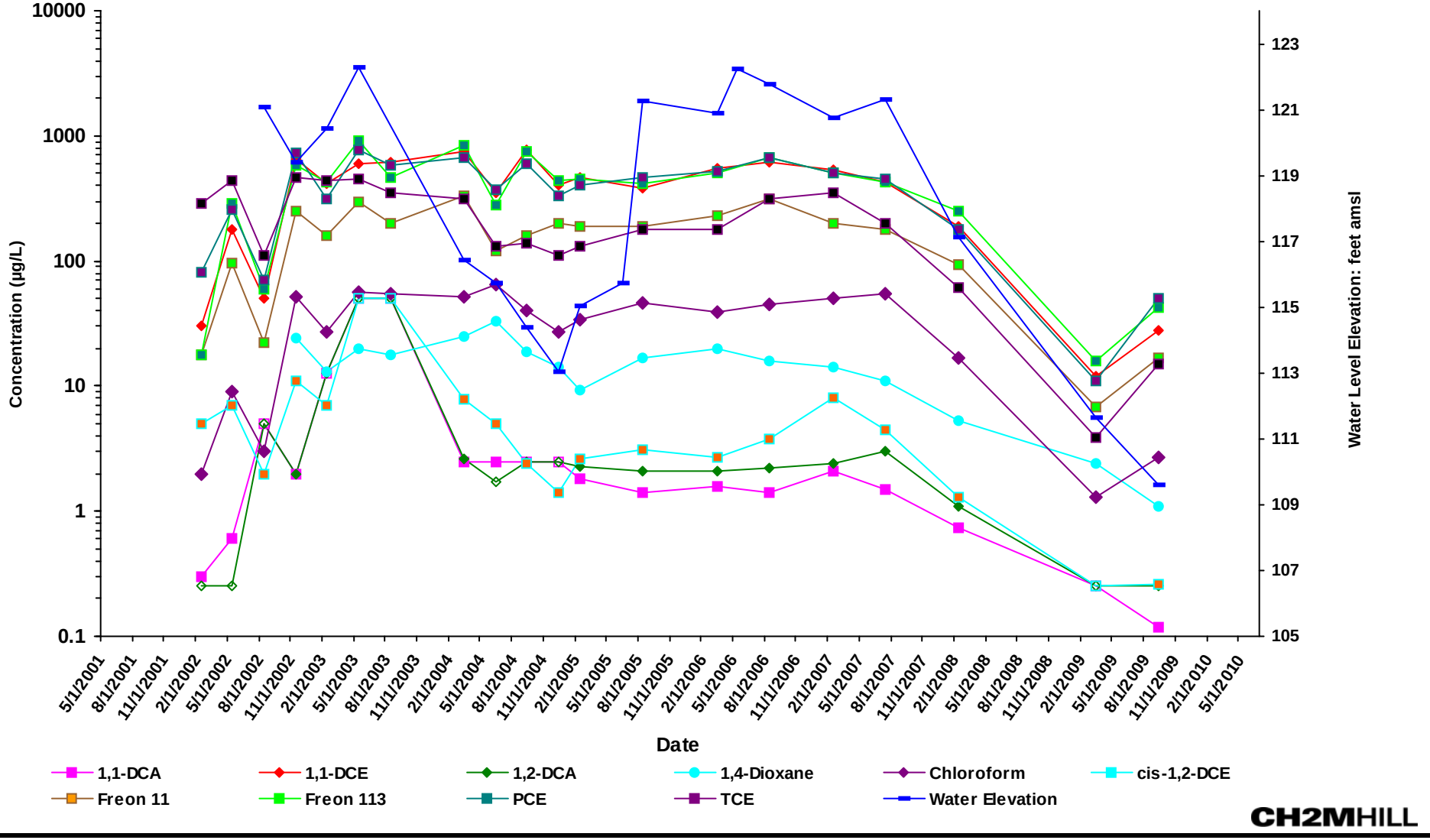


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW4A



CH2MHILL

Notes:

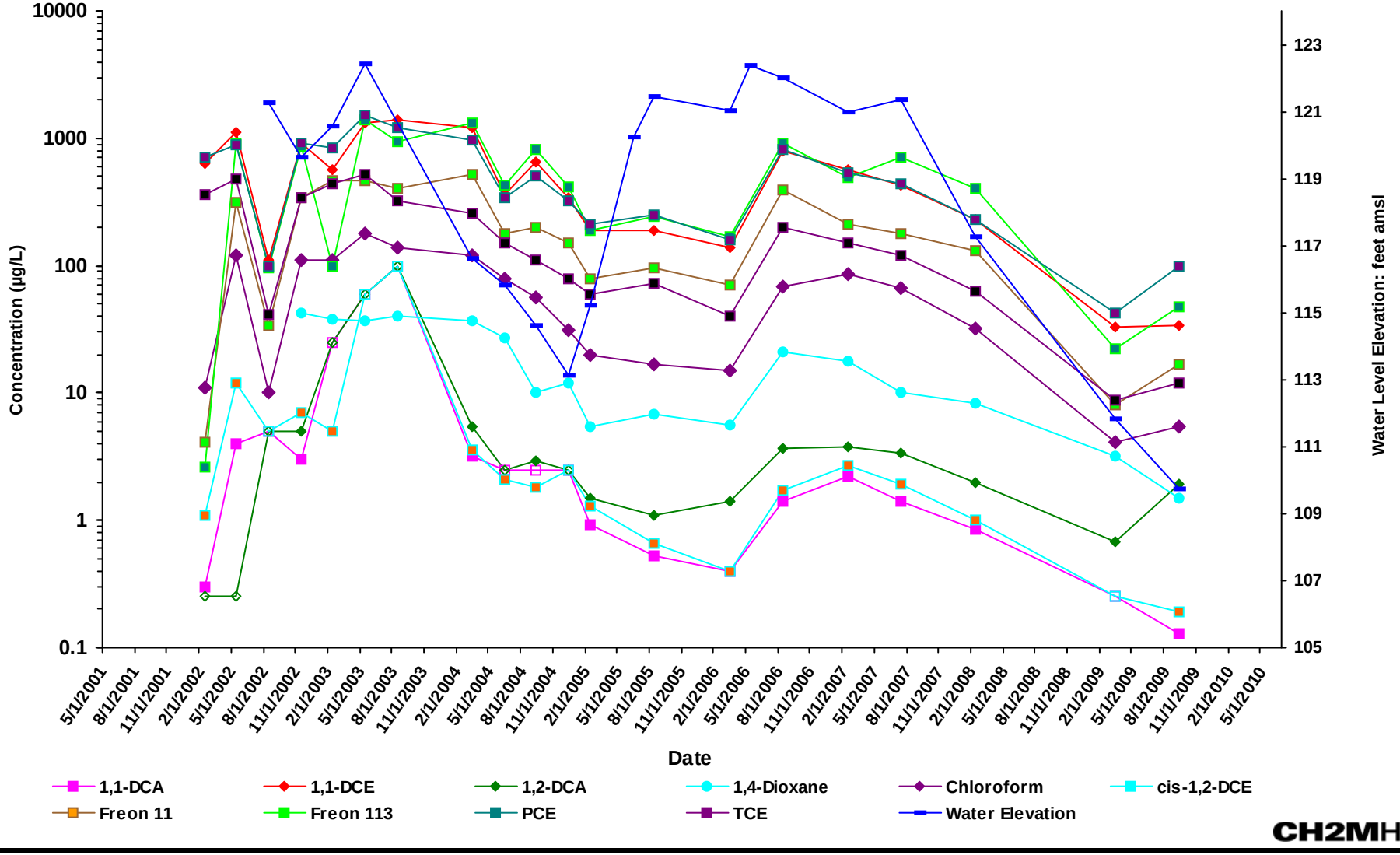
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW4B

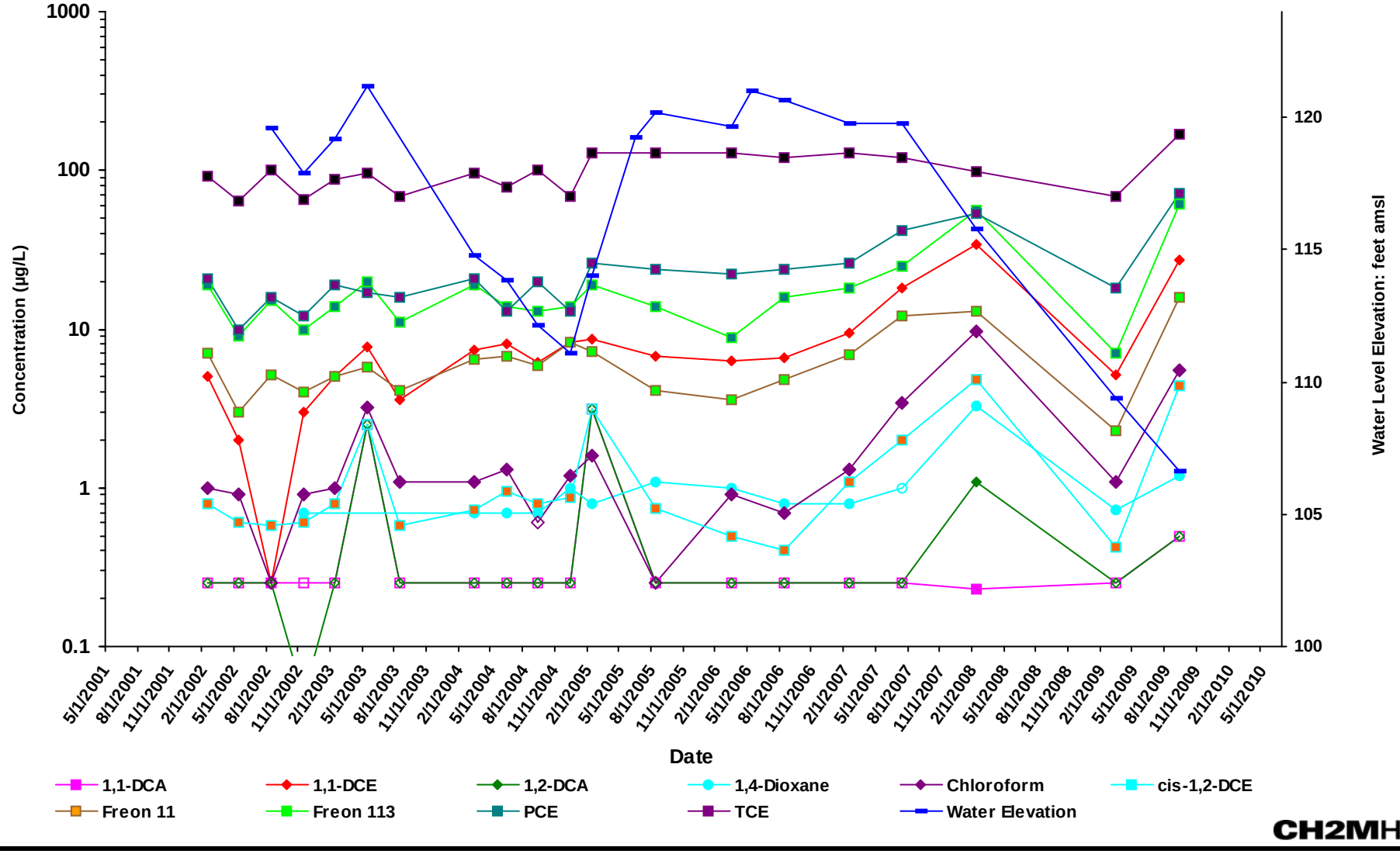


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW4C



CH2MHILL

Notes:

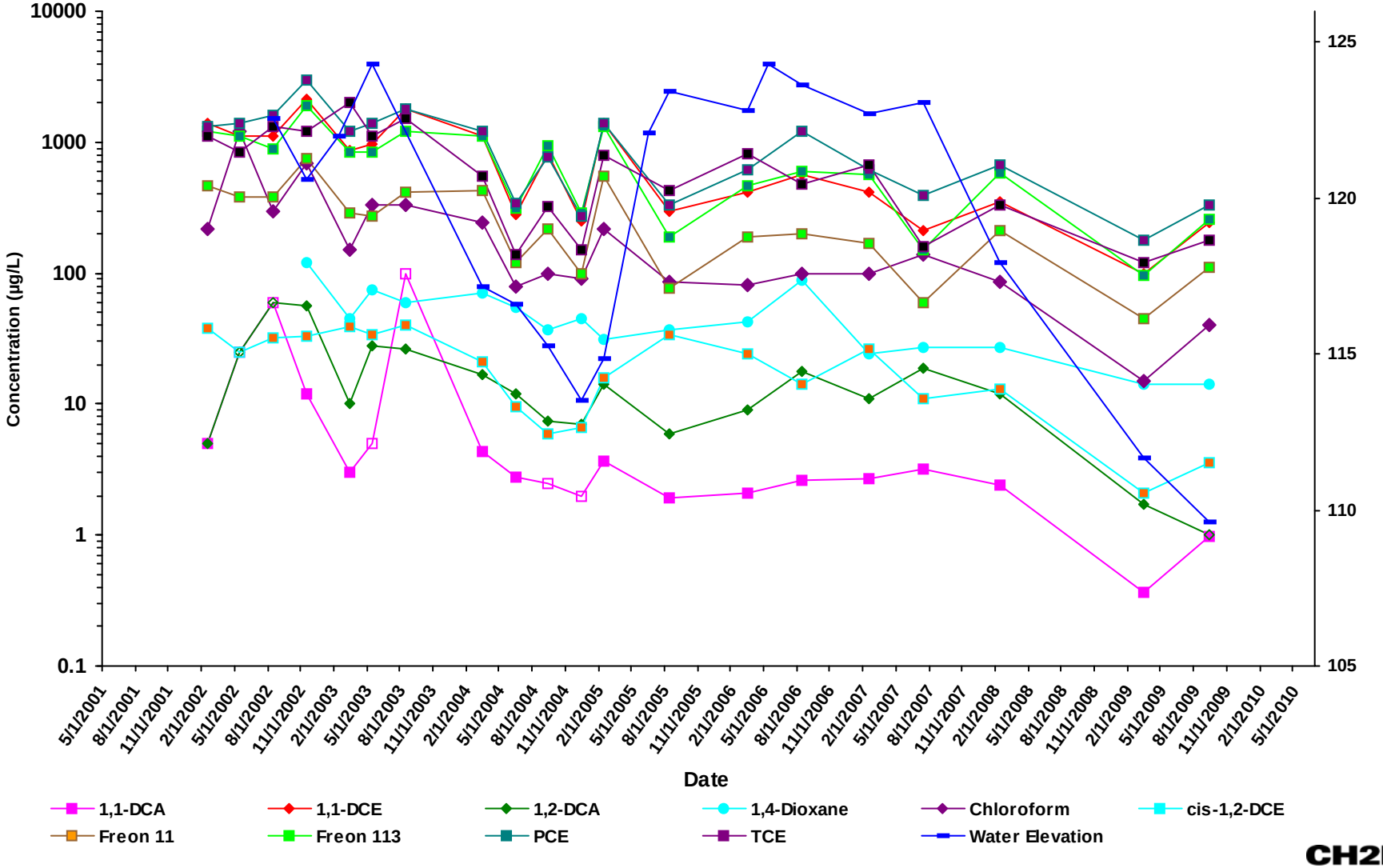
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW5

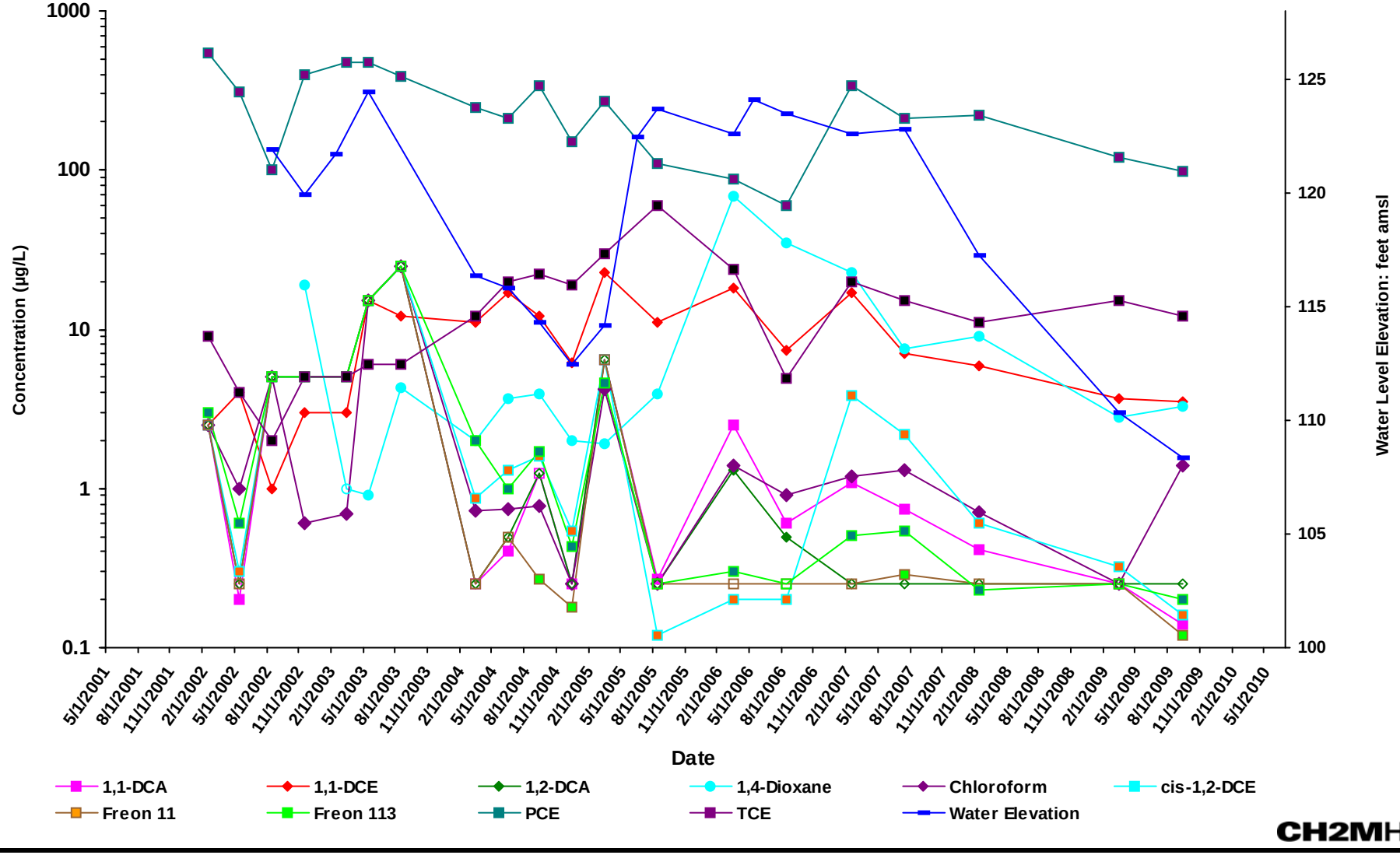


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW6



CH2MHILL

Notes:

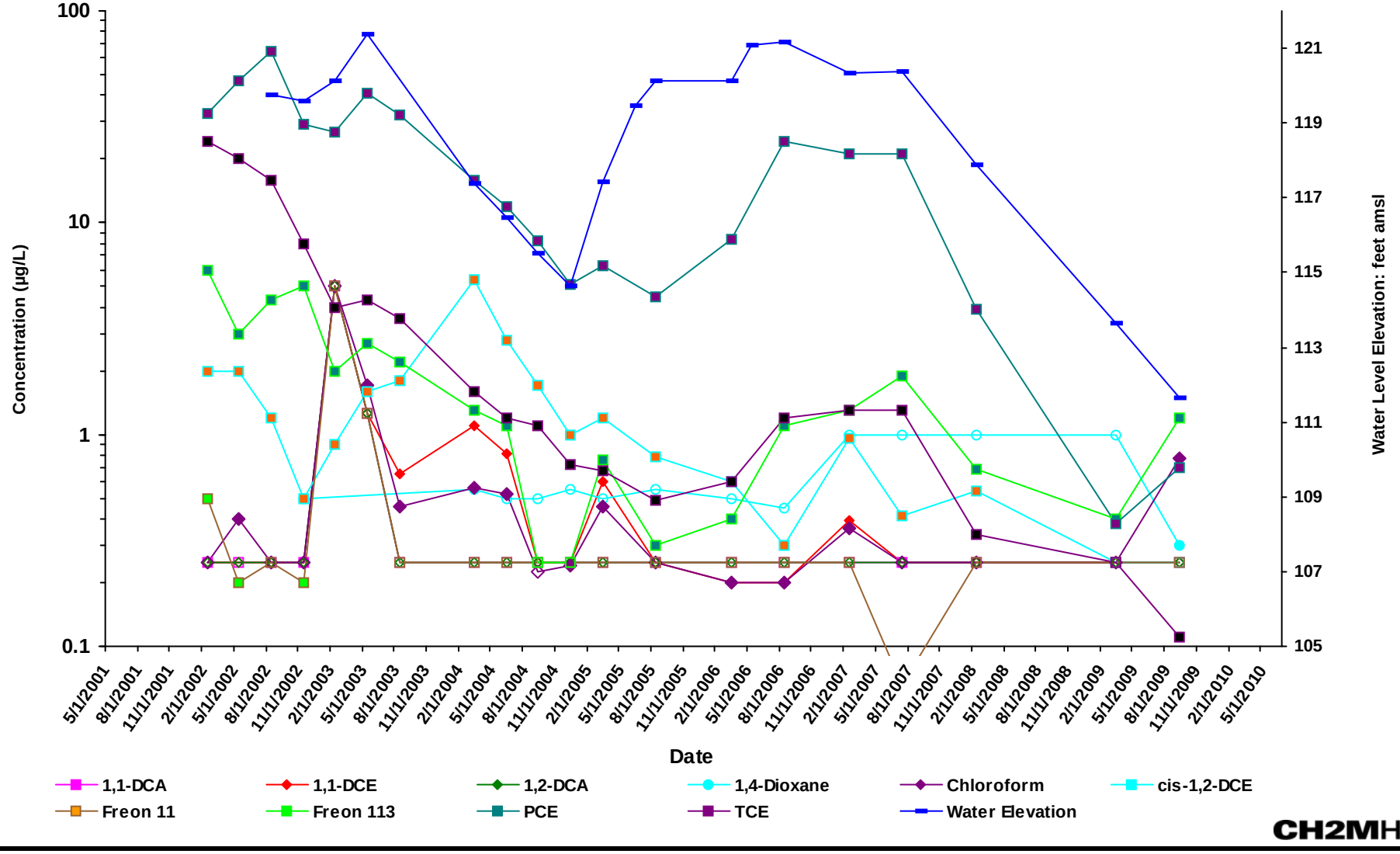
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW7



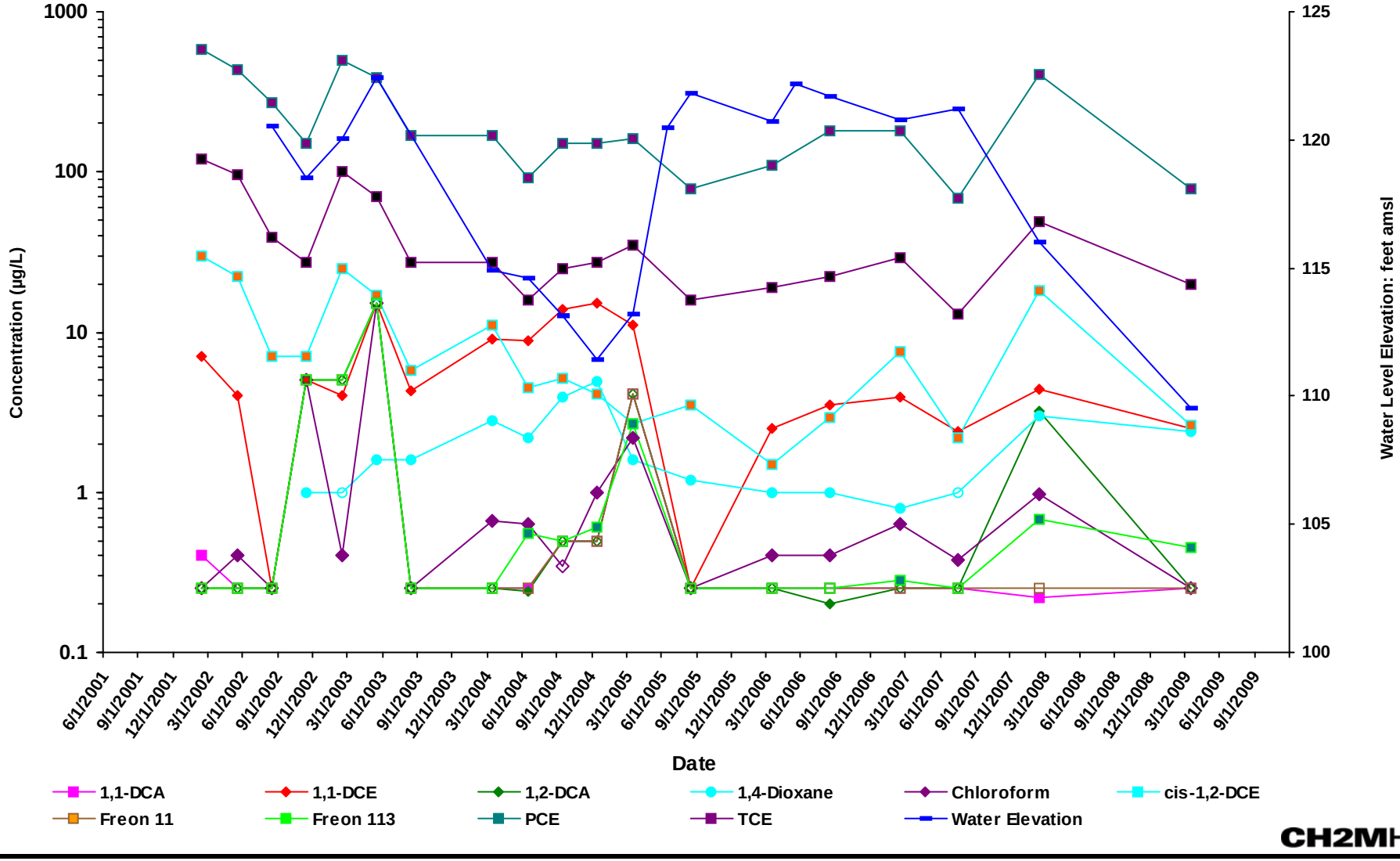
CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane
1,1-DCE: 1,1-Dichloroethene
1,2-DCA: 1,2-Dichloroethane
1,4-Dioxane: 1,4-Dioxane (p-dioxane)
cis-1,2-DCE: cis-1,2-Dichloroethene
Freon 11: Trichlorofluoromethane
Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane
PCE: Tetrachloroethene
TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW8A

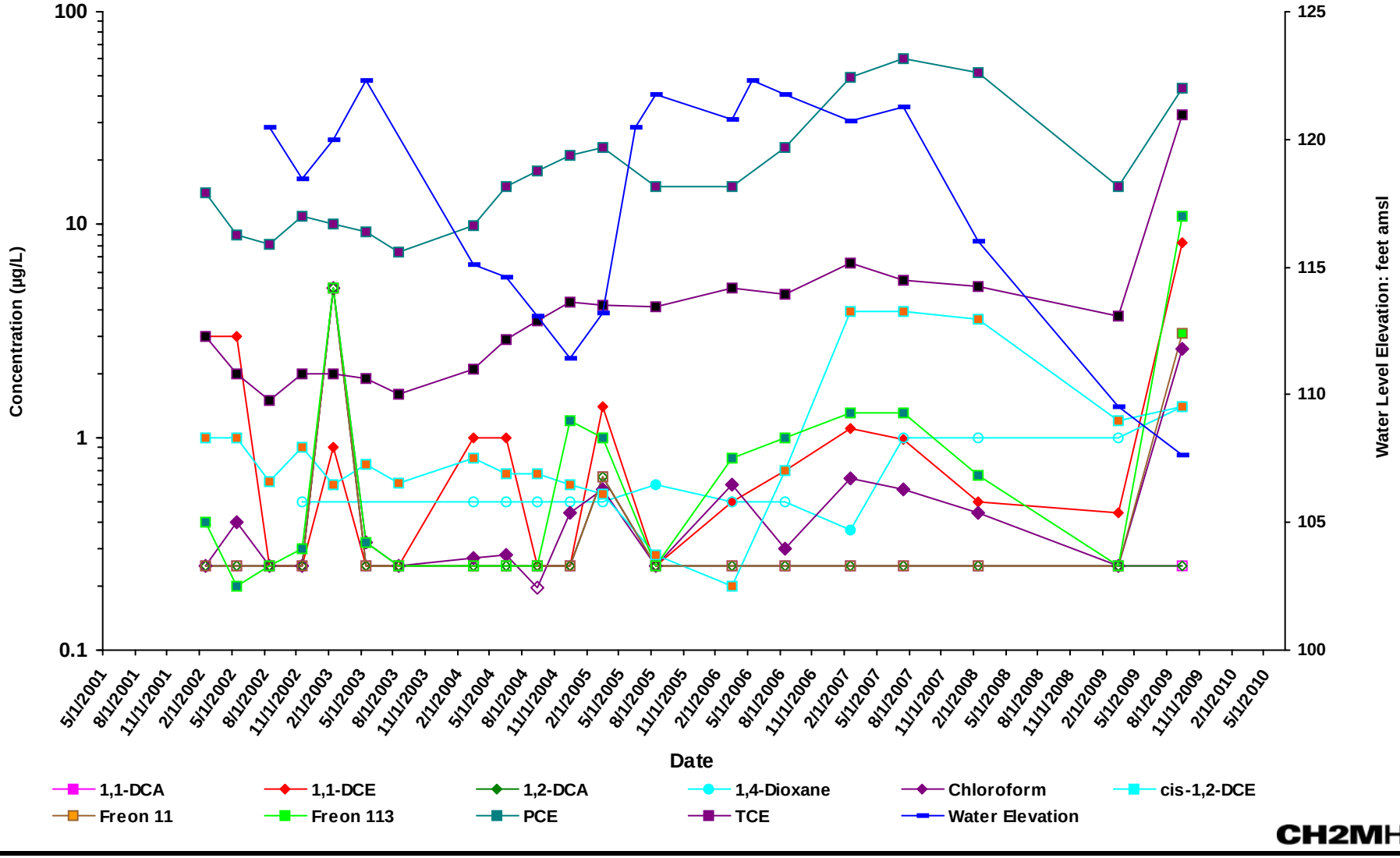


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW8B



CH2MHILL

Notes:

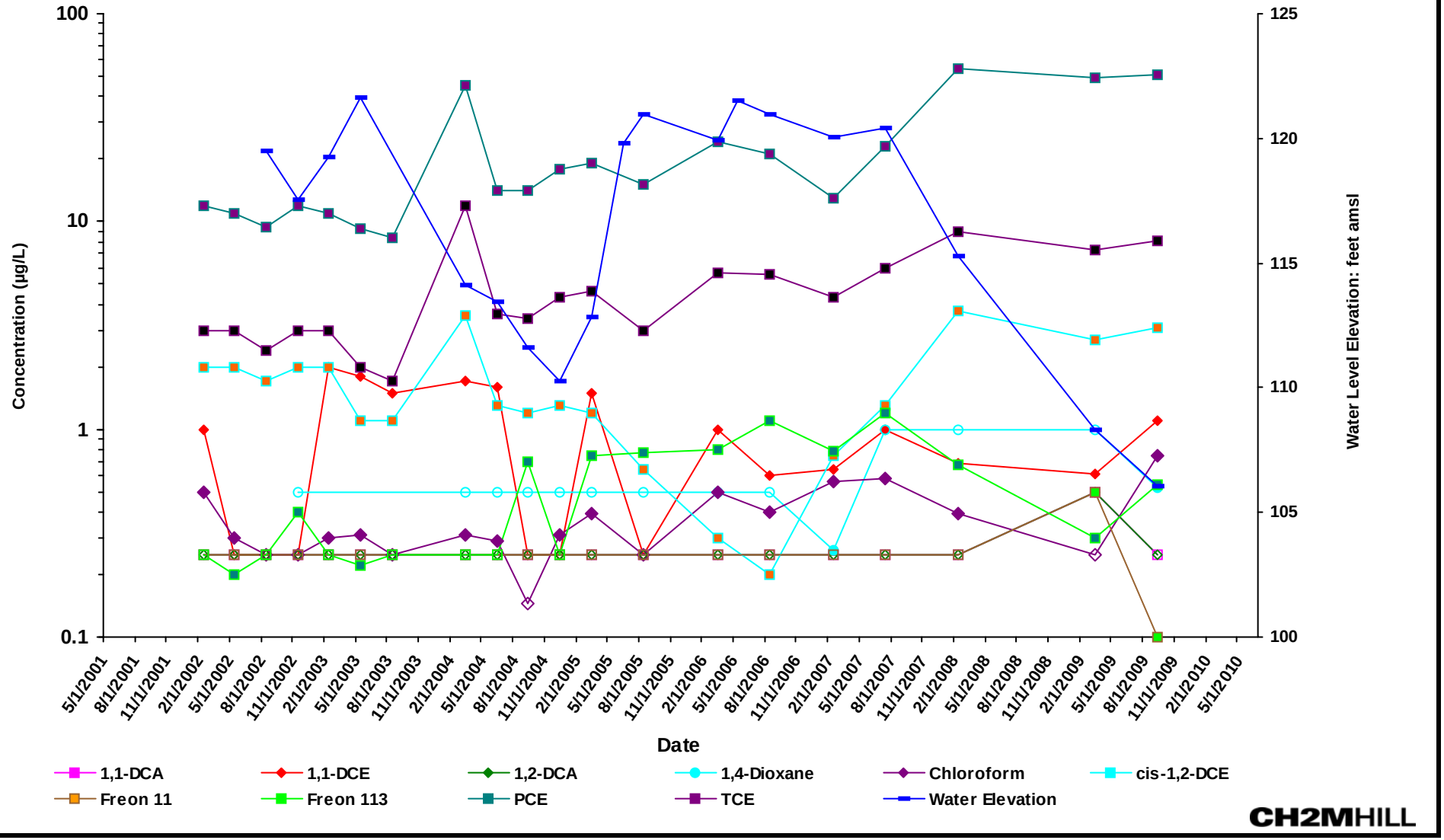
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW8C



CH2MHILL

Notes:

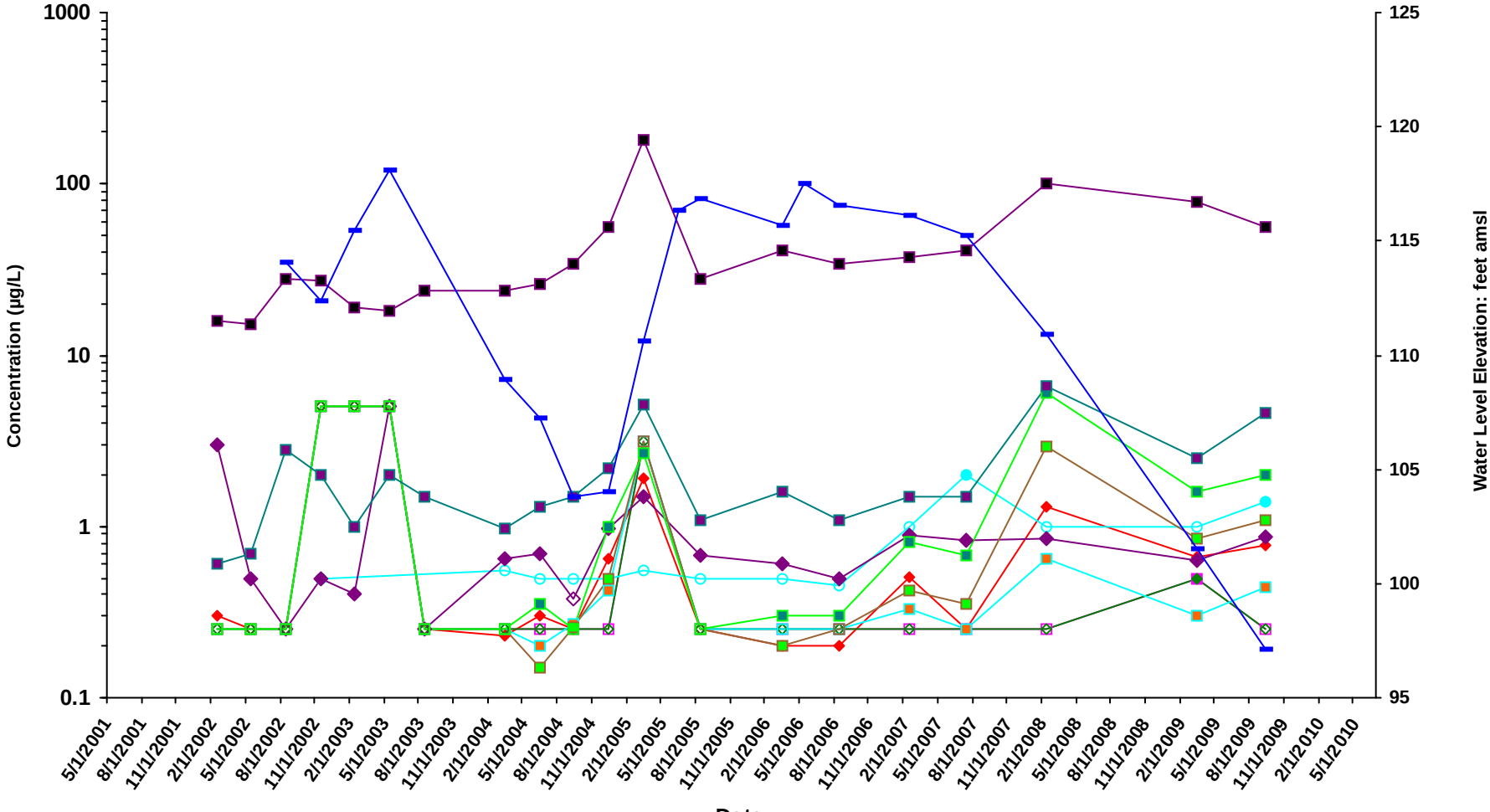
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW8D

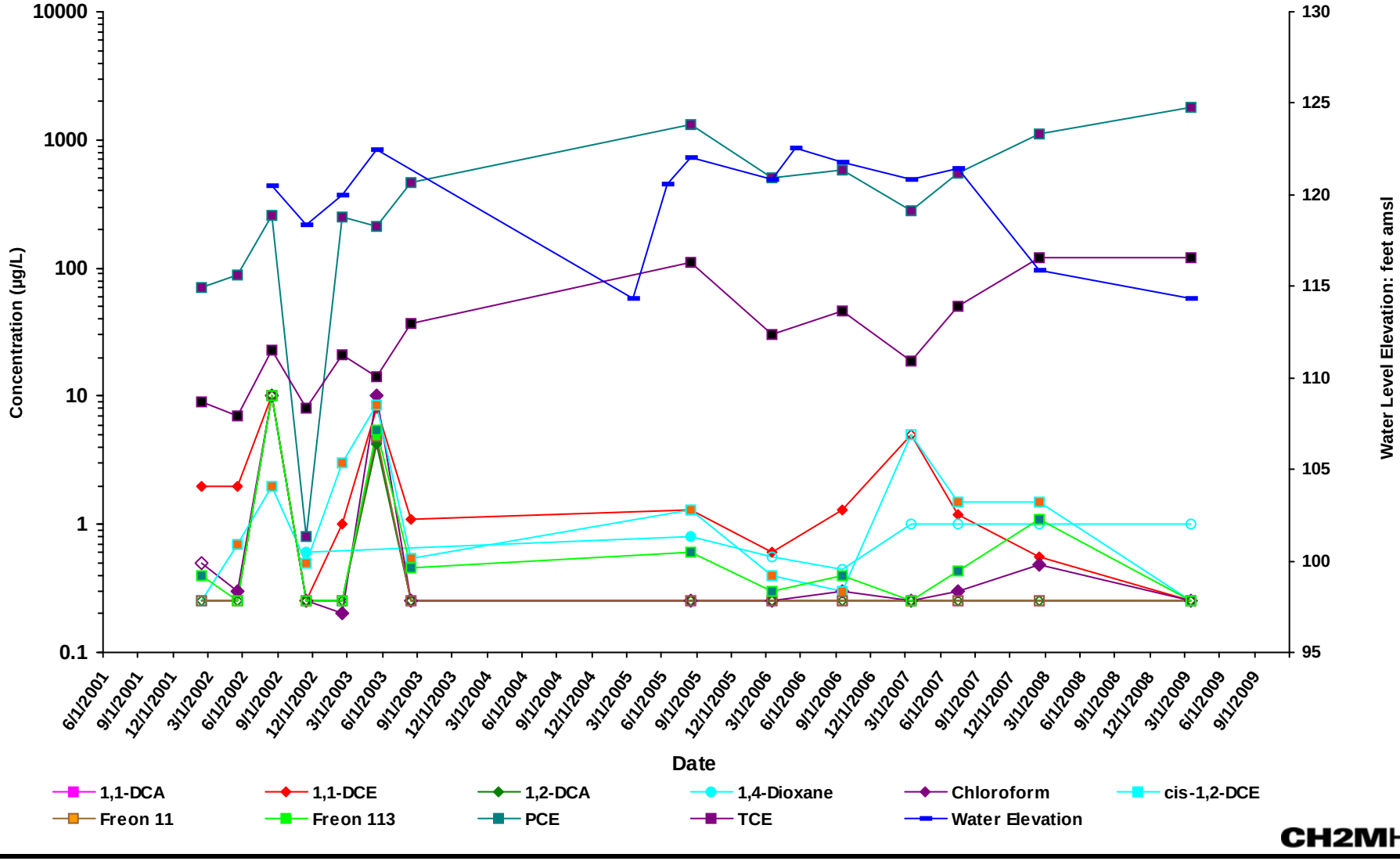


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW9A



CH2MHILL

Notes:

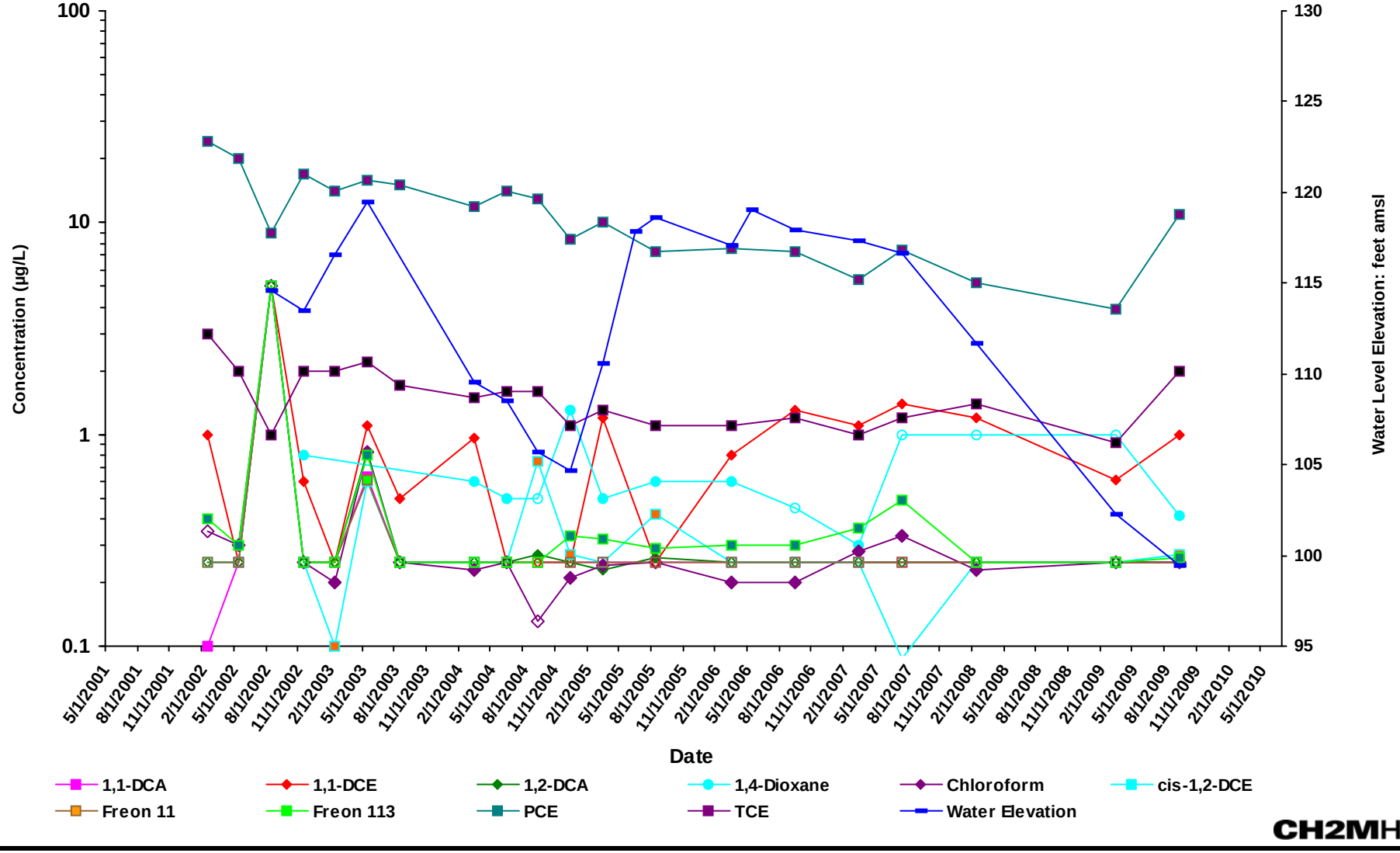
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW9B



CH2MHILL

Notes:

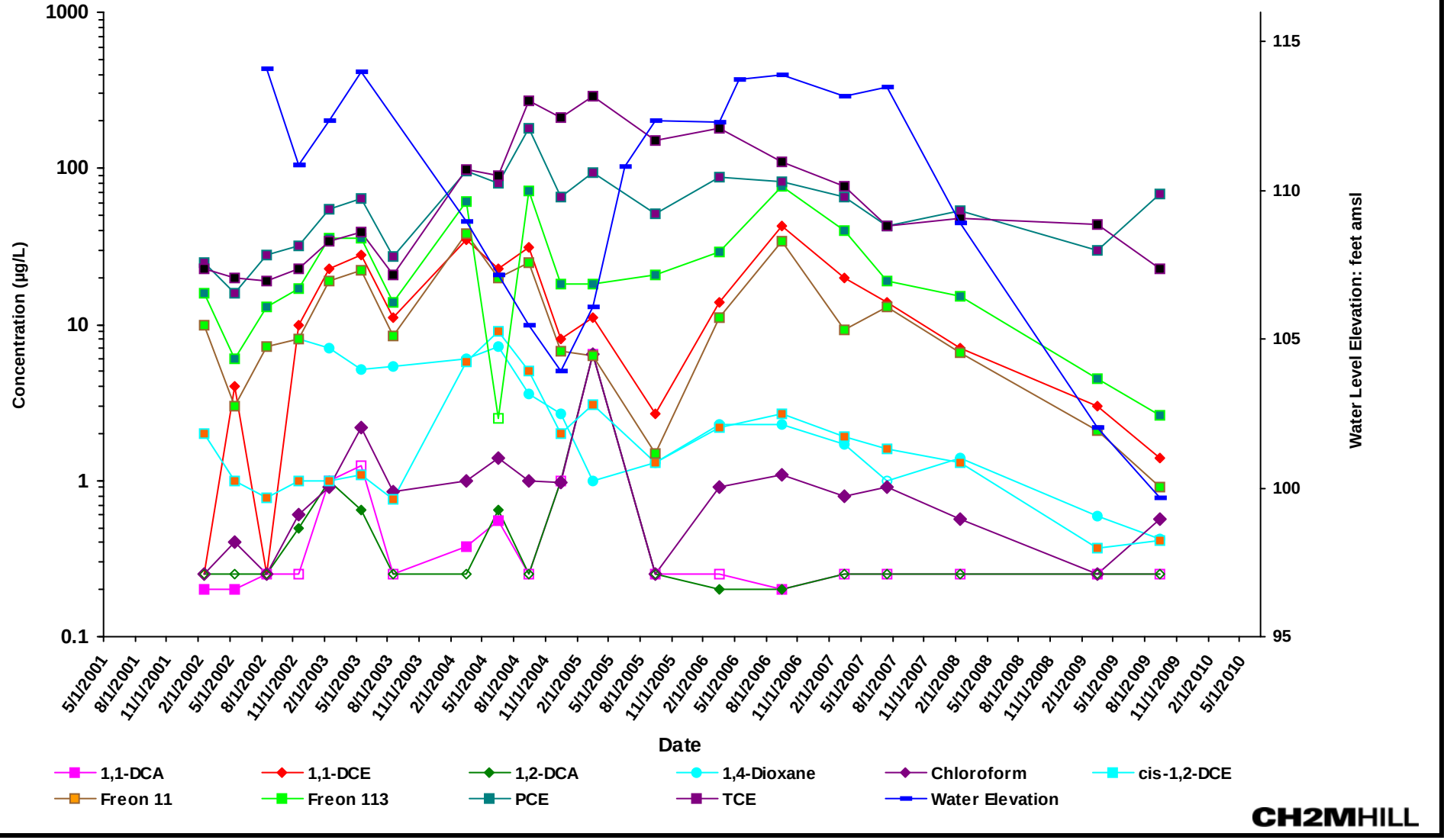
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW10



CH2MHILL

Notes:

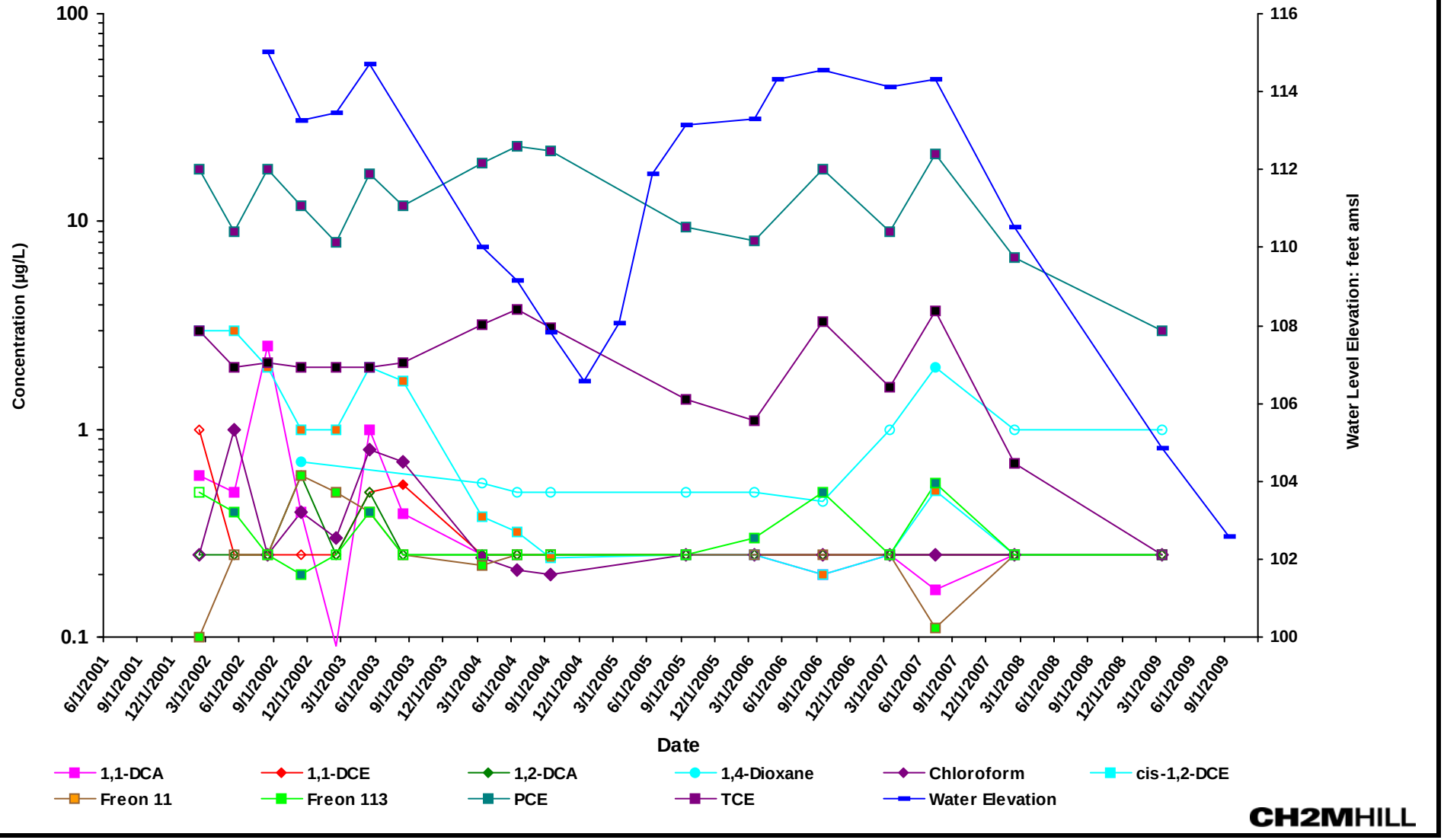
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW11

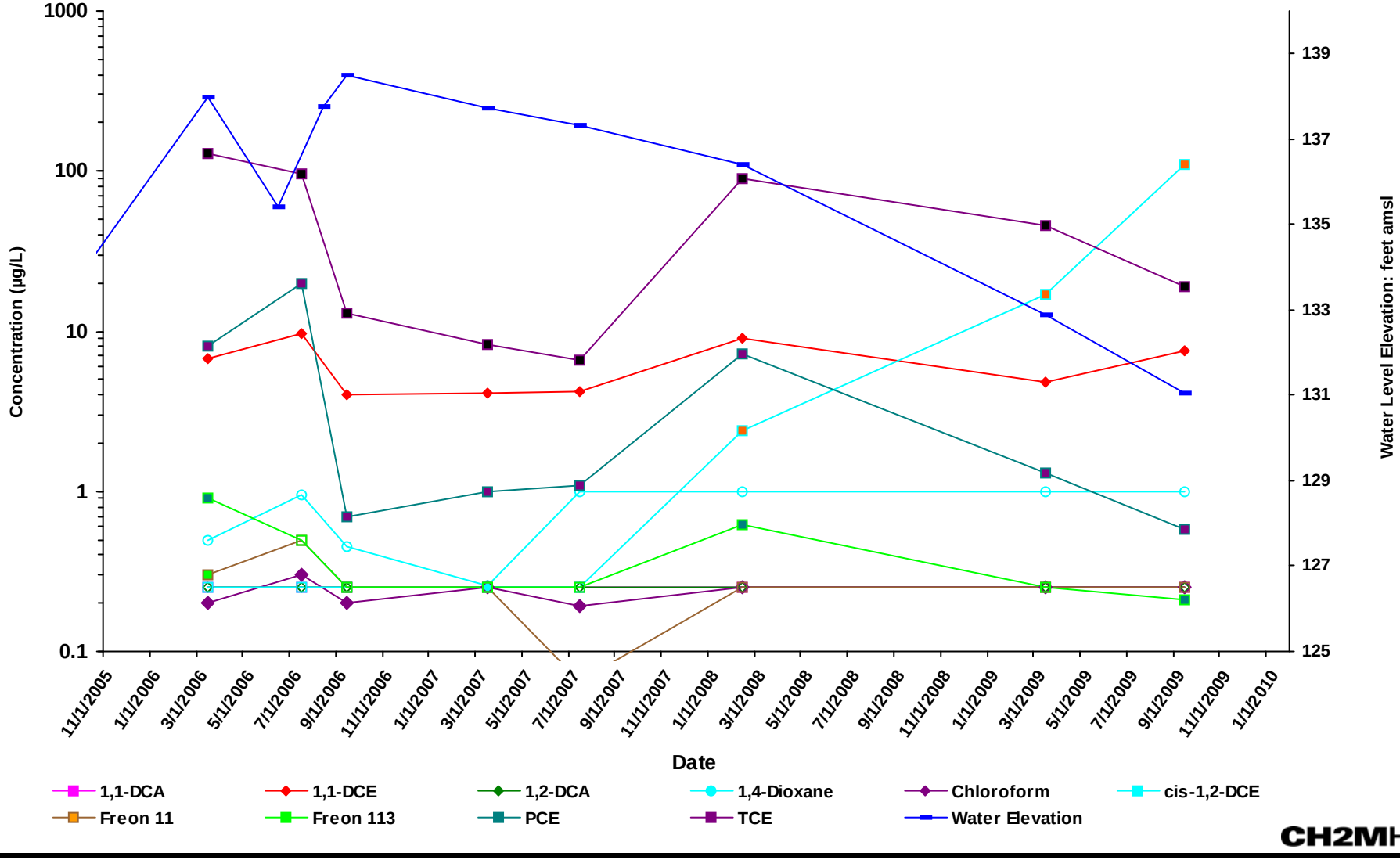


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW12

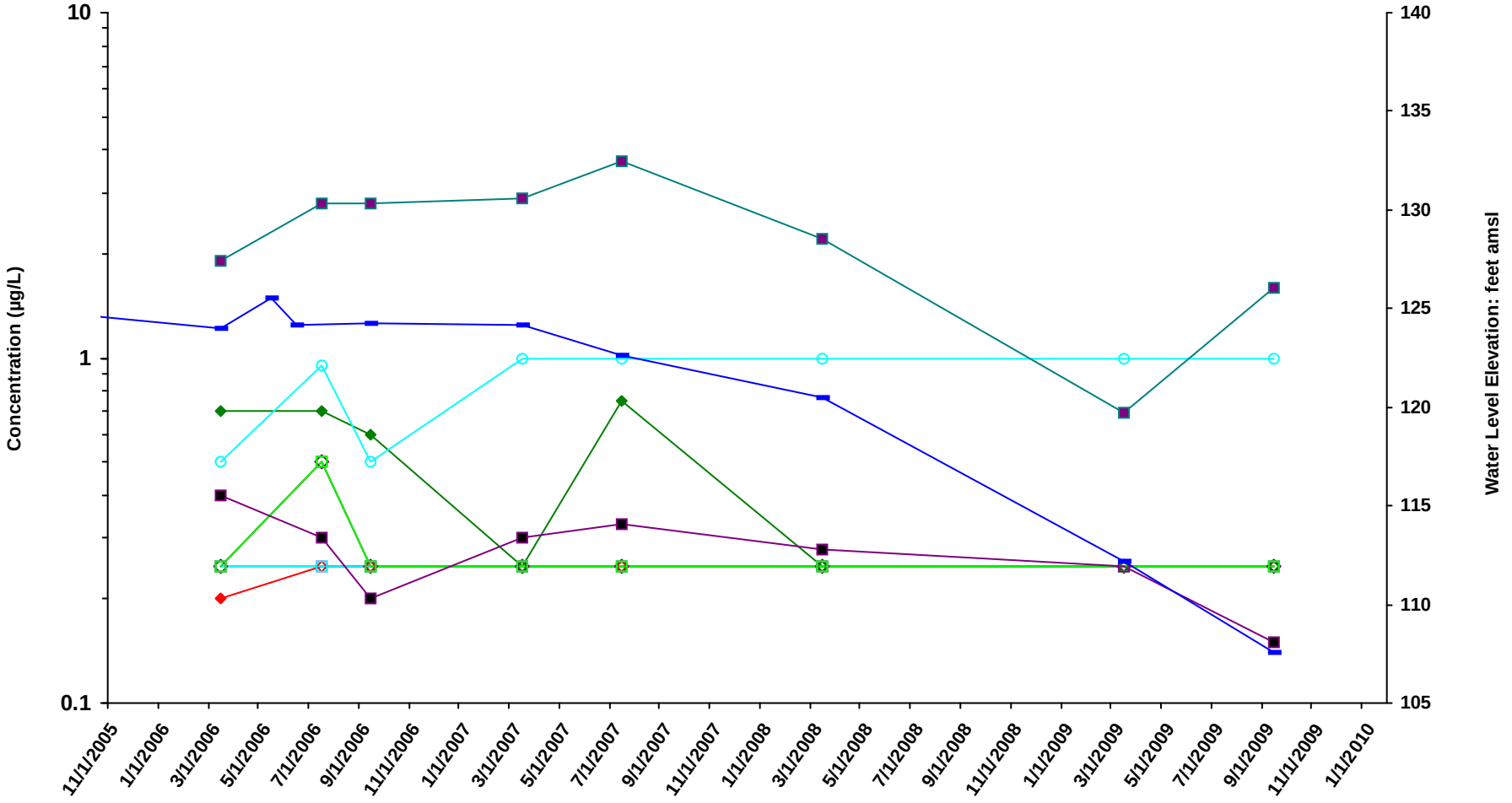


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW13B

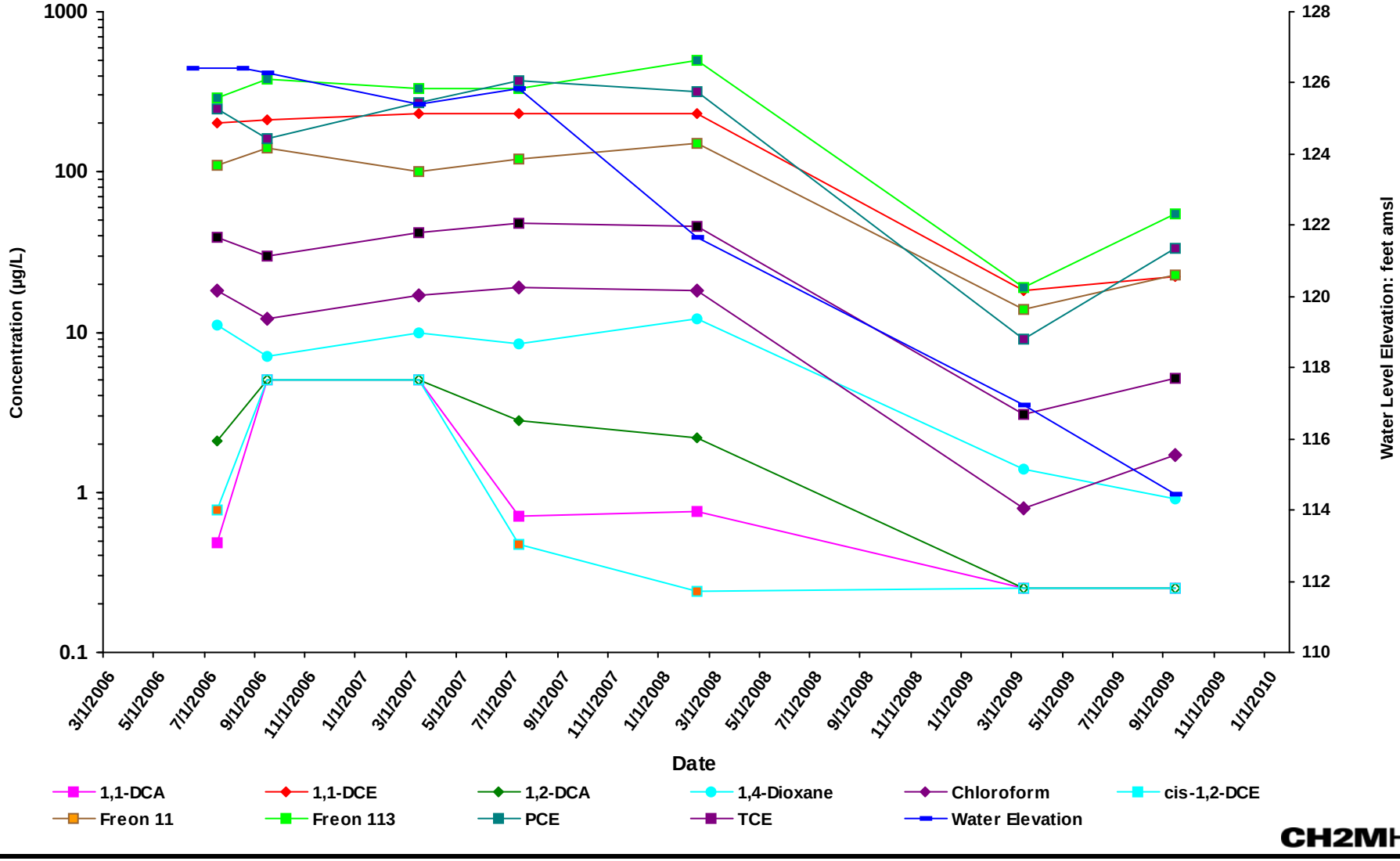


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW14

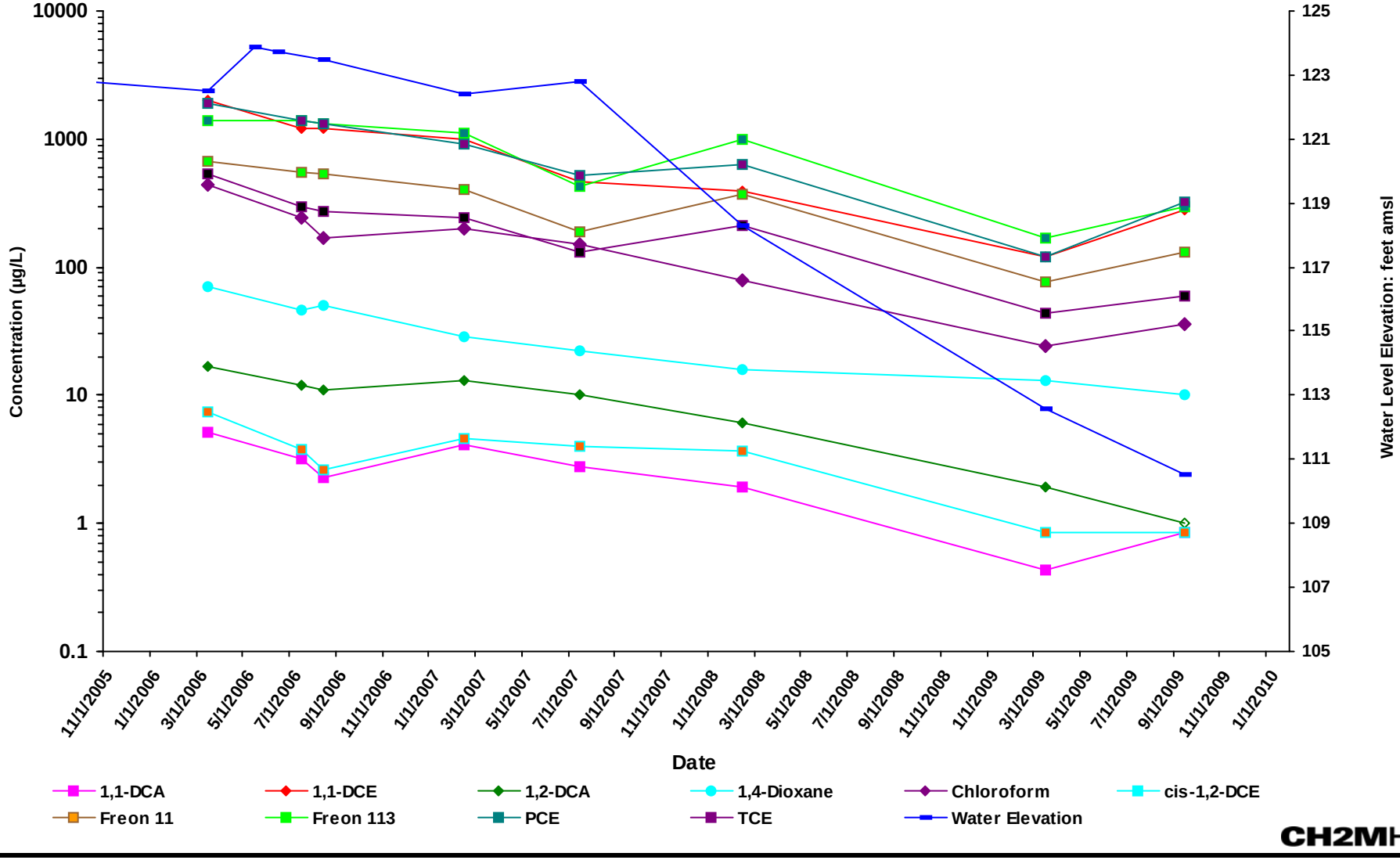


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

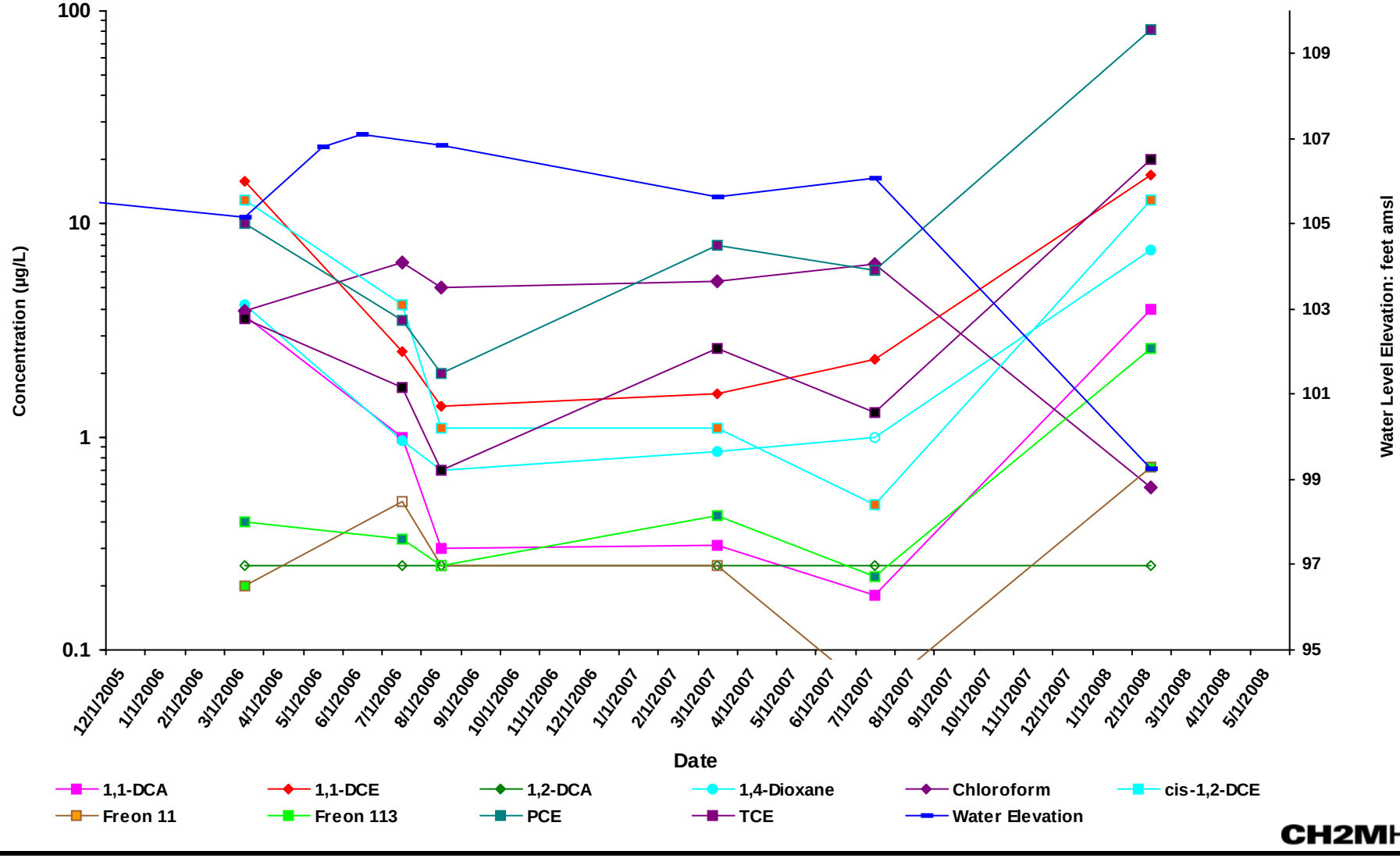
Omega Chemical Superfund Site
MW15



Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW16A



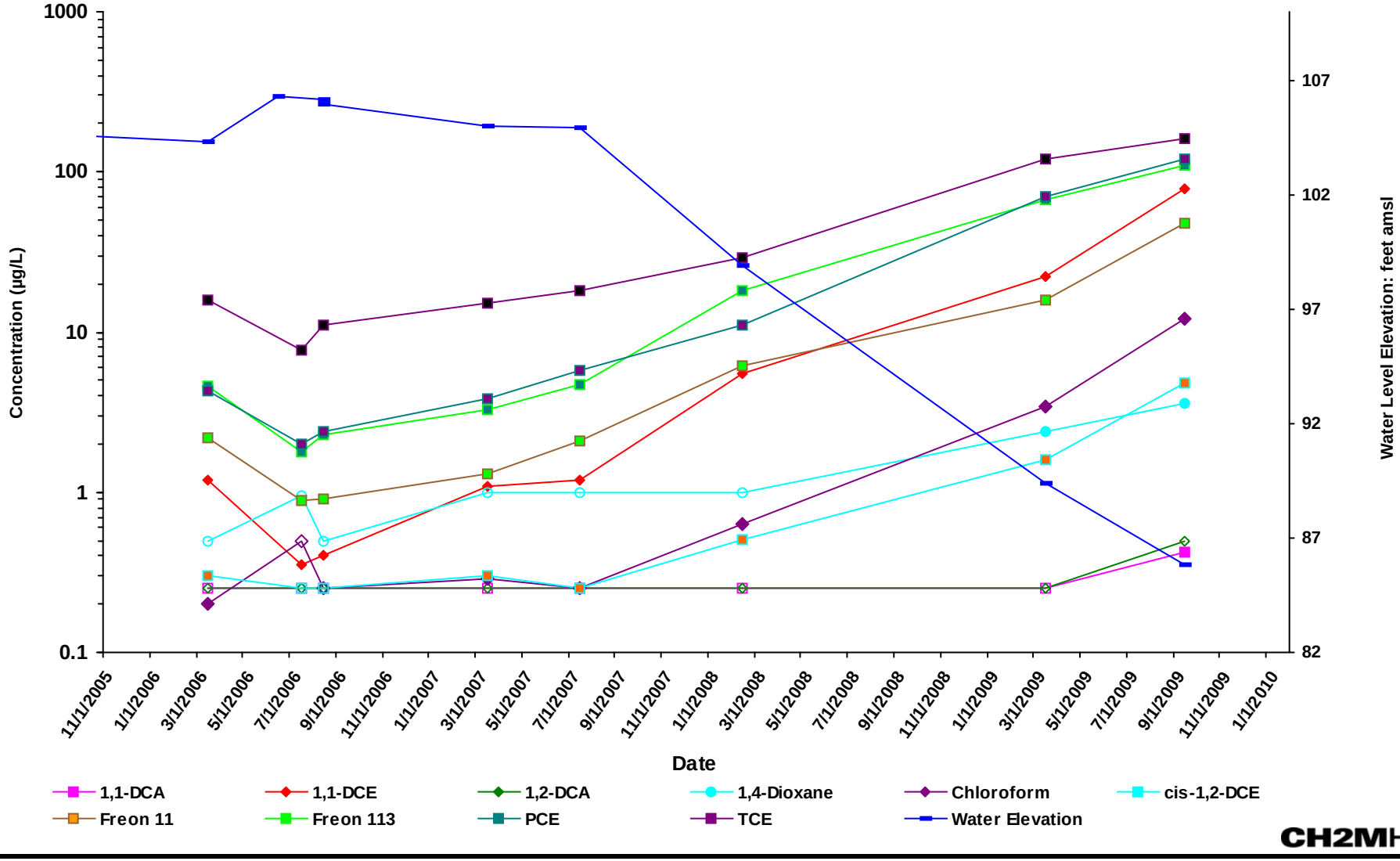
CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane
1,1-DCE: 1,1-Dichloroethene
1,2-DCA: 1,2-Dichloroethane
1,4-Dioxane: 1,4-Dioxane (p-dioxane)
cis-1,2-DCE: cis-1,2-Dichloroethene
Freon 11: Trichlorofluoromethane
Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane
PCE: Tetrachloroethene
TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

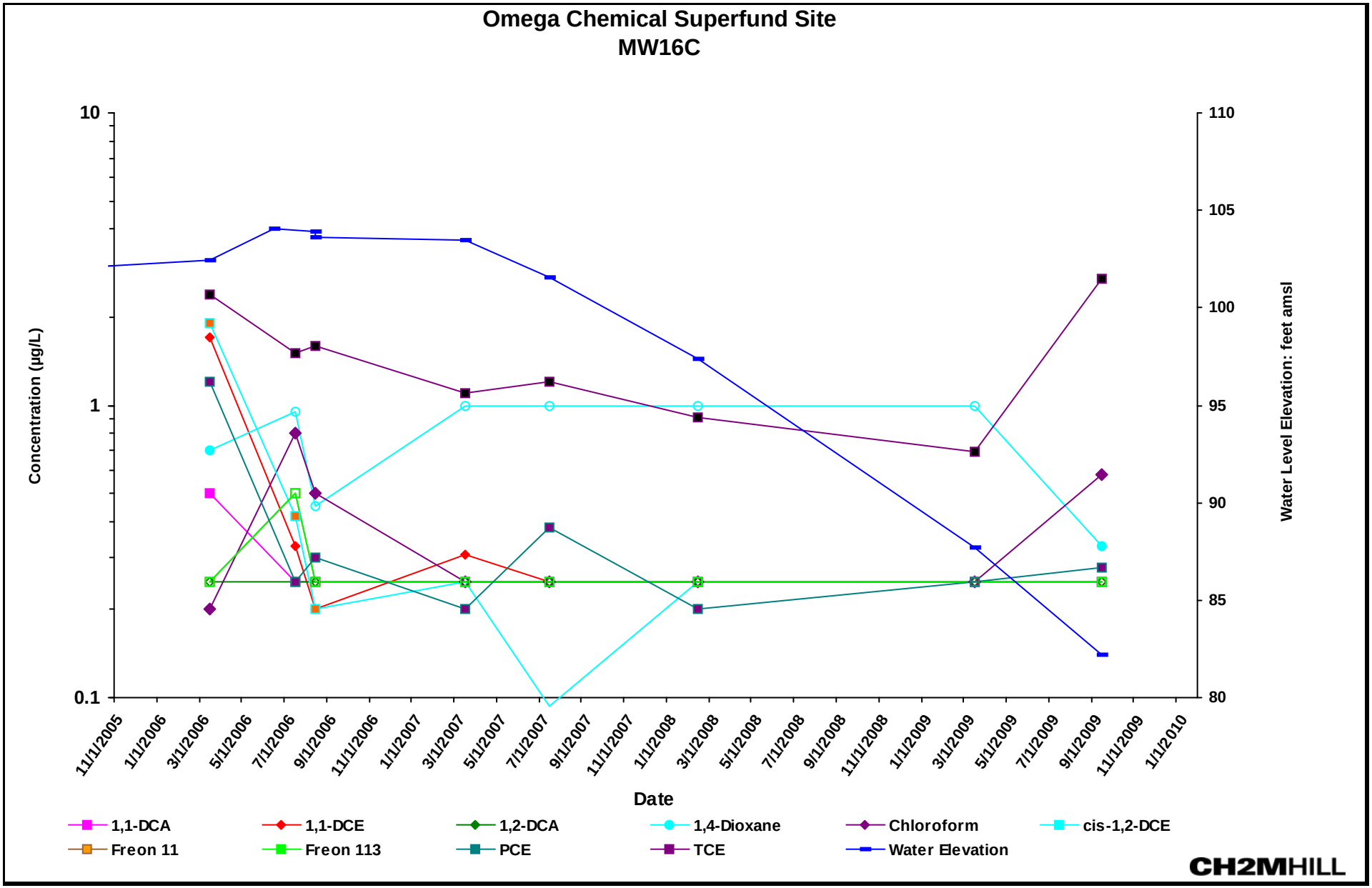
Omega Chemical Superfund Site
MW16B



Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

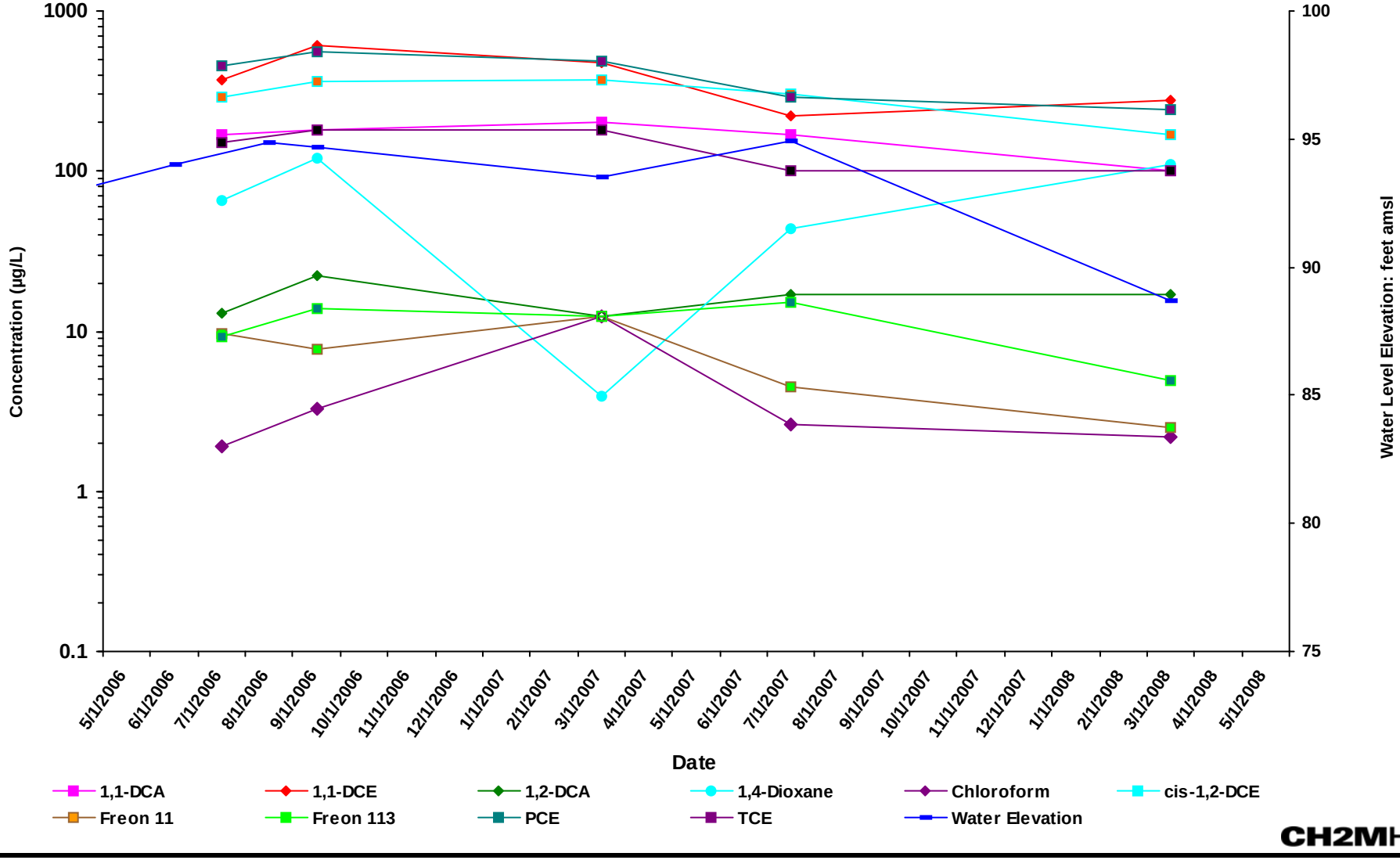
Omega Chemical Superfund Site
MW16C



Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW17A



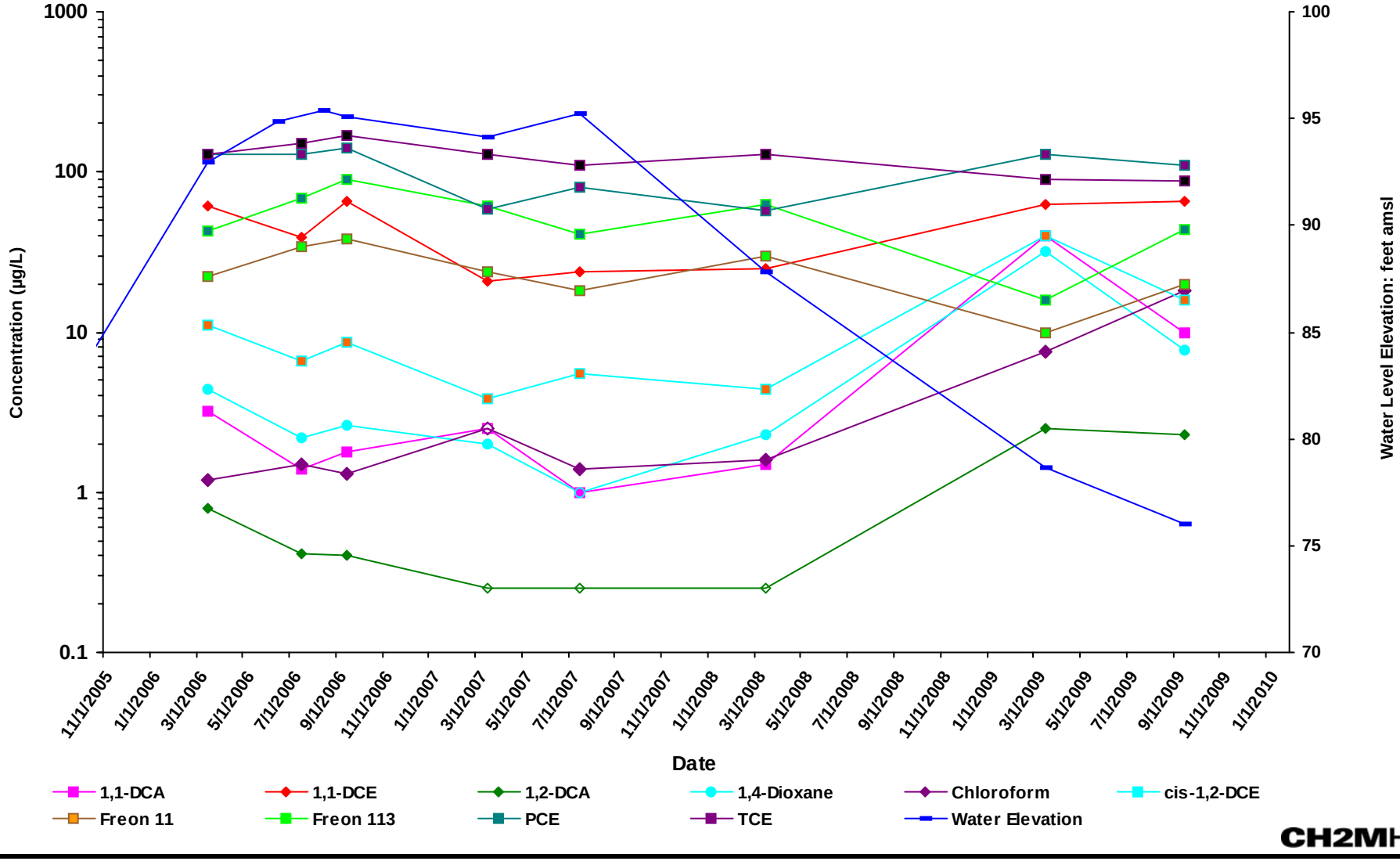
CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane
1,1-DCE: 1,1-Dichloroethene
1,2-DCA: 1,2-Dichloroethane
1,4-Dioxane: 1,4-Dioxane (p-dioxane)
cis-1,2-DCE: cis-1,2-Dichloroethene
Freon 11: Trichlorofluoromethane
Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane
PCE: Tetrachloroethene
TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

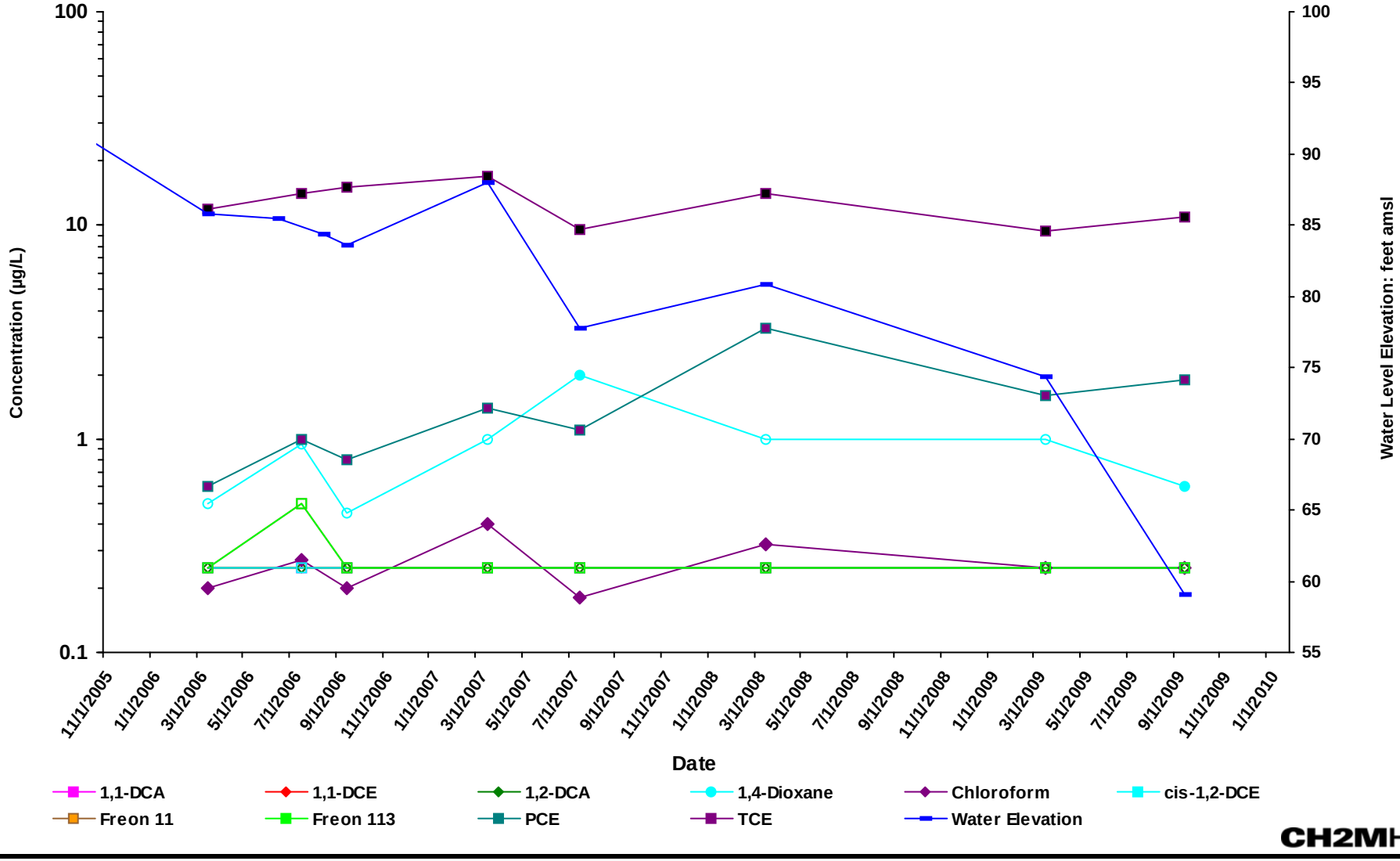
Omega Chemical Superfund Site
MW17B



Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW17C

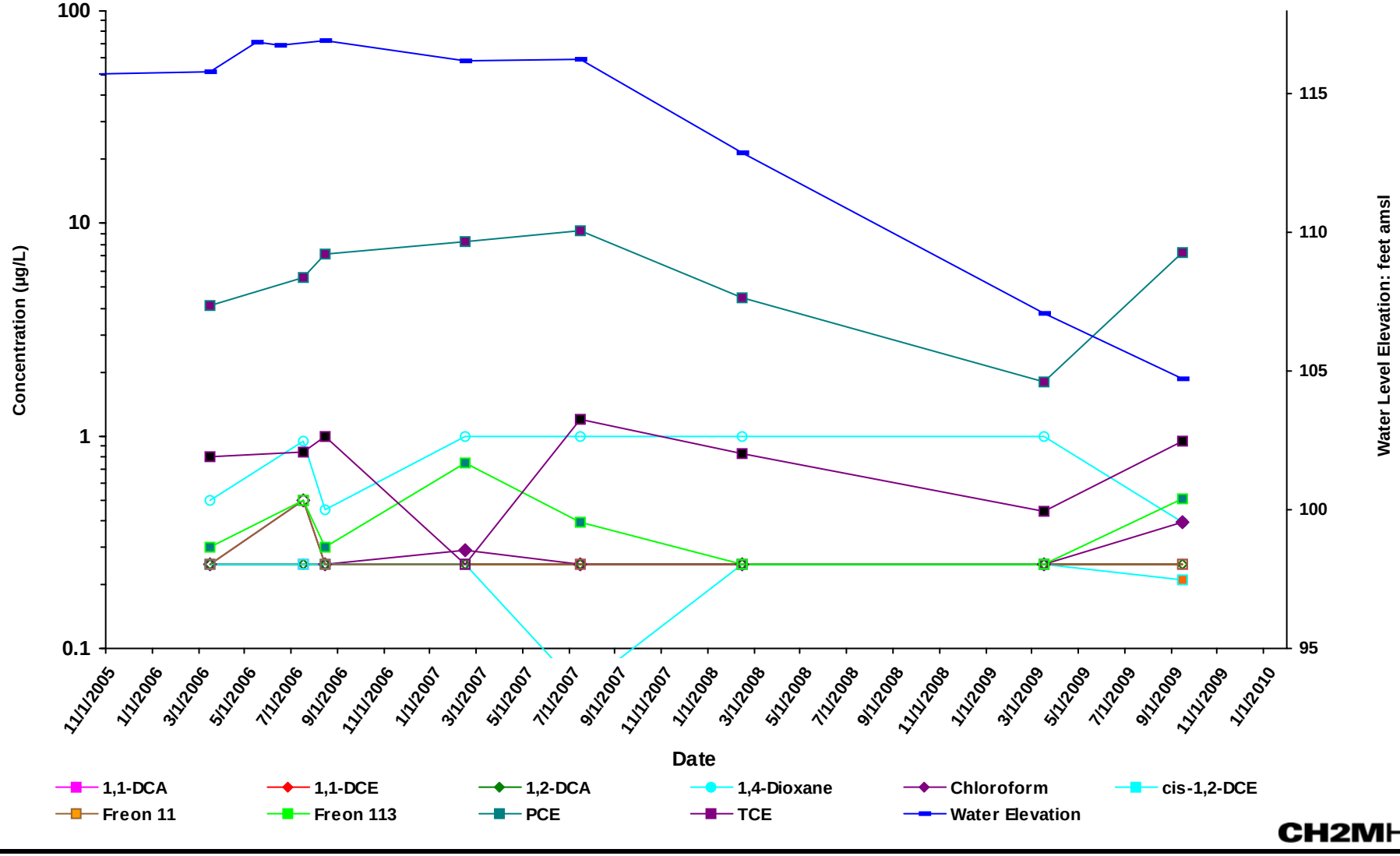


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW18A

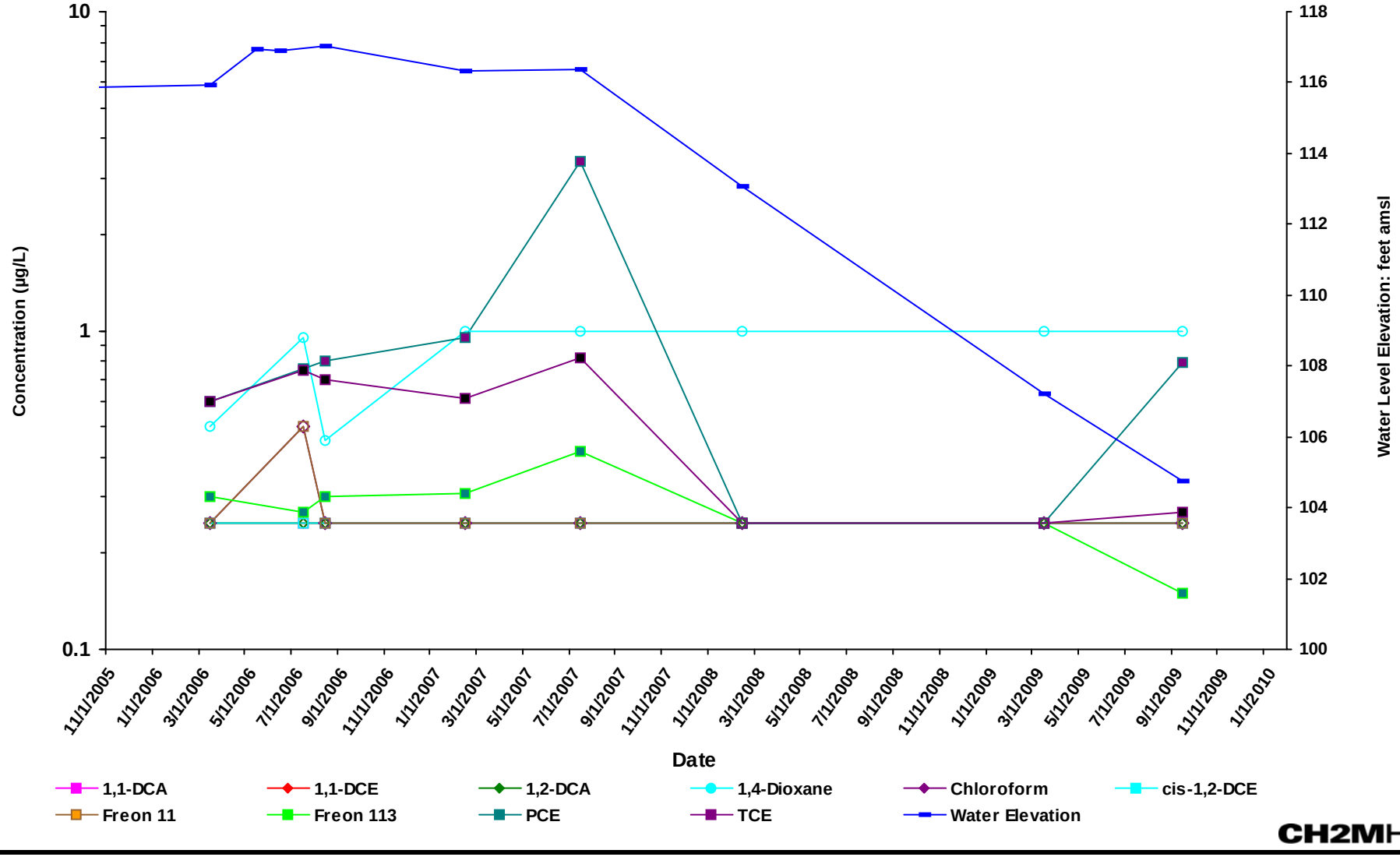


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW18B

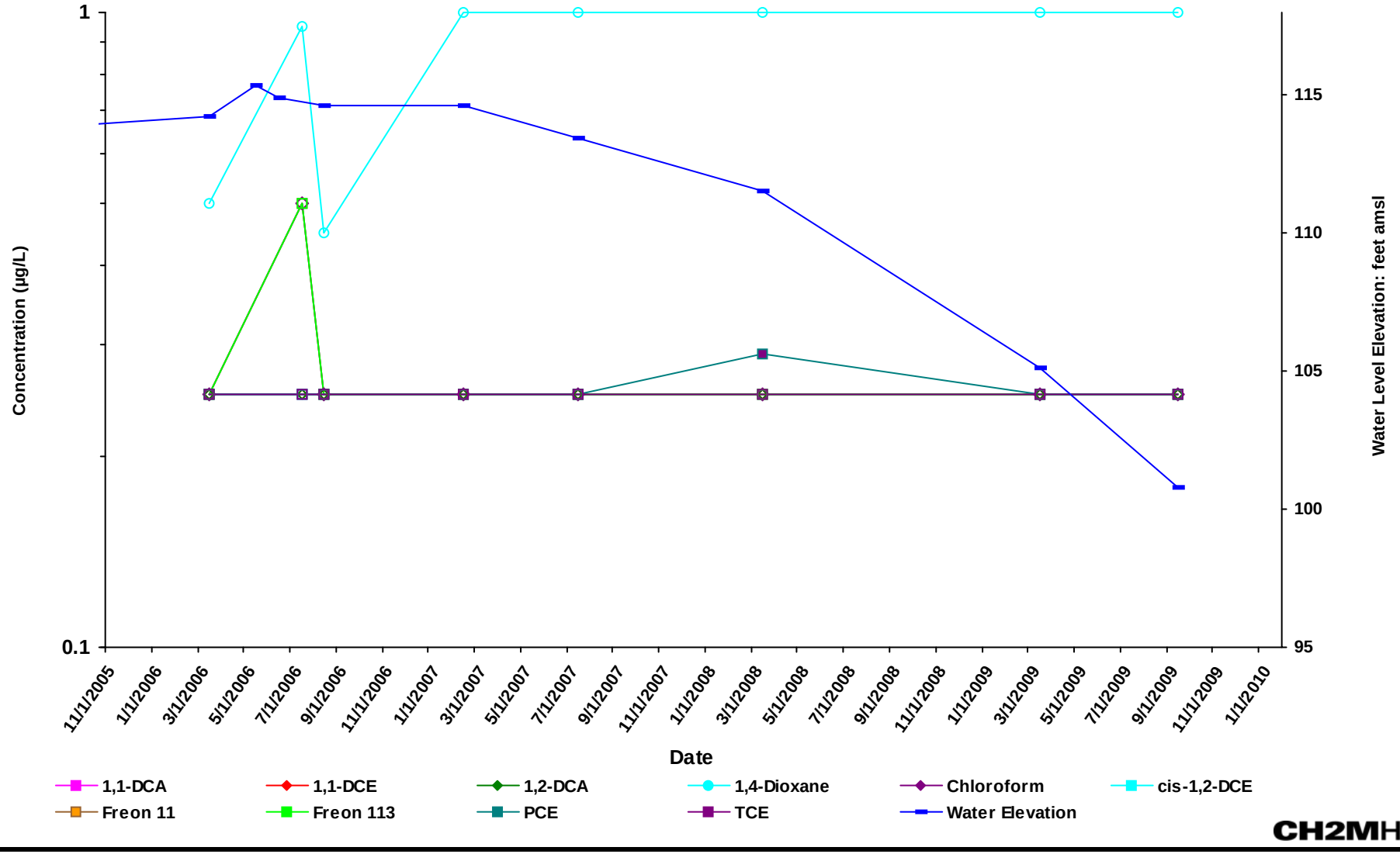


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW18C



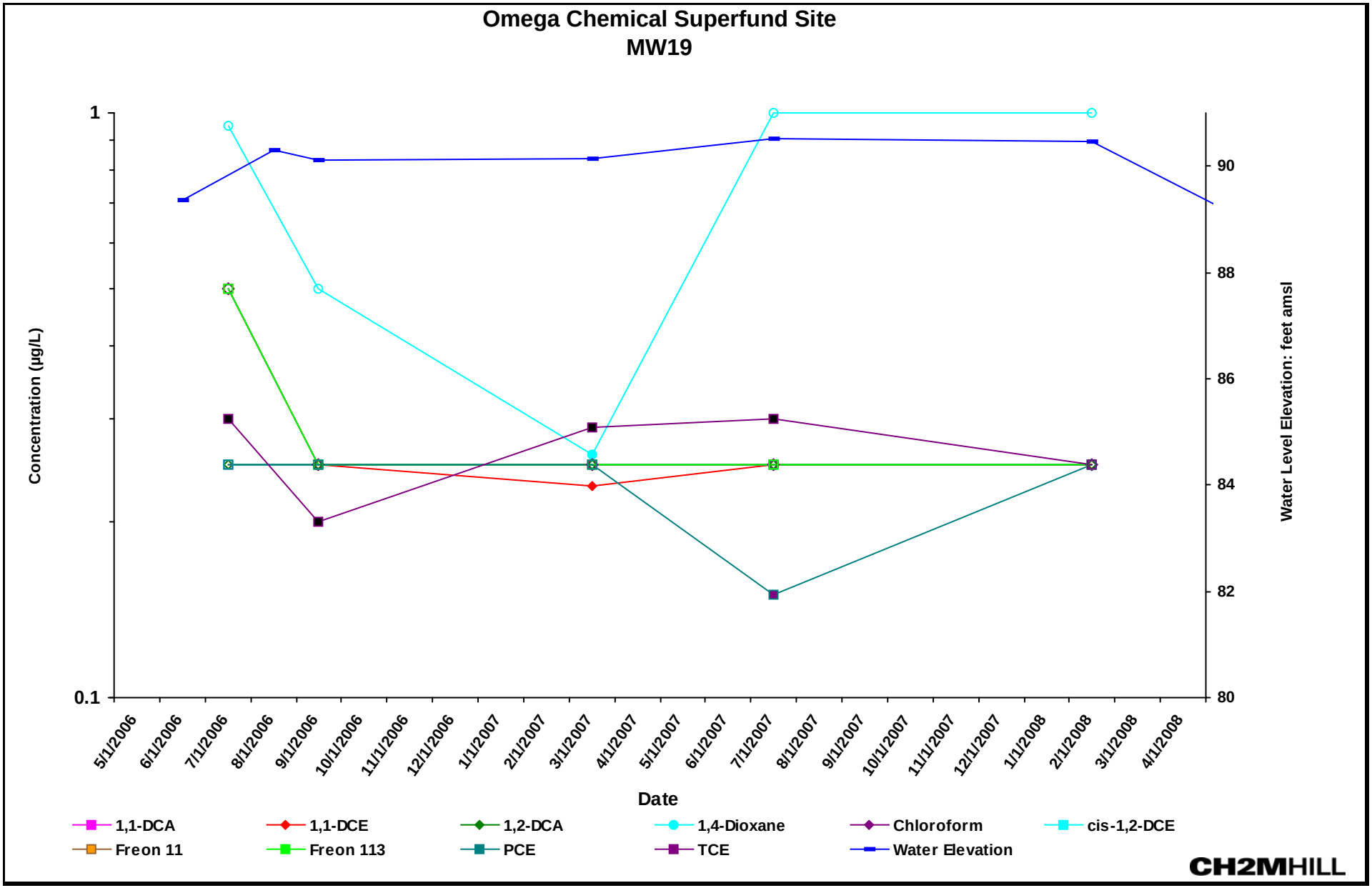
CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane
1,1-DCE: 1,1-Dichloroethene
1,2-DCA: 1,2-Dichloroethane
1,4-Dioxane: 1,4-Dioxane (p-dioxane)
cis-1,2-DCE: cis-1,2-Dichloroethene
Freon 11: Trichlorofluoromethane
Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane
PCE: Tetrachloroethene
TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

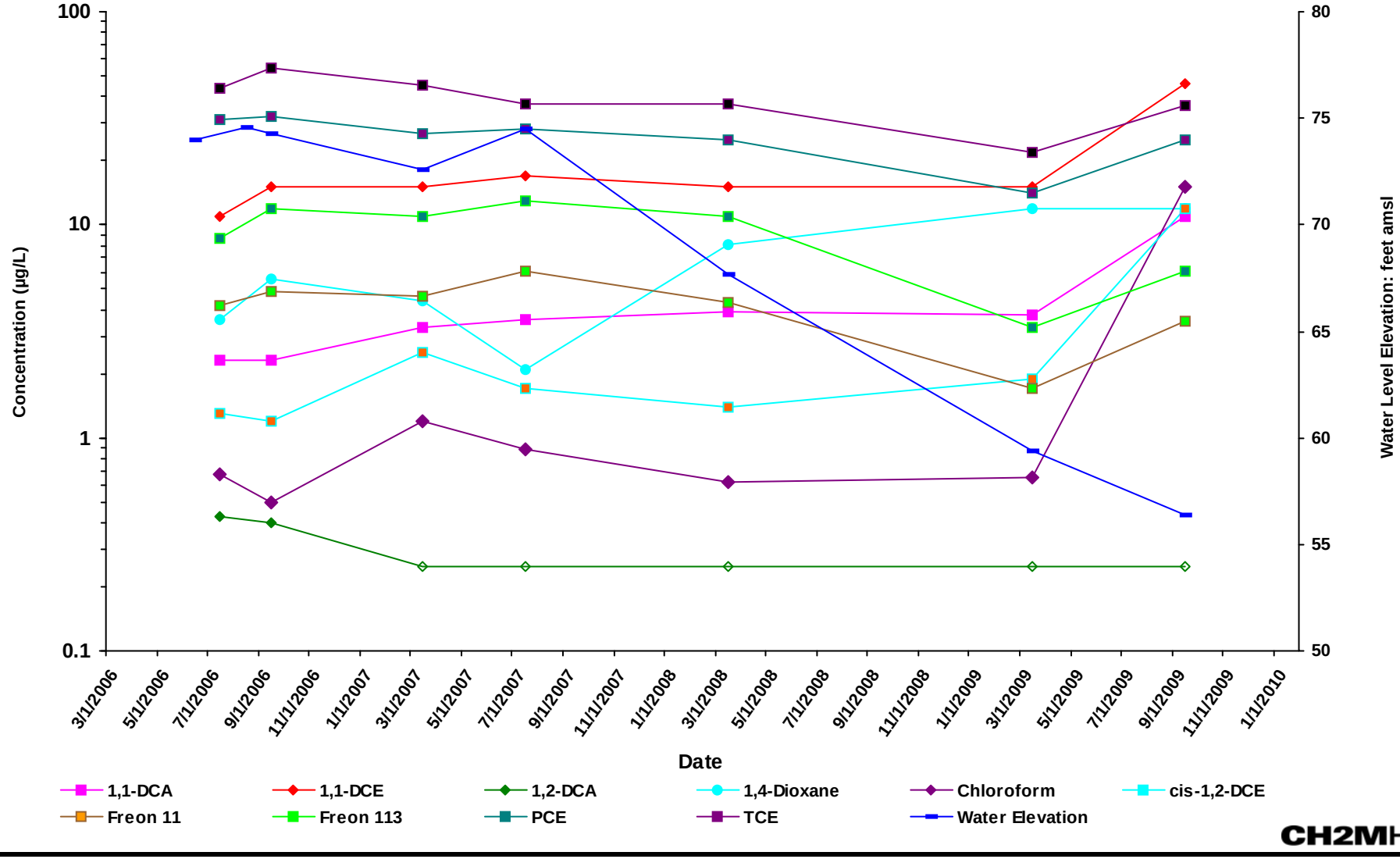
Omega Chemical Superfund Site
MW19



Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW20A

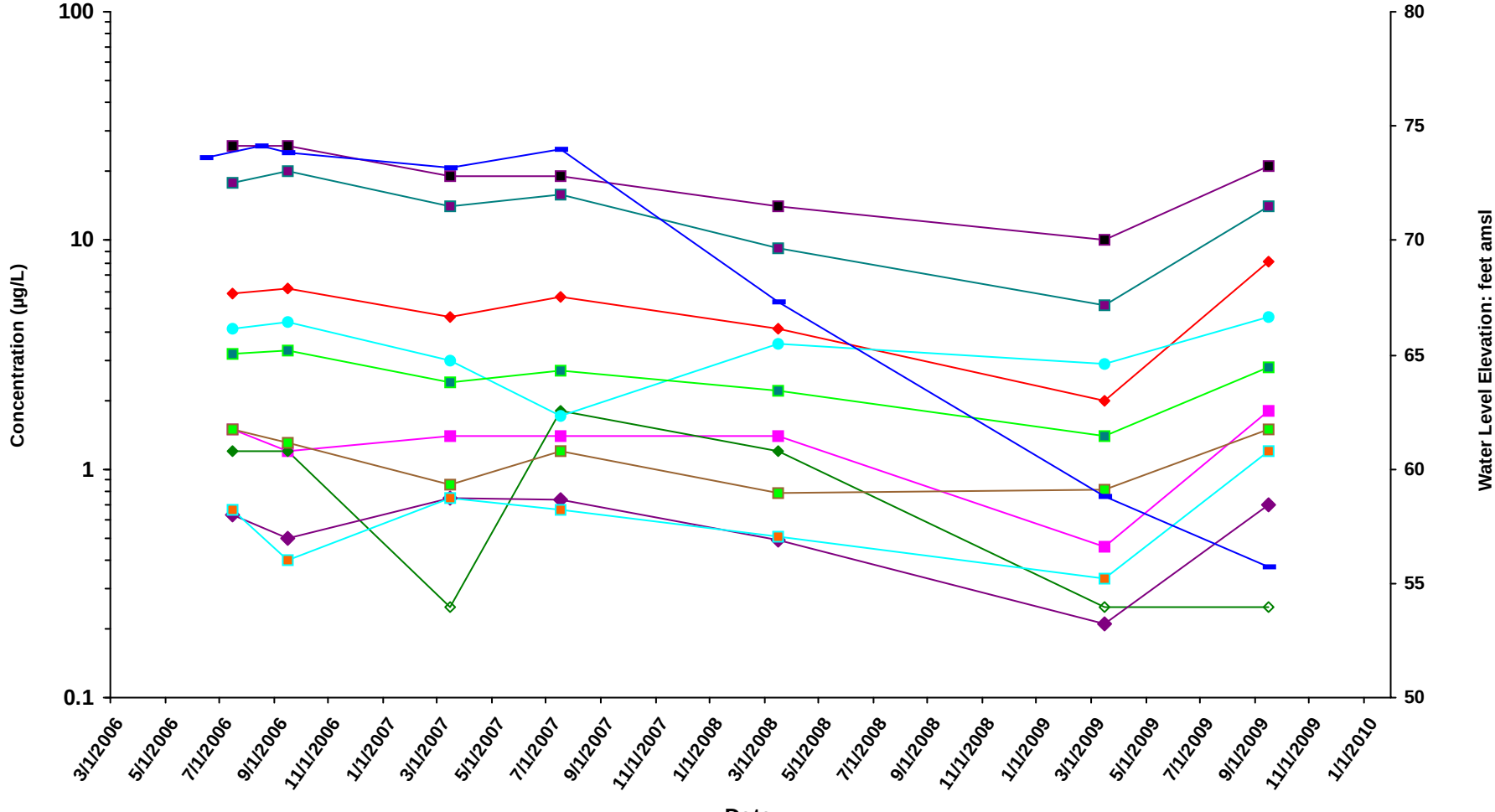


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW20B

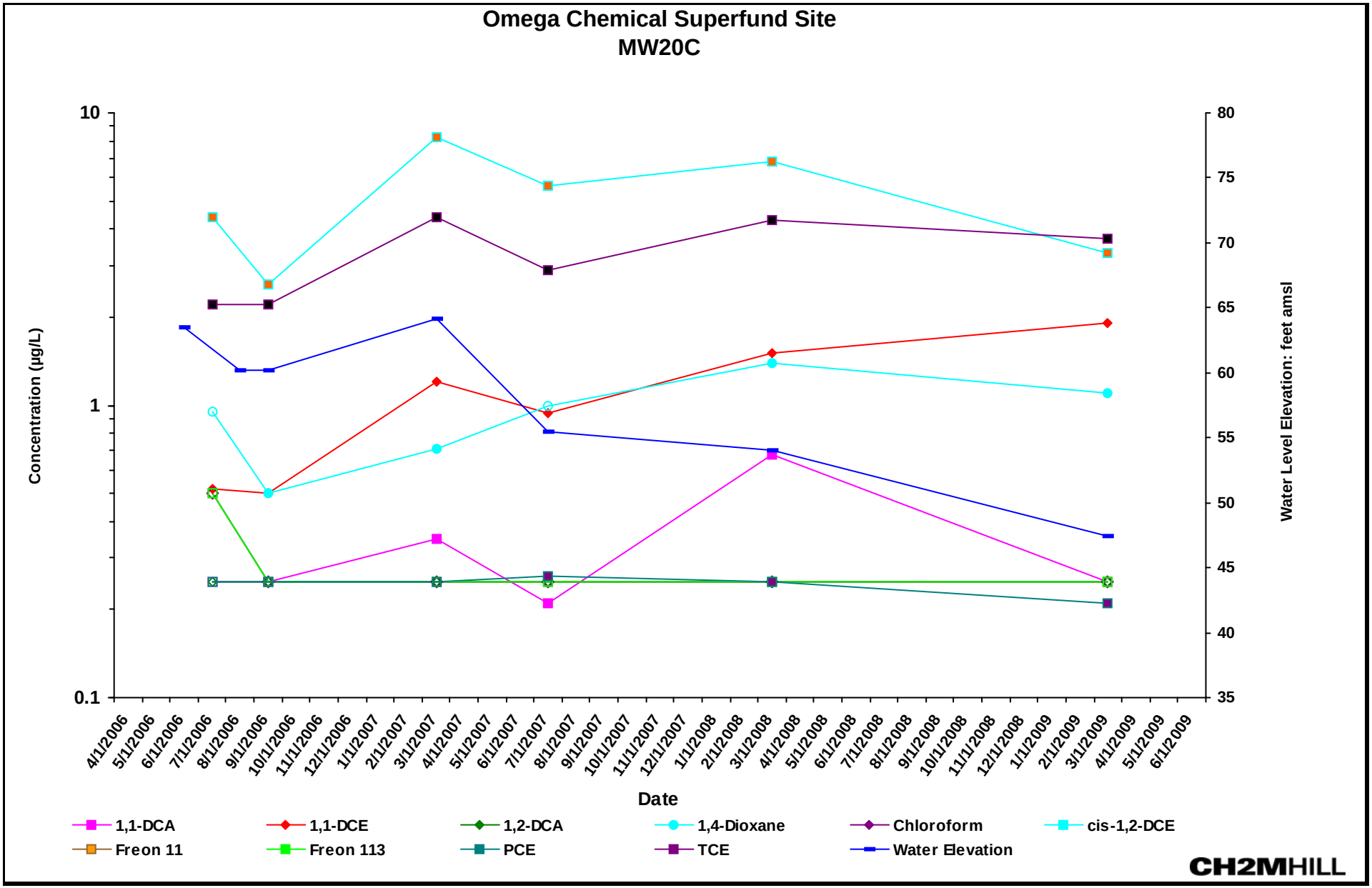


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW20C



Notes:

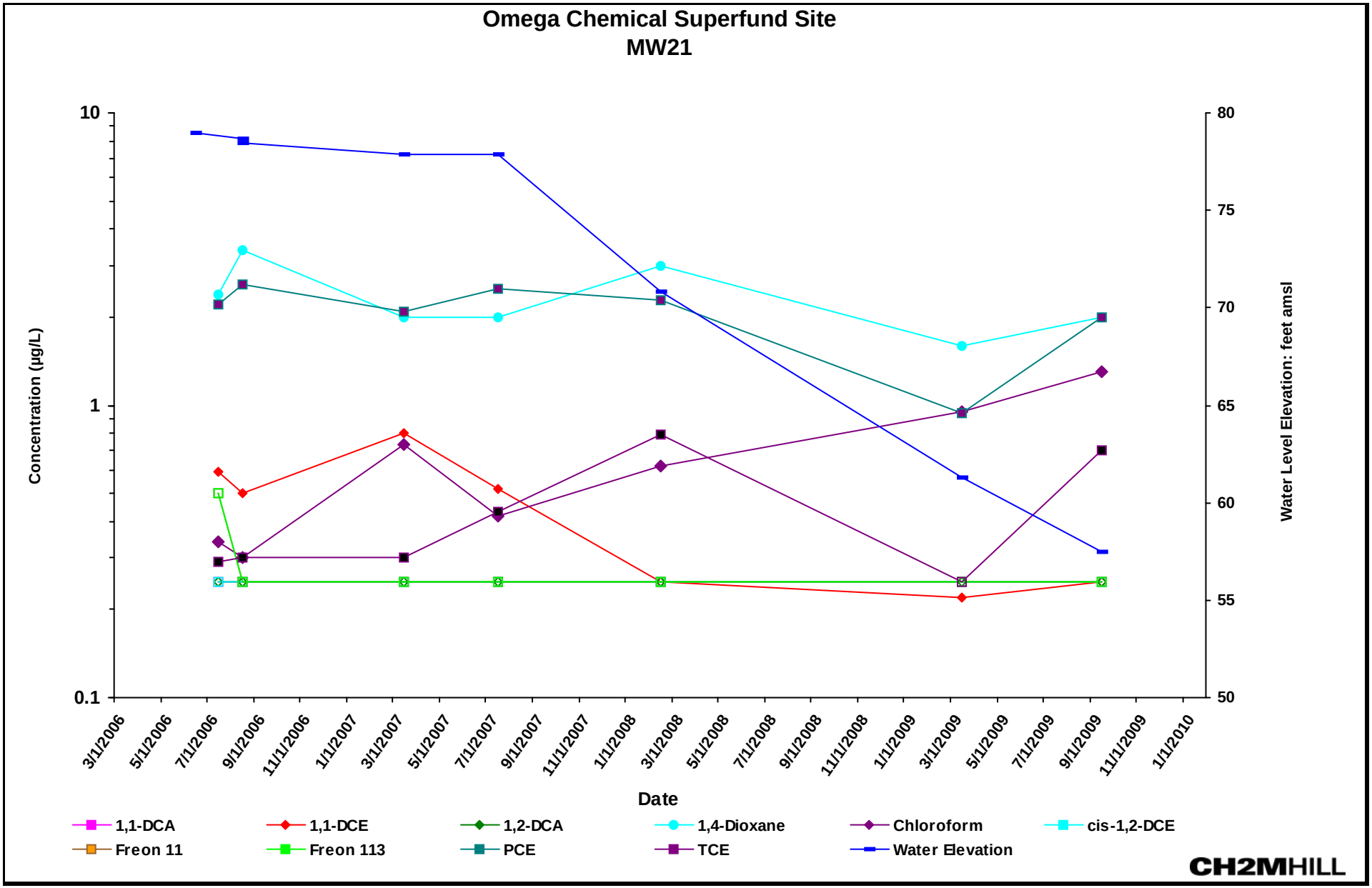
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

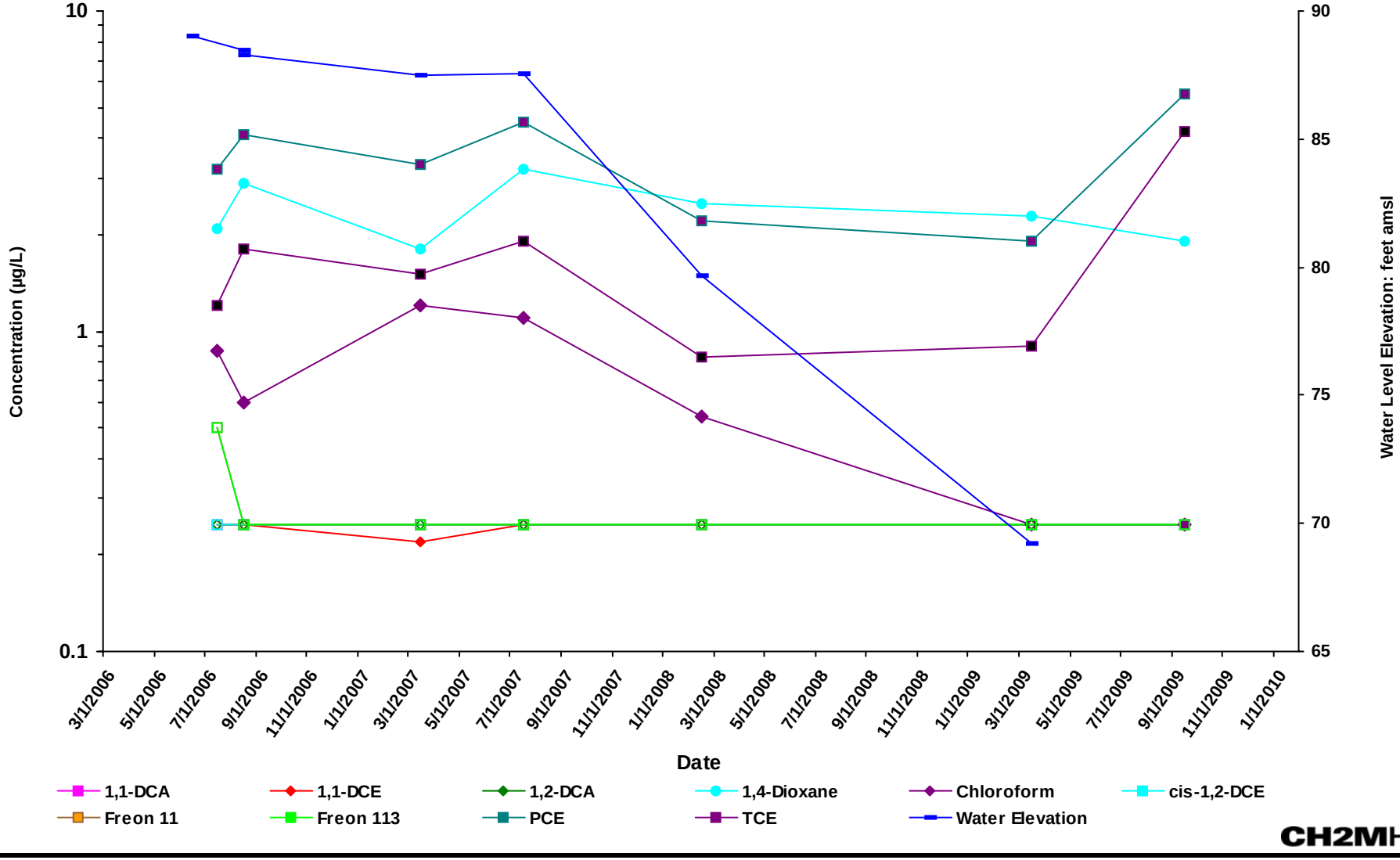
Omega Chemical Superfund Site
MW21



CH2MHILL

Notes:
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW22



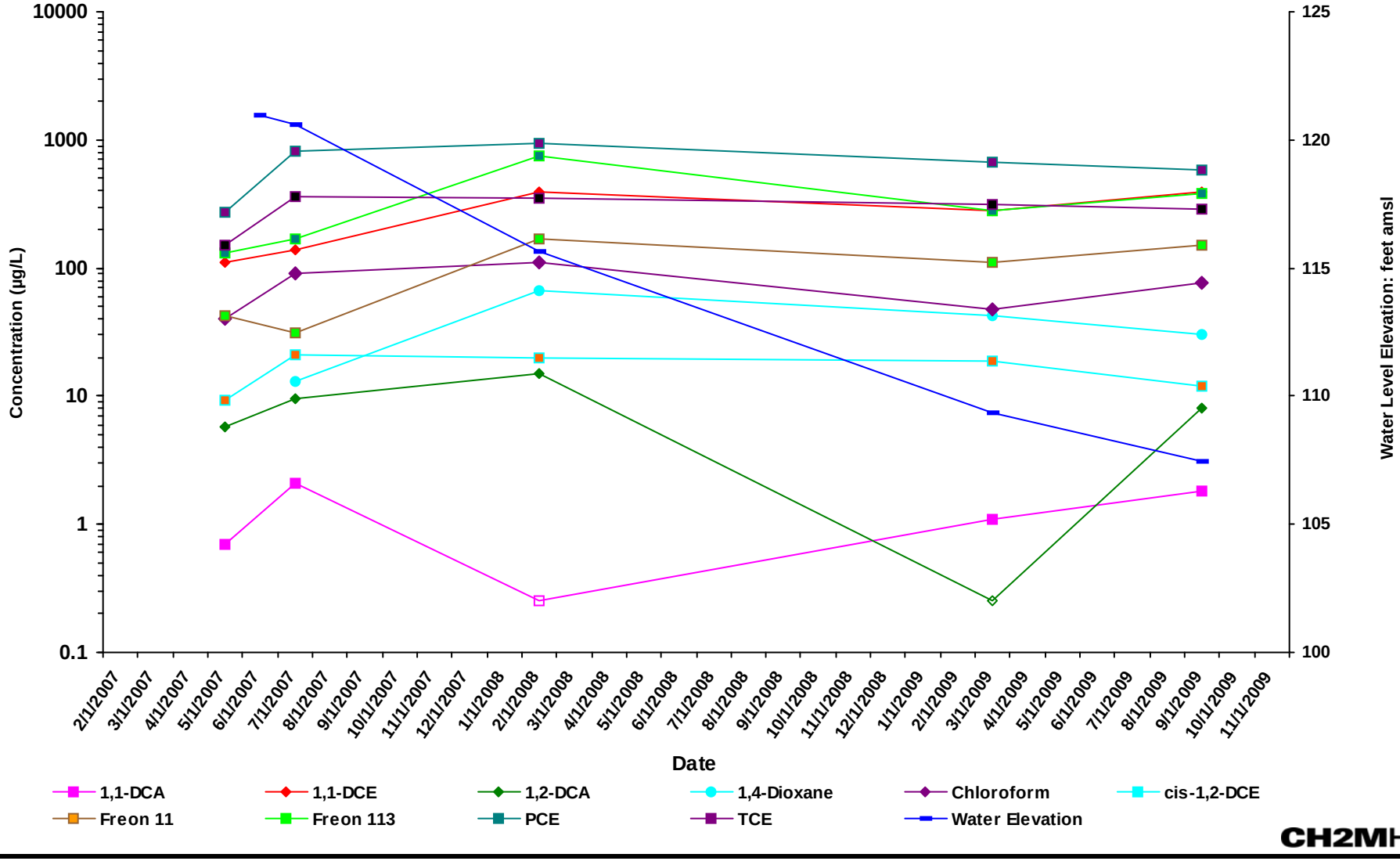
CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane
1,1-DCE: 1,1-Dichloroethene
1,2-DCA: 1,2-Dichloroethane
1,4-Dioxane: 1,4-Dioxane (p-dioxane)
cis-1,2-DCE: cis-1,2-Dichloroethene
Freon 11: Trichlorofluoromethane
Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane
PCE: Tetrachloroethene
TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW23A

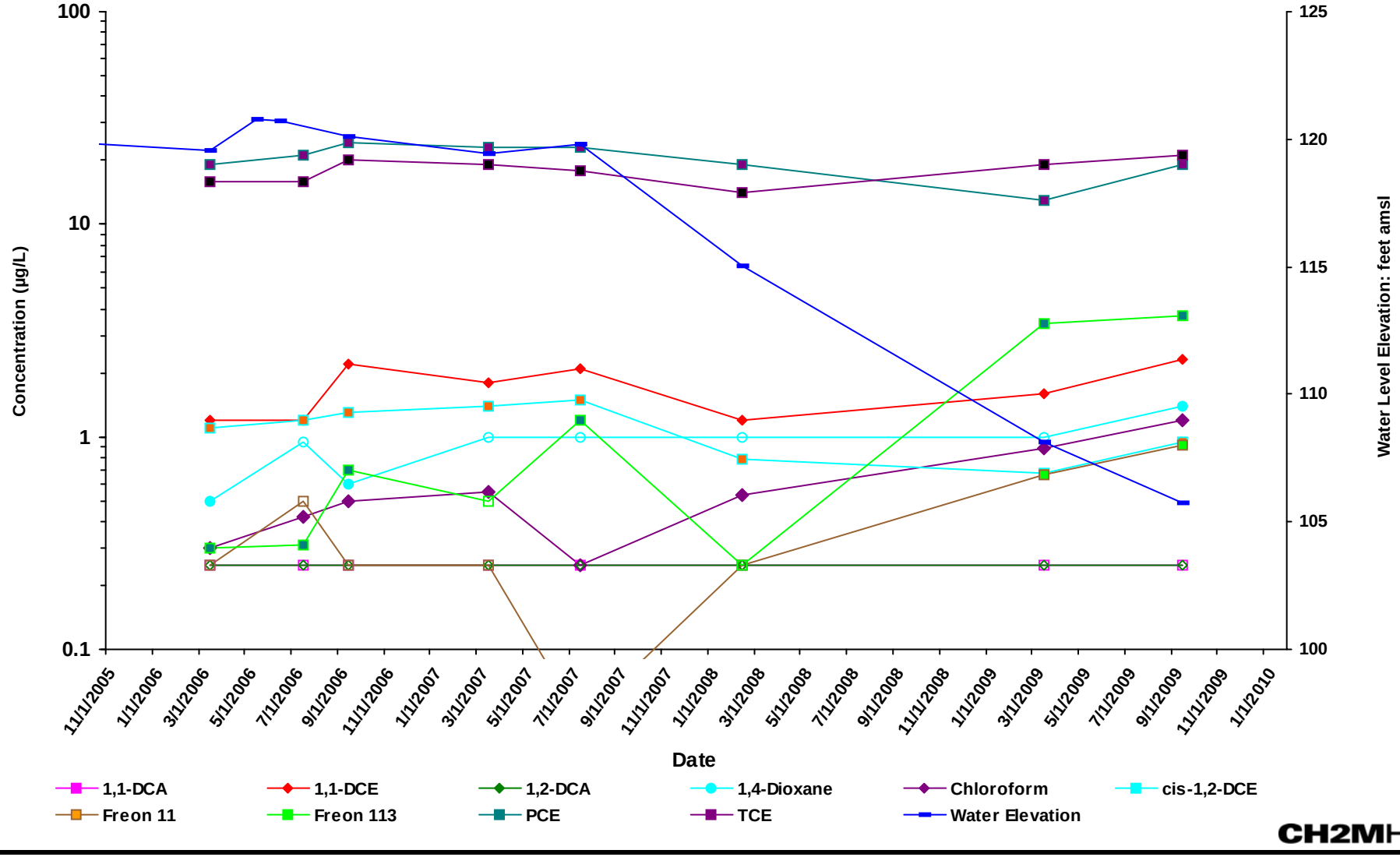


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW23B

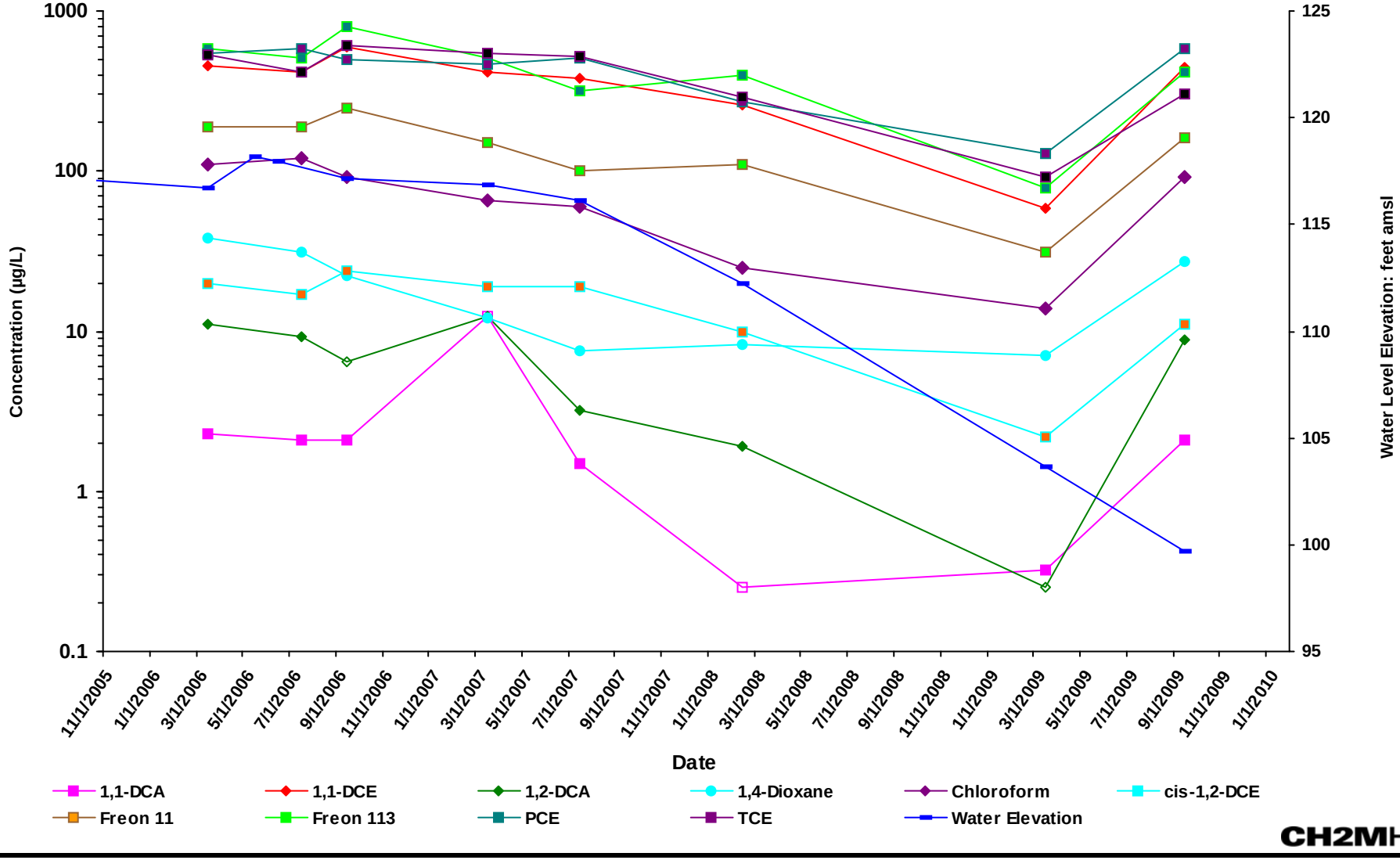


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW23C

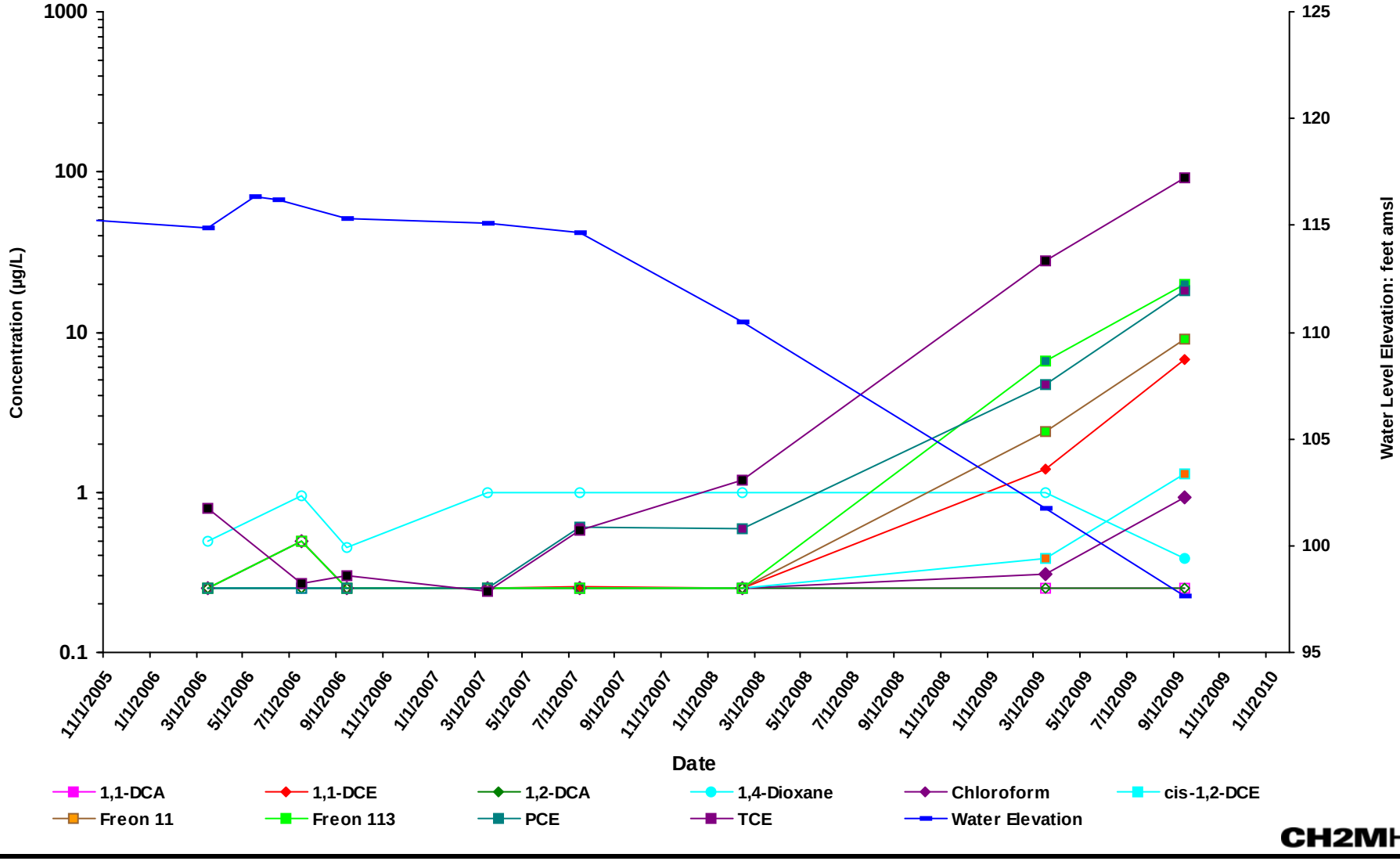


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW23D

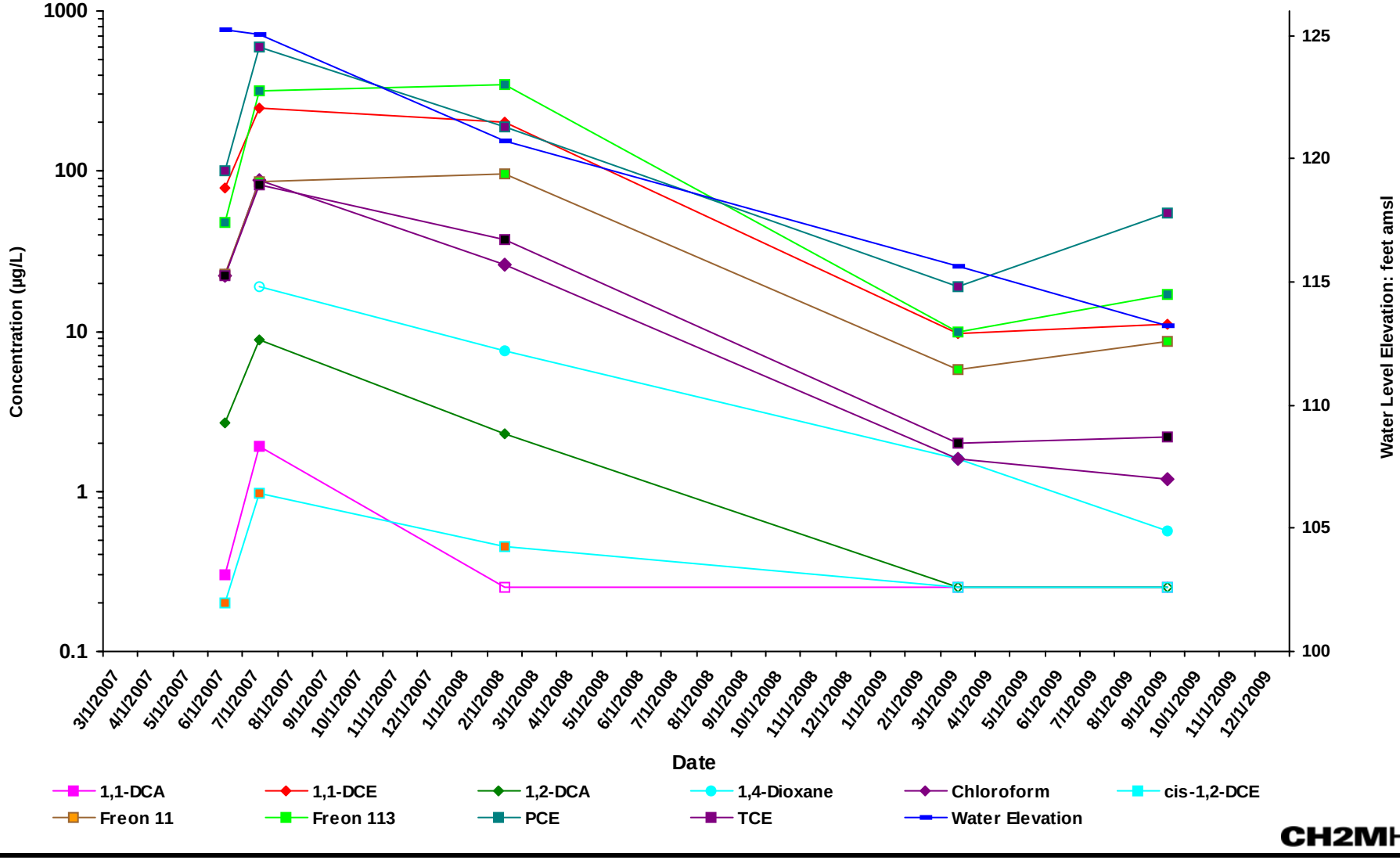


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW24A

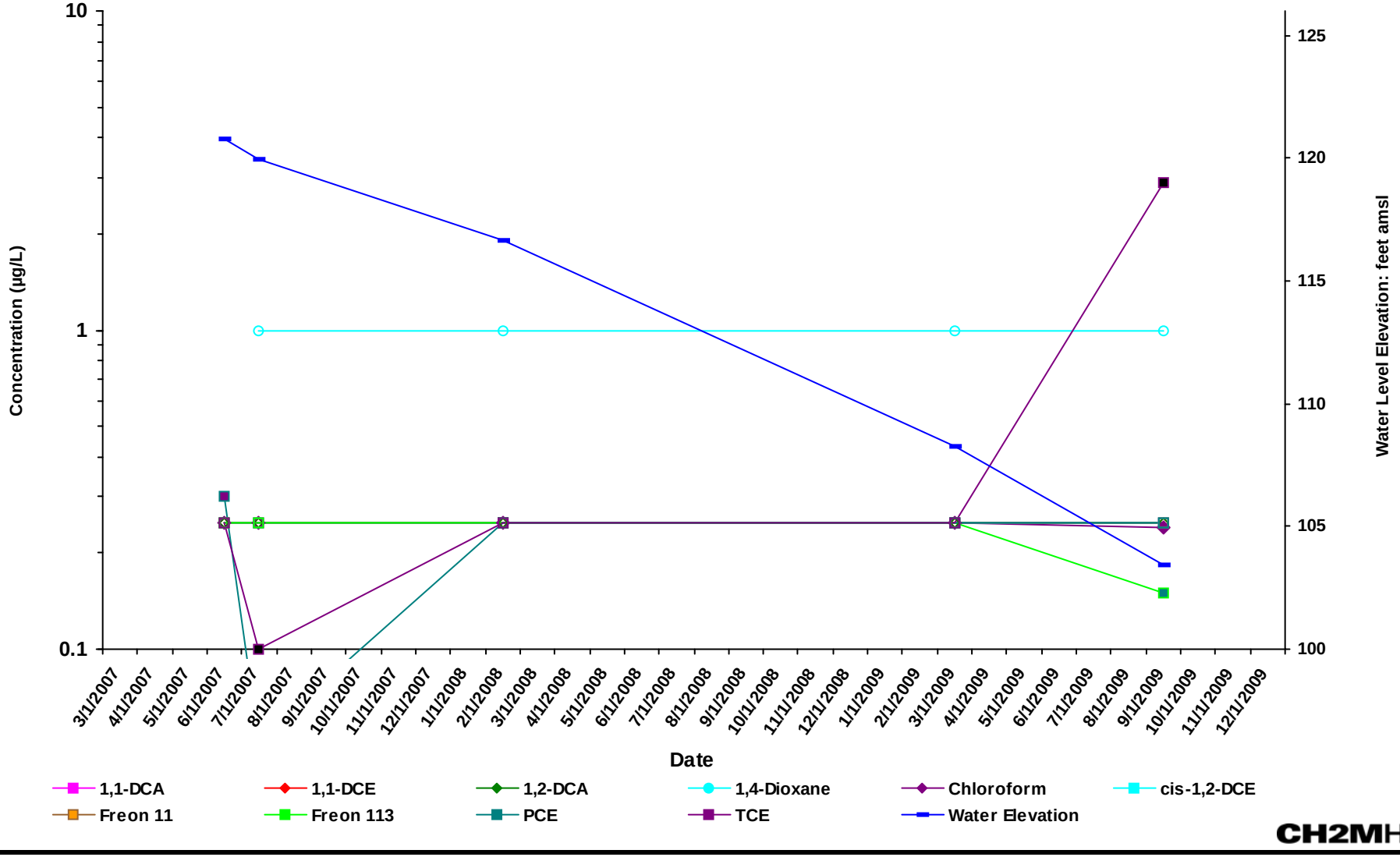


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW24B

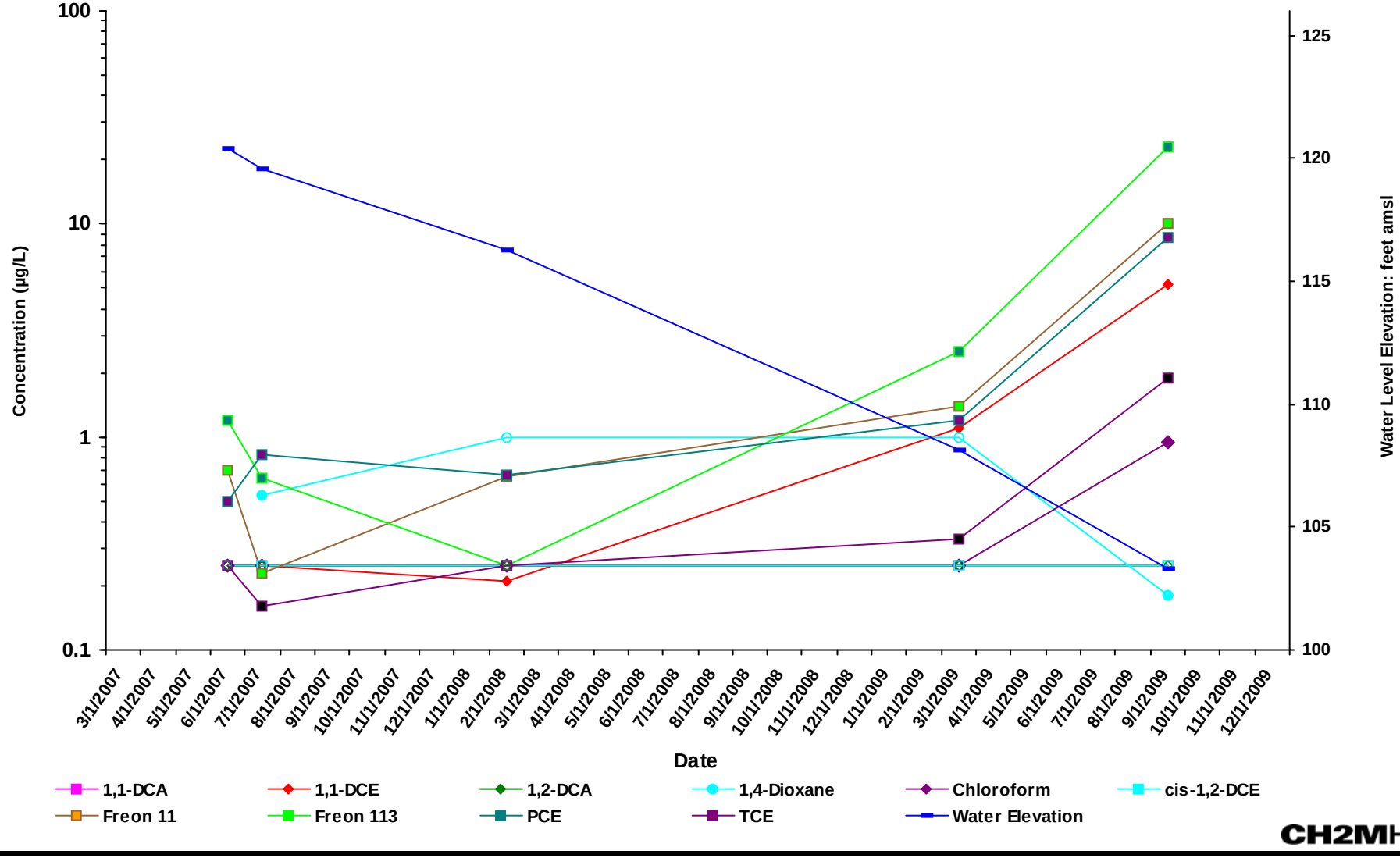


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane
1,1-DCE: 1,1-Dichloroethene
1,2-DCA: 1,2-Dichloroethane
1,4-Dioxane: 1,4-Dioxane (p-dioxane)
cis-1,2-DCE: cis-1,2-Dichloroethene
Freon 11: Trichlorofluoromethane
Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane
PCE: Tetrachloroethene
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW24C

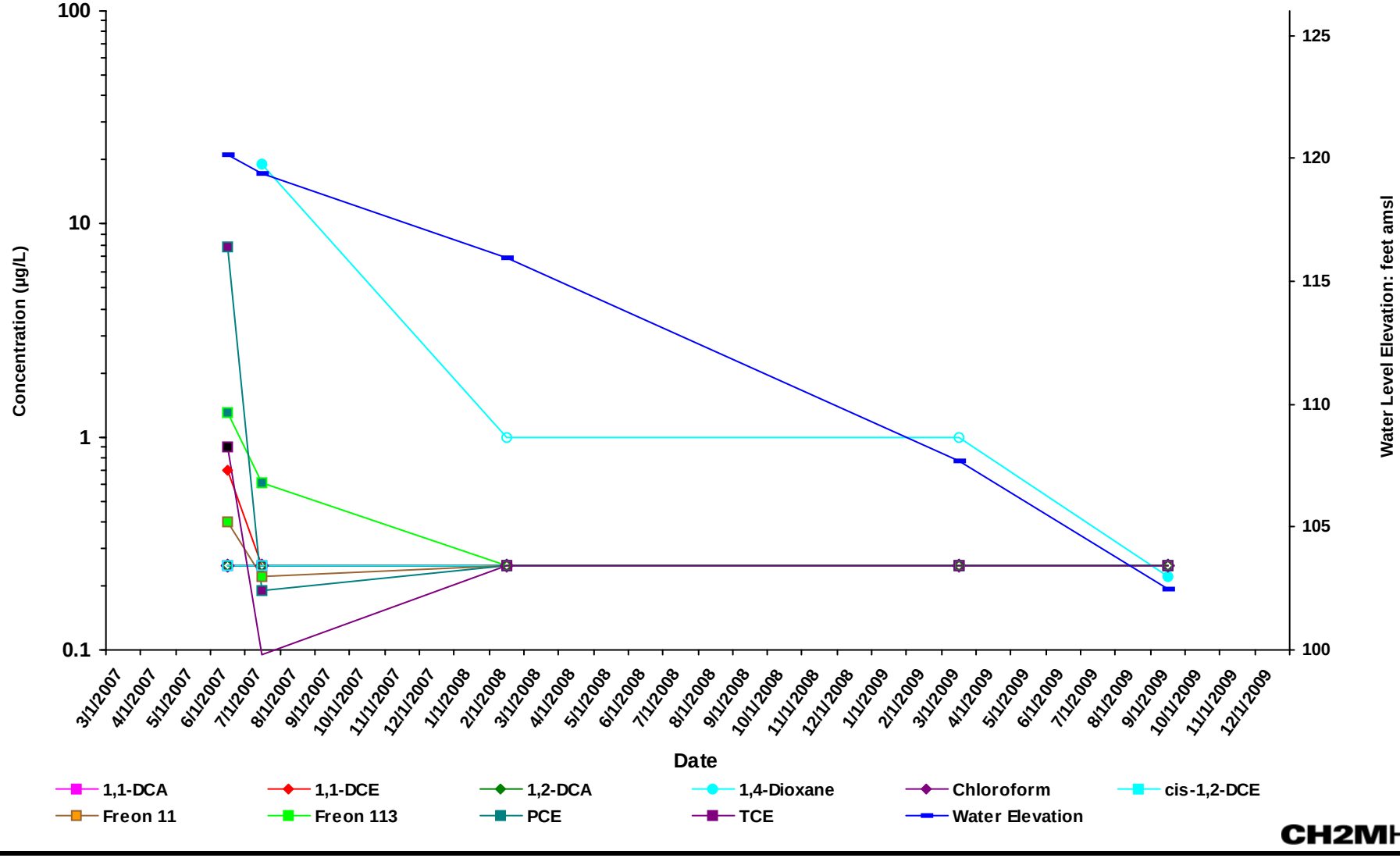


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW24D

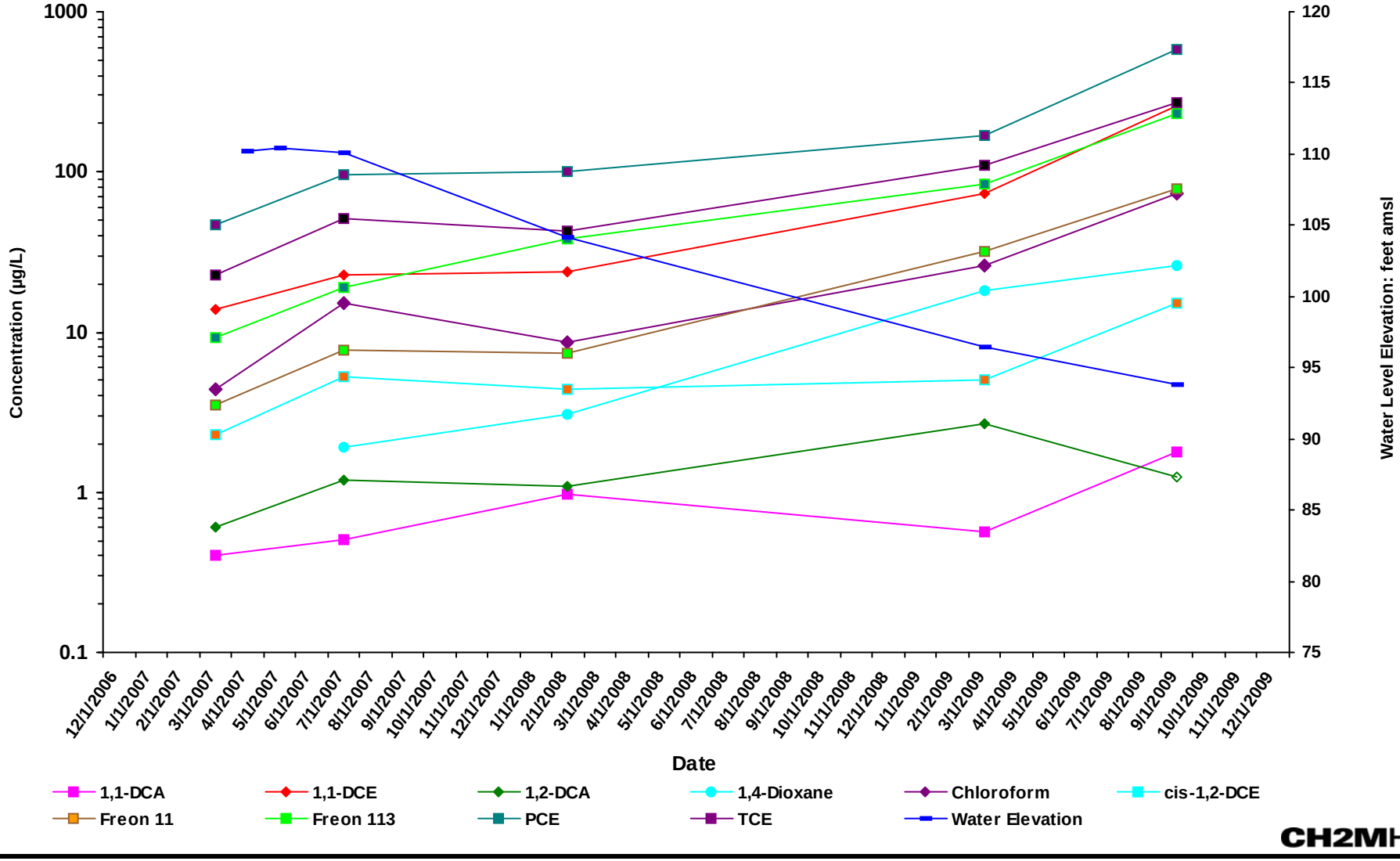


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW25A

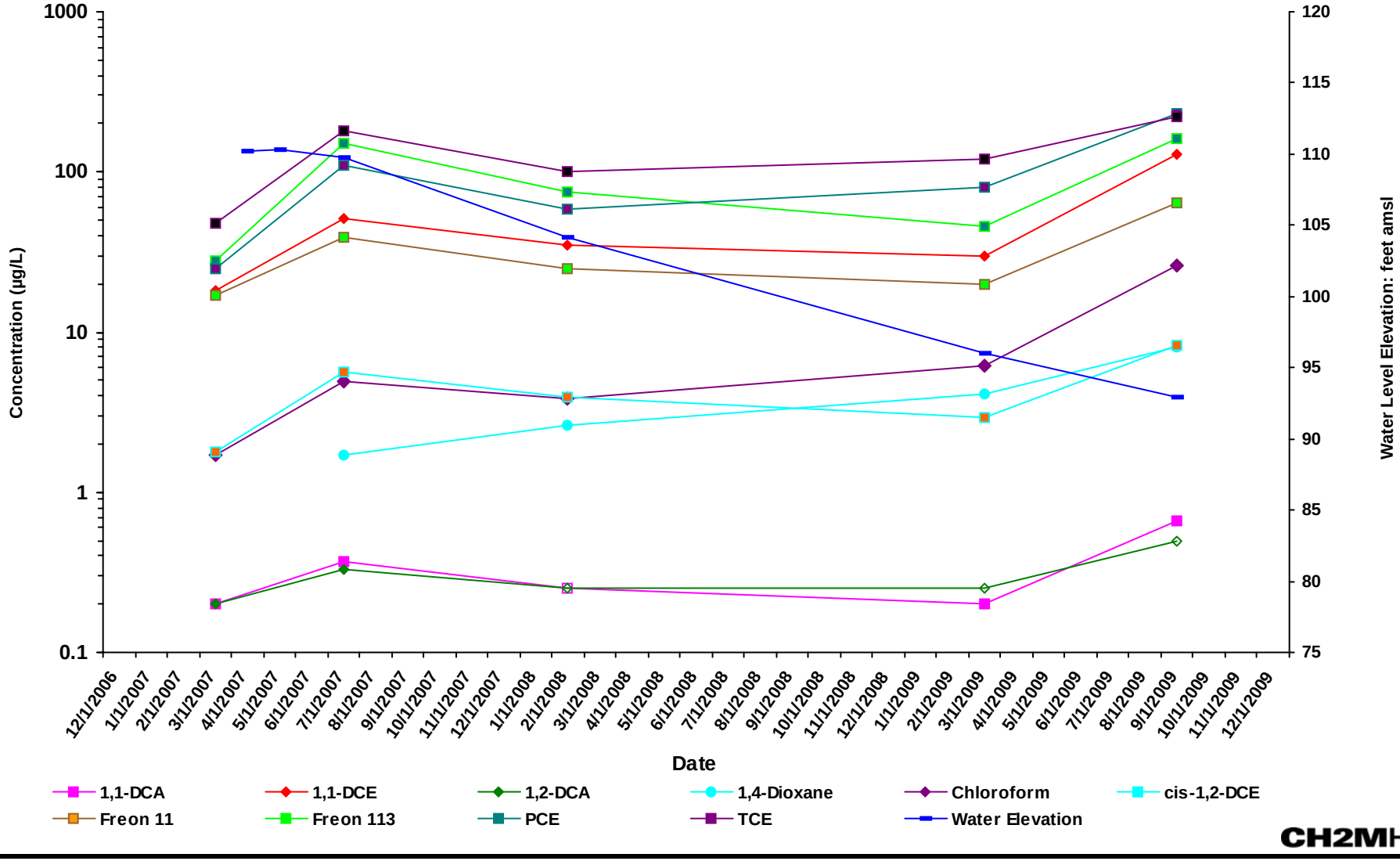


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW25B

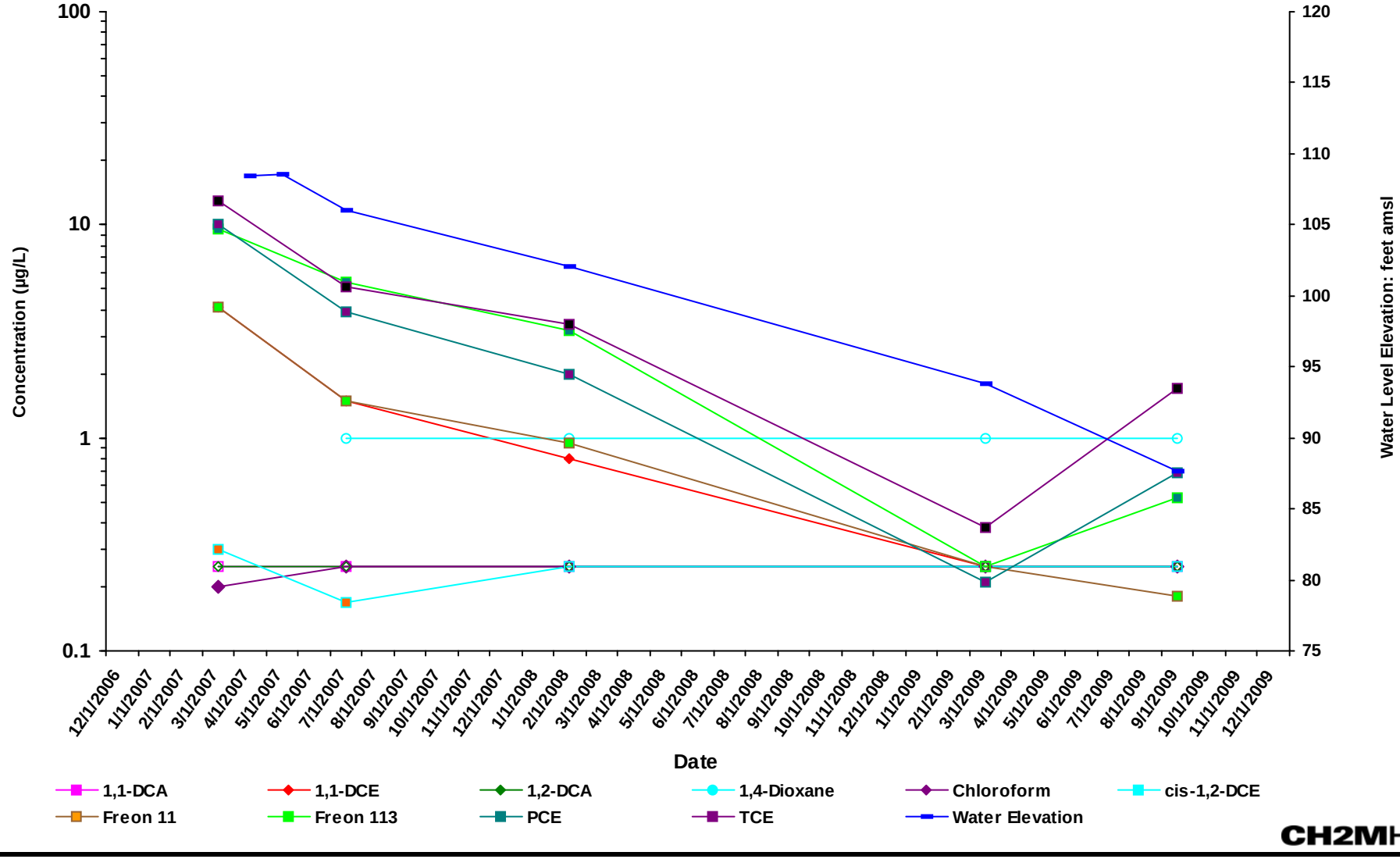


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW25C

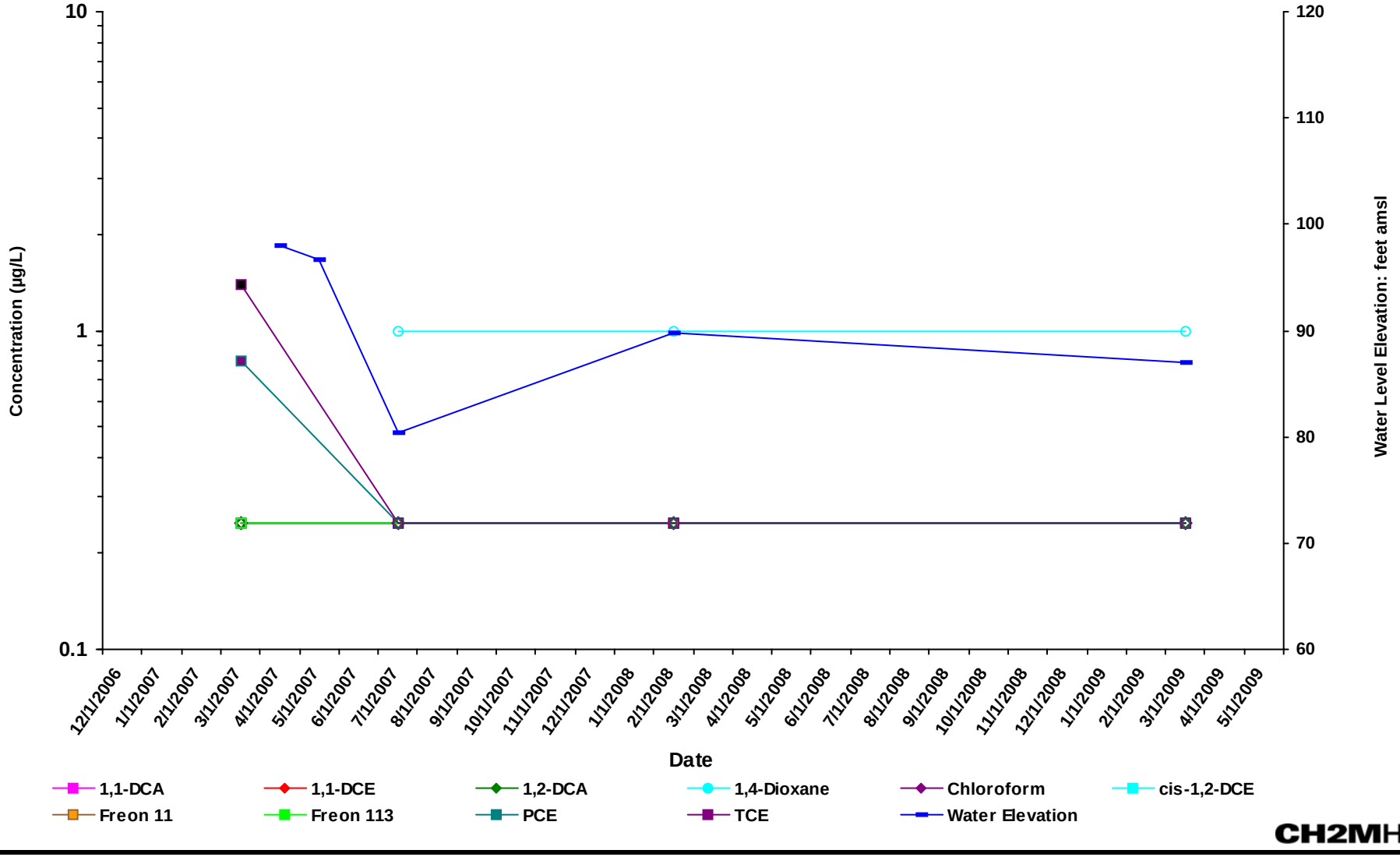


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW25D

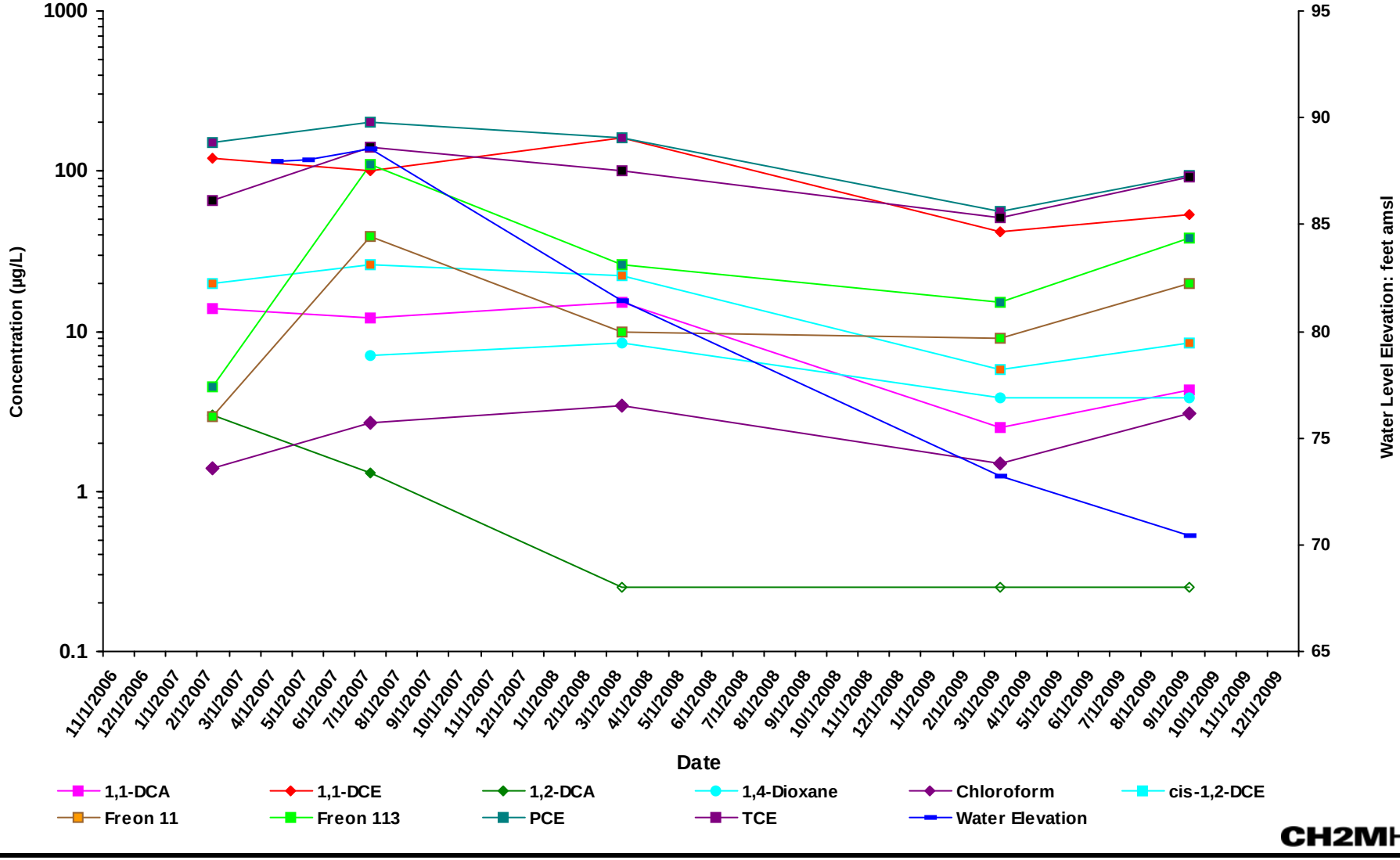


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW26A

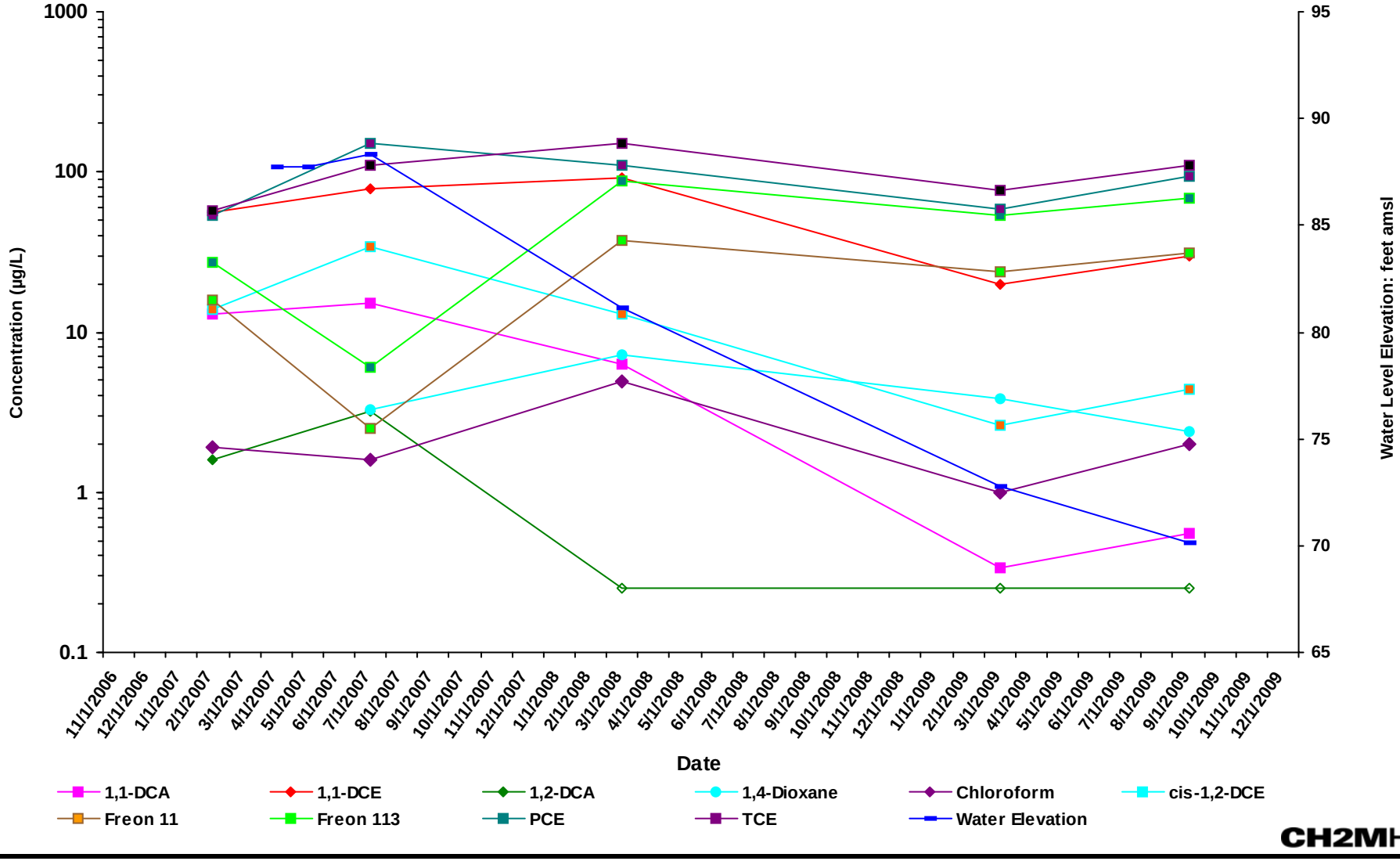


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW26B

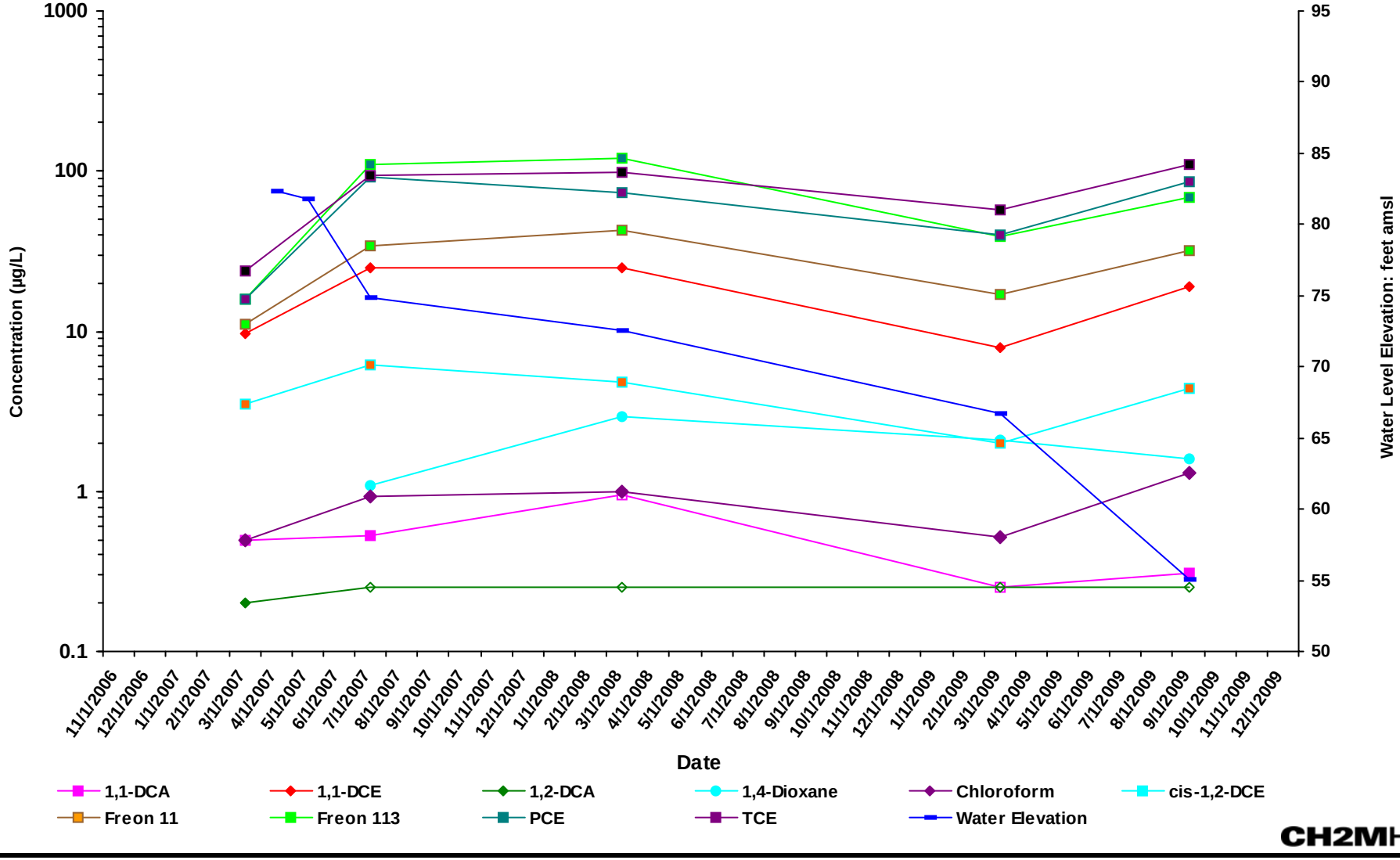


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW26C



Notes:

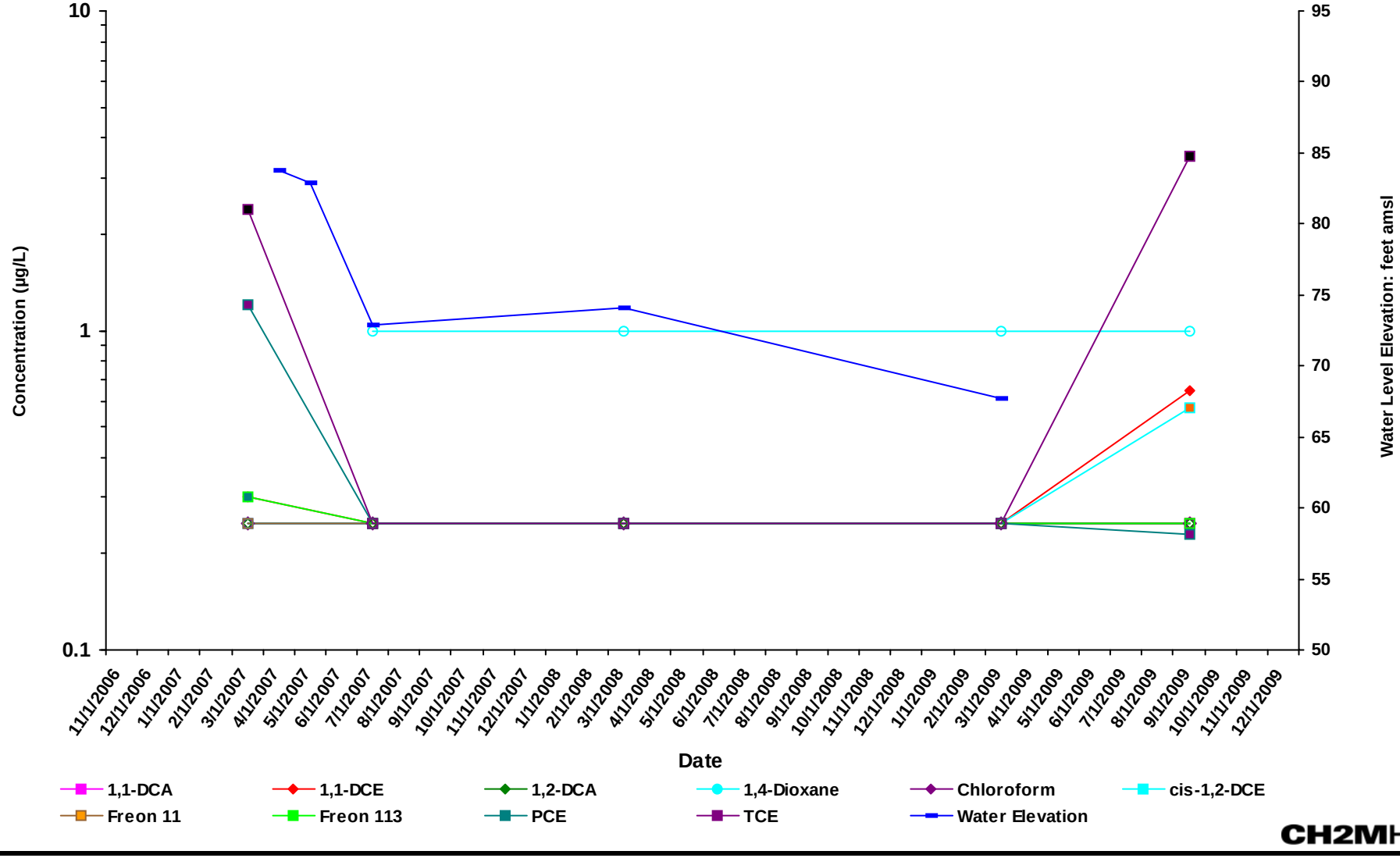
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW26D

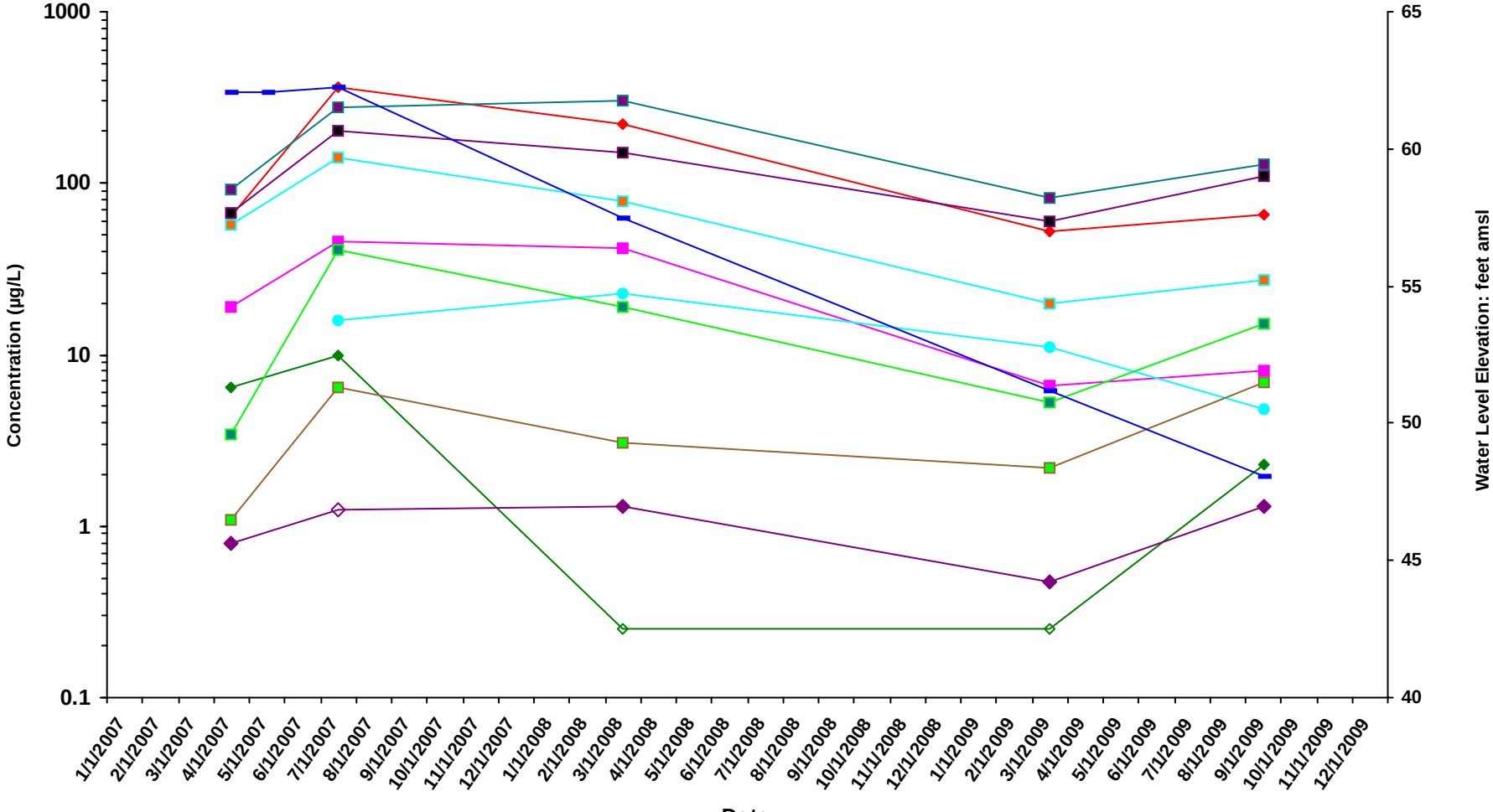


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW27A

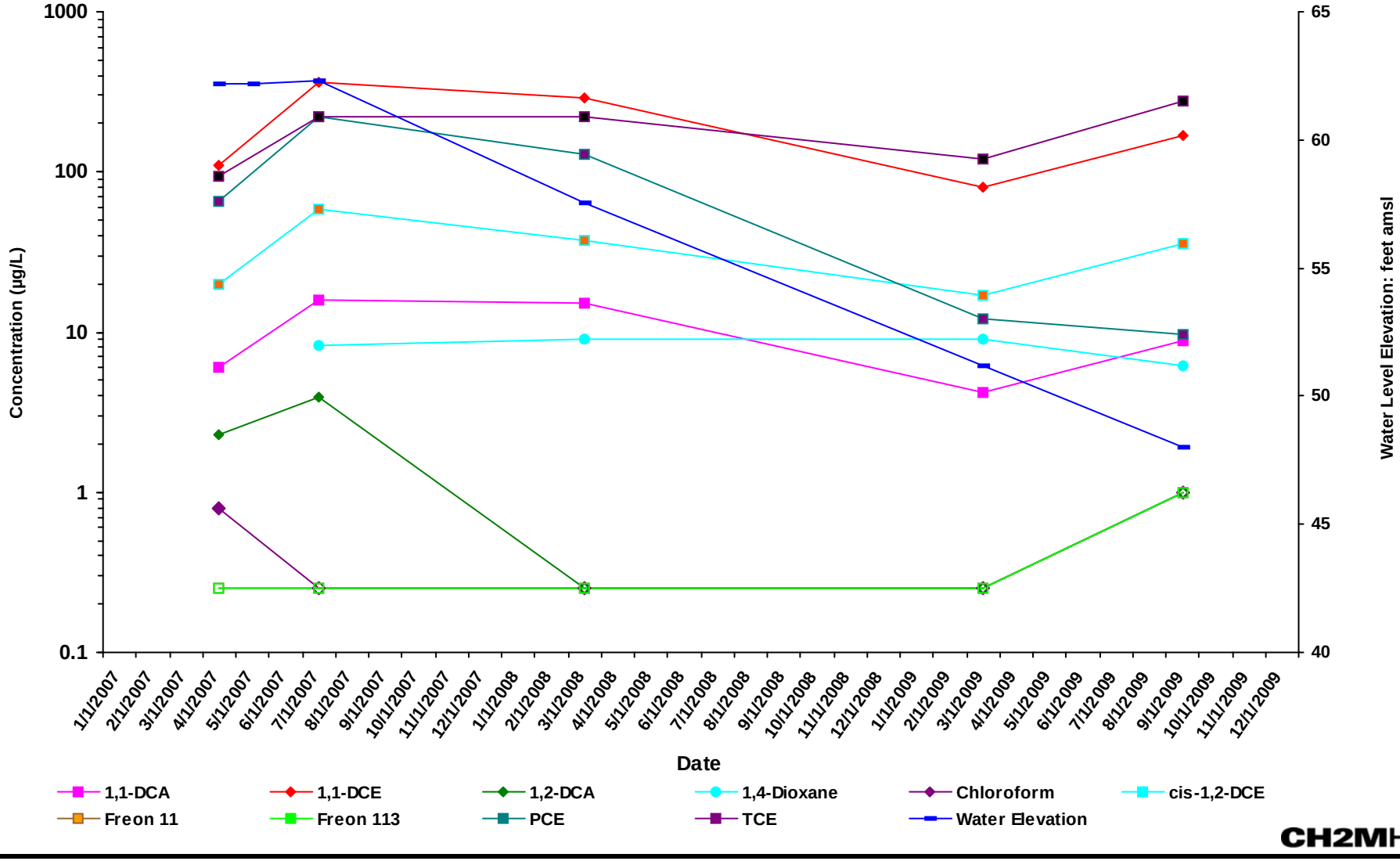


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW27B

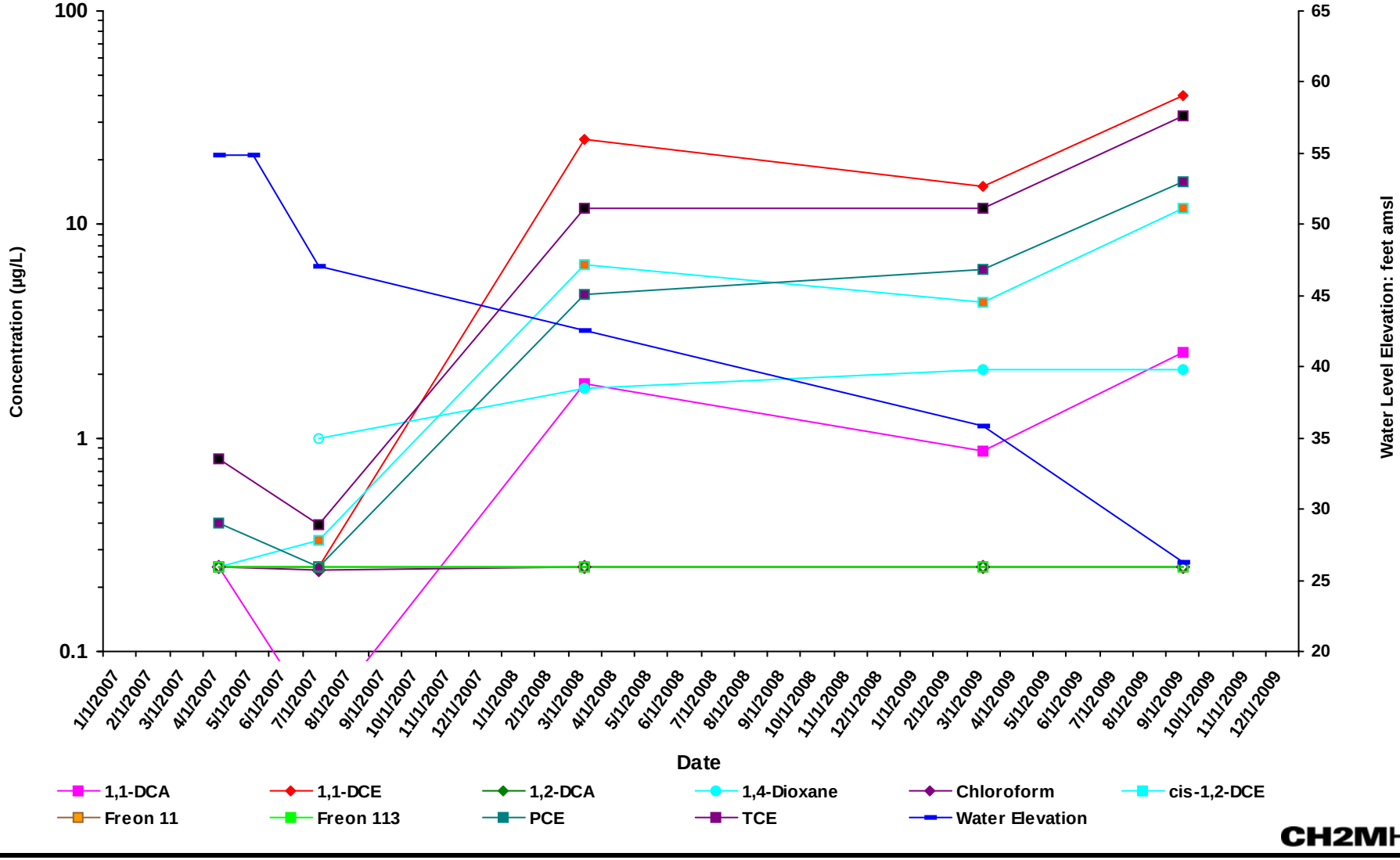


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW27C

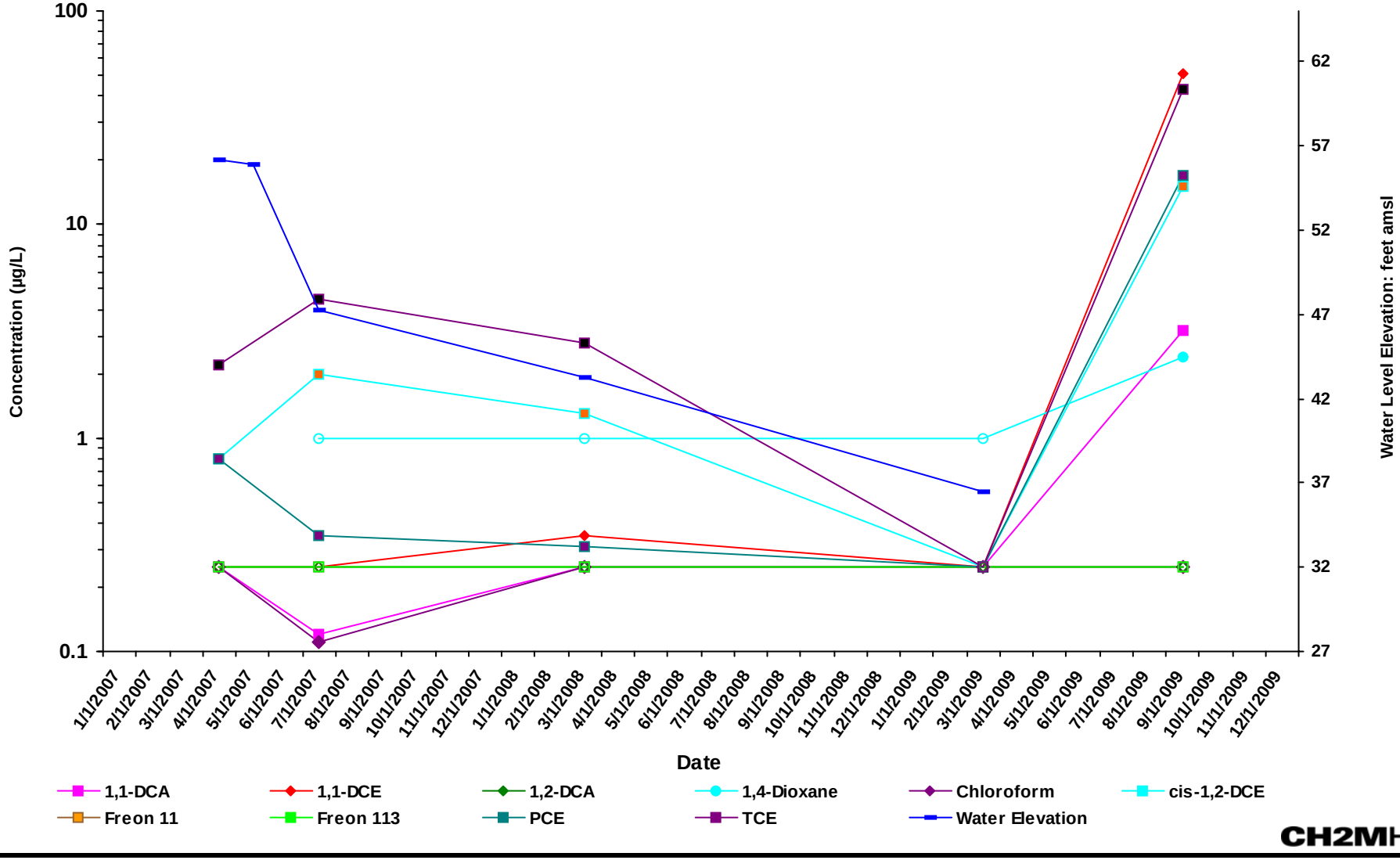


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW27D

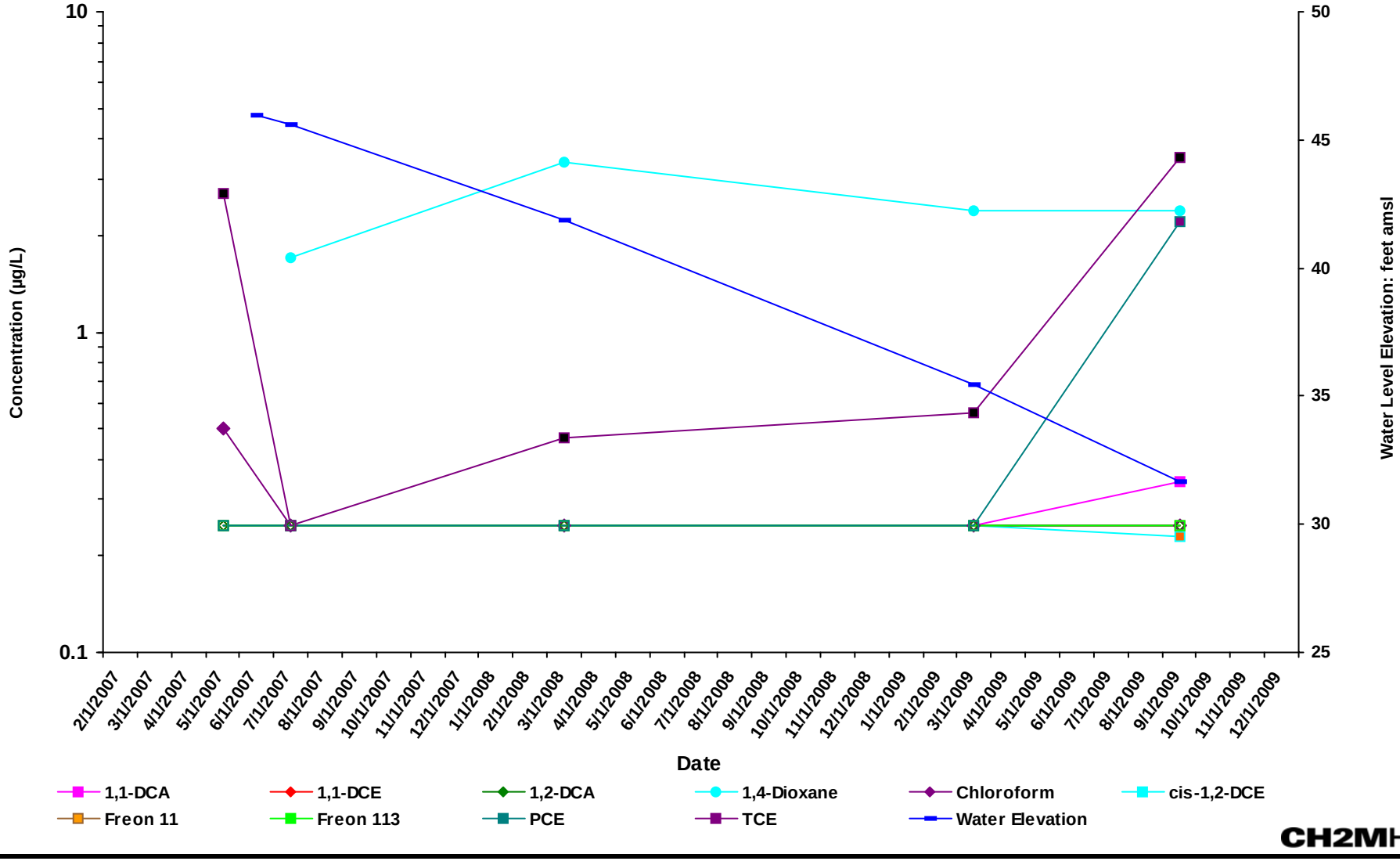


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW28

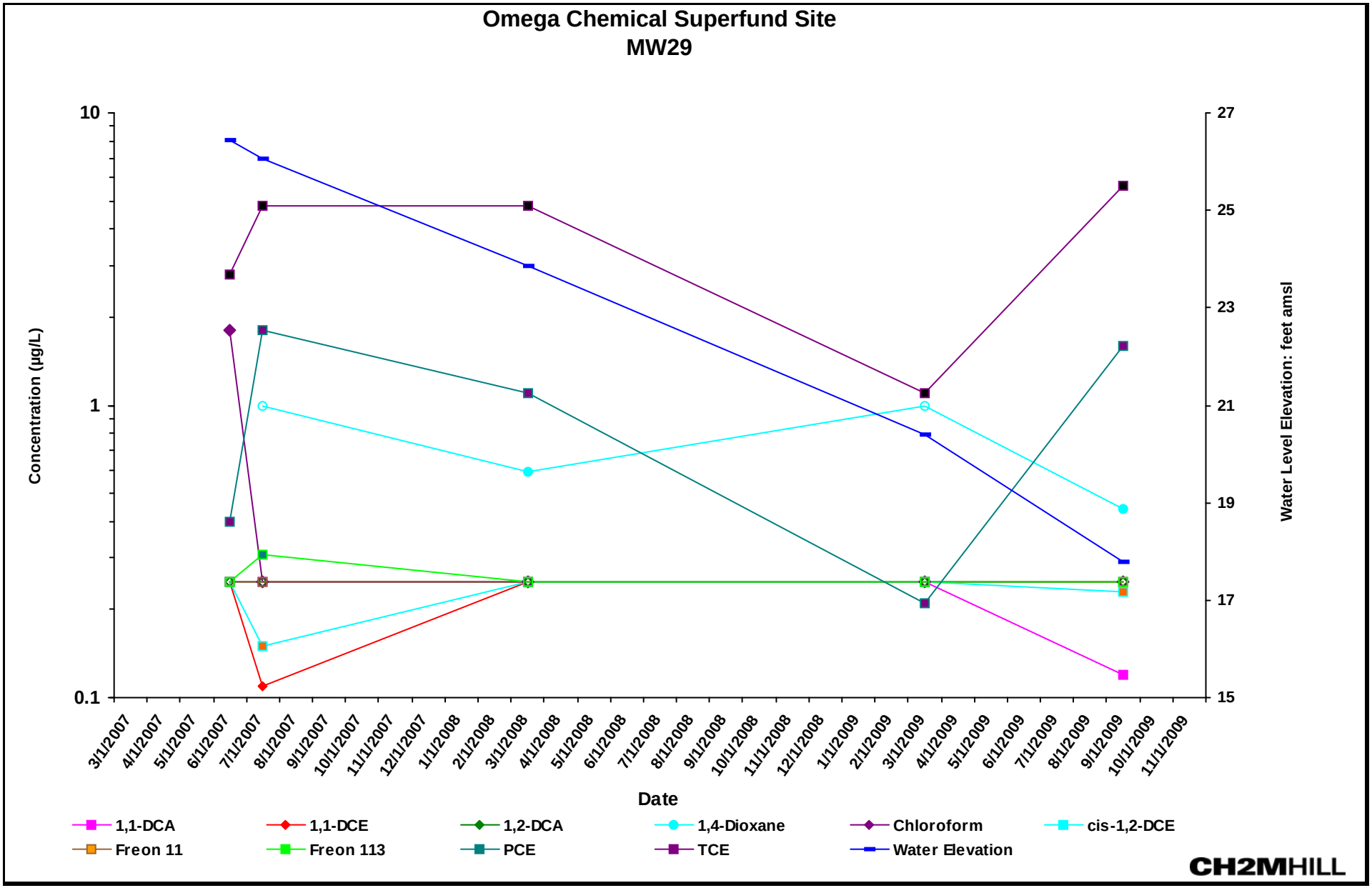


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

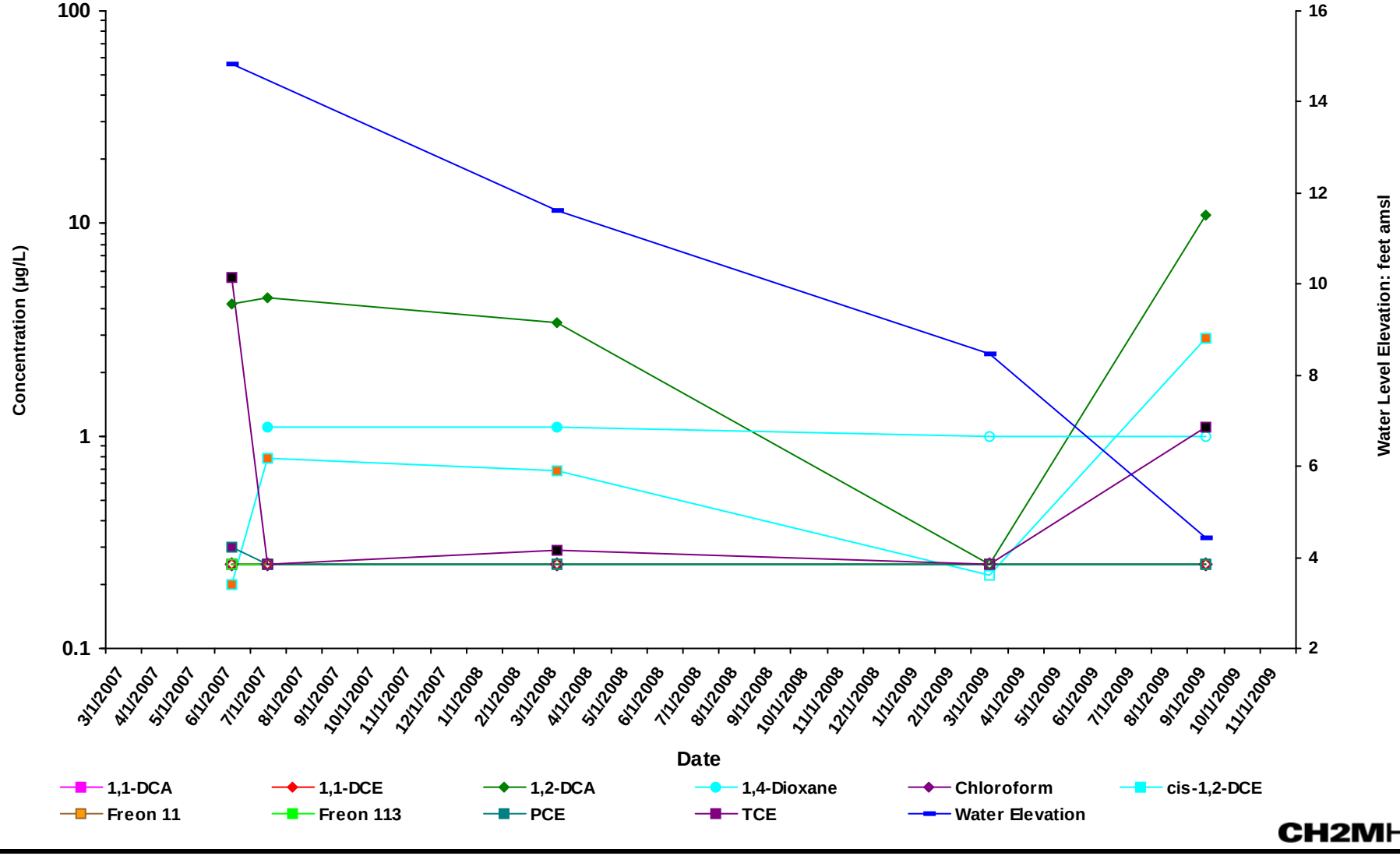
Omega Chemical Superfund Site
MW29



Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW30

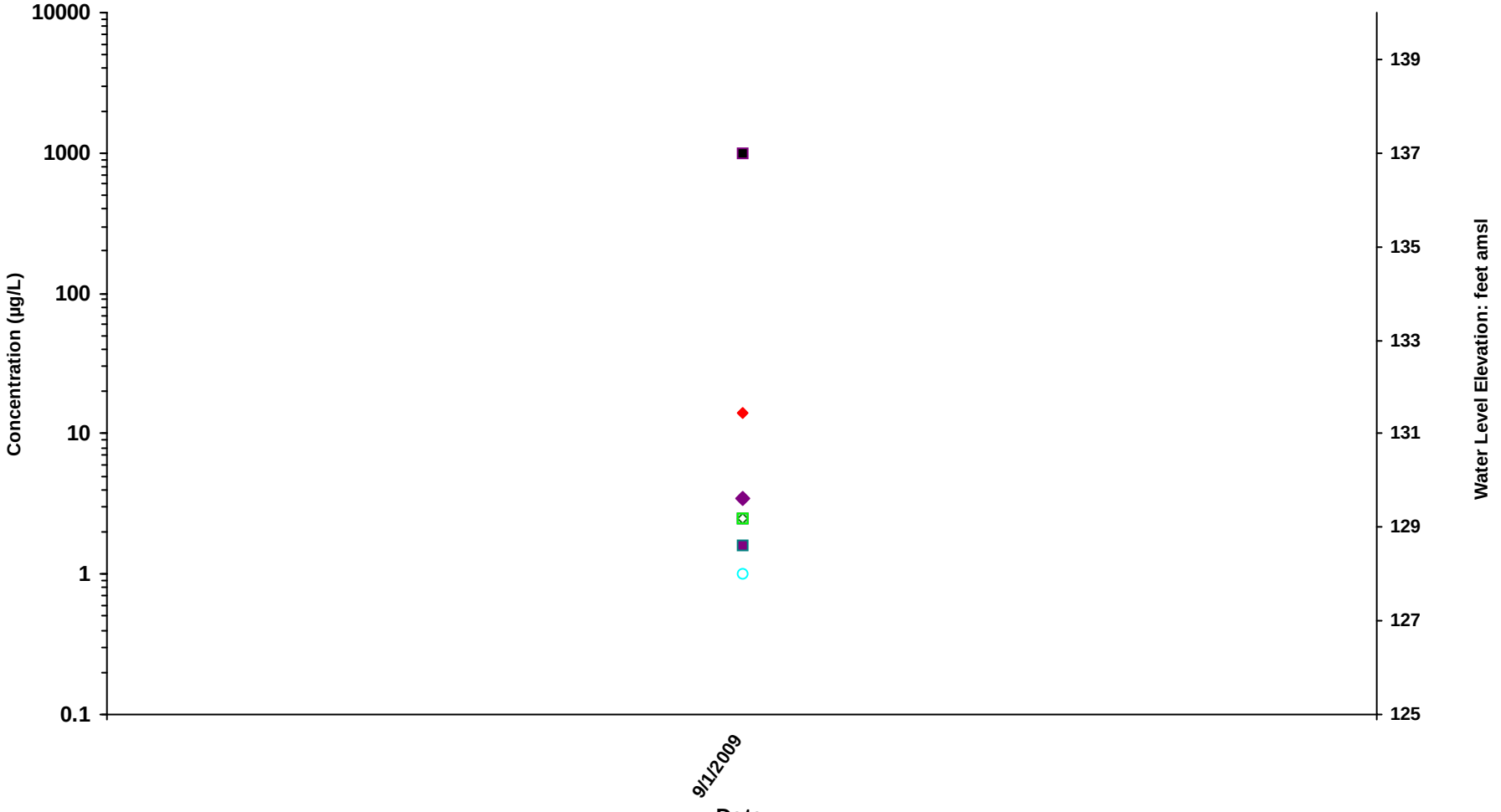


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
MW31

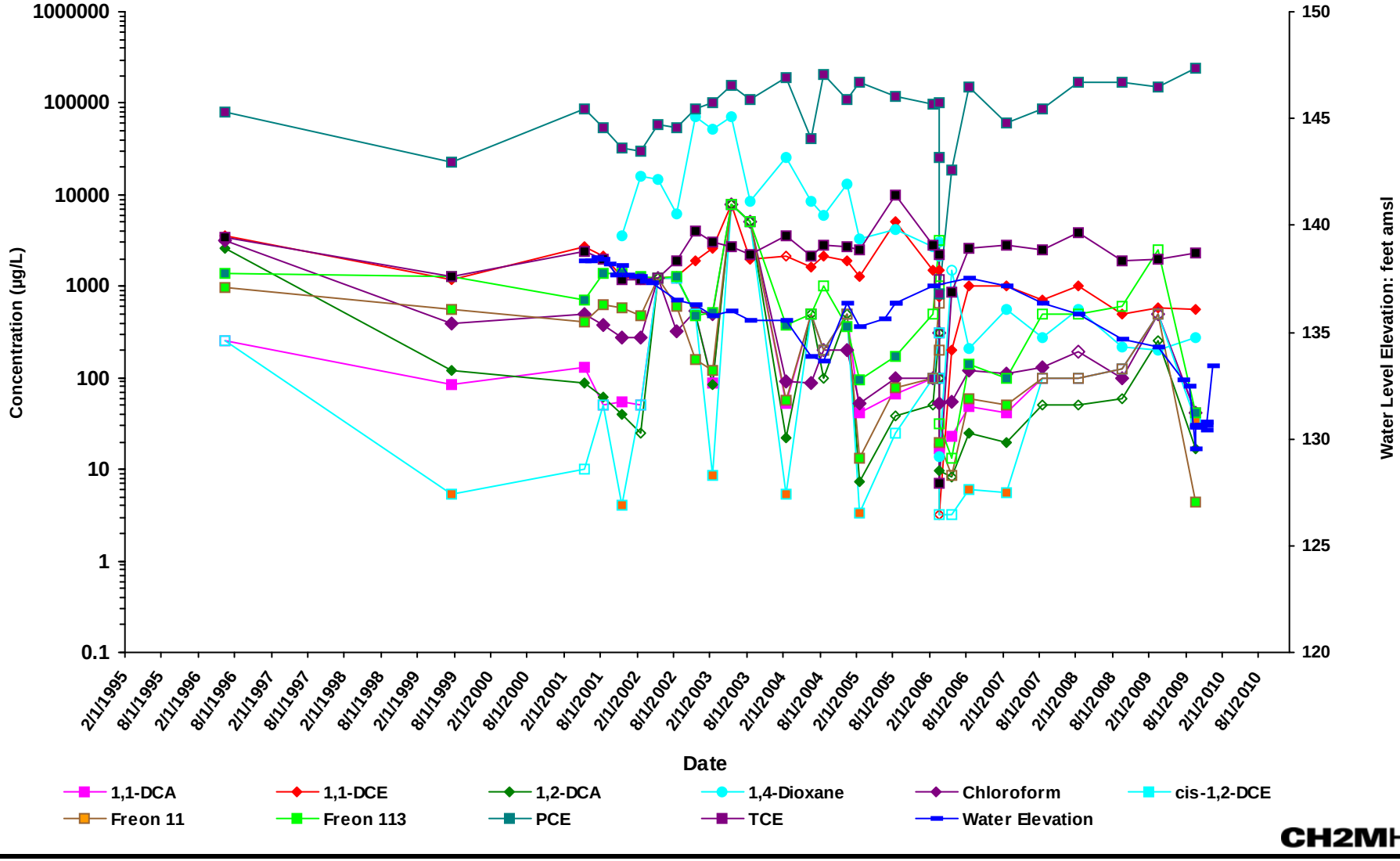


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane
1,1-DCE: 1,1-Dichloroethene
1,2-DCA: 1,2-Dichloroethane
1,4-Dioxane: 1,4-Dioxane (p-dioxane)
cis-1,2-DCE: cis-1,2-Dichloroethene
Freon 11: Trichlorofluoromethane
Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane
PCE: Tetrachloroethene
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW1A

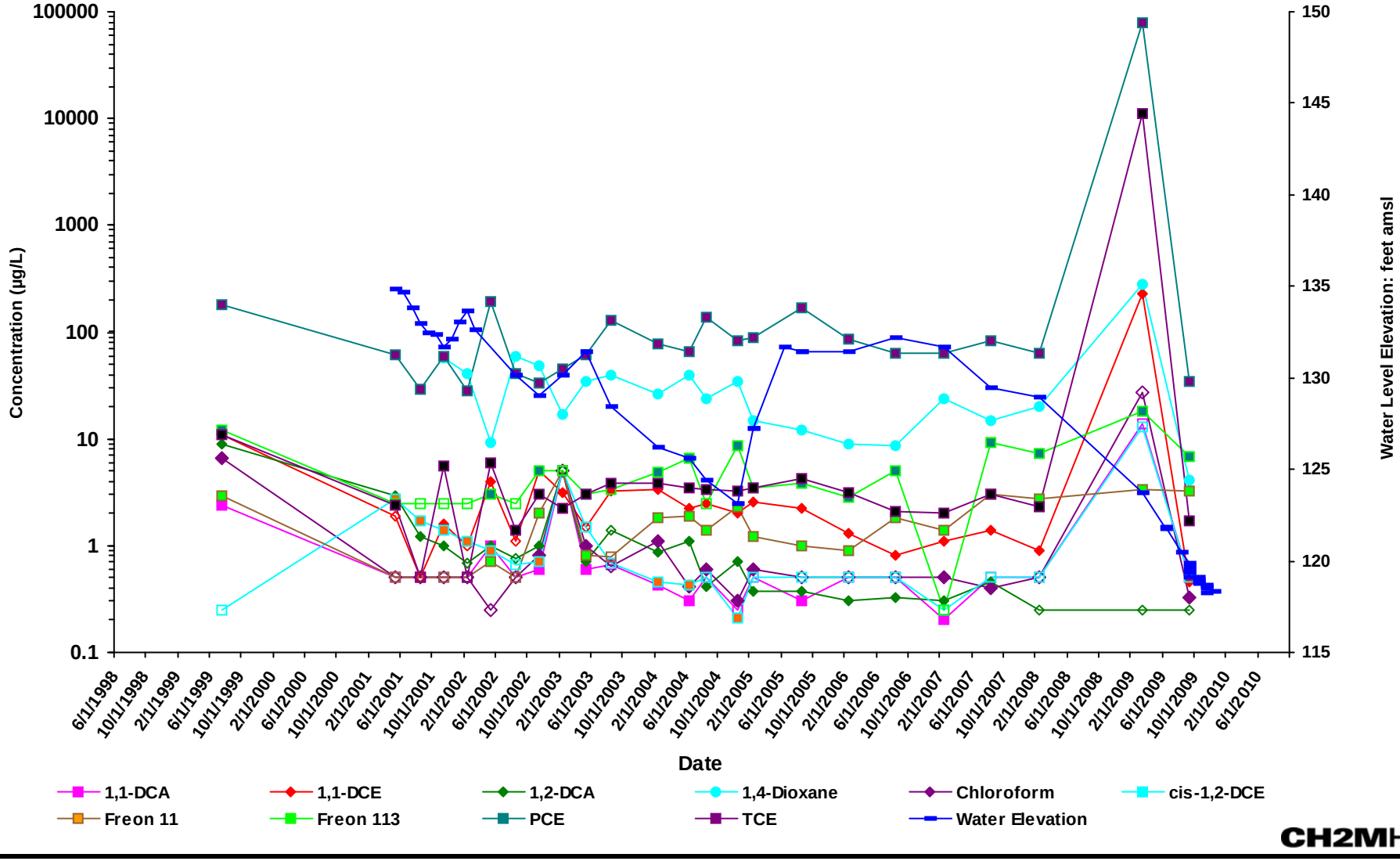


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW1B

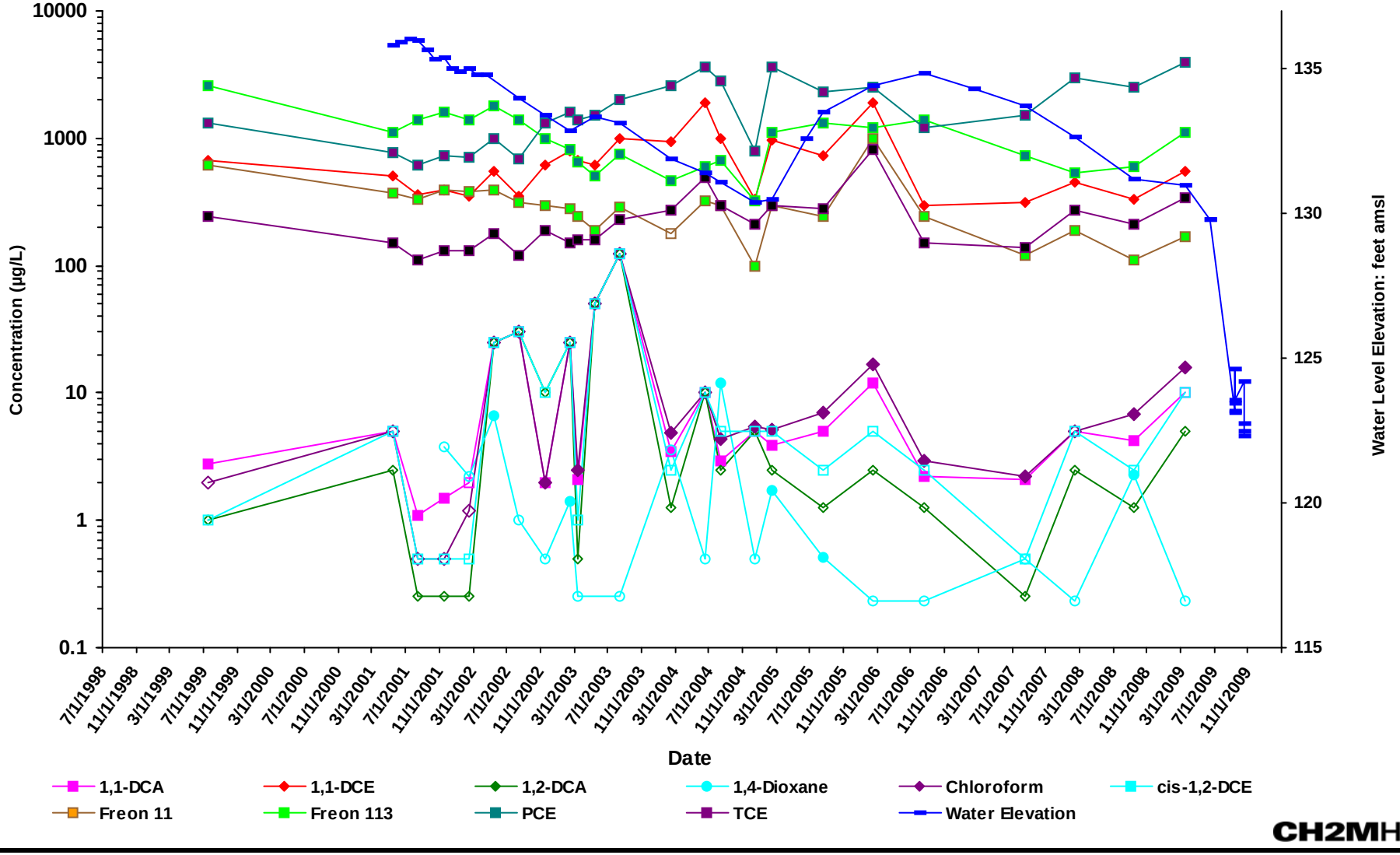


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW2

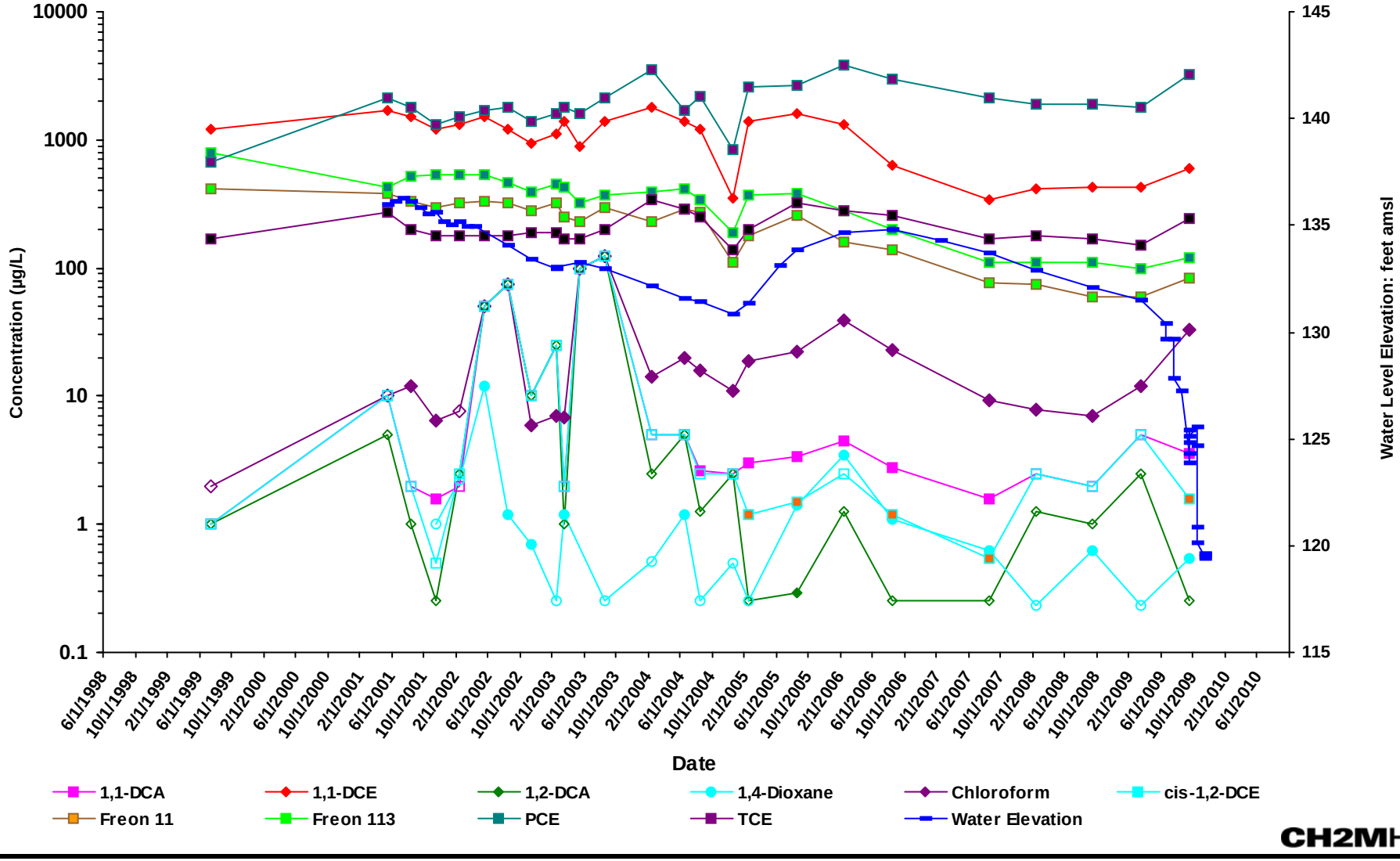


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

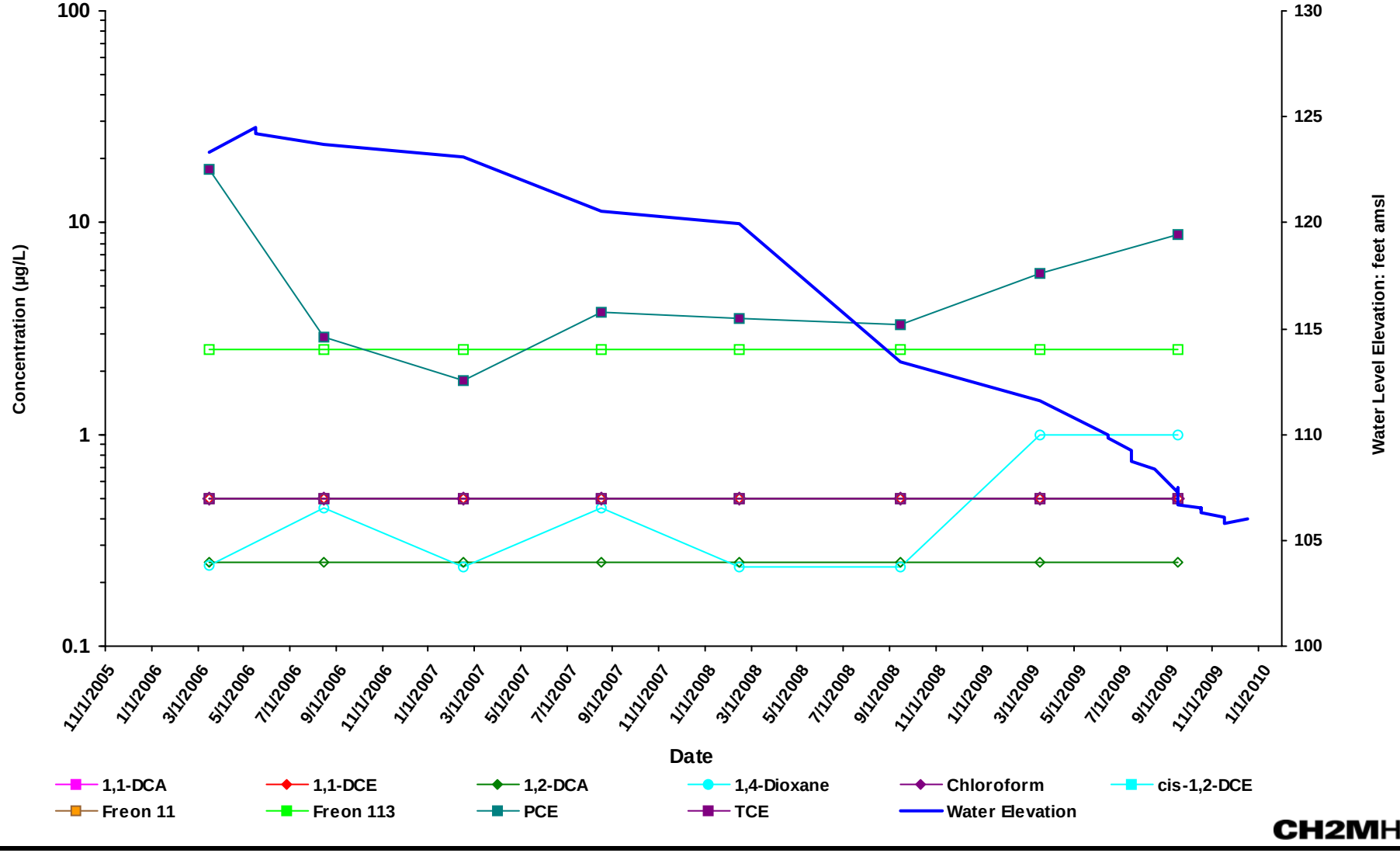
Omega Chemical Superfund Site
OW3A



CH2MHILL

Notes:
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW3B



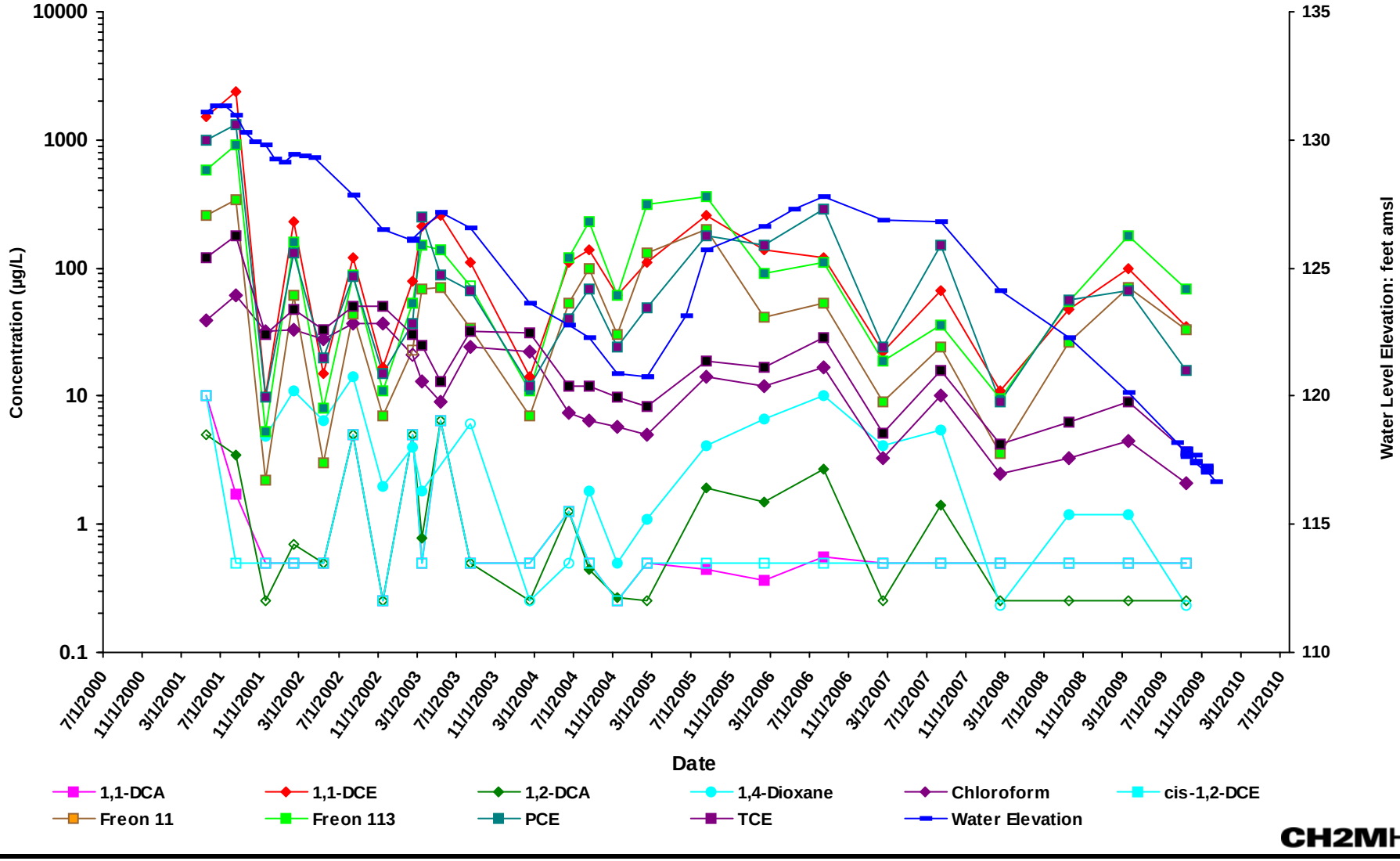
CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane
1,1-DCE: 1,1-Dichloroethene
1,2-DCA: 1,2-Dichloroethane
1,4-Dioxane: 1,4-Dioxane (p-dioxane)
cis-1,2-DCE: cis-1,2-Dichloroethene
Freon 11: Trichlorofluoromethane
Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane
PCE: Tetrachloroethene
TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW4A

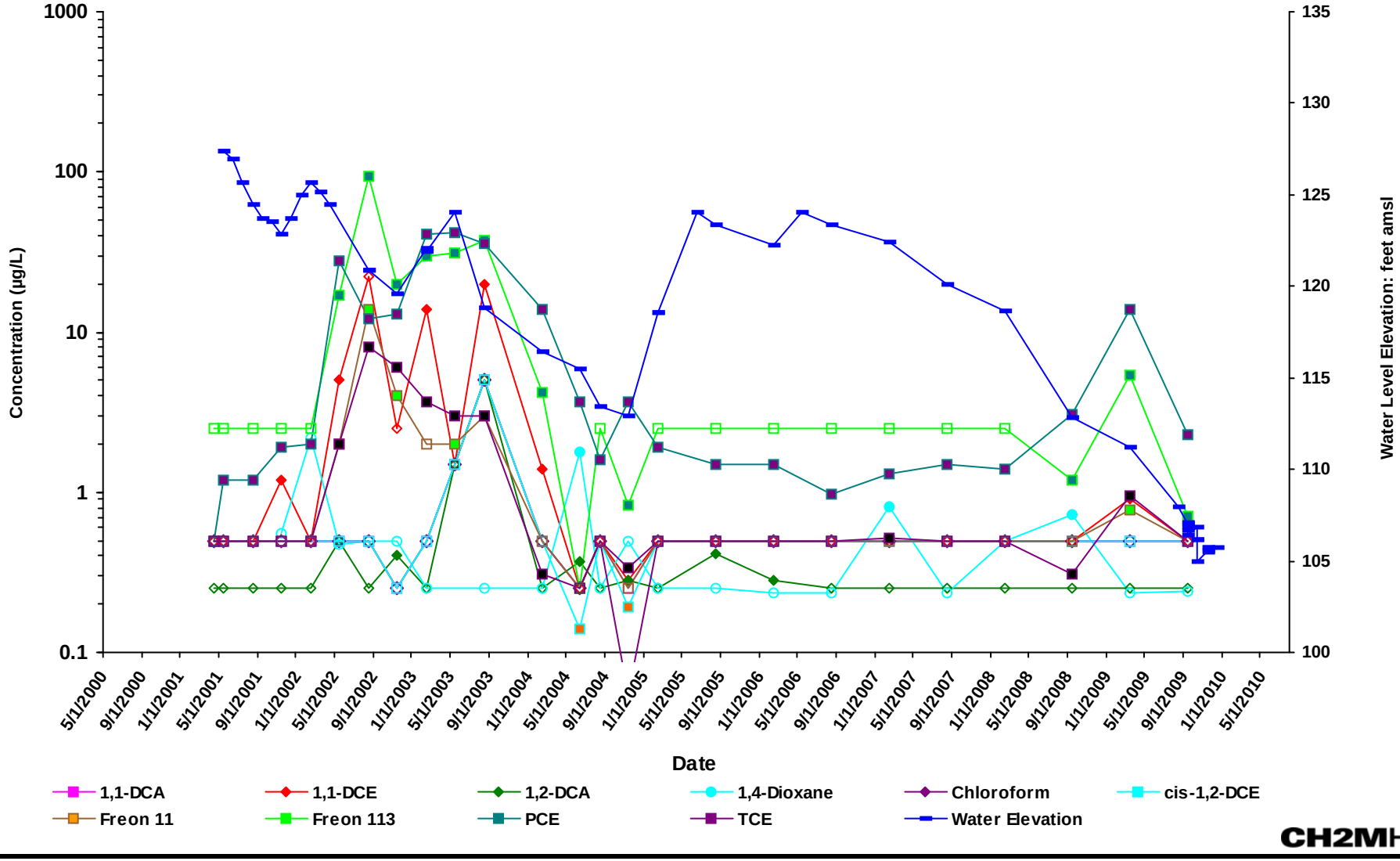


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW4B



CH2MHILL

Notes:

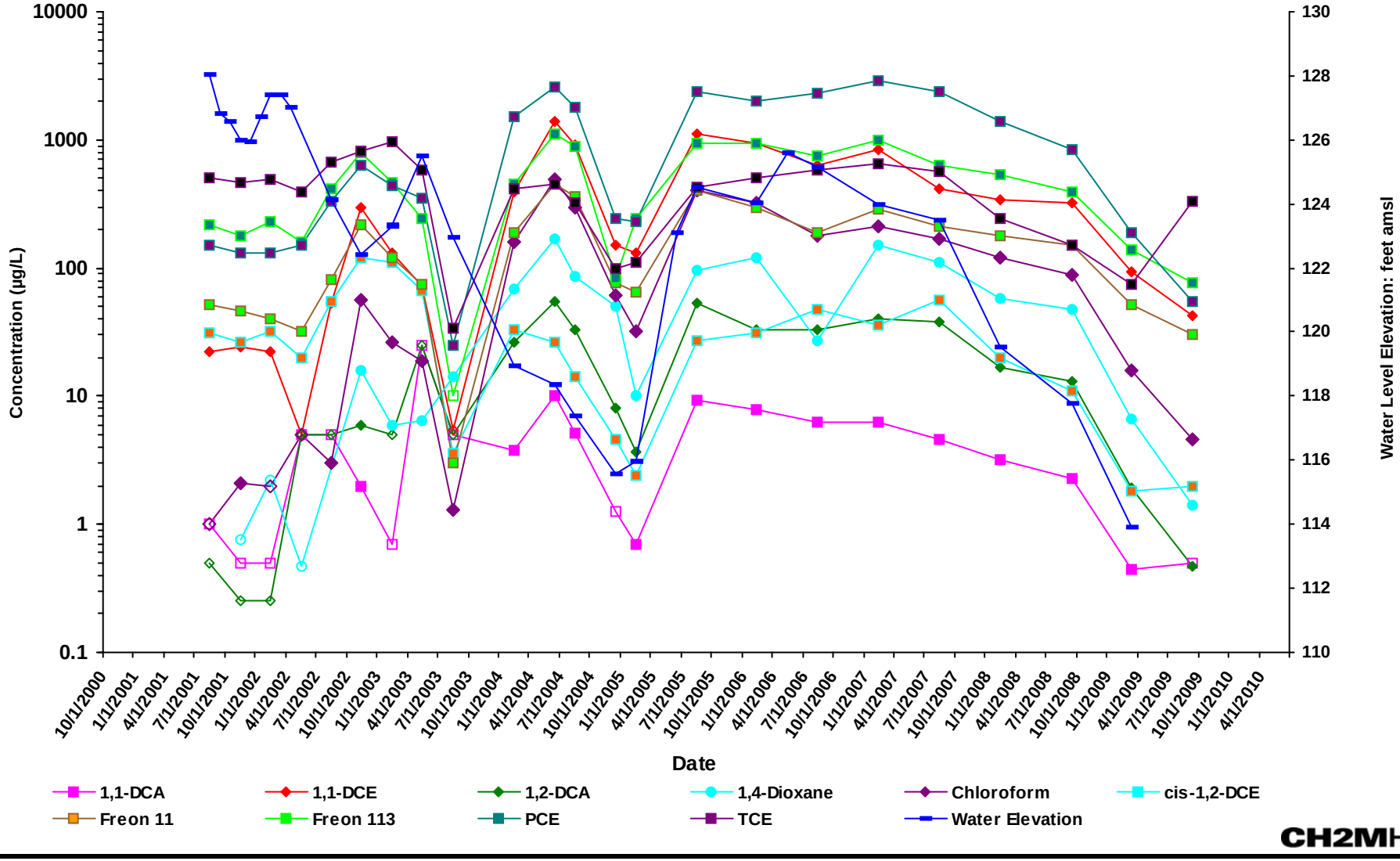
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW5

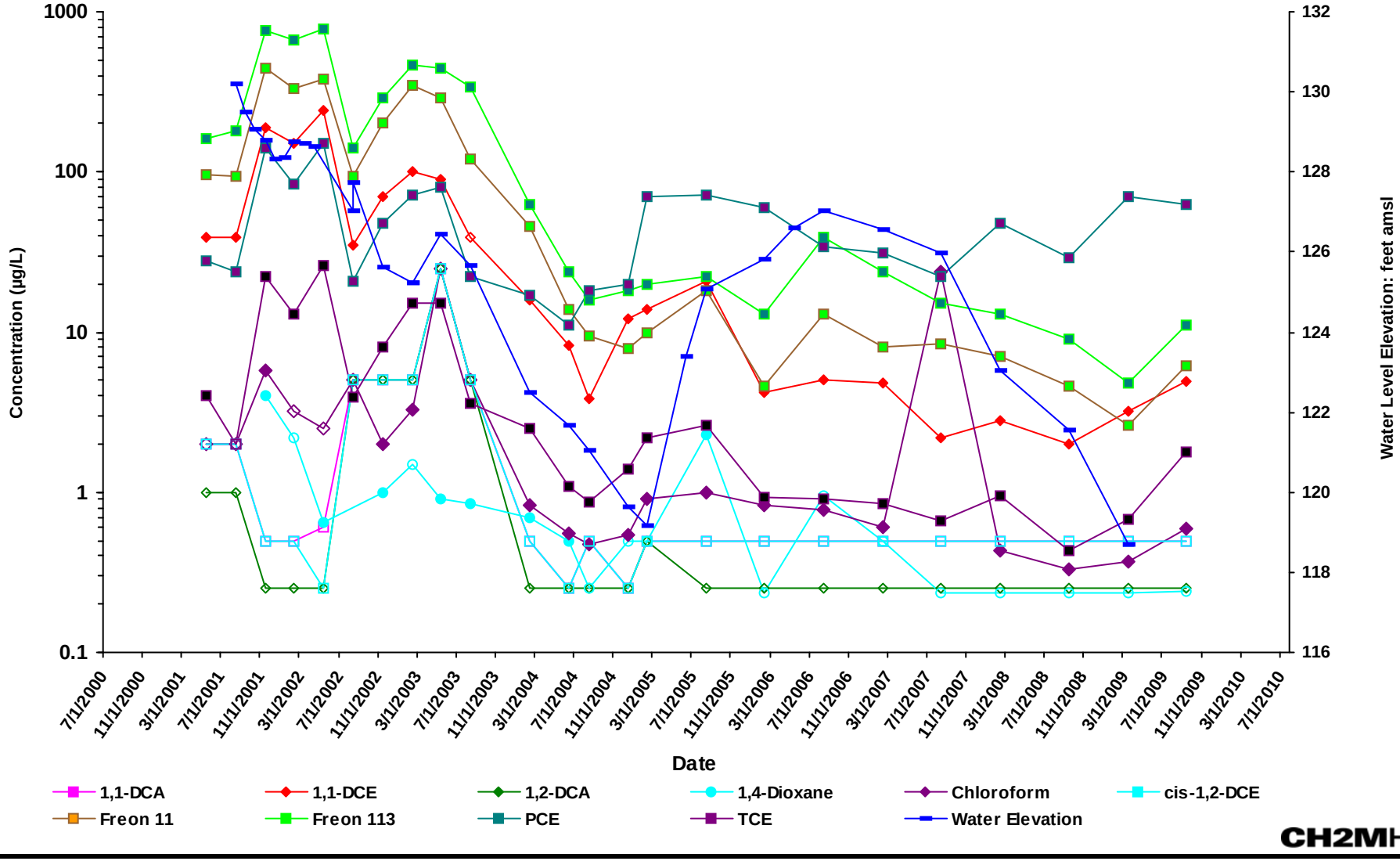


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW6



CH2MHILL

Notes:

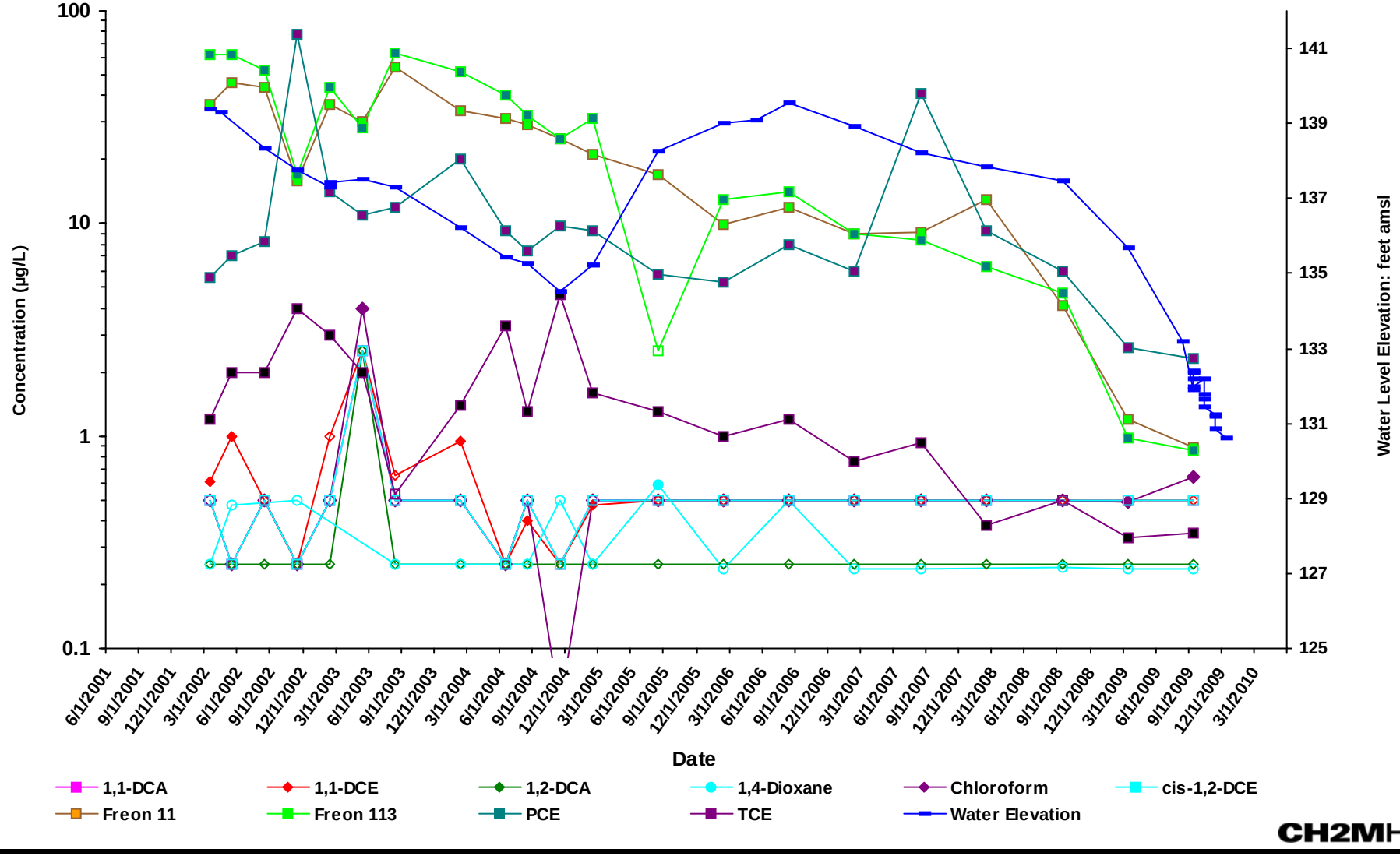
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW7



CH2MHILL

Notes:

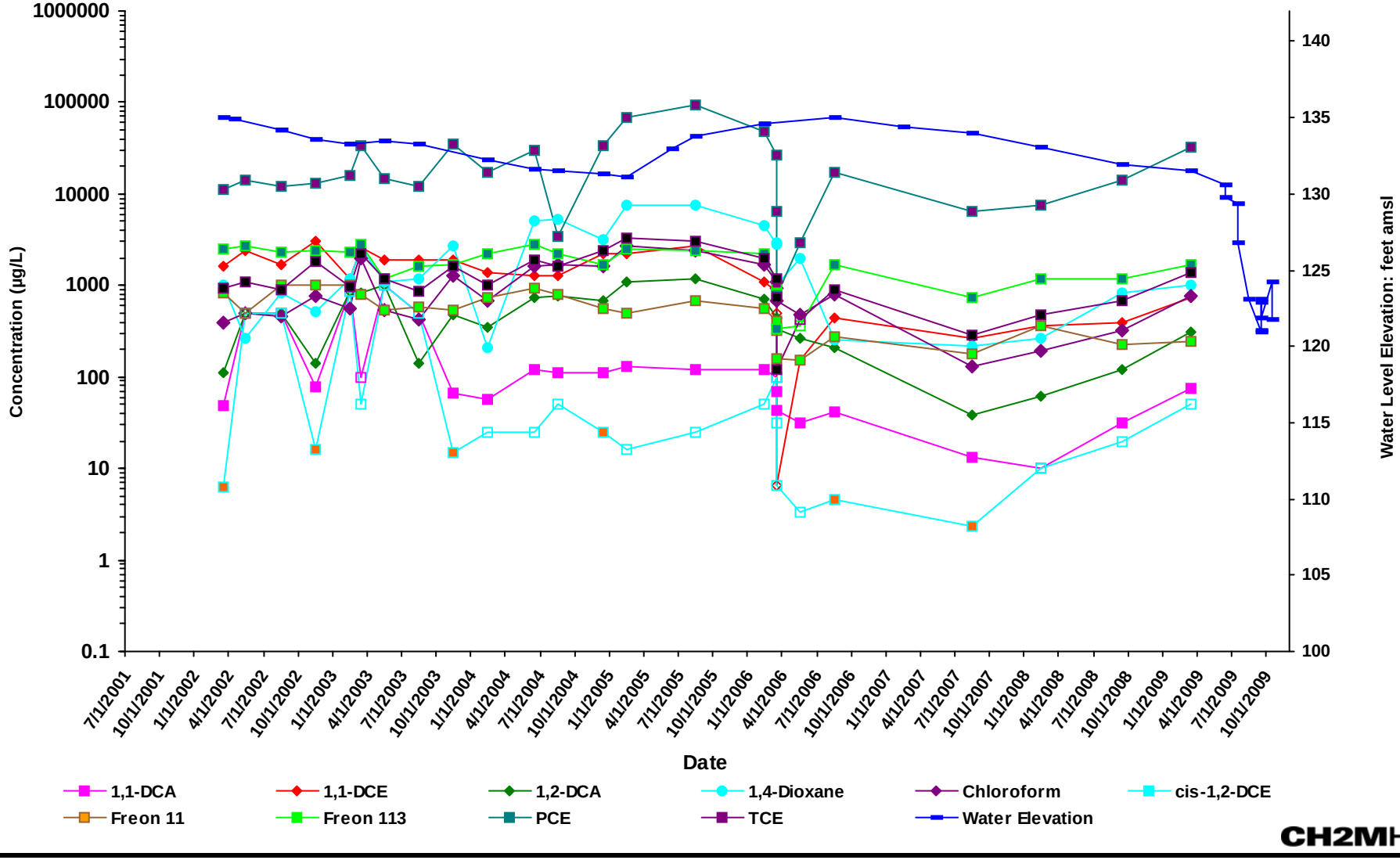
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW8A

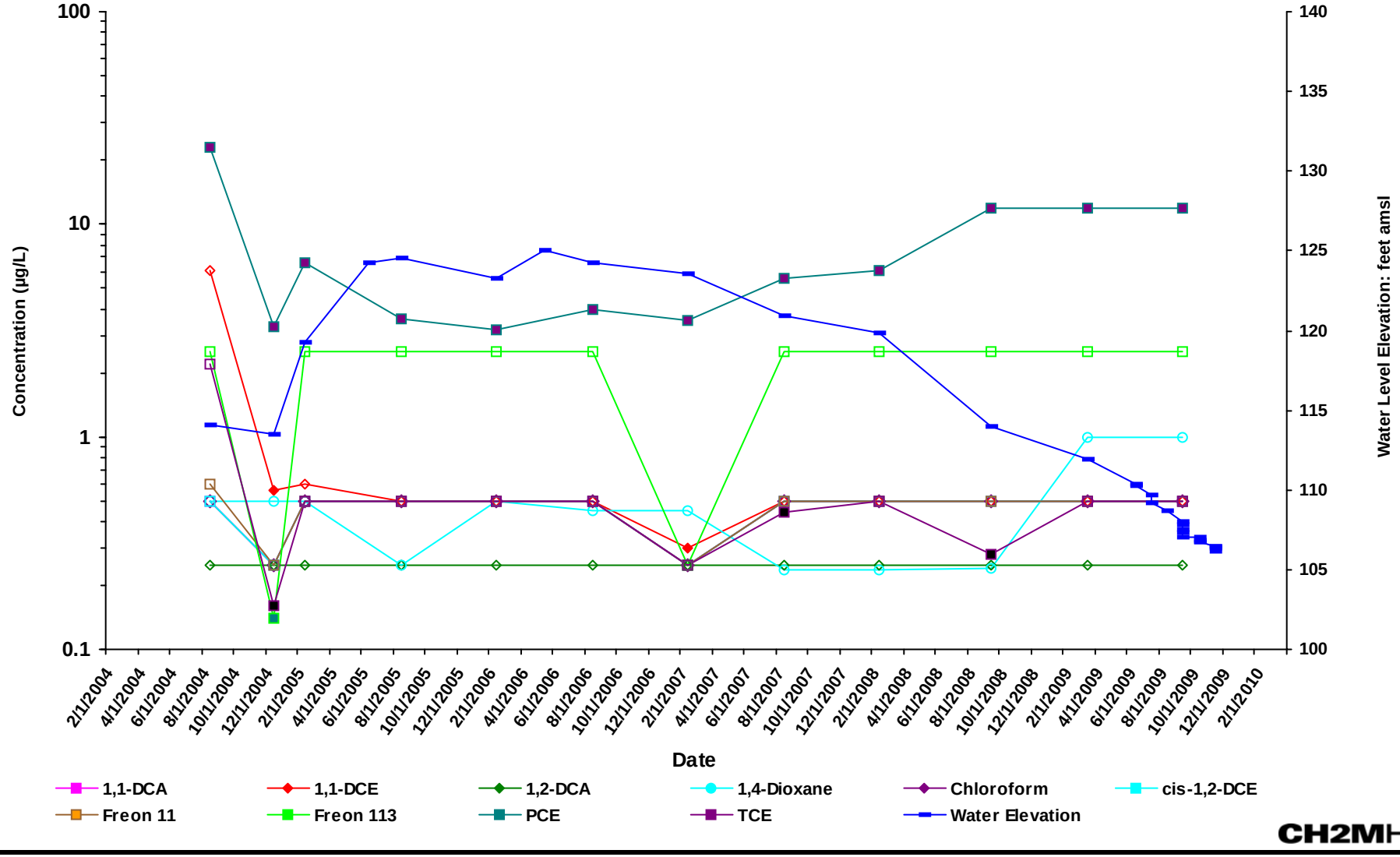


Notes:

1,1-DCA: 1,1-Dichloroethane
1,1-DCE: 1,1-Dichloroethene
1,2-DCA: 1,2-Dichloroethane
1,4-Dioxane: 1,4-Dioxane (p-dioxane)
cis-1,2-DCE: cis-1,2-Dichloroethene
Freon 11: Trichlorofluoromethane
Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane
PCE: Tetrachloroethene
TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW8B



CH2MHILL

Notes:

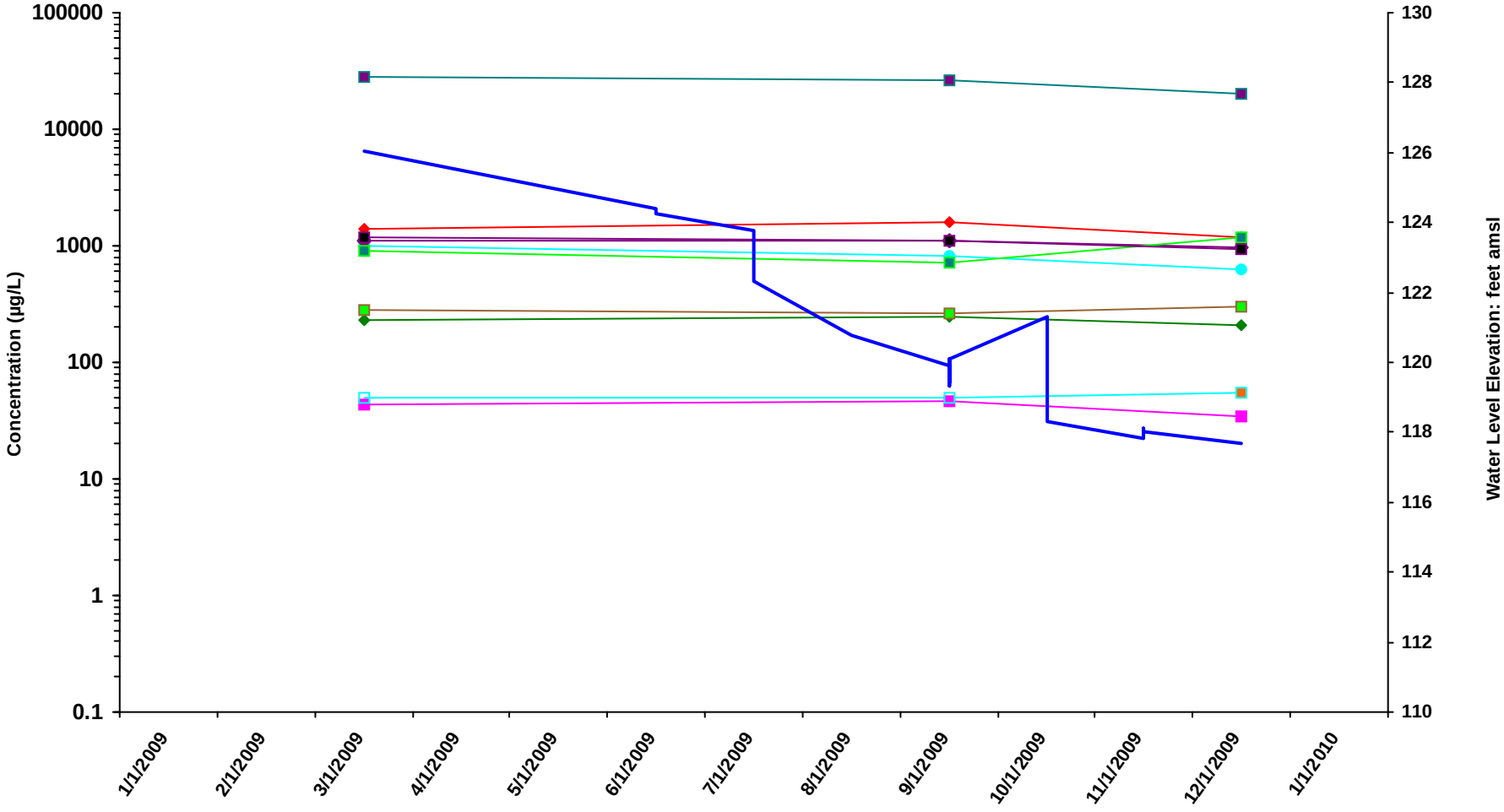
1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**

cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**

TCE: Trichloroethene

Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW9

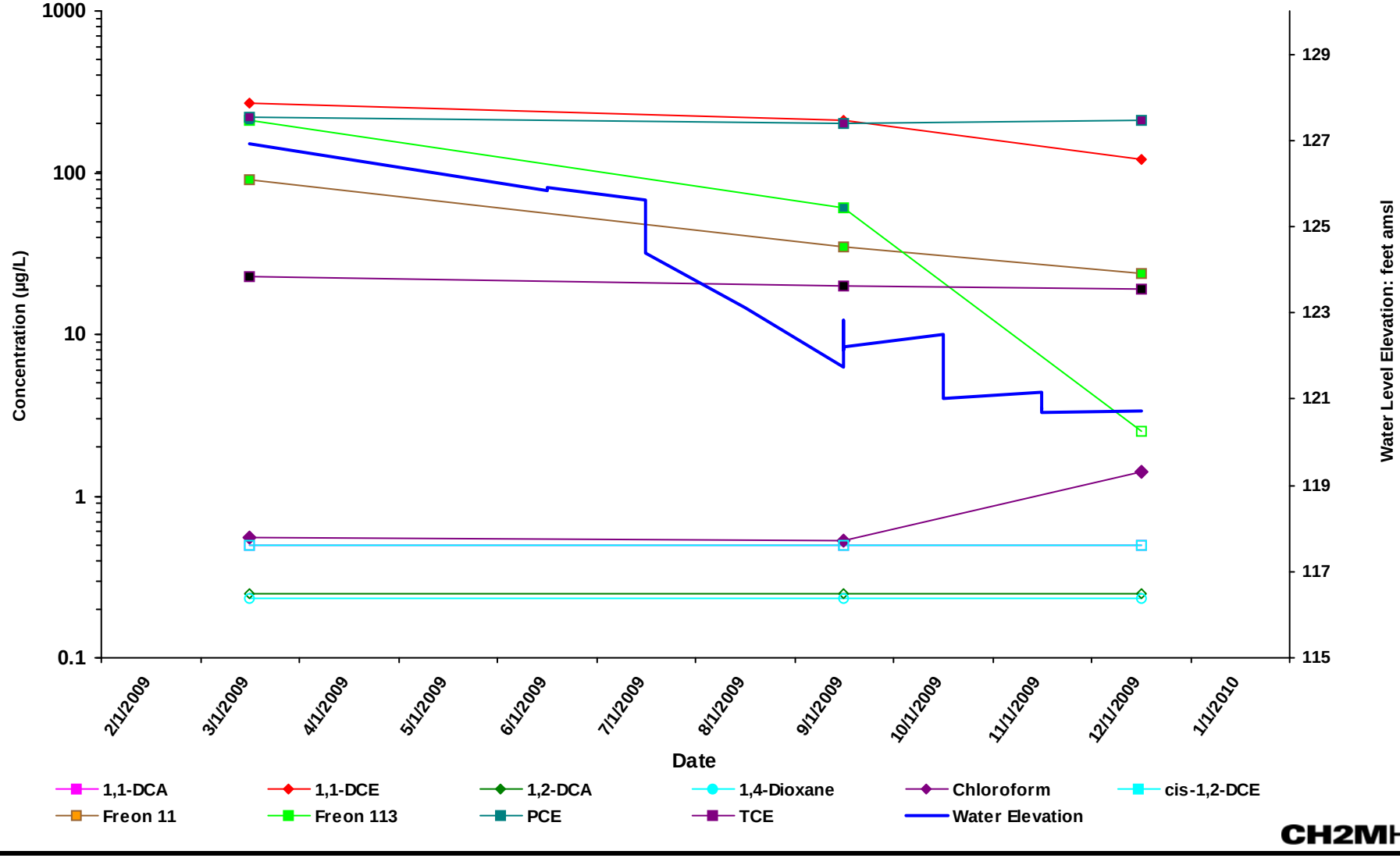


CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations

Omega Chemical Superfund Site
OW10



CH2MHILL

Notes:

1,1-DCA: 1,1-Dichloroethane **1,1-DCE: 1,1-Dichloroethene** **1,2-DCA: 1,2-Dichloroethane** **1,4-Dioxane: 1,4-Dioxane (p-dioxane)**
cis-1,2-DCE: cis-1,2-Dichloroethene **Freon 11: Trichlorofluoromethane** **Freon 113: 1,1,2-Trichloro-1,2,2-trifluoroethane** **PCE: Tetrachloroethene**
TCE: Trichloroethene
Open symbol indicates reporting limit for non-detected concentrations