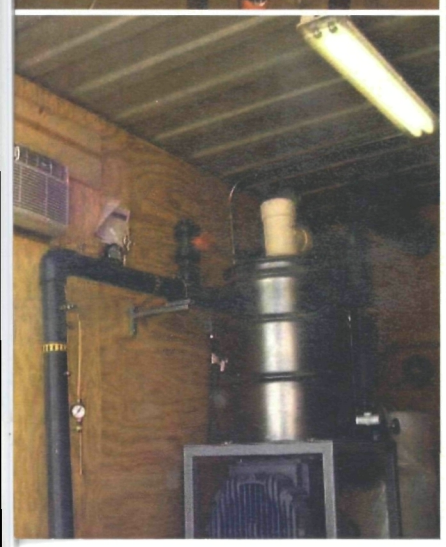

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Modesto Superfund Site
Modesto, California

Pre-Placed Remedial Action Contract

Quarterly Operations and Monitoring Report

Contract DACA05-99-D-0012
Task Order CM-10

Third Quarter 2009

November 2009

MWH

MWH

24 November 2009

Mr. William Nevius, Contracting Officer
U.S. Army Corps of Engineers
Sacramento District
1325 J Street
Sacramento, CA 95814-2922

CM-10-476

SUBJECT: Quarterly Operations and Monitoring Report, Third Quarter 2009
01 August through 30 September 2009
Modesto Superfund Site, Modesto, California
Contract DACA05-99-D-0012, Task Order CM-10

Dear Bill:

In accordance with our contract, MWH Americas, Inc. (MWH) is submitting a copy of the Third Quarter 2009 Quarterly Operations and Monitoring Report, 01 August through 30 September 2009 for the Modesto Superfund Site. This report discusses the monitoring and sampling program, evaluates the performance of groundwater treatment and soil vapor extraction systems, and provides results and recommendations. This report has also been forwarded according to the distribution list noted below.

Should you have questions or comments, please call me at (916) 418-8363.

Sincerely,

MWH Americas, Inc.

Calvin Erdman

Calvin Erdman, P.G.
Project Manager

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BUILDING A BETTER WORLD

QUARTERLY OPERATIONS AND MONITORING REPORT GROUNDWATER TREATMENT AND SOIL VAPOR EXTRACTION REMEDIATION SYSTEMS

THIRD QUARTER 2009

MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

NOVEMBER 2009

Contract DACA05-99-D-0012
PRAC Task Order CM-10

Prepared for:

U.S. Army Corps of Engineers
Sacramento District

Prepared by:

MWH Americas, Inc.
Sacramento, California

QUARTERLY OPERATIONS AND MONITORING REPORT
GROUNDWATER TREATMENT AND SOIL VAPOR
EXTRACTION REMEDIATION SYSTEMS
THIRD QUARTER 2009
MODESTO SUPERFUND SITE

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ACRONYMS AND ABBREVIATIONS

µg/L	micrograms per liter
bgs	below ground surface
City	City of Modesto
CPT	cone penetrometer
DNAPL	dense nonaqueous-phase liquid
DQO	data quality objective
DTW	depth to water
E&E	Ecology and Environment, Inc.
EPA	U.S. Environmental Protection Agency
GAC	granular activated carbon
gpm	gallons per minute
GWT	groundwater treatment
LCS	laboratory control sample
LDC	Laboratory Data Consultants
MCL	maximum contaminant level
MDL	method detection limit
MS	matrix spike
MSD	matrix spike duplicate
msl	mean sea level
MWH	MWH Americas, Inc.
MWHC	MWH Constructors, Inc.
O&M	Operation and Monitoring
P&ID	process and instrumentation diagram
PARCC	precision, accuracy, representativeness, completeness, and comparability
PCE	tetrachloroethene
pCi/L	picoCuries per liter
ppbv	parts per billion by volume
PQL	practical quantitation limit
QA	quality assurance
QC	quality control
ROD	Record of Decision
RPD	relative percent difference
SAP	Sampling and Analysis Plan
scfm	standard cubic feet per minute
SVE	soil vapor extraction
TDS	total dissolved solids
TOC	top of casing
USACE	U.S. Army Corps of Engineers
VOC	volatile organic compound

PROJECT STAFF

This quarterly report entitled "Quarterly Operations and Monitoring Report" for the Modesto Superfund Site in Modesto, California, was prepared under the direction of the U.S. Environmental Protection Agency (EPA), Region 9, and the U.S. Army Corps of Engineers (USACE), Sacramento District. The following key project staff with the EPA, the USACE, and MWH Americas, Inc. (MWH) provided technical leadership and review:

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1.0 INTRODUCTION

This is the third quarter 2009 Quarterly Operations and Monitoring (O&M) Report for the Modesto Superfund Site, and the thirty-third consecutive quarterly report prepared by MWH Americas, Inc. (MWH). The reporting period for this report is from 01 July through 30 September 2009. The purpose of this report is to describe the monitoring and sampling program, summarize the performance of the systems, and provide results of routine system operations. This section gives an overview of the site history and report layout.

1.1 SITE HISTORY

The City of Modesto (City) is located approximately 80 miles southeast of Sacramento, in Stanislaus County, California (Figure 1-1). The Modesto Superfund Site is located in a commercial area on McHenry Avenue, south of Orangeburg Avenue, behind Halford's Cleaners (941 McHenry Avenue).

In 1984, through routine sampling of water supply wells, the City discovered contamination in Municipal Well 11 at the corner of Magnolia and Mensinger avenues (Figure 1-2). Laboratory analysis of the Municipal Well 11 sample collected in 1984 indicated tetrachloroethene (PCE) in excess of the federal and state maximum contaminant level (MCL) of 5 micrograms per liter (µg/L). PCE is an industrial solvent commonly used in dry cleaning, and was found to have originated at Halford's Cleaners, approximately 1,000 feet away from Municipal Well 11.

Municipal Well 11 was taken out of service by the City in 1984 and reactivated in April 1987 when levels of PCE and other chlorinated solvents were not detected above the MCL. In February 1989, Municipal Well 11 was again taken out of service after PCE concentrations exceeded the MCL for a second time. The well remained out of service until the City installed a wellhead granular activated carbon (GAC) treatment system in May 1991. The GAC system reduced the PCE concentration to below the MCL before the water entered the public supply system. Municipal Well 11 was returned to service in June 1991 and operated until October 1995, when the City indefinitely deactivated the well because naturally occurring uranium was detected above the MCL of 20 picoCuries per liter (pCi/L).

The Modesto Superfund Site was placed on the U.S. Environmental Protection Agency's (EPA's) National Priorities List on 31 March 1989. In December 1989, the EPA's Emergency Response Section collected soil and soil vapor samples in the vicinity of Halford's Cleaners. Based on the data

obtained, the EPA selected the technology for treatment and removal of the contamination. The selected treatment technology for the Modesto Superfund Site includes a soil vapor extraction (SVE) system and a groundwater treatment (GWT) system. The objectives of the SVE and GWT systems are to remediate the source area and to contain the groundwater contamination plume. The treatment systems were constructed by Diversified Remediation Controls, installed by Tyree Organization, and operated by Ecology and Environment, Inc. (E&E). Installation of the SVE and GWT systems was completed on 16 May 2000 and 12 June 2000, respectively.

Both systems operated intermittently between May and October 2000 because there was difficulty operating the systems continuously without frequent operator attention. MWH has since been contracted by the U.S. Army Corps of Engineers (USACE) to operate, maintain, and report on the progress of the remedial systems.

During the fourth quarter of 2008, construction was completed on significant planned expansions of both the groundwater monitoring well network and the SVE system. Beginning on 13 October 2008, MWH installed 16 additional groundwater monitoring wells to delineate the lateral and vertical extents of the groundwater plume. All fieldwork was performed in accordance with the *Addendum to Work Plan for Supplemental Site Investigation and Remedial Optimization* (MWH, 2008b). Section 2.2 of the fourth quarter 2008 *Quarterly Operations and Monitoring Report* (MWH, 2009a) provides a more detailed description of the groundwater monitoring well installations. Section 2.3 of the fourth quarter 2008 report includes detailed descriptions of a dense nonaqueous-phase liquid (DNAPL) investigation and the installation of three new SVE wells and two new dual-screened soil vapor monitoring wells.

1.2 REPORT LAYOUT

This report has been prepared as follows:

Section 1.0 provides a brief history of the Modesto Superfund Site.

Section 2.0 provides a brief discussion of the site and the remedial systems.

Section 3.0 describes the monitoring and sampling programs for the site and the GWT and SVE systems.

Section 4.0 provides performance evaluations and results of the site and systems. This section includes an update of the site conceptual model based on new stratigraphic data obtained from the monitoring well drilling program, as well as an updated capture zone analysis of current extraction well EW-1R.

Section 5.0 summarizes results' recommendations for the GWT and SVE systems' O&M program.

Section 6.0 provides an analytical data quality review.

Appendix A presents process and instrumentation diagrams (P&IDs) for the GWT and SVE systems. The SVE P&ID has been updated.

Appendix B presents laboratory analytical data tables.

Appendix C presents laboratory data validation reports.

Appendix D presents system uptime logs.

Appendix E presents O&M process logs.

Appendix F presents operational history, including a brief discussion of the routine and nonroutine O&M events performed on the GWT and SVE systems.

2.0 SITE AND SYSTEM DESCRIPTION

Section 2.0 gives an overview of the remedial systems operating at the Modesto Superfund Site.

2.1 SITE DESCRIPTION

The Modesto Superfund Site is located behind Halford's Cleaners and between an auto repair shop and the Season's Lodge (Figure 2-1). Access to the fenced and locked compound is from the Season's Lodge parking lot behind the lodge. All SVE and GWT process equipment is contained within two metal storage containers in the compound.

2.2 GROUNDWATER TREATMENT SYSTEM

The GWT system includes a single extraction well (EW-1R), an equalization tank, particulate filters, an air stripper, two liquid-phase GAC vessels, one vapor-phase GAC vessel, and two ion exchange units, as well as piping and control systems. The GWT system P&ID is included in Appendix A. The liquid-phase GAC vessels act as polishing vessels treating the water from the air stripper, and the vapor-phase GAC vessel treats the air stream from the air stripper. The ion exchange units are installed in series after the polishing carbon vessels to remove low levels of naturally occurring uranium from the groundwater before discharge to the sewer. The design flow rate of the system is 50 gallons per minute (gpm). The aboveground components of the system are contained in an 8.5- by 8.5- by 20-foot metal storage container. A secondary containment unit equipped with a sump pump is located underneath the storage container. If a leak occurs, water from the sump is pumped to the equalization tank, and then treated before it is discharged to the sewer. Additional information can be found in the O&M Manual (MWH, 2002), which discusses in detail the operating equipment (manufacturers, models, standard settings, inspection frequency, troubleshooting, etc.) in the GWT trailer.

During the fourth quarter of 2008, 16 additional groundwater monitoring wells were installed. In addition to the network of 15 existing groundwater monitoring wells, the monitoring wells were used to evaluate the groundwater treatment system performance and delineate the PCE plume centered near Halford's Cleaners (Figure 2-2). The groundwater monitoring wells are located throughout the site in residential and business communities. Details of the installation of the 16 new wells are described in Section 2.2.1 of the fourth quarter 2008 report (MWH, 2009a). Table 2-1 provides construction details for groundwater and soil vapor monitoring and extraction wells.

2.3 SOIL VAPOR EXTRACTION SYSTEM

The SVE system includes three extraction wells installed in fourth quarter 2008 (see below), a blower, a condensate collection drum, filters, silencers, one 2,000-pound GAC vessel used for vapor treatment, piping, control systems, and an air conditioning unit. The SVE system P&ID is included in Appendix A. The SVE system is operated by the local programmable logic controller on site, and its designed flow rate is 180 standard cubic feet per minute (scfm). Liquid that accumulates in the condensate collection drum is pumped to the equalization tank in the GWT system for treatment before discharge to the sewer. The aboveground system components are contained in an 8- by 8.5- by 12.75-foot metal storage container, except the vapor GAC vessel. The vapor GAC vessel is located outside, next to the trailer within the fenced compound. Additional information can be found in the O&M Manual (MWH, 2002), which discusses in detail the operating equipment in the SVE trailer (manufacturers, models, standard settings, inspection frequency, troubleshooting, etc.). The extraction wells are located approximately 3 to 5 feet from the northwestern corner of Halford's Cleaners in the alley north of the building, within what is considered to be the source area. The monitoring points are located north and east of the SVE wells. Figure 2-3 shows the location of the SVE wells, the vapor monitoring wells, and the conveyance piping configuration.

The system was expanded during the fourth quarter of 2008 with the addition of three SVE wells (SVE-02, -03, and -04) and two dual-completion vapor monitoring wells (DP-05 and DP-06). Details of the system expansion are provided in Section 2 of the fourth quarter 2008 report. The boring logs and final well construction tables for both the SVE wells and monitoring points are presented in Appendix G of the fourth quarter 2008 report (MWH, 2009a).

3.0 SAMPLING AND MONITORING PROGRAM

Sampling and monitoring at the Modesto Superfund Site is performed in accordance with the *Sampling Analysis Plan, Modesto Superfund Site, Modesto, California* (SAP) (MWH, 2008a). Table 3-1 presents a sampling schedule from fourth quarter 2009 through fourth quarter 2010, which lists sample locations and associated analytical test methods, phase (water, vapor, etc.), frequency, and date of sampling activity.

The quarterly sampling program consists of two types of sampling, site sampling and system sampling. In the third quarter of 2009, site sampling included the collection of groundwater samples from the network of 31 groundwater monitoring wells and one groundwater extraction well, and the collection of vapor samples from the three SVE wells. System sampling provides data to evaluate the effectiveness of the treatment processes of both the SVE and GWT systems.

3.1 SITE SAMPLING AND MONITORING

Sampling of groundwater and vapor wells during the third quarter of 2009 is described below.

3.1.1 Groundwater Sampling and Monitoring

Depth-to-water (DTW) measurements and groundwater samples were collected from all 31 groundwater monitoring wells during the quarter to delineate the GWT system's influence on the PCE contamination plume. Each monitoring well is measured for DTW from the top of casing (TOC) using an electronic water-level meter. The locked groundwater monitoring well caps are removed from the TOC and the groundwater in the well is allowed to equilibrate for approximately 30 minutes before collecting a DTW measurement. Based on historical data and previous quarterly data results, groundwater samples are collected for analyses, starting with the least contaminated groundwater monitoring well and continuing in order to the most contaminated groundwater monitoring well to minimize the potential for cross-contamination of the groundwater monitoring well samples. Groundwater samples were collected using low-flow purge methods in the existing 15 monitoring wells, and using three-volume purge-and-sample methods in the 16 newly installed groundwater wells. The samples were analyzed for volatile organic compounds (VOCs) using EPA Method 524.2.

At the end of each sampling event, water purged from the groundwater monitoring wells is transferred into the equalization tank located inside the GWT system. Section 1.6 of the SAP (MWH, 2008a) provides the detailed sampling procedure.

MWH collected DTW measurements on 10 August 2009 and groundwater samples from 11 through 14 August 2009. Site performance is discussed in further detail in Section 4.1.2, based on validated data from these monitoring wells. The fourth quarter 2009 sampling event is scheduled for 9 November 2009.

3.2 SYSTEM SAMPLING AND MONITORING

Sampling and monitoring of the GWT and SVE systems at the Modesto Superfund Site are performed in accordance with the City Conditional and Revocable Groundwater Discharge Permit Number GW 98-3, (City of Modesto, 2007) and the SAP (MWH, 2008a). The sampling schedule for the GWT and SVE systems provides the sample description, sample port/sample location, sample identification, analytical method, phase (water, vapor, etc.), frequency, and date of sampling activity (Table 3-1). Generally, there are two categories of samples collected from the remedial systems, compliance monitoring and performance monitoring. Compliance-monitoring samples are collected to satisfy regulatory requirements, and performance-monitoring samples are collected to assess the performance of the remedial systems.

Compliance-monitoring samples for the GWT system, as identified by the City, are collected monthly from the extraction well and system effluent during periods when the system is operational. Performance-monitoring samples are collected from the various process units to monitor the performance and efficiency of the individual units. The GWT system performance-monitoring samples are collected from the carbon influent, carbon mid-bed, post-carbon/pre-ion exchange, and ion exchange mid-bed. System effluent samples are analyzed for VOCs monthly, total dissolved solids (TDS) monthly, and total uranium quarterly. Figures A-1 and A-2 in Appendix A illustrate the locations of the sampling ports for the GWT system. The SVE system performance samples are collected at the pre-GAC and stack sample ports. Figure A-3 in Appendix A illustrates the locations of the sampling ports for the SVE system.

4.0 PERFORMANCE EVALUATION

This section describes site-performance and system-performance evaluations. A site-performance evaluation assesses the results of monitoring the groundwater PCE contamination plume and PCE contamination in the vadose zone. With the addition of stratigraphic and water quality data from the 16 new groundwater monitoring wells, the groundwater site evaluation has been reorganized based on an updated conceptual model that recognizes a vertical zonation of stratigraphic horizons and contaminant distribution. The system-performance evaluation summarizes the remedial progress of the GWT and SVE systems. Both of these evaluations are based on analytical laboratory results and subsequent data evaluations. A complete set of validated analytical data for groundwater and soil vapor samples collected from the site and system during this reporting period is presented in Appendix B. Appendix C presents the laboratory data validation reports for this reporting period's analytical data. Appendices B and C are discussed further in Section 6.0.

4.1 SITE PERFORMANCE

The following section discusses the results of the groundwater monitoring well sampling and soil vapor well sampling events for the third quarter of 2009. An updated stratigraphic conceptual model and well designation scheme is outlined in Section 4.1.1. The updated conceptual model is based on the continuous core data collected during drilling of the deep borings in which the deepest of the new wells were constructed. In addition, an updated capture zone analysis of extraction well EW-1R is discussed in Section 4.1.4, based on groundwater gradients and a new groundwater model for the site and surrounding regions.

4.1.1 Updated Stratigraphic Conceptual Model

This section was first presented in the fourth quarter 2008 report (MWH, 2009a) and is largely repeated herein.

Before the installation of the new monitoring wells during this reporting period, the deepest well monitored at the site was MW-9, with a screened interval from 144 to 154 feet below ground surface (bgs) (-52.82 to -62.82 feet mean sea level [msl]). During the Supplemental Site Investigation conducted in January 2007 (MWH, 2008b), a direct-push cone penetrometer (CPT) rig was employed to collect detailed stratigraphic data and depth-discrete groundwater

samples at depths ranging from 140 feet bgs near MW-4 to 120 feet bgs near the current location of well cluster MW-20. Using these data, a refined stratigraphic conceptual model was presented in the *Addendum to Work Plan for Supplemental Site Investigation and Remedial Optimization, Well Installation* (MWH, 2008b, Appendix A). The CPT stratigraphic data in particular were useful in delineating two relatively transmissive and generally correlative sandy horizons to the depths investigated. These sandy horizons were designated as an upper A-zone and a lower B-zone, with the two zones separated by an aquitard layer composed of variably cemented very fine-grained sands, silt, and minor clay. The water table occurs in the A-zone horizon, as do most monitoring wells installed before the fourth quarter of 2008 (see MWH, 2008b, Appendix A, slide #3).

The continuous-core data collected from the deepest borings installed at MW-4, MW-10, MW-16, MW-17, and MW-20 has significantly expanded the understanding of the stratigraphy and its relationship to the distribution of PCE in groundwater. A continuous vertical profile of the stratigraphy is now available to depths of 230 to 240 feet bgs (up to -145 feet msl) at a distance of about 1,750 feet downgradient from the source area at Halford's Cleaners. The stratigraphic data allows for further reinterpretation, refinement, and expansion of the conceptual site model, both laterally and vertically. Figure 4-1 is a fence diagram incorporating the recent core data that illustrate the current understanding of the stratigraphy beneath the site to the furthest downgradient points investigated (well clusters at MW-16 and MW-17, respectively). Three hydrostratigraphic zones are herein defined; termed the A-Zone, B-zone, and C-zone (Figure 4-1). Each zone comprises a relatively contiguous horizon of transmissive sands and silty sands, which are overlain and underlain by aquitard layers comprising variably cemented silt and cemented very fine-grained sand. The stratigraphic conceptual site model was recently expanded into surrounding regions using lithologic data obtained borings at other cleanup sites, as well as from drillers' logs of several municipal and private supply wells. The model was expanded to support development of a groundwater model for the site and surrounding regions. The expanded stratigraphic model and groundwater model are presented in the report entitled: *Groundwater Remediation Optimization Methods* (MWH, 2009c).

Descriptions of the physical characteristics of each zone, some of which may affect the distribution or migration of PCE, are as follows:

General Stratigraphic Characteristics and the A/B-Aquitard

In general, there are three relatively correlative and contiguous sandy horizons beneath the Modesto Superfund Site; an upper sandy horizon included within the A-zone (described below), and two lower-level sandy horizons contained within the B- and C-zones, respectively (described below). An aquitard unit, the A/B-aquitard, separates the upper and lower sandy horizons. The A/B-aquitard comprises variably cemented silt, very fine-grained cemented sands, and minor thin (2 to 4 feet thick) clay layers or thinner lenses. The aquitard decreases in thickness and elevation from north (near the source area) to south. To the south at the MW-17 well cluster, the aquitard is about 40 to 45 feet thick and occurs from about 85 feet bgs (5 feet msl), near the base of the shallowest well (MW-17A), to about 130 feet bgs (-40 feet msl, Figure 4-1). To the north, an approximately 80-foot-thick aquitard zone of predominantly silt, clay, and highly cemented sands occurs from about 60 feet bgs (30 feet msl) to about 140 feet bgs (-50.0 feet msl). However, it is important to note that beneath the source area, the aquitard unit is bifurcated into upper and lower portions, separated by an approximately 10- to 12-foot-thick horizon of poorly graded relatively transmissive sand. Several of the older existing shallow monitoring wells (e.g., MW-2, MW-5, MW-8) have portions of their screened intervals within this sandy horizon between the bifurcated aquitard, as well as the lower portion of the screened interval of the operating extraction well EW-1R. Because this sand horizon appears relatively discontinuous, it is herein included in the overall "upper" sandy horizon as part of the A-zone, as described below (Figure 4-1). As such, only the lower portion of the bifurcated aquitard is included in the A/B-aquitard proper, which separates the upper sandy horizons in general from a very distinct sand horizon encompassed within the B-zone, as described below.

A-Zone

The A-zone occurs from the water table to the top of the A/B-aquitard. Overall, the A-zone contains a relatively high proportion of fine- to medium-grained transmissive sands and silty sands, although the thickness and lateral continuity of individual sand beds is quite variable. Toward the south-southwestern portions of the site from about MW-10 south to the well clusters at MW-17, the A-zone contains a distinct and continuous 20- to 25-foot-thick horizon of poorly graded sand (Figure 4-1). To the southeast near the well cluster at MW-16 and also to the north in the source area, the sandy horizons are less contiguous and are interfingered with silty to clayey sands, clay lenses, or cemented silts. As described above, the A-zone in the source area also includes the upper portion of the bifurcated aquitard unit and the sand zone below. The base of the A-zone occurs at about 95 to 100 feet bgs (-5.0 to -10.0 feet msl) near the source

areas, at about 85 feet bgs (5.0 feet msl) near the well clusters at MW-17, and at about 105 feet bgs (-13 feet msl) near the well clusters at MW-16.

Within the framework of this updated stratigraphic conceptual model, it is now evident that all the previously existing monitoring wells (with the exception of MW-9B) and the existing operating extraction well EW-1R are all screened within the A-zone and are monitoring or extracting impacted groundwater in the upper sandy horizon above or in some cases within the A/B-aquitard. Beginning with the fourth quarter 2008 report and continuing forward, the names of these wells are modified to include "A" to indicate they are monitoring the A-zone. In addition to existing A-zone wells, five new A-zone wells (MW-16A, -17A, -18A, 19A, and -20A) were installed and have now been sampled during the fourth quarter of 2008 and the first quarter of 2009.

B-Zone

The B-zone occurs from the top of the A/B-aquitard to the top of a lower aquitard unit called the B/C-aquitard that is described below. The B-zone encompasses a 15- to 40-foot-thick, laterally contiguous, fine- to medium-grained sand horizon that is correlative among several of the deep borings (Figure 4-1). The base of the sand horizon is relatively uniform, occurring at about 155 feet bgs (-63 feet msl) at MW-9 and at about 165 feet bgs (-75 feet msl) at the well cluster installed at MW-17. The sand thickens toward the south from about 15 feet thick at MW-9, to about 40 feet thick at MW-17. Toward the southeast at the well cluster at MW-16, the overlying A/B-aquitard thins to about 20 feet thick, and the B-zone sand is at the base of a nearly continuous vertical sandy horizon extending from about 70 feet bgs (22 feet msl) to about 170 feet bgs (-78 feet msl). It can now be seen that MW-9, formerly the deepest well at the site, is monitoring the B-zone sands (Figure 4-1). Six new B-zone wells (MW-4B, -10B, -16B, -17B, -19B, and -20B), were installed downgradient from MW-9 in the fourth quarter of 2008. The names of these wells are modified to include "B" to indicate they are monitoring the B-zone.

The occurrence and geometry of the B-zone sand horizon has significant implications for contaminant distribution and migration. As discussed in the next sections, in the three samples collected to date from wells MW-20B and MW-17B, PCE has been detected at concentrations ranging from 140 to 160 µg/L in MW-20B, and from 31 to 41 µg/L in MW-17B. This demonstrates that PCE has migrated vertically below the A/B-aquitard and into the B-zone

sands. The B-zone sands may act as a preferential or channelized flow pathway for further migration of PCE.

C-Zone

The C-zone occurs from the top of the B/C-aquitard to the total depths investigated and monitored. The B/C-aquitard comprises similar lithology as the A/B-aquitard, consisting of variably cemented silt, clay, and minor very fine-grained cemented sand. It is generally thinner than the A/B-aquitard but its thickness is variable. The B/C-aquitard is about 40 feet thick at the wells installed at MW-4, thins to about 10 to 15 feet thick near MW-10 and MW-20, then thickens again to almost 40 feet near MW-17. The water-quality data (discussed below) suggest that the B/C-aquitard is an effective barrier to downward vertical migration of PCE, particularly in the downgradient areas investigated. Fine- to medium-grained sand, interbedded with silty sand, occurs below the aquitard unit. This sandy horizon is also of variable thickness and continuity. It is most prominent around the MW-10 and MW-20 well locations, where the sandy horizons are up to 40 to 45 feet thick, but the sands thin to just 5 to 10 feet thick at MW-17 (Figure 4-1).

Five new C-zone wells (MW-4C, -10C, -16C, -17C, and -20C) were installed downgradient from MW-9 in the fourth quarter of 2008. These wells have the "C" modifier to indicate they are monitoring the C-zone.

4.1.2 Groundwater Monitoring Well Sampling

Based on DTW measurements taken on 10 August 2009, overall groundwater elevations ranged from 42.16 feet msl (MW-1A) to 47.47 feet msl (MW-11A) in the A-zone, 43.15 feet msl (MW-16B) to 44.66 feet msl (MW-9B) in the B-zone, and 36.78 feet msl (MW-17C) to 37.35 feet msl (MW-20C) in the C-zone. Comparing third quarter 2009 to second quarter 2009 water levels in A-zone wells, water-level elevations decreased at an average of about 1.77 feet across the site; water levels in B-zone wells decreased at an average of 2.21 feet across the site; and water levels in C-zone wells decreased an average of 4.54 feet across the site. The much larger relative decease in potentiometric heads in the C-zone is believed to be the result of increased pumping in local supply wells. This is discussed in more detail in Section 4.1.5. Pumping histories from January 2000 through August 2009 for City supply wells surrounding the site are compiled in the *Groundwater Remediation Optimization Methods* Report (MWH, 2009c,

Appendix B) A complete list of historic (starting in 2000) and current water-level measurements is presented in Table 4-1, and a summary of well-construction details is presented in Table 2-1.

Figures 4-2, 4-3, and 4-4 present the potentiometric surface data together with PCE isoconcentration contours for the A-, B-, and C-zones, respectively. Figure 4-2 (A-zone) depicts flow direction to the southeast, consistent with previous quarters. It also shows the continued, induced cone-of-depression around EW-1R, which was operating at approximately 50 gpm at the time of measurement. The average hydraulic gradient along the direction of regional groundwater flow for the A-zone is approximately 0.0017, or about 9 feet/mile. Figure 4-3 depicts the B-zone potentiometric surface. The flow direction is east/southeast with a gradient of 0.0029 (about 15 feet/mile). Figure 4-4 presents the C-zone potentiometric surface contours. The flow direction is to the southwest, possibly due to the influence of pumping from Municipal Well 7. The C-zone hydraulic gradient, 0.00043 or about 2.3 feet/mile, is much more shallow than either the A-zone or B-zone.

The distribution of PCE contamination in groundwater is illustrated with isoconcentration contour lines (lines of equal concentration) on Figures 4-2, 4-3, and 4-4 for the A-, B-, and C-zones, respectively. Table 4-2 includes historical and current quarterly groundwater monitoring well analytical results and pH levels from water samples. Figures 4-5(a) through 4-5(ae) present historic time concentration plots for PCE for each monitoring well for the period from February 1992 through September 2009. Historic PCE data were provided by E&E (E&E, 2001).

A-Zone

As depicted in Figure 4-2, the PCE plume boundary is interpreted to the MCL for PCE (5.0 µg/L). The plume extends south-southeast in the general direction of the groundwater gradients, consistent with the previous quarters. PCE detections in groundwater were generally consistent with previous quarters. Notable observations include:

- The third quarter PCE concentrations in wells MW-1A (1.4 µg/L), MW-2A (4.8 µg/L), MW-3A (45 µg/L), MW-5A (79 µg/L), MW-8A (9.8 µg/L) represent historical lows for PCE.

B-Zone

Figure 4-3 depicts the B-zone PCE plume and potentiometric surface contours. Seven wells are screened in the B-zone, which include existing well MW-9B, and the six more recently installed B-zone monitoring wells MW-04B, -10B, -16B, -17B, -19B, and -20B. The plume shape has not changed since PCE results are generally consistent with last quarter. Five of the seven B-zone wells have detections above the MCL. Notable observations include:

- The third quarter detection of PCE in well MW-4B (19 µg/L) is the highest detection to date out of the four quarters it has been sampled. Considering the center of mass in the overlying A-zone plume is located upgradient from MW-20B near well MW-4A, the distribution of PCE continues to suggest contaminant migration both laterally toward the south and downward vertically to the B-zone.
- PCE concentrations in wells MW-10B and MW-20B (near the interpreted center of mass of B-zone portion of plume) are consistent with concentrations from previous quarters.
- PCE concentrations in wells MW-16B and MW-19B are consistent with concentrations from previous quarters. These data allow for definition of the MCL boundary in the B-zone to the east and southeast, respectively.
- The third quarter PCE concentration in well MW-17B (40 µg/L) remained consistent with last quarter; over four quarterly samples PCE has ranged between 31 µg/L and 41 µg/L. This well is in a cross-gradient direction to the interpreted center of mass of the plume as described above. The interpretation, based on four consecutive detections in this well, suggests a contaminant lobe extending southwest, possibly representing channelized or directional flow in the B-zone sands described in Section 4.1.1. It has been established that pumping from municipal supply wells can significantly alter and even reverse local groundwater flow directions. The presence of PCE at MW-17B is believed to be the result of pumping from downgradient Municipal Well 7, located 1,000 feet toward the southwest. The City has recently provided MWH with historical flow and water quality data for this well, through August 2009 (MWH, 2009c). The perforated interval for this well is from about 160 to 210 feet bgs (-70 to -120 feet msl); the well is screened across the lower portion of the B-zone sands and through the B/C-aquitard. This is an active well in continuous use by the City, and it has been sampled regularly since 1986 at intervals ranging from 1 to 2 years. The City's records show that Municipal Well 7 has never had a detection of PCE, and MWH has confirmed with the City that there is no carbon treatment unit on this well. Water quality data from Municipal Well 7 should be closely monitored in the future.
- The western and south-southwestern lateral extents of the MCL volume in the B-zone are not defined (Figure 4-3). However, the results from B-zone wells, taken together with results from shallower and deeper zones (C-zone results are discussed below), reveal the overall position and orientation of the center of mass of the PCE plume. This volume is approximately 600 feet wide, 1,300 feet long, and about 40 feet thick, and is oriented north-northwest to south-southeast from just north of MW-3A to just south of MW-20A and -20B. In plain view, the

center of mass corresponds to the area encompassed within the 100-µg/L PCE contour line illustrated on the A-zone map on Figure 4-2.

C-Zone

Figure 4-4 depicts the only C-zone potentiometric surface contours as there are no PCE detections above the reporting limit for this quarter.

Cyclic (likely seasonal) concentration trends in several wells have been well documented at the Modesto Superfund Site, notably in MW-4A, MW-5A, MW-6A, MW-10A, MW-12A, MW-13A, and MW-14A. These patterns continue into the third quarter of 2009. The seasonal "spiking" in PCE concentrations observed in MW-13A in particular (Figure 4-5m) generally corresponds to yearly periods of highest water levels. One effect this has on plume interpretation and depiction in the A-zone (Figure 4-2) is that the western margin of the plume (as depicted with the 5.0-µg/L contour line) tends to swing or balloon out to the west during seasonal periods of high water levels to accommodate the upward fluctuations in PCE concentrations in MW-13A, MW-14A, and, to a lesser extent, MW-6A. In previous reports, these somewhat erratic concentration histories of the western perimeter wells (MW-6A, MW-11A, MW-13A, and MW-14A) have been attributed to potential influences from pumping of municipal supply wells to the west or northwest, perhaps from Municipal Well 14 or 17 (Figure 1-2). However, the recent data transmittal from the City including flow data for all supply wells (MWH, 2009c, Appendix B) shows that Municipal Well 14 has been offline since early 2006, and not in active service since fourth quarter 2003. Municipal Well 17, which has remained in consistent operation, has a 4-foot-long perforated interval about 25 feet lower than the screened zones of MW-13 and -14, but is located more than 4,500 feet northwest of the monitoring wells.

As discussed in more detail in Section 4.1.5, potentiometric data for the C-zone provide direct and observable evidence that local pumping from supply wells affects horizontal and vertical gradients in relatively shallow portions of the saturated zone in the vicinity of the Halford's PCE plume. The groundwater flow direction in the C-zone reversed from southeast to west-northwest from the first to second quarters of 2009, and has remained toward the southwest since that time. Vertical gradients also reversed, shifting from upward between the C-zone and the B-zone during the first quarter of 2009, to strongly downward from the B-zone to the C-zone during the second and third quarters. Both observations support the hypothesis that this response is caused by groundwater pumping, likely from Municipal Well 7 as discussed above.

Alternatively, the observed response in the C-Zone may be part of a larger, regional response in semiconfined to confined horizons to combined regional pumping throughout the area, or it may be in response to pumping from a smaller, nearby private supply well that has not been identified. In any event, it is also important to note that while data from the C-zone confirms an aquifer response at that stratigraphic level to local pumping, the vertical and horizontal gradients in the A-zone around wells MW-13A and MW-14A do not appear to be affected. The groundwater flow direction in this zone has remained consistently southeast, and vertical gradients generally are downward from the A-zone to the B-zone (Section 4.15).

4.1.3 Soil Vapor Well Sampling

In the fourth quarter of 2008, the SVE system was expanded to include three additional extraction wells: SVE-02, SVE-03, and SVE-4. The original extraction well, SVE-01, was converted to a monitoring well. Four new soil vapor monitoring wells (two dual-point vapor monitoring wells in two locations) have also been installed to monitor the vadose zone near the new SVE wells and assumed source area (Figure 2-3). DP-05S and DP-05D monitor the shallow and deeper vadose zone approximately 15 feet north of SVE-02 (shallow), and DP-06S and DP-06D monitor the shallow and deep vadose zone approximately 10 feet east of Halford's Cleaners. Figure 4-6 shows the location of the SVE treatment system, the SVE and monitoring wells, and the associated analytical results posted for each well.

Soil Vapor Extraction Wells

Third quarter 2009 SVE well samples were collected on 10 August 2009. Results can be found on Table 4-3, Table 4-5, and posted on Figure 4-6. Notable observations are as follows.

- SVE-02: PCE concentrations increased from 1,500 parts per billion by volume (ppbv) last quarter to 5,700 ppbv this quarter.
- SVE-03: After a considerable increase in PCE concentrations from first to second quarter 2009, PCE concentrations decreased from 620 ppbv to 88 ppbv this quarter. It was suggested in the first quarter report that the 30 ppbv result from that quarter may be anomalous, however, the result from this quarter may provide a clearer picture of a possible emerging data trend.
- SVE-04: PCE concentrations declined for the second consecutive quarter, going from 180 ppbv last quarter to 140 ppbv this quarter.

Though the PCE concentration increased in SVE-02 this quarter, the overall declining trend in PCE concentrations in the shallow zone documents the expected effectiveness of the treatment system in flushing out the highest vapor mass from the shallowest levels in the vadose zone. SVE-04 has lower overall concentrations of PCE and a more gradual decrease in concentrations through the last four sample events, but SVE-3 had a lower detection of PCE this quarter. Overall trends on all three SVE wells are downward, as expected, indicating that the system is effectively removing vapor mass.

4.1.4 Extraction Well EW-1R Capture Zone Analysis

Analyses of horizontal and vertical capture from extraction well EW-1R are presented on Figures 4-7 and 4-8, respectively. These analyses have been updated based on the latest data from the third quarter of 2009. Two methods are presented on Figure 4-7 to estimate the extent of horizontal capture: flow-vector analysis from the potentiometric surface, and capture-zone analysis from an updated groundwater model.

The flow-vector analysis identifies capture based on the empirical water-level elevation data from the third quarter of 2009. It identifies groundwater divides based on interpreted potentiometric contours, separating areas wherein groundwater flow is interpreted to be deflected either toward or away from a pumping well. This "empirical" capture zone or groundwater divide line is illustrated in green on Figure 4-7. A new and expanded transient groundwater flow model for the site and surrounding region has recently been completed in support of the *Groundwater Remediation Optimization Methods* report (MWH, 2009c). A description of the model is provided in Appendix B of that report. The modeled capture zone for EW-1R pumping at 50 gpm is shown on Figure 4-7, illustrated as the sweep of groundwater flow lines toward the well based on backward particle tracking (i.e., particles released at the well and modeled backwards to determine their starting points).

The horizontal estimates of capture for EW-1R, based on the two methods, are in good agreement. The downgradient extent of capture is interpreted to be between within about 150 feet southeast of MW-4A. Consistent with previous analyses, the horizontal capture-zone depictions highlight that EW-1R is effective at capturing only the upgradient head of the PCE plume (Figure 4-7). The portions of the MCL volume (volume of the aquifer with PCE

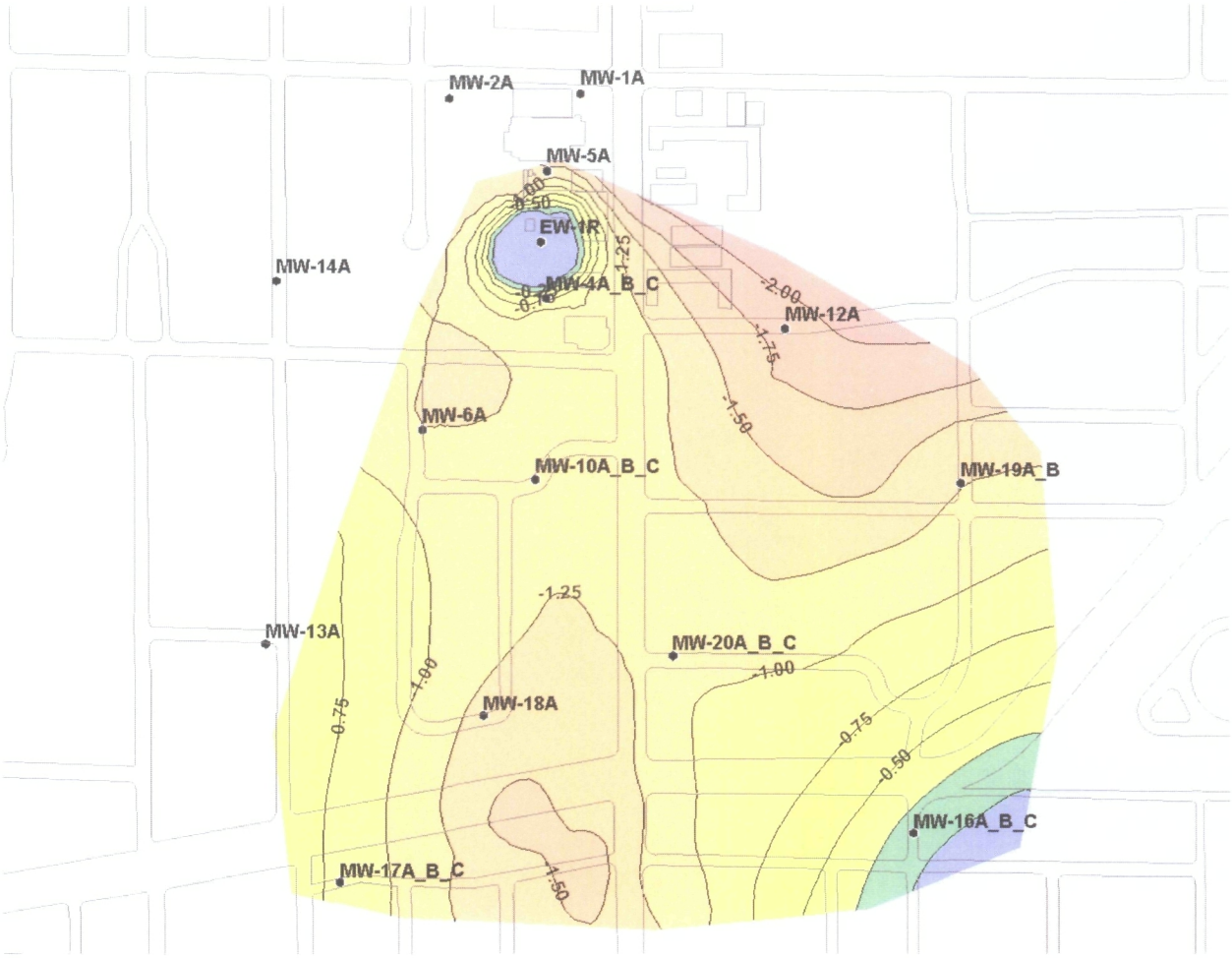
concentrations greater than 5.0 µg/L) close to and downgradient from MW-4A are not being captured by EW-1R.

An estimate of the vertical extent of capture of EW-1R is illustrated on Figure 4-8. The downgradient extent of capture depicted in profile view (just downgradient from MW-4A) is based on the empirical and modeled extent of capture. The vertical extent of capture below the base of EW-1R is an estimate. The groundwater model indicates that there is an upward vertical gradient beneath the extraction well (as confirmed by potentiometric data) and that flow in the bottom portions of the screen originates from the B-zone sands. As such, the schematic depiction of capture in profile view on Figure 4-8 may be conservative.

4.1.5 Analysis of Vertical Gradients

With the addition of multiple wells in the A-, B-, and C-zones, vertical gradients between the zones are now evaluated. The use of computer contouring software (used to prepare the potentiometric surfaces) allows for the calculation of the difference in elevation heads over the entire area of two separate potentiometric surfaces. The difference in the potentiometric elevation (head) at any point is termed a differential. The differentials may themselves be displayed as a contoured surface (a differential surface). In this manner, the entire distribution of vertical gradients can be illustrated and evaluated in plain view, which can be useful in identifying areas that might be susceptible to vertical migration of groundwater or contaminant flow.

The differential surface between the A-zone and the B-zone is shown below as a color-shaded, contoured surface. The values of the contours represent the difference in elevation of groundwater heads between the A-zone and B-zone potentiometric surfaces. Contours with negative values (orange, yellow, reds) represent regions of downward vertical gradient (groundwater elevations in the A-zone are higher than elevations in the B-zone). Contours with positive values (blue and green colors) represent regions of upward vertical gradient (groundwater elevations in the B-zone are higher than elevations in the A-zone).



Differential vertical gradients between the A-zone and B-zone, third quarter 2009. Negative contour values (yellow, orange and red) represent downward vertical gradients from the A-zone to the B-zone. Positive contour values (green, blue) represent upward vertical gradients from the B-zone to the A-zone.

The differential surface illustrates vertical gradients are variable between the A-zone and B-zone, but overall gradients have been consistently downward for several quarters on first (see Section 4.1.5, MWH 2009b). Pumping from EW-1R creates a region of upward vertical gradients within the cone-of-depression of the pumping well, consistent with previous analyses, as the pumping extraction well depresses elevation heads in its immediate vicinity to values below those in an underlying hydraulic zone such as a confined sand bed.

Differential vertical gradients between the B-zone and C-zone. The negative and relatively large absolute magnitude of the contour values indicates that vertical gradients are strongly downward from the B-zone to the C-zone. Downward gradients increase from southeast toward the northwest (orange- and red-shaded areas), possibly reflecting pumping from supply wells toward the northwest.

The differential surface between the B-zone and the C-zone is shown above as a color-shaded, contoured surface. All the differentials are negative, and of relatively large magnitude (greater than 5.0 feet), indicating that vertical gradients are consistently and strongly downward from the B-zone toward the C-zone. This is consistent with vertical gradients from the second quarter (MWH, 2009b) but in marked contrast to the differential surfaces between these two zones in fourth quarter 2008 and first quarter 2009 (e.g., MWH 2009a) where the gradients were shown to be upward from the C-zone to the B-zone. This change in gradient from upward to downward, together with the potentiometric surface of the C-zone (Figure 4-4) showing a flow direction from southwest to west-northwest, is clear evidence of the response in the lower, semiconfined to confined portion of the aquifer to increased groundwater well pumping from supply wells during the dry season. In previous reports, it was suggested that pumping from Municipal Well 14,

located approximately 0.5 mile of the Halford's site, may be causing the observed aquifer response. However, the City recently provided new and updated pumping histories of several municipal wells in the area in support of MWH construction of a groundwater model for the region. These data show that Municipal Well 14 was last used in a reduced capacity from July 2004 to August 2006, at relatively low flow rates ranging from 500 to 32,000 gallons per month. The well has been offline since August 2006. Another city well that more likely is contributing to the observed potentiometric response in the C-zone is Municipal Well 7, located about 1,000 feet south west of MW-17C. Municipal Well 7 is constructed with a perforated interval from about 160 to 210 feet bgs; across the bottom portion of the B-zone sands and through the B/C-aquitard. The City's flow records show that this well has been in continuous use since at least the year 2000. Monthly flow in August 2009 was about 21 million gallons, the highest monthly flow total since August 2004. This is the same month as the C-zone wells were monitored. The heavy pumping is undoubtedly the primary factor in the southwesterly flow direction in the C-zone in August (Figure 4-4).

4.2 SYSTEM PERFORMANCE

System compliance and performance samples were collected to evaluate the progress of the remedial systems. Water, vapor, and media samples collected per the SAP (MWH, 2008a) and the City Conditional and Revocable Groundwater Discharge Permit (Permit Number GW98-3) are summarized in Table 3-1. Tables 4-4 and 4-5 summarize the analytical data results for water and vapor samples from compliance and performance samples collected from the GWT and SVE systems, respectively.

4.2.1 Groundwater Treatment System Results

During the third quarter of 2009, the system was operational for 2,079 hours (of 2,208 hours possible during the quarter), which is an uptime of approximately 94 percent. System uptime logs and graphical representation of the GWT system operation time are presented in Appendix D. During this quarter, the system treated a total of 5.62 million gallons of water and removed approximately 9 pounds of PCE. To date (since August 2001), the system has treated 133.2 million gallons of water and removed approximately 449 pounds of PCE. The average influent PCE concentration during the third quarter of 2009 was 191 µg/L. Samples are also analyzed for uranium and TDS. A summary of the system sample results can be found in

Table 4-6 and on Figure 4-9. A summary of third quarter 2009 treatment system PCE results are reported below.

GWTS SAMPLE RESULTS: April – August 2009

Sample Identification	Date	PCE (µg/L)
EW-1-072909 (Influent)	07/29/2009	**190**
EW-1-081009 (Influent)	08/10/2009	**250**
EW-1-092209 (Influent)	09/22/2009	**170**
EFF-072909 (Effluent)	07/29/2009	**<0.5**
EFF-081009 (Effluent)	08/10/2009	**<0.5**
EFF-092209 (Effluent)	09/22/2009	**<0.5**

Notes:
µg/L – micrograms per liter
GWTS – groundwater treatment system
PCE – perchloroethylene (a.k.a. tetrachloroethene)

4.2.2 Soil Vapor Extraction System Results

SVE system samples were collected on 29 July, 08 August, and 22 September. All samples were collected in SUMMA™ canisters and sent to the U.S. EPA Region 9 Laboratory in Richmond, California, for VOC analysis. Results are presented in Table 4-5.

From June 2001 until system shutdown on 6 October 2008, PCE detections from the system influent show an overall decreasing trend. Since the addition of the three new extraction wells last quarter, system influent concentrations increased abruptly. With third quarter 2009 data, the PCE concentrations are showing an increasing trend. Treatment system data results are reported below and in Tables 4-4 and 4-5. System recommendations are discussed in Section 5.0.

SVE SAMPLE RESULTS: July – September 2009

Sample Identification	Date	PCE (ppmv)
SVE Pre-GAC-072909 (Influent)	07/29/2009	**1.2**
SVE Pre-GAC-081009 (Influent)	08/10/2009	**1.8**
SVE Pre-GAC-092209 (Influent)	09/22/2009	**0.94**
SVE Stack-072909 (Effluent)	07/29/2009	**0.002**
SVE Stack-081009 (Effluent)	08/10/2009	**0.003**
SVE Stack-092209 (Effluent)	09/22/2009	**<0.002**

Notes:
GAC – granular activated carbon
PCE – perchloroethylene (a.k.a. tetrachloroethene)
ppmv – parts per million by volume
SVE – soil vapor extraction

The SVE system operated at an average flow rate of approximately 145 to 160 scfm, extracting and treating soil vapor contamination from the vadose zone. The SVE system operated for approximately 2,208 hours for the third quarter of 2009. The overall percentage of SVE system operation during this quarter yielded an uptime of 100 percent. System uptime logs and graphical representation of the SVE system operation time are presented in Appendix D.

As shown on Figure 4-10 and presented in Table 4-7, the SVE system removed approximately 11.54 pounds of VOC contamination during this quarter. The total cumulative VOC mass removed through the third quarter of 2009 is approximately 3,438 pounds. Results from the site investigation (completed during first quarter 2007), and results from the new wells, have provided a more thorough understanding of the PCE source and extent of vadose zone contamination.

5.0 SYSTEM RECOMMENDATIONS

The following sections discuss summary observations through the end of September 2009 and recommendations for the Modesto Superfund Site. The following subsections summarize current observations and outline recommendations for the expanded groundwater and SVE systems. Expansion of both systems was completed in during the fourth quarter of 2008 (MWH, 2009a).

5.1 GWT SYSTEM – SUMMARY OBSERVATIONS AND RECOMMENDATIONS

The current GWT system (the single extraction well EW-1R) was designed as an interim measure with an objective of source control and mass removal within the northern portion of the center of mass of the groundwater plume where PCE concentrations in shallow zones have historically been the highest. It is understood that the PCE plume at the site is not fully captured (Figures 4-7 and 4-8). Historical data from wells installed in the shallow zone (14 existing A-zone wells installed before 2008) had shown that the uppermost portions of the plume south of the source area had migrated downgradient, as evidenced by increased PCE concentration trends at MW-4 and MW-10 after the startup of the system. Sixteen additional monitoring wells installed in three stratigraphic zones in cross-gradient and downgradient locations have now been monitored and sampled for four consecutive quarters. These data have allowed for improved characterization of the boundaries of the MCL volume (the volume of the contaminant plume with PCE concentrations greater than the MCL of 5.0 µg/L). There are four primary observations:

1. The lateral extent of the plume in the shallowest stratigraphic zone (A-zone) is defined to the MCL boundary of 5.0 µg/L for PCE, except for the area south of MW-20A between wells MW-16A and MW-17A. Although the position of the western margin of the plume in the A-zone is somewhat variable (concentrations of PCE fluctuate above and below the MCL in MW-13 and MW-14), the overall distribution of the plume in the A-zone are now defined based on the results from new monitoring wells MW-19A, MW-20A, MW-18A, MW-17A, and MW-16A. Based on these data, the plume is approximately 1,000 feet wide and 1,800 feet long in the A-zone (Figure 4-2).
2. Based on the third quarter water quality results from the C-zone wells, installed at depths ranging from 230 to 237 feet bgs (up to -145 feet msl), the vertical extent of the plume is largely defined. PCE was not detected above the reporting limit (0.5 µg/L) in any of the C-zone wells in the third quarter. Data from the C-zone wells collected over four consecutive quarters shows that the base of the

MCL volume occurs near the base of the B-zone sands across most of the length of the plume at depths of about 170 feet bgs (about -80 feet msl). The saturated thickness of the MCL volume is therefore about 120 feet near the source area at MW-04C extending to about well MW-20B (Figure 4-8).

3. The western, south-southwestern, and southern lateral extents of the MCL volume in the B-zone is not defined (Figure 4-3). However, the results from B-zone wells, taken together with results from shallower and deeper zones, discussed above in bullets 1 and 2, reveal the overall position and orientation of the center of mass of the PCE plume. This volume is approximately 1,000 feet wide, 1,700 feet long, and about 120 feet thick, and is oriented north-northwest to south-southeast from just north of MW-3A to just south of MW-20A and -20B. In plan view, the center of mass corresponds to the area encompassed within the 100-µg/L PCE contour line, as illustrated on the A-zone map (Figure 4-2). This is the area and volume in which any additional remedial actions will be focused, regardless of any remaining data gaps that might yield information on the precise location of the edge of the MCL volume.

4. The results from B-zone well MW-17B (40 µg/L) are notable in that under current groundwater gradients (Figure 4-3), the well is located cross-gradient from the center of mass of the plume, as described above. This may be the result of channelized flow under groundwater gradients influenced by pumping from municipal supply wells, most likely Municipal Well 7 (see Figure 1-2).

Previous reports have presented observations, interpretations, and recommendations focused around a limited understanding of the PCE contaminant plume based largely on data from the shallower zones. With the improved understanding of the conceptual model and three-dimensional contaminant distribution presented in this report, further work is now planned that will move the site from additional characterization efforts toward those steps necessary to move the site toward the selection and implementation of a final remedy. This includes preparation of a Feasibility Study to support a Final Record of Decision (ROD) for the site. Although some data gaps remain in the A-zone and B-zone, the center of mass of the plume is now defined and it is proposed that any remaining data gaps are not significant enough to hinder proceeding with a Feasibility Study.

Current recommendations include two additional studies that have recently been submitted (MWH, 2009c). Both studies are designed to support or be incorporated into a Feasibility Study. The studies are: (1) development of a groundwater flow model to support optimization of the interim remedy and provide the framework to model the fate and transport of PCE, and (2) preparation of a groundwater optimization study that will incorporate the results of the groundwater modeling, present methods to optimize the current interim remedy, and discuss potential alternative discharge scenarios.

In support of the development of the groundwater model, MWH obtained pumping histories of several municipal wells surrounding the Modesto Superfund Site, both to potentially better understand groundwater gradients in the area and to incorporate the wells into the groundwater model. The City also provided historical PCE detection summaries for all the wells. These data have been incorporated into the optimization study to evaluate the relationship between impacted groundwater at the Modesto Superfund Site and potential impacts to surrounding supply wells.

In summary, the GWT system evaluation from the expanded well network resulted in the following recommendations to support a Feasibility Study, both of which have been completed (MWH, 2009c):

- Development of a groundwater model with the following elements: (1) an expanded domain to include local municipal supply wells; (2) incorporation of the updated stratigraphic conceptual model developed from data collected from installation of the new C-zone monitoring wells, and (3) use of updated aquifer parameters based on aquifer testing, groundwater model parameter estimation methods, and specific capacity data for municipal supply wells provided by the City.
- Recommendations to optimize the current interim remedy at the site and identification of alternative effluent discharge options. Both of these evaluations are presented in the Groundwater Optimization Study (MWH, 2009c).

5.2 SOIL VAPOR EXTRACTION – SUMMARY OBSERVATIONS AND RECOMMENDATIONS

Results from a 2007 site investigation and from a soil vapor rebound test conducted from late November 2006 through January 2007 indentified significant vapor mass remains at the northwestern corner of the Halford's Cleaners building, likely the result of residual PCE source in the subsurface at this location and possibly extending underneath the building (see the *Soil Vapor Extraction System Optimization and Enhancement Methods* report [MWH, 2008c] for summary results). Initial sub-slab vapor sampling in buildings at and near the source area in February 2008 confirmed high levels of PCE vapor (up to 20,000 ppbv) were present under the concrete slab foundation of the Halford's Cleaners building.

The PCE concentration in baseline samples of the newer SVE wells and surrounding soil vapor monitoring wells (Table 4-3) was discussed in Section 4.1.2. Data from the new SVE wells and

subsequent indoor air sampling demonstrates that operation of the SVE system has begun mitigating shallow vapor concentrations in the residual source area and the potential for vapor intrusion into the buildings. Note from Table 4-3 that PCE has already declined (as expected) in the shallow SVE well (SVE-2) from 14,000 ppbv before startup to 5,700 pppv on 10 August 2009.

As the SVE optimization plan has been implemented, there are no additional recommendations other than to continue operation and monitoring of the new system, in conjunction with results from any additional indoor air sampling to evaluate the effectiveness of the new system.

6.0 QUALITY CONTROL SUMMARY REPORT

6.1 INTRODUCTION

This Quality Control Summary Report briefly summarizes quality assurance and quality control (QA/QC) results for the samples collected and data generated during the period of July 2009 through September 2009 at the Modesto Superfund Site, Modesto, California. Sampling activity protocols are provided in the SAP (MWH, 2008a).

Between 29 July 2009 and 22 September 2009, 40 groundwater samples, 15 air samples, six field duplicates, four matrix spike and matrix spike duplicate (MS/MSD) pairs, six trip blanks, and five field blanks were collected at the Modesto Superfund Site in conjunction with routine treatment system and groundwater well monitoring. Water samples were collected from the GWT system and existing monitoring wells. Air samples were collected from the GWT and SVE systems. Contaminants of concern at the Modesto Superfund Site are indicated in Table B1 of Appendix B. Samples were submitted for chemical analyses as presented in Table B2 of Appendix B. Analyses performed include the following:

- TDS by U.S. EPA Method 160.1
- VOCs in water by U.S. EPA Method 524.2
- Total uranium by Standard Method D5174
- VOCs in air by U.S. EPA Method TO-15

Analytical chemistry services for groundwater and air samples were provided by the U.S. EPA Region 9 Laboratory in Richmond, California. Analytical chemistry services for uranium analysis were provided by Eberline Services in Richmond, California. All laboratories are certified by the California Department of Health Services through the Environmental Laboratory Accreditation Program to perform hazardous waste analyses. Sample results are summarized in Appendix B, Tables B3 and B4.

Laboratory Data Consultants (LDC) performed data validation of all sample results using the criteria established in the SAP (MWH, 2008a), analytical methods, and National Functional Guidelines (EPA, 1994 and 1999). All samples were validated manually. A summary of the data validation findings is presented in Tables B5 and B6. A summary of codes used to indicate the

reason a data validation flag was applied to the qualified data is presented in Table B7. Additionally, data validation reports can be found in Appendix C. Several data validation flags were used in the validation process. The definitions of these qualifier flags are as follows:

- U — Indicates the compound or analyte was analyzed for but not detected at or above the reported quantitation limit.
- UJ — Indicates the compound or analyte was analyzed for but not detected at or above the stated limit. The sample detection limit is an estimated value.
- J — Indicates the analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
- J- — Indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample with a negative bias based on QC sample results.
- J+ — Indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample with a positive bias based on QC sample results.
- R — Indicates the sample results are rejected due to deficiencies in the ability to analyze the sample and meet QC criteria. The presence or absence of the analyte cannot be verified.

6.2 DATA QUALITY OBJECTIVES

Data quality objectives (DQOs) are qualitative and quantitative statements that specify the quality of the data required to meet the goals of site investigations and support decisions made in remedial response activities. Data quality was assessed in terms of its precision, accuracy, representativeness, completeness, and comparability (PARCC). These criteria are briefly defined in the following sections. The results of the field and laboratory QC checks are evaluated against the DQOs, and the quality of the data is assessed according to the PARCC parameters. QC sample results that fall outside of these criteria serve to signal the production of unacceptable or biased data that could result in the implementation of corrective action or the qualification of data.

6.2.1 Precision

Precision is a measurement of mutual agreement among individual measurements of the same property, usually under prescribed conditions. Data evaluated to assess precision consist of results from the analysis of field duplicate pairs and MS/MSD samples. The precision

measurement is established using the relative percent difference (RPD) between the duplicate sample results, and is expressed as follows:

$$RPD = \frac{[X_1 - X_2]}{[(X_1 + X_2) / 2]} \times 100$$

where:

X_1 and X_2 represent the individual concentrations of the target analyte in the two replicate analyses.

6.2.2 Accuracy

Accuracy is defined as the proximity of the mean of a set of results to the true value. Accuracy is assessed through the evaluation of initial and continuing calibration data, as well as laboratory control sample (LCS) recoveries, surrogate standard recoveries, and MS recoveries, which are expressed as a percent recovery according to the following equation:

$$\text{percent recovery} = \frac{(\text{spiked sample conc.} - \text{sample conc.})}{\text{known conc. of spike}} \times 100$$

6.2.3 Representativeness

Representativeness is defined as the degree to which sample data accurately and precisely represent the characteristics of the site, parameter variations at a sampling point, or environmental conditions. Representativeness, in terms of sample integrity for this investigation, was qualitatively evaluated based on the analysis of trip blanks, field blanks, and method blank samples. Additionally, sample collection and handling methods and the cooler receipt forms were reviewed to confirm that samples were received under proper storage conditions.

6.2.4 Completeness

Two types of completeness have been evaluated for this project. Analytical completeness is the number of unqualified results related to the total number of results reported, expressed as a

percentage. The analytical completeness goal is 90 percent. Technical completeness is the number of valid results related to the total number of results reported, expressed as a percentage. The technical completeness goal for this project is 95 percent.

6.2.5 Comparability

Data comparability is achieved by using standard analytical methods and reporting limits, and by using standard units of measurements, as specified in the methods. Comparability is a qualitative parameter.

6.3 QUALITY CONTROL RESULTS

The following sections summarize the data review process and results in terms of PARCC criteria, as defined in Section 2.2.5 of the SAP (MWH, 2008a). Tables B5 and B6 (Appendix B) list the qualified data based on this review process.

6.3.1 Precision and Accuracy

Precision and accuracy were evaluated based on the results of QC samples collected by the field team and QC samples that originated in the laboratory. The calculated RPD for MS/MSDs and field duplicate pairs provided information on the precision of sampling and analytical procedures. MS/MSD analyses were associated with all samples for this sampling event. All data were reviewed for accuracy based on the surrogate spike, MS/MSD, and LCS percent recoveries. In addition, initial and continuing calibration data were reviewed for analytical accuracy. The criteria used for the evaluation can be found in the Quality Assurance Project Plan in the SAP (MWH, 2008a). Data validation findings can be found in Appendix C. In addition, a field duplicate result summary can be found in Table B8 (Appendix B), laboratory batching information can be found in Table B9, LCS recovery outliers are summarized in Table B10, and MS/MSD recovery outliers are summarized in Table B11.

6.3.2 Representativeness

Representativeness was evaluated through the analysis of field blank, trip blank, and method blank samples. Additionally, sample collection and handling methods and the cooler receipt

forms were reviewed. All sample bottles were received in good condition and the chain-of-custody documents agreed with the sample labels.

Trip blanks are required to accompany each cooler of aqueous samples sent to the laboratory for analysis of VOCs. One trip blank accompanied each cooler for each of the sampling dates. A summary of trip blank detections can be found in Tables B3 and B4 (Appendix B).

Field blanks are used to determine if potential sample contamination has occurred during the sample collection process. Field blank samples were collected at monitoring wells MW-4A (identified as MW-403-33Q), MW-8A (identified as MW-402-33Q), MW-17B (identified as MW-404-33Q), and MW-20B (identified as MW-405-33Q), and at the groundwater treatment system (identified as MW-401-33Q). Field blanks are analyzed using the same analytical procedures as the associated samples. A summary of field blank detections can be found in Tables B3 and B4 (Appendix B).

Method blanks are processed through the same analytical procedures as the associated samples. Method blanks are analyzed with each batch of samples to provide information on contamination originating in the analytical process. Method blank detections are indicated in the data validation reports found in Appendix C.

6.3.3 Completeness

Completeness of data was evaluated by assuring that all analytical requests were met, samples were received in proper condition, and all analyses were performed within the appropriate holding times. Overall analytical completeness for the Modesto Superfund Site (92.4 percent) exceeded the project goal of 90 percent. Overall technical completeness for this data set for the Modesto Superfund Site (99.8 percent) exceeded the project goal of 95 percent. Please refer to Table B12 (Appendix B) for a breakdown of completeness by method and analyte.

6.3.4 Comparability

Comparability was evaluated for this sampling event by analyzing all samples according to the specified U.S. EPA analytical methods, which use standard units of measurement. Necessary sample dilutions, due to the presence of elevated target compound concentrations, did not

affect data usability and comparability. Results for some analytes are reported below the practical quantitation limit (PQL), but above the method detection limit (MDL). The "J" flag has been applied to results reported between the MDL and the PQL.

6.4 SUMMARY OF DATA RELIABILITY

As a result of this evaluation, all data collected during this period are of known and acceptable quality in relation to the DQOs of this project. All data are considered usable as qualified for the intended purposes.

REFERENCES

City of Modesto, 2007. City of Modesto Conditional and Revocable Groundwater Discharge Permit Number GW 98-3. June.

Ecology and Environment (E&E), 2001. Interim Remedial Action Report. April.

Environmental Protection Agency, U.S. (EPA), 1999. U.S. EPA Contract Laboratory Program; National Functional Guidelines for Organic Data Review. EPA-540/R-99-008. October.

EPA, 2004. U.S. EPA Contract Laboratory Program; National Functional Guidelines for Inorganic Data Review. EPA-540/R-04-004. October.

Grubb, S. 1993. Analytical Model for Estimation of Steady-State Capture Zones of Pumping Wells in Confined and Unconfined Aquifers. Ground Water. v.31, no. 1, pp. 27-32.

MWH, 2002. Operations and Maintenance Manual. September.

MWH, 2008a. Sampling and Analysis Plan, Modesto Superfund Site. June.

MWH, 2008b. Addendum to Work Plan for Supplemental Site Investigation and Remedial Optimization: Well Installation. June.

MWH, 2008c. Soil Vapor Extraction System Optimization and Enhancement Methods. June.

MWH, 2009a. Quarterly Operations and Monitoring Report, Fourth Quarter 2008. March.

MWH, 2009b. Quarterly Operations and Monitoring Report, Second Quarter 2009. August.

MWH, 2009c. Groundwater Remediation Optimization Methods, November.

Figures

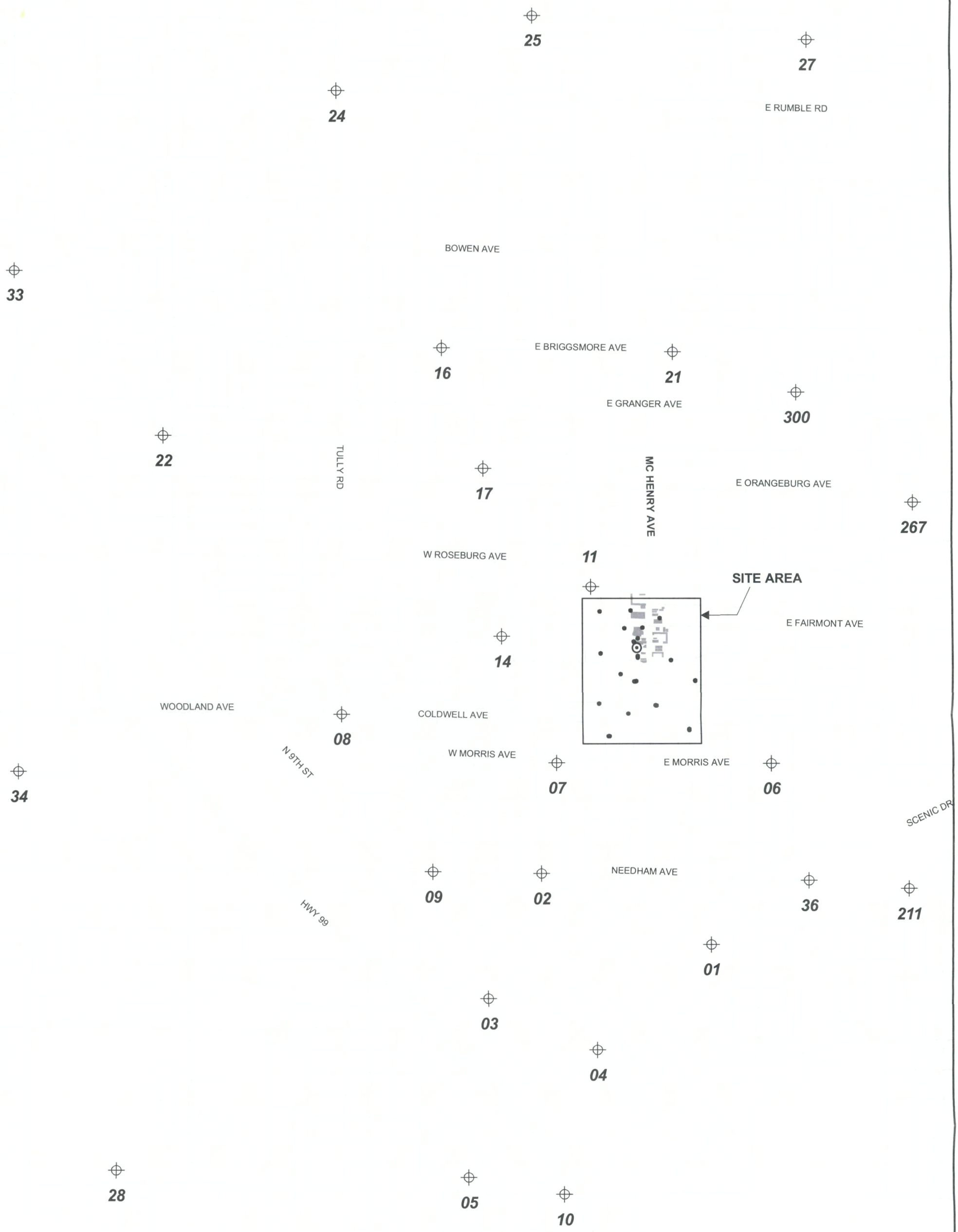
MWH

08-03/m.sf.l.ai

MWH

SITE LOCATION MAP
MODESTO SUPERFUND SITE

FIGURE 1-1



Legend:

- GROUNDWATER EXTRACTION WELL
- GROUNDWATER MONITORING WELL
- MUNICIPAL DRINKING WATER WELL

N

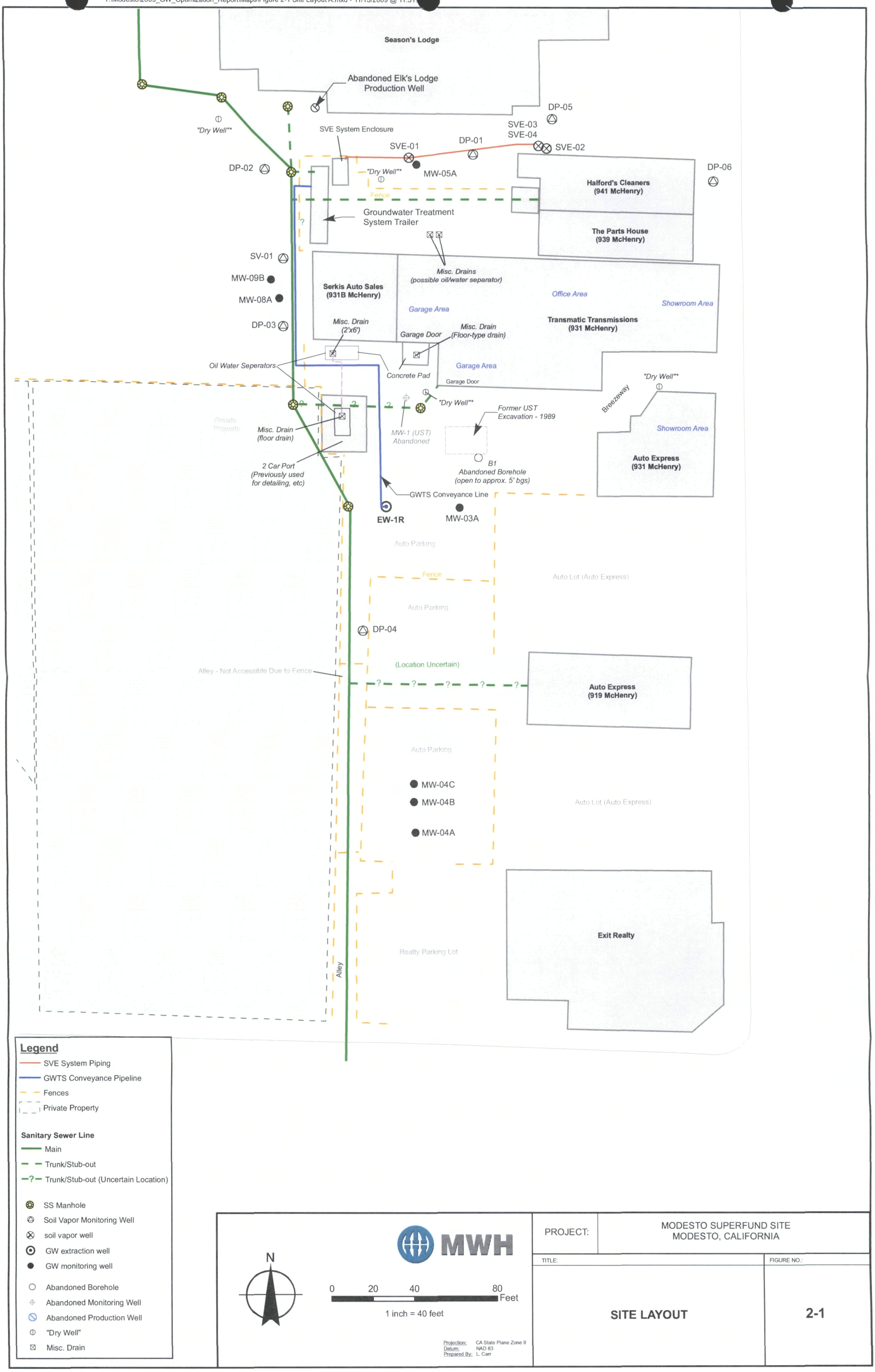
0 800 1,600 3,200 Feet

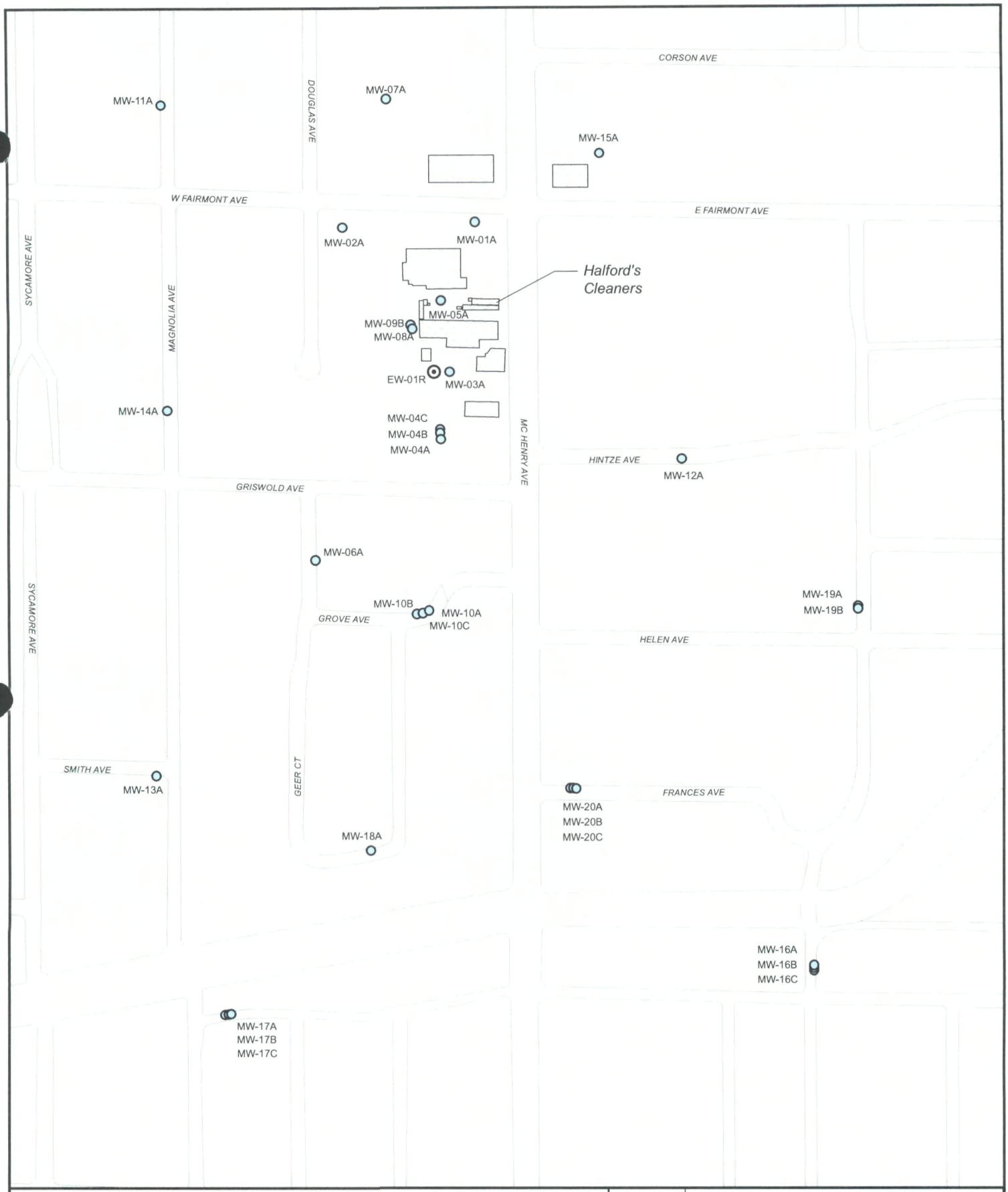
1 inch = 1,600 feet

MWH

Projection: CA State Plane Zone III
Datum: NAD 83
Prepared By: L. Carr

PROJECT:	MODESTO SUPERFUND SITE MODESTO, CALIFORNIA
TITLE:	FIGURE NO.:
MUNICIPAL WELL LOCATIONS	**1-2**


Season's Lodge
Abandoned Elk's Lodge Production Well
"Dry Well"*
SVE System Enclosure
SVE-01
DP-01
SVE-03
SVE-04
SVE-02
DP-05
DP-06
DP-02
"Dry Well"*
MW-05A
Halford's Cleaners (941 McHenry)
Fence
Groundwater Treatment System Trailer
The Parts House (939 McHenry)
SV-01
MW-09B
MW-08A
DP-03
Serkis Auto Sales (931B McHenry)
Misc. Drains (possible oil/water separator)
Office Area
Showroom Area
Garage Area
Transmatic Transmissions (931 McHenry)
Misc. Drain (2'x6')
Garage Door
Misc. Drain (Floor-type drain)
Oil Water Seperators
Concrete Pad
Garage Area
Garage Door
"Dry Well"*
"Dry Well"*
Breezeway
Private Property
Misc. Drain (floor drain)
MW-1 (UST) Abandoned
Former UST Excavation - 1989
Showroom Area
2 Car Port (Previously used for detailing, etc)
B1 Abandoned Borehole (open to approx. 5' bgs)
Auto Express (931 McHenry)
GWTS Conveyance Line
EW-1R
MW-03A
Auto Parking
Fence
Auto Lot (Auto Express)
Auto Parking
DP-04
(Location Uncertain)
Alley - Not Accessible Due to Fence
Auto Express (919 McHenry)
Auto Parking
MW-04C
MW-04B
MW-04A
Auto Lot (Auto Express)
Exit Realty
Realty Parking Lot
Alley
Legend
SVE System Piping
GWTS Conveyance Pipeline
Fences
Private Property
Sanitary Sewer Line
Main
Trunk/Stub-out
Trunk/Stub-out (Uncertain Location)
SS Manhole
Soil Vapor Monitoring Well
soil vapor well
GW extraction well
GW monitoring well
Abandoned Borehole
Abandoned Monitoring Well
Abandoned Production Well
"Dry Well"
Misc. Drain
N
MWH
0 20 40 80 Feet
1 inch = 40 feet
Projection: CA State Plane Zone II
Datum: NAD 83
Prepared By: L. Carr
PROJECT:
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA
TITLE:
SITE LAYOUT
FIGURE NO.:
2-1



Y:\Modesto\Vol_33_20093Q\Maps\Figure 2-2 well_Locs.mxd - 11/12/2009 @ 3:52:31 PM

GROUNDWATER MONITORING WELL

GROUNDWATER EXTRACTION WELL

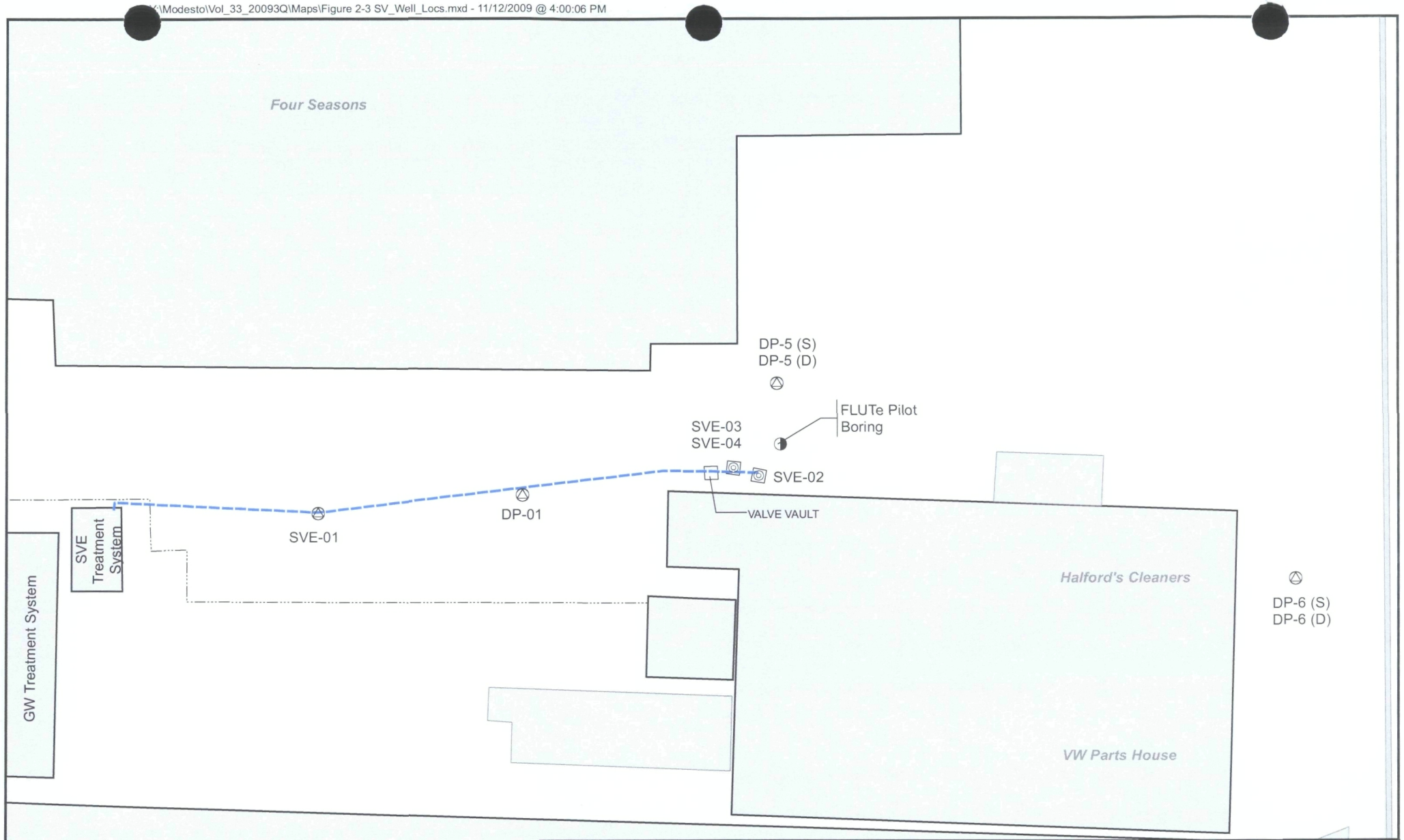
MWH

N

0 150 300 Feet

Projection: CA State Plane Zone III
Datum: NAD 83
Prepared By: L. Carr

PROJECT:	MODESTO SUPERFUND SITE MODESTO, CALIFORNIA
TITLE:	FIGURE NO.:
GROUNDWATER WELL LOCATIONS	**2-2**



Legend

- SOIL VAPOR EXTRACTION WELLS
- SOIL VAPOR MONITORING WELLS
- SVE SYSTEM PIPING
- FENCE
- VAULTS

Notes:
(D) = Deep screen interval
(S) = Shallow screen interval

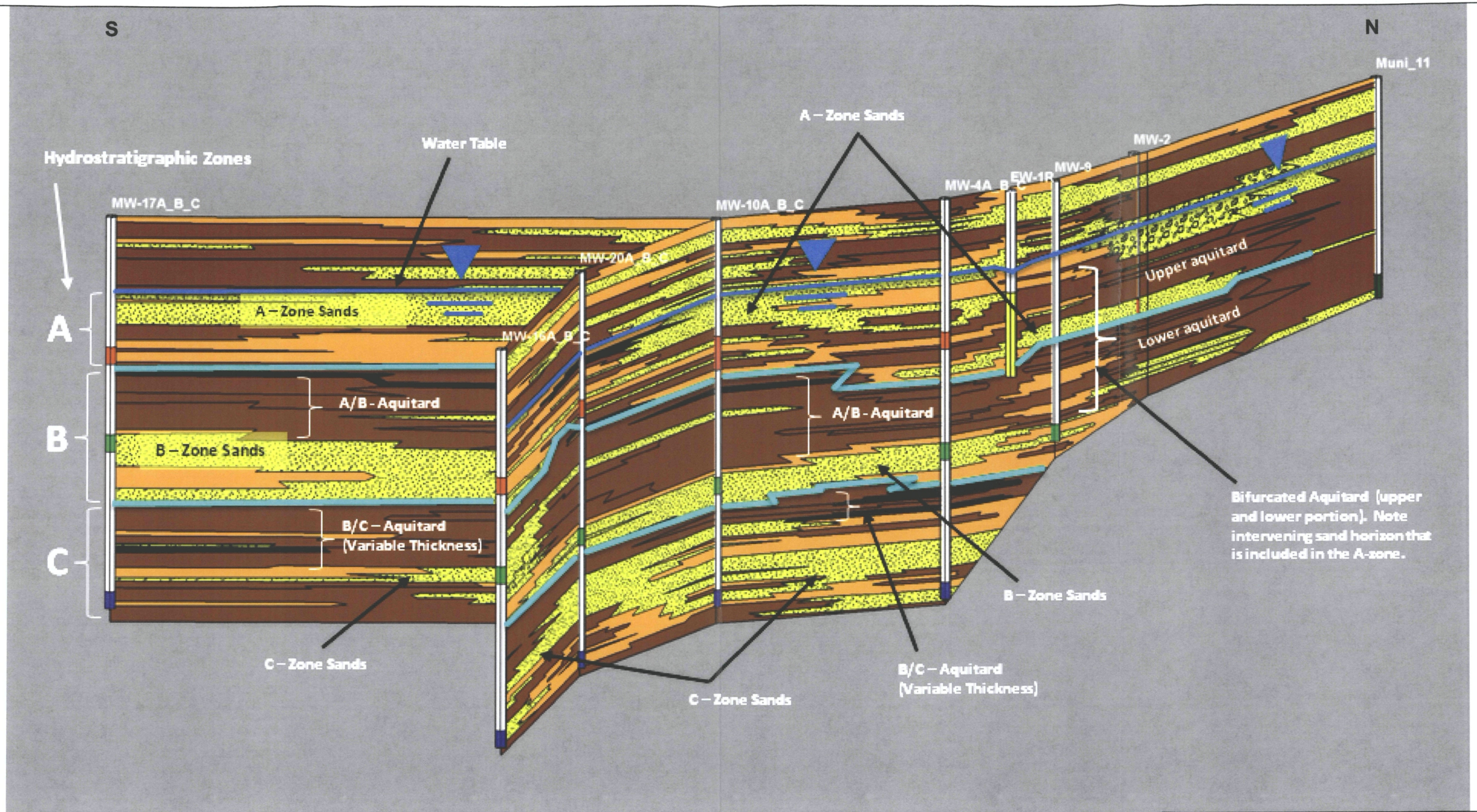
MWH

N

0 10 20 Feet

Projection: CA State Plane Zone III
Datum: NAD 83
Prepared By: L. Carr

PROJECT:	MODESTO SUPERFUND SITE MODESTO, CALIFORNIA
TITLE:	FIGURE NO.:
SOIL VAPOR WELL LOCATIONS HALFORD'S CLEANERS AREA	**2-3**



LEGEND:

- SAND
- SILTY SAND
- SILT
- CLAY

WATER TABLE SURFACE (A Zone)

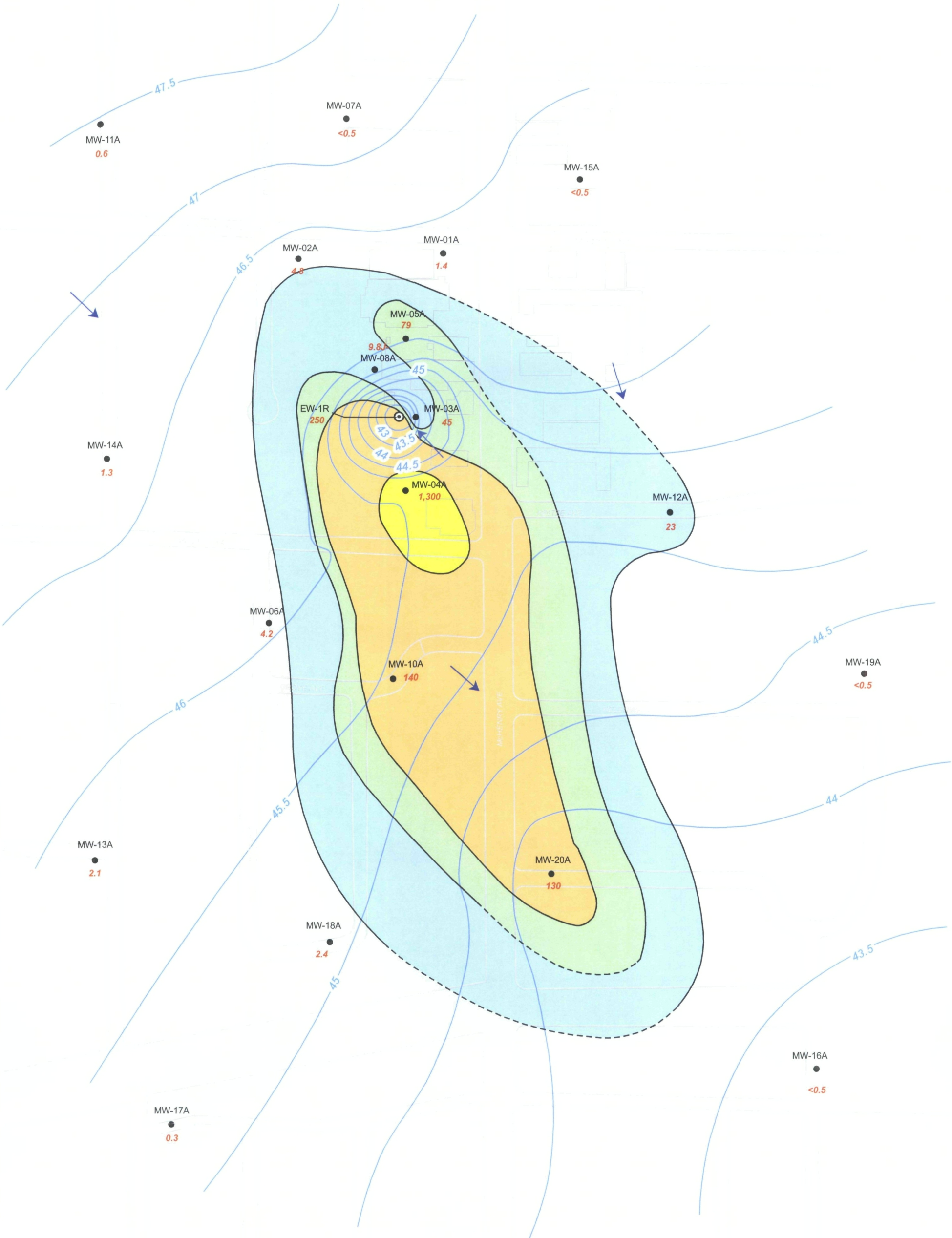
MW-4A — GROUNDWATER MONITORING WELL — A Zone Screen, B Zone Screen, C Zone Screen

EW-1R — GROUNDWATER EXTRACTION WELL — A Zone Screen

MWH

PROJECT:	MODESTO SUPERFUND SITE MODESTO, CALIFORNIA
TITLE:	FIGURE NO.:
STRATIGRAPHIC CONCEPTUAL MODEL	**4-1**

Y:\Modesto\Vol_33_20093Q\Maps\Figure 4-1 fence_diagram_4Q08.mxd - 11/ @ 3:51:06 PM



Legend:

PCE Contours

- 1000 ug/L
- 100 ug/L
- 50 ug/L
- 5 ug/L

Plume Outline Dashed Where Inferred

- INFERRED GROUNDWATER FLOW DIRECTION
- 44 GROUNDWATER ELEVATION CONTOUR (FT MSL)
- 1,300 PCE Concentration (ug/L)
- GROUNDWATER MONITORING WELL
- GROUNDWATER EXTRACTION WELL

N

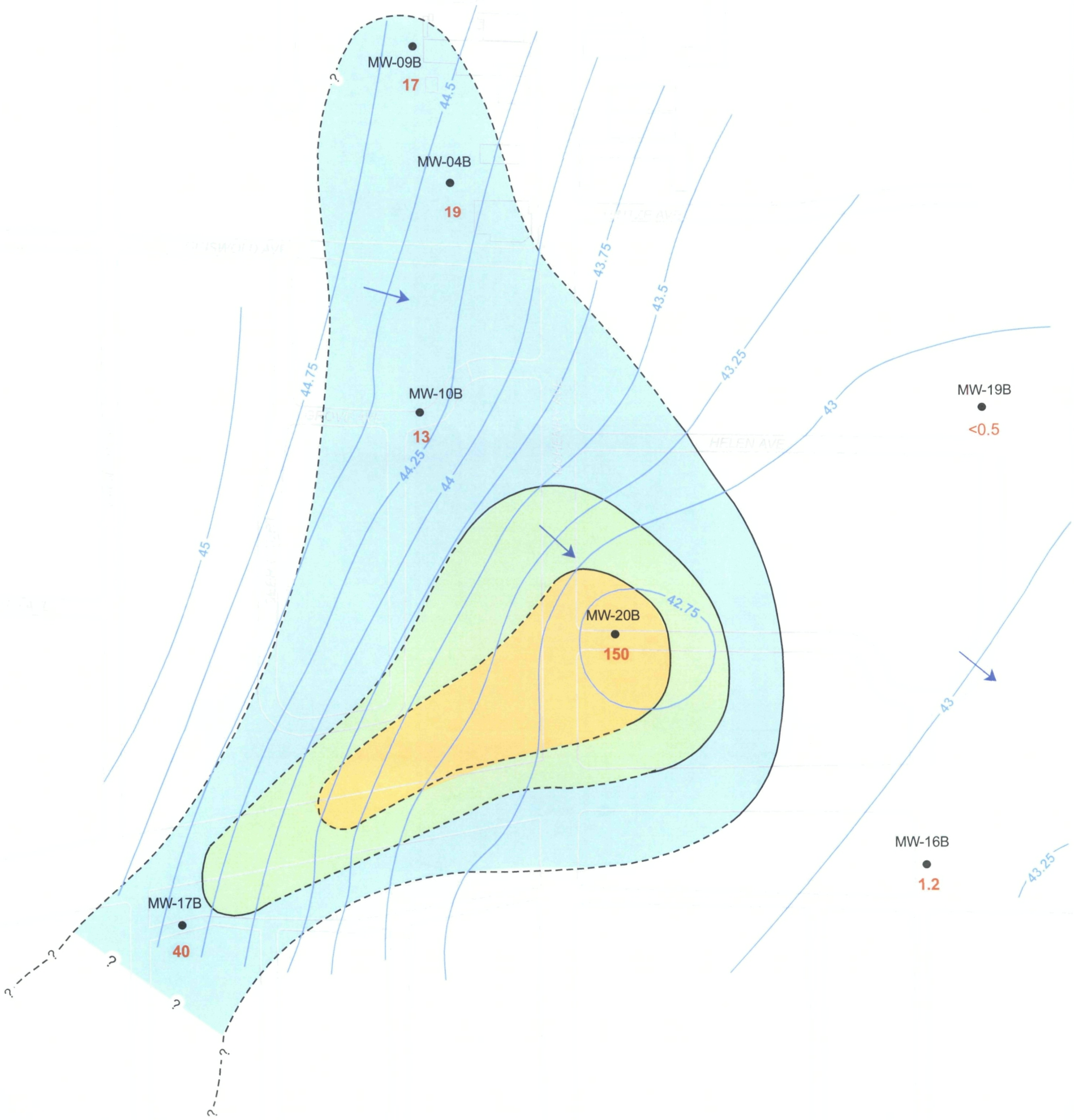
1 inch = 200 feet

MWH

0 100 200 Feet

Projection: CA State Plane Zone III
Datum: NAD 83
Prepared By: L. Carr

PROJECT:	MODESTO SUPERFUND SITE MODESTO, CALIFORNIA
TITLE:	FIGURE NO.:
GROUNDWATER POTENTIOMETRIC SURFACE AND PCE ISOCONCETRATION CONTOURS IN THE A ZONE THIRD QUARTER 2009	**4-2**



Legend:

PCE Contours

- 100 ug/L
- 50 ug/L
- 5 ug/L

Contour outline dashed where inferred.

LEGEND:

- INFERRED GROUNDWATER FLOW DIRECTION
- 43 GROUNDWATER ELEVATION CONTOUR (FT MSL)
- 19 PCE CONCENTRATION (ug/L)
- GROUNDWATER MONITORING WELL
- GROUNDWATER EXTRACTION WELL

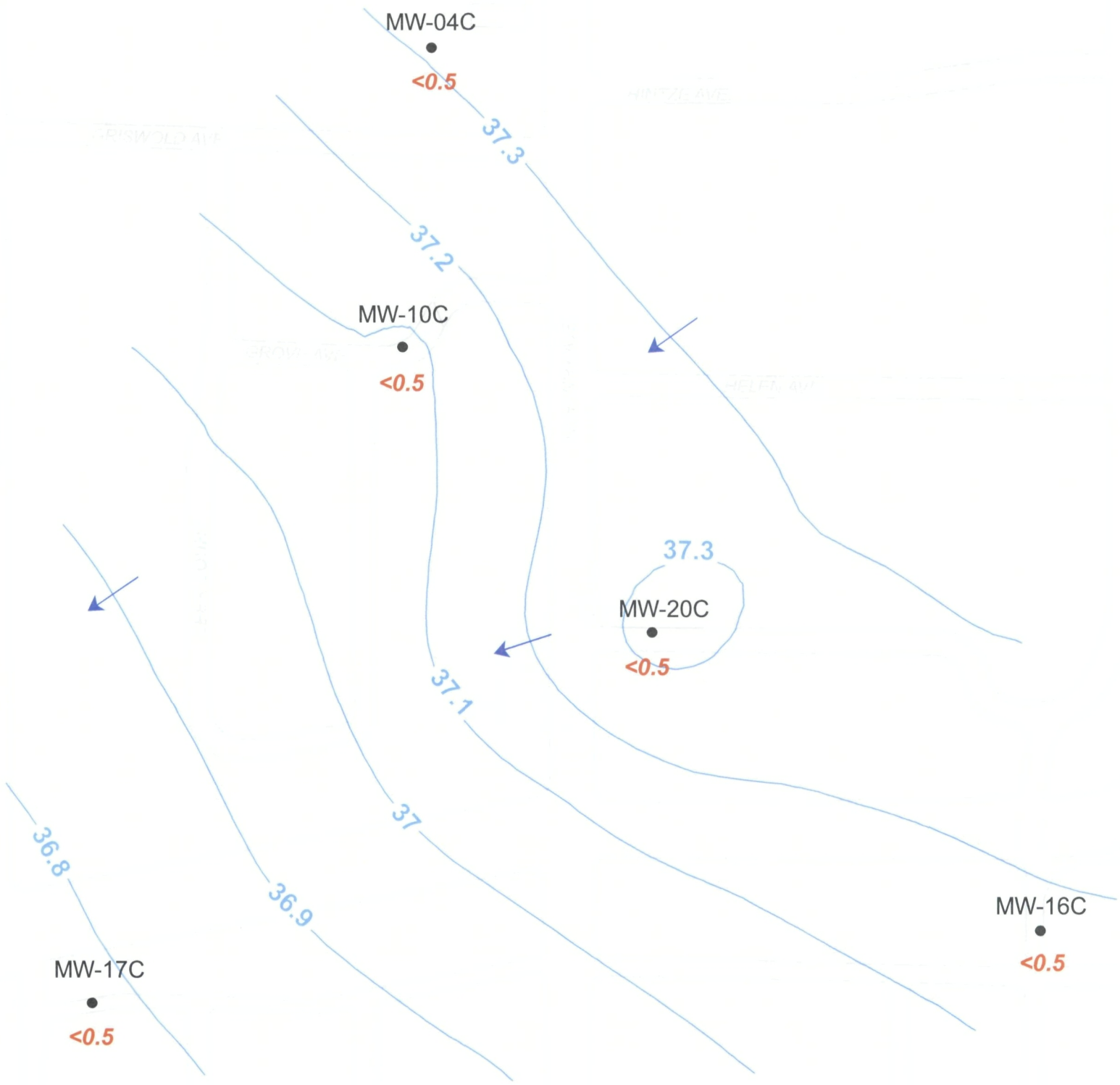
N

MWH

0 100 200 Feet

Projection: CA State Plane Zone III
Datum: NAD 83
Prepared By: L. Carr

PROJECT:	MODESTO SUPERFUND SITE MODESTO, CALIFORNIA
TITLE:	FIGURE NO.:
GROUNDWATER POTENTIOMETRIC SURFACE AND PCE ISOCONCETRATION CONTOURS IN THE B ZONE THIRD QUARTER 2009	**4-3**



Legend:

- INFERRED GROUNDWATER FLOW DIRECTION
- 47 GROUNDWATER ELEVATION CONTOUR (FT MSL)
- <0.5 PCE Concentration (ug/L)
- GROUNDWATER MONITORING WELL

N

0 100 200 Feet

1 inch = 200 feet

MWH

Projection: CA State Plane Zone III
Datum: NAD 83
Prepared By: L. Carr

PROJECT: MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

TITLE: ***GROUNDWATER POTENTIOMETRIC SURFACE AND PCE ISOCONCETRATION CONTOURS IN THE C ZONE THIRD QUARTER 2009***

FIGURE NO.: **4-4**

FIGURE 4-5(a)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

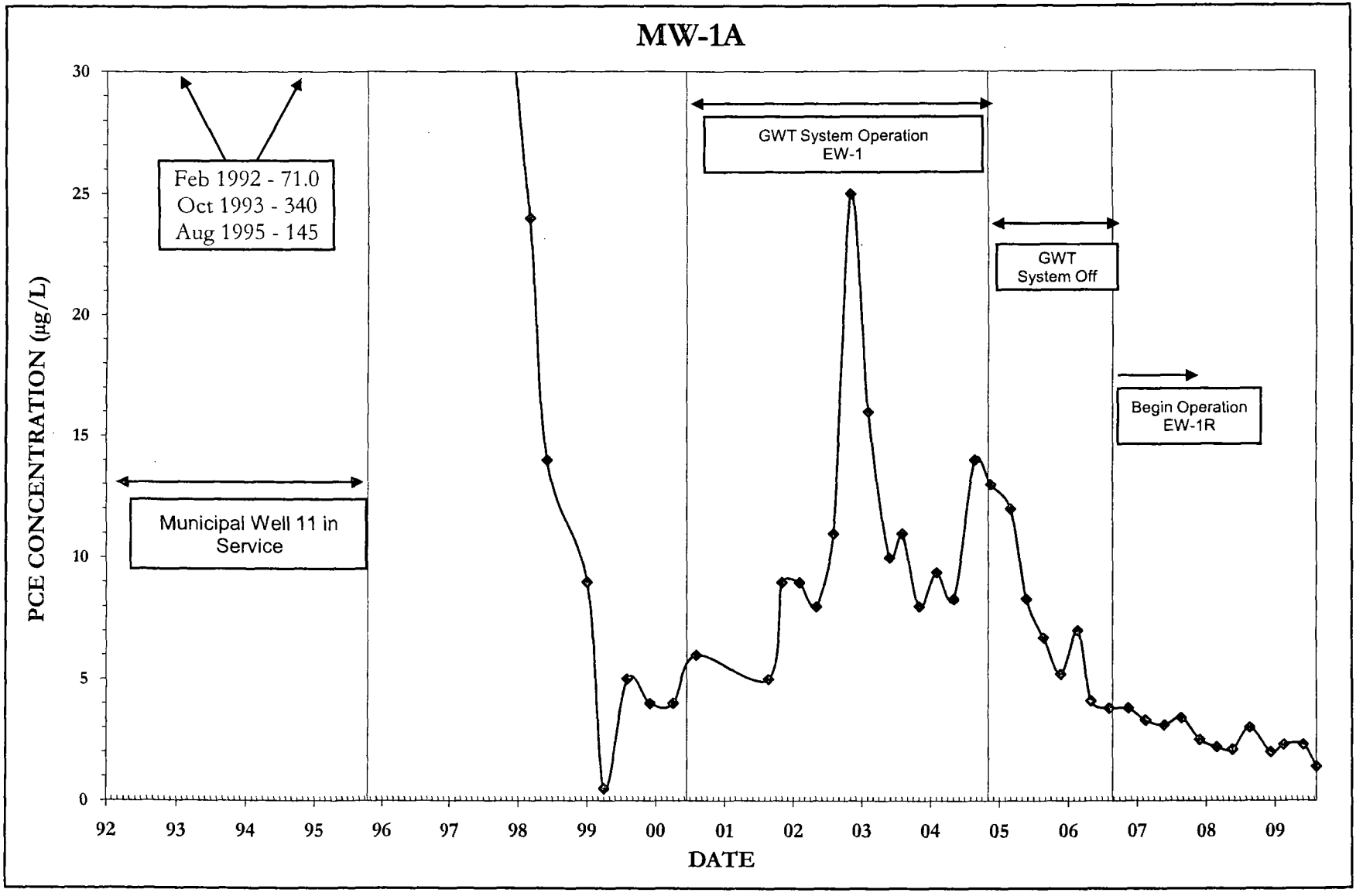


FIGURE 4-5(b)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

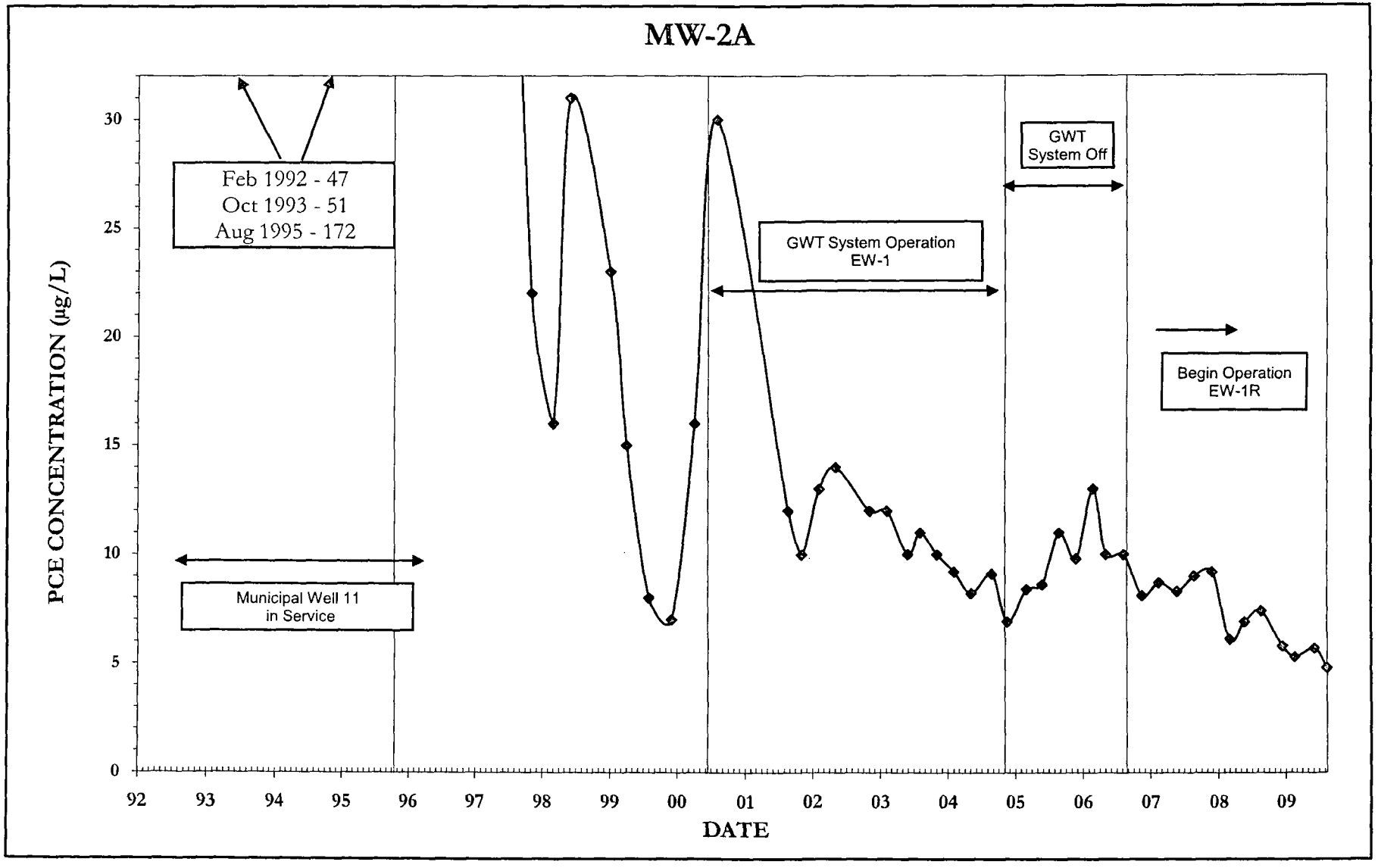


FIGURE 4-5(c)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

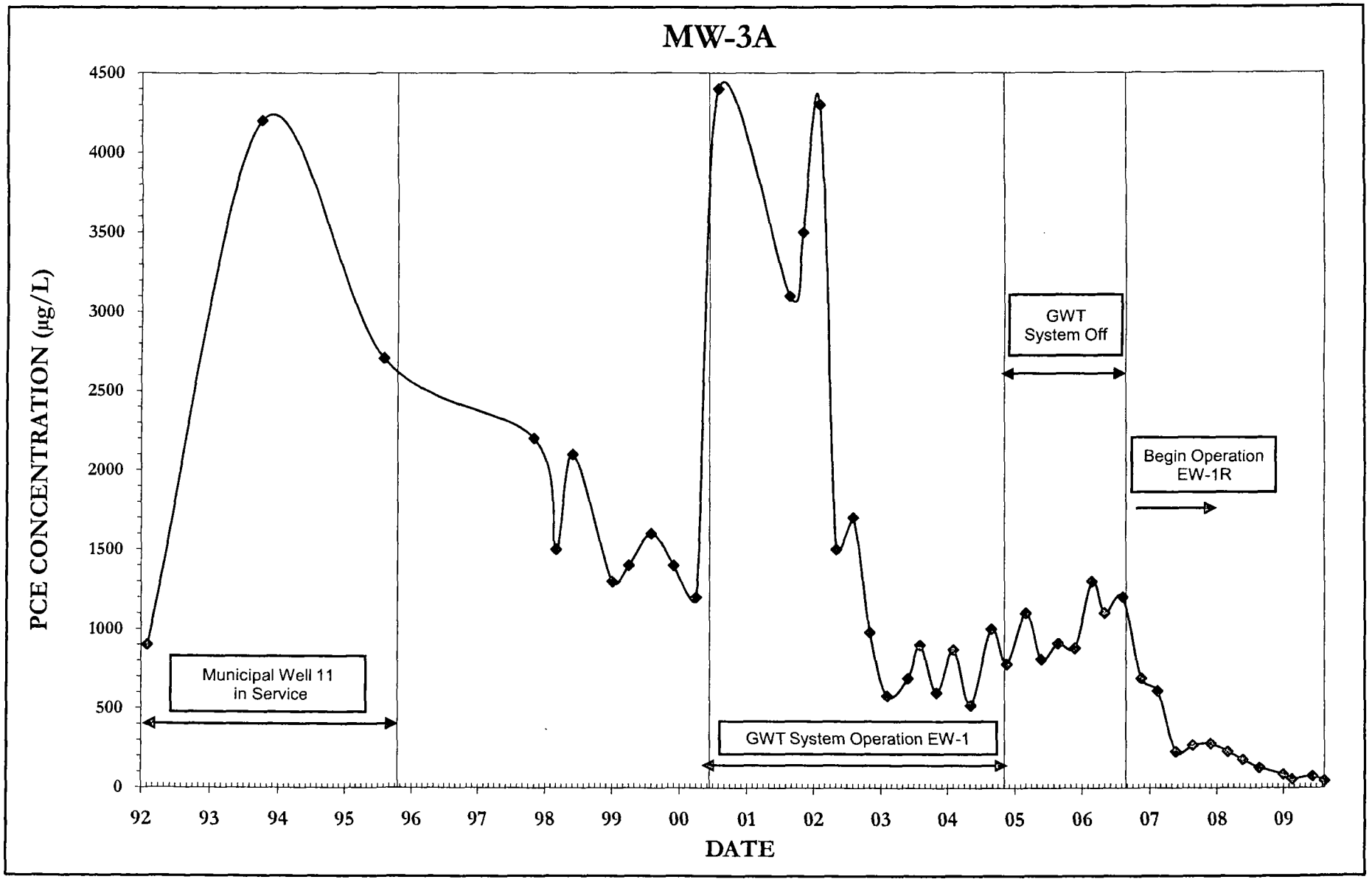


FIGURE 4-5(d)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

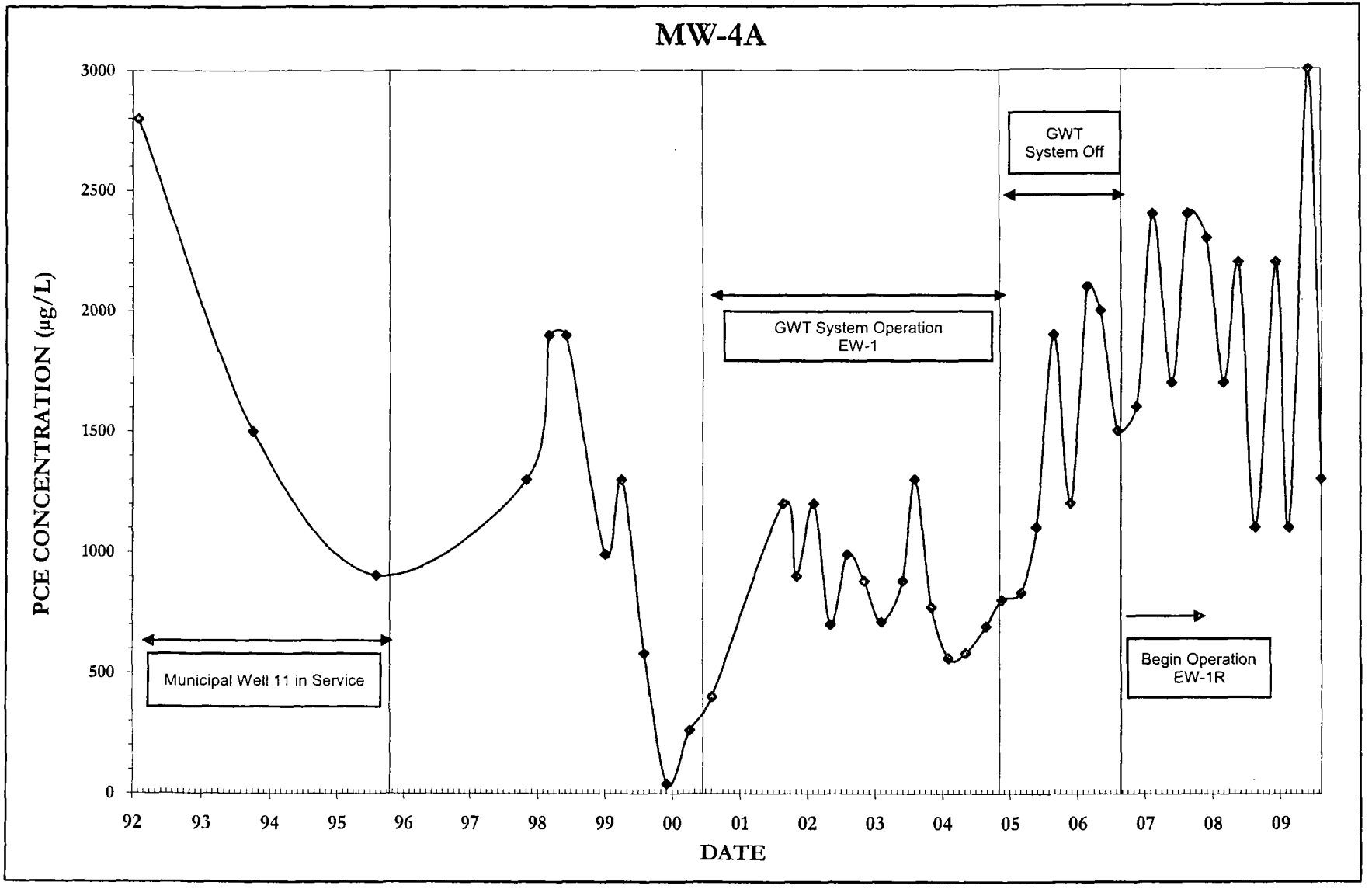


FIGURE 4-5(e)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

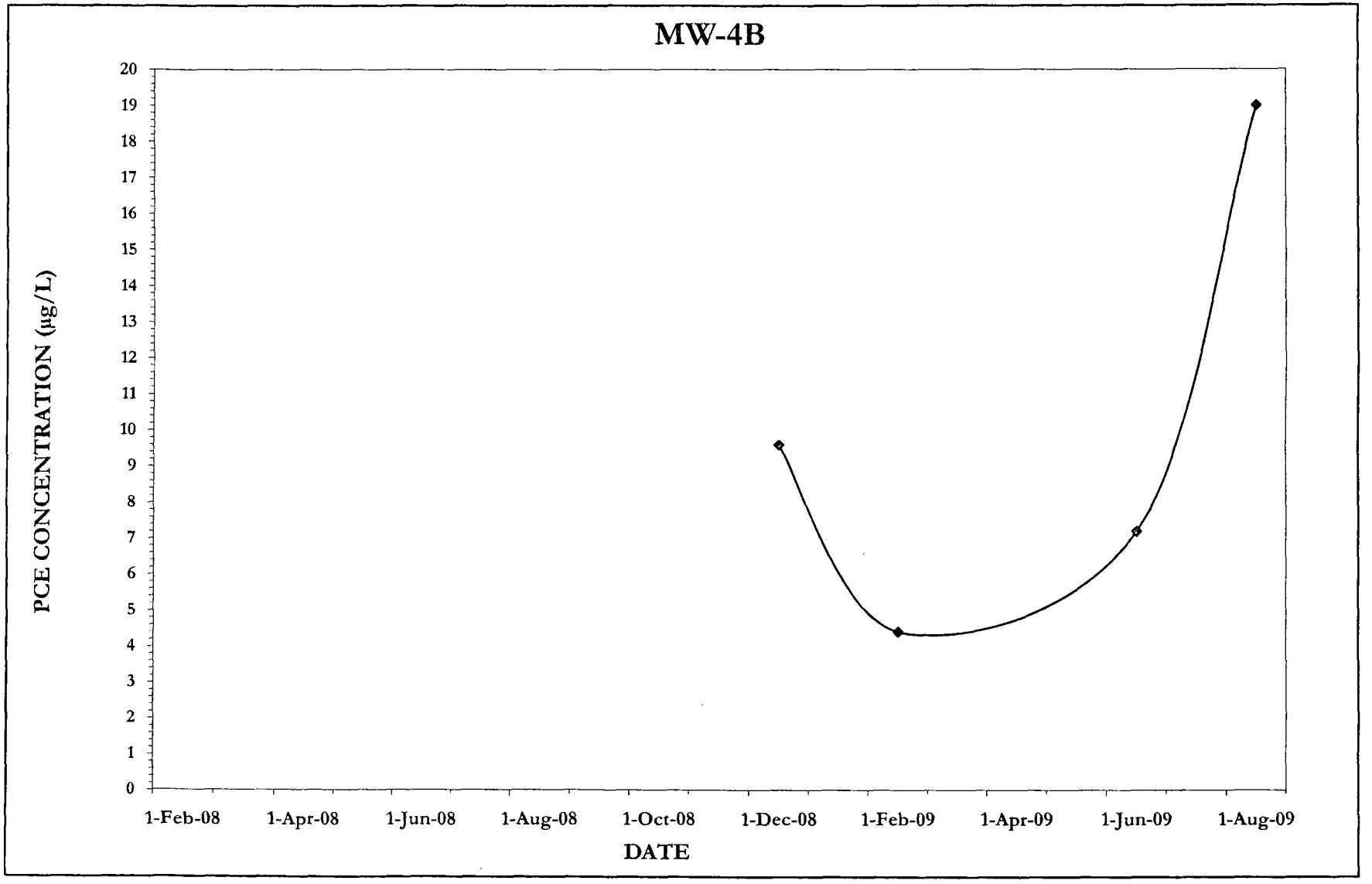


FIGURE 4-5(f)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

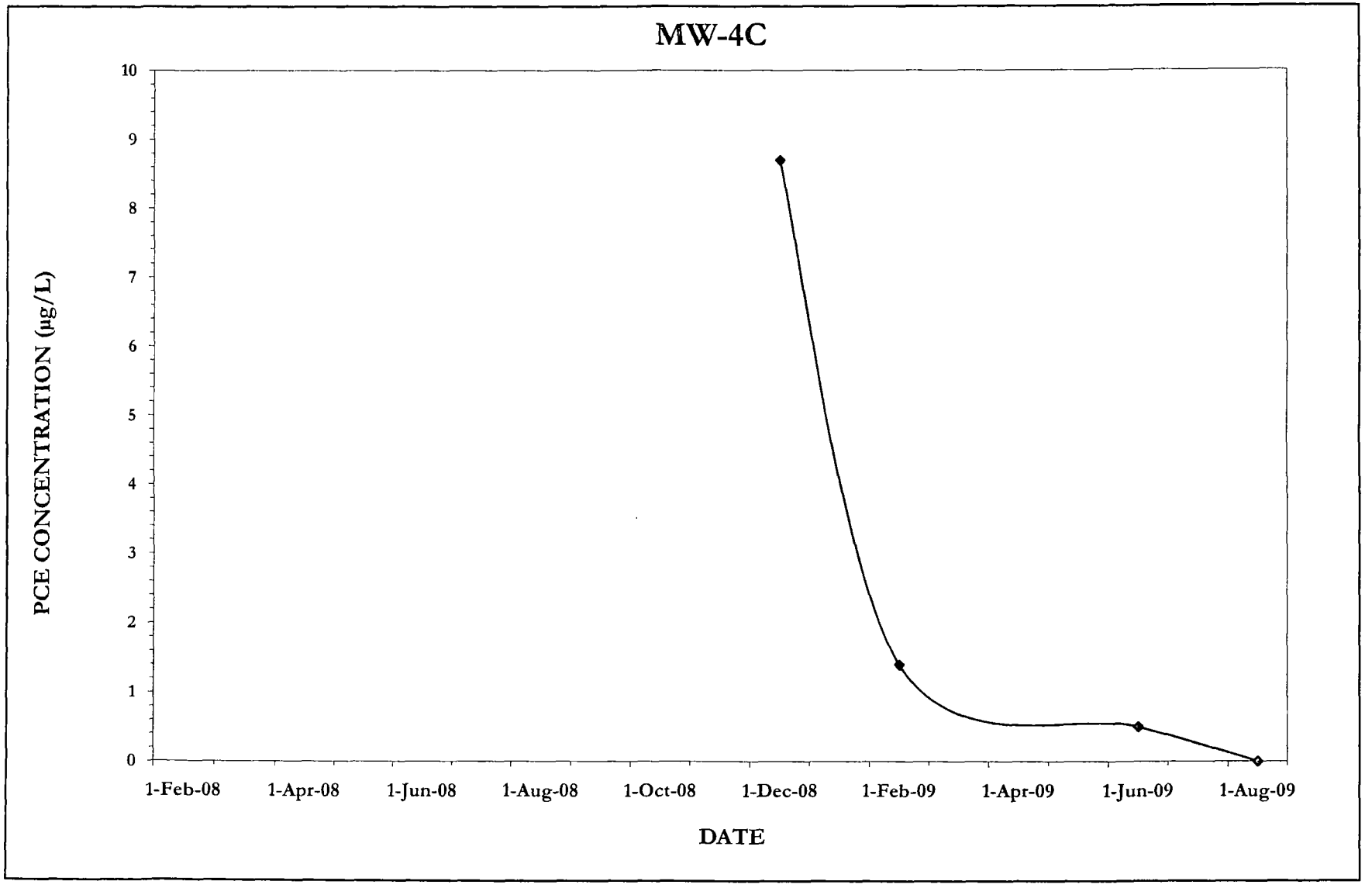


FIGURE 4-5(g)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

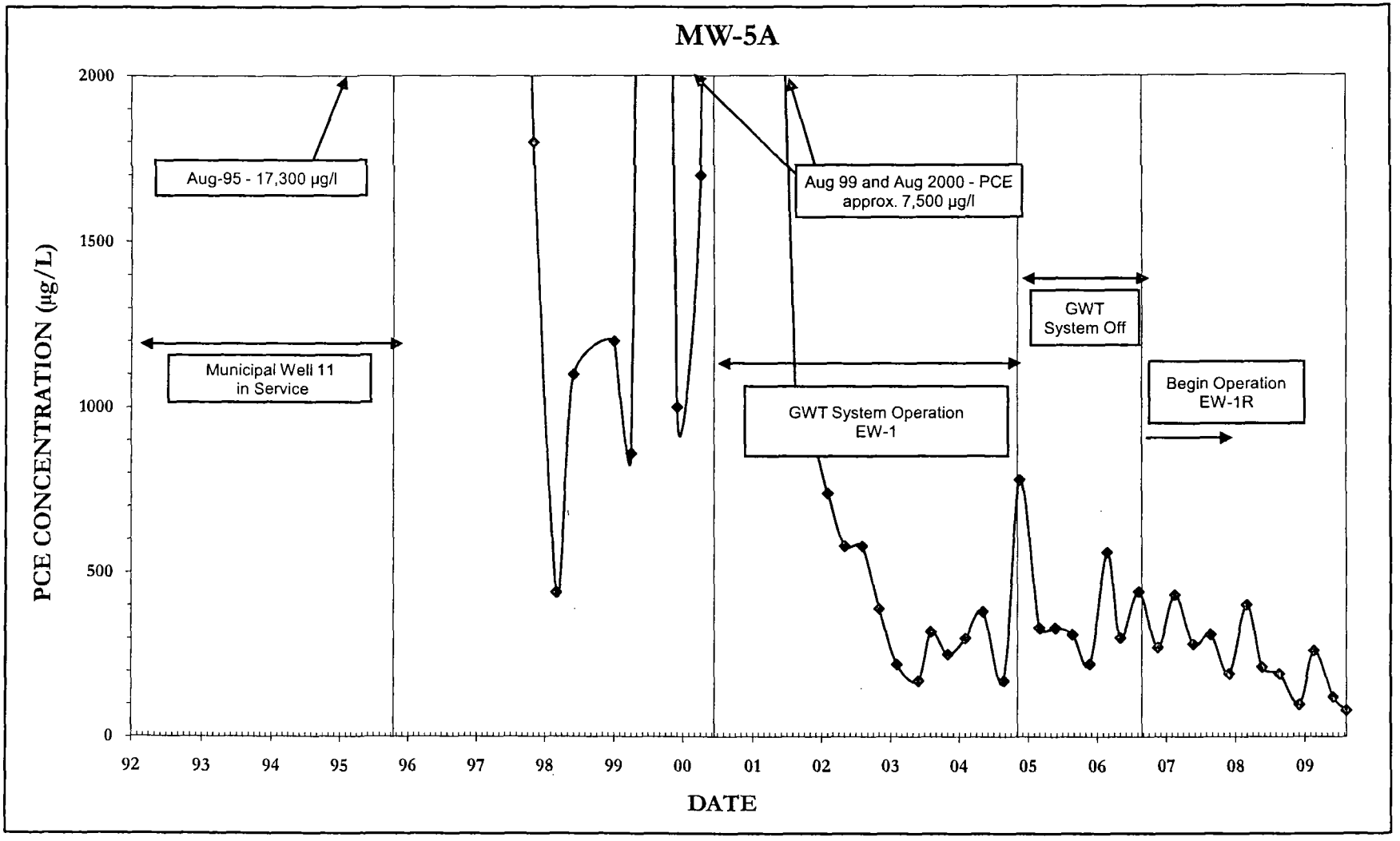


FIGURE 4-5(h)

HISTORICAL PCE CONCENTRATION IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

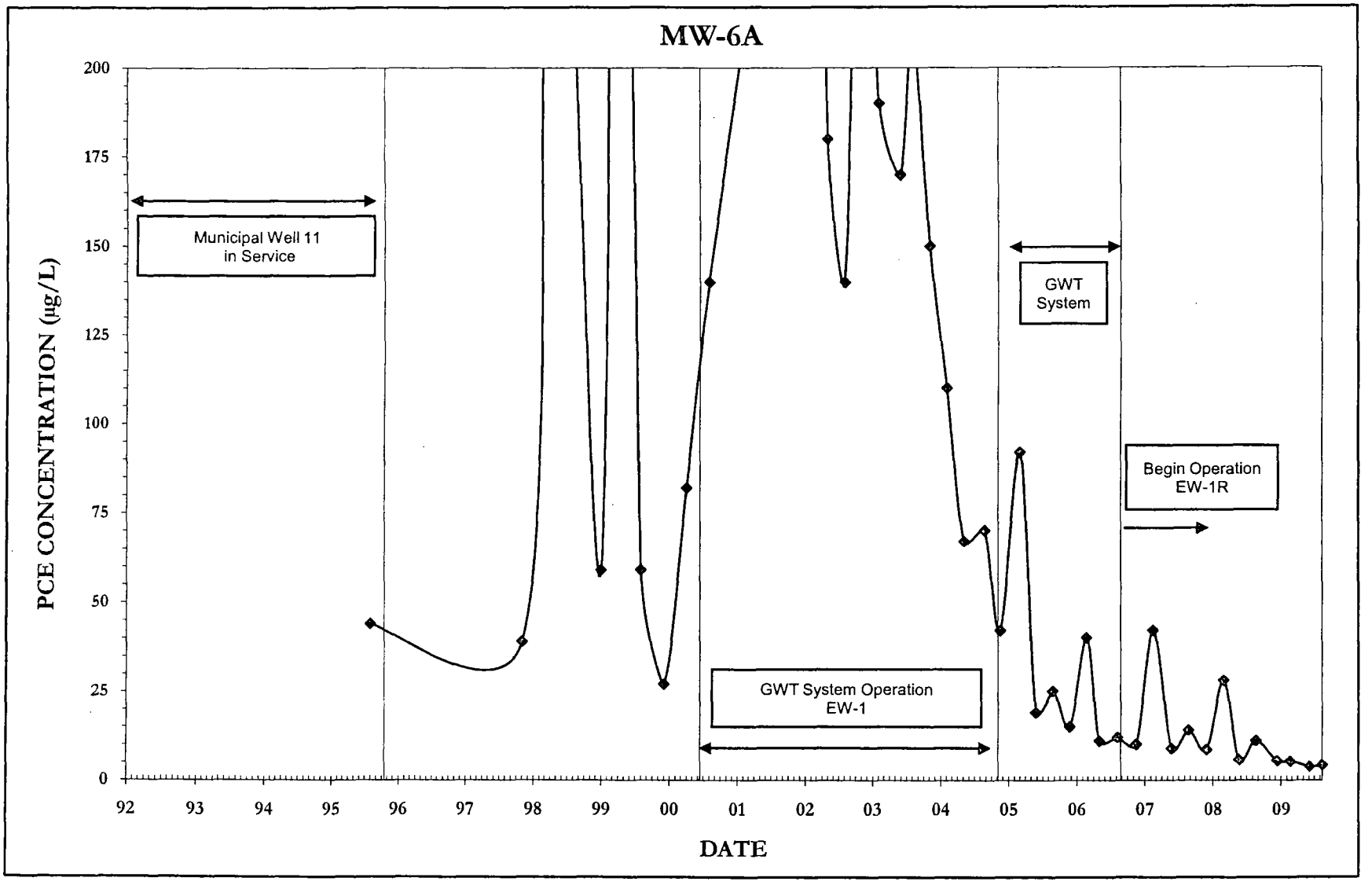


FIGURE 4-5(i)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

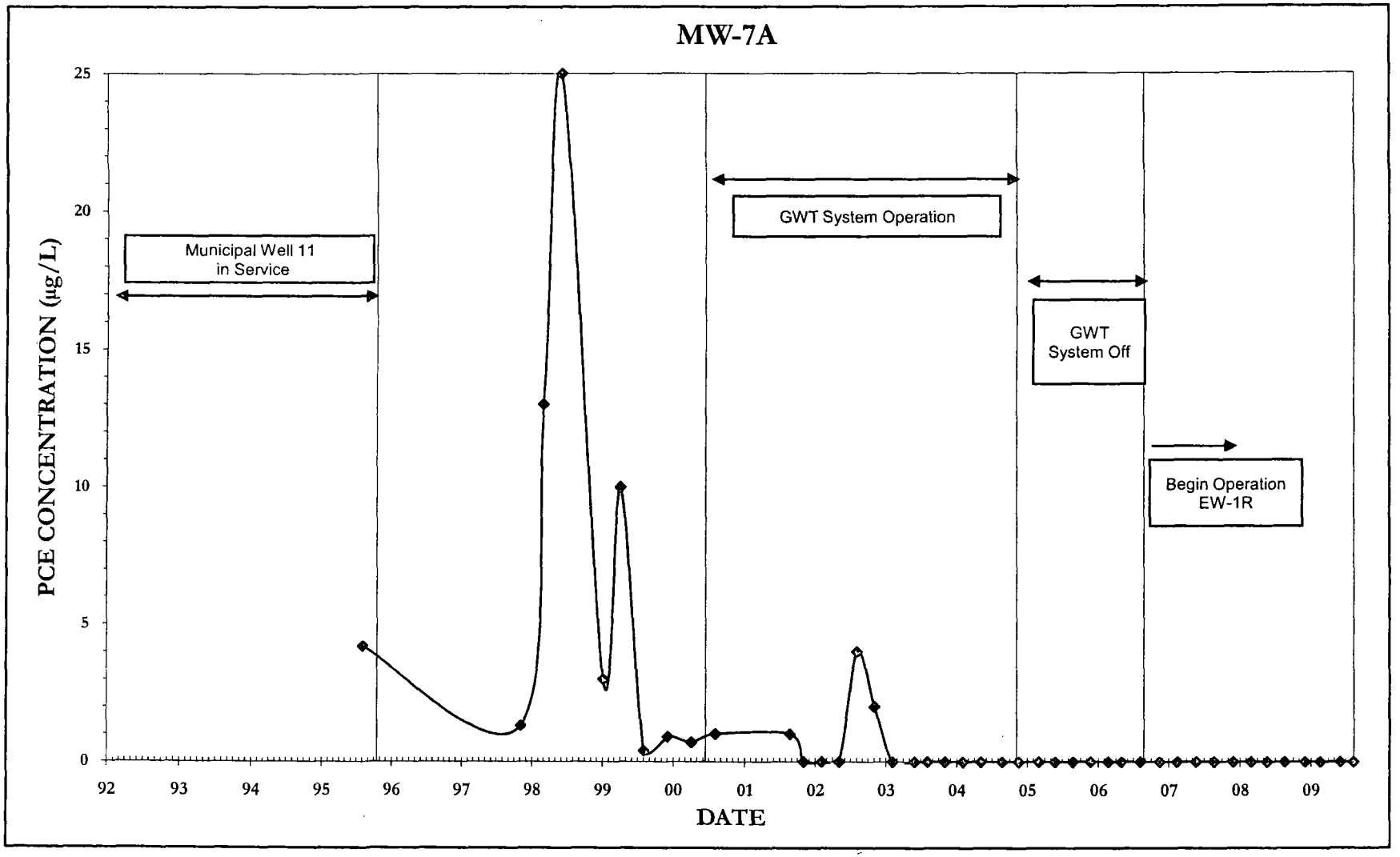


FIGURE 4-5(j)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

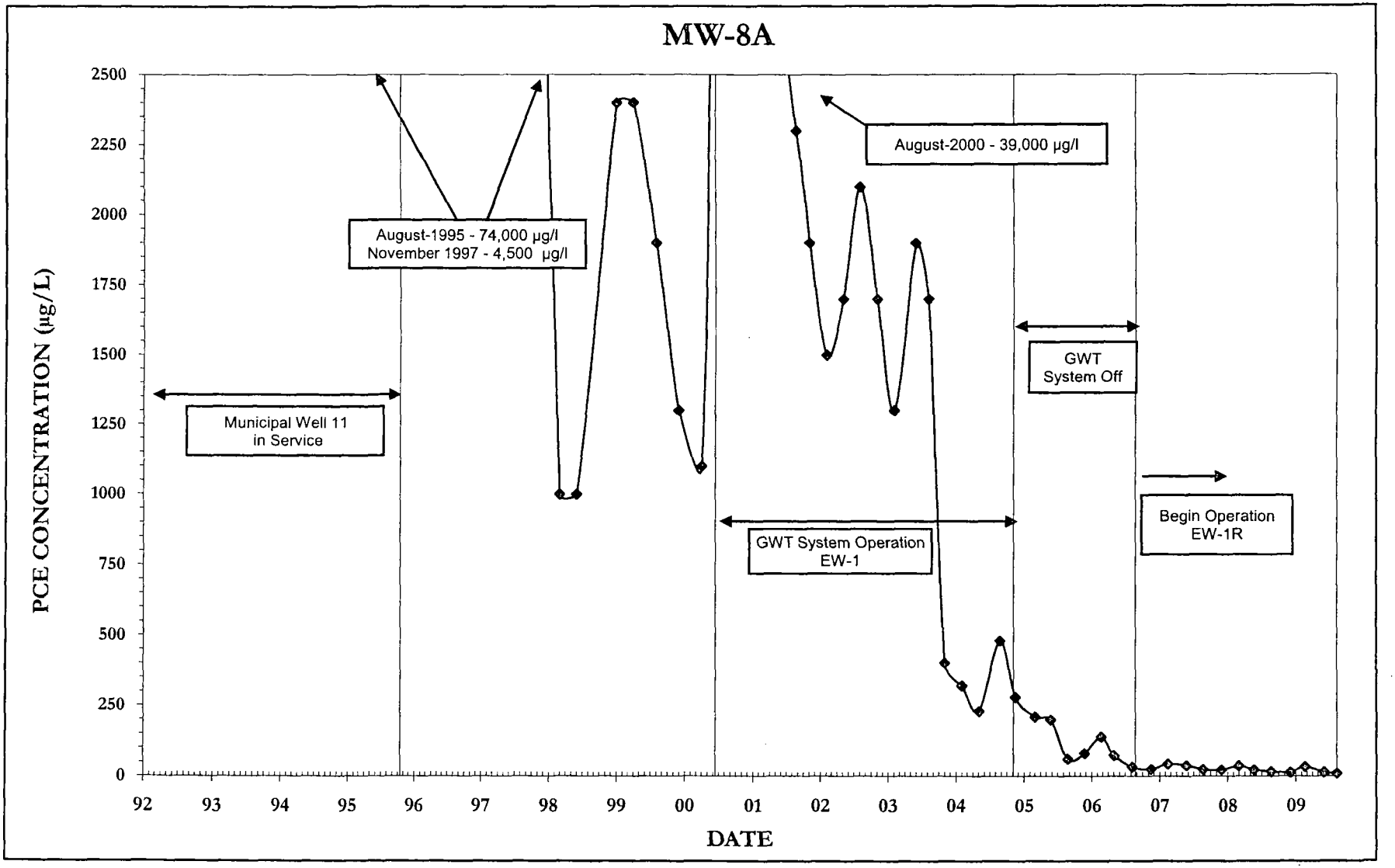


FIGURE 4-5(k)

HISTORICAL PCE CONCENTRATIONS IN
GROUDNWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

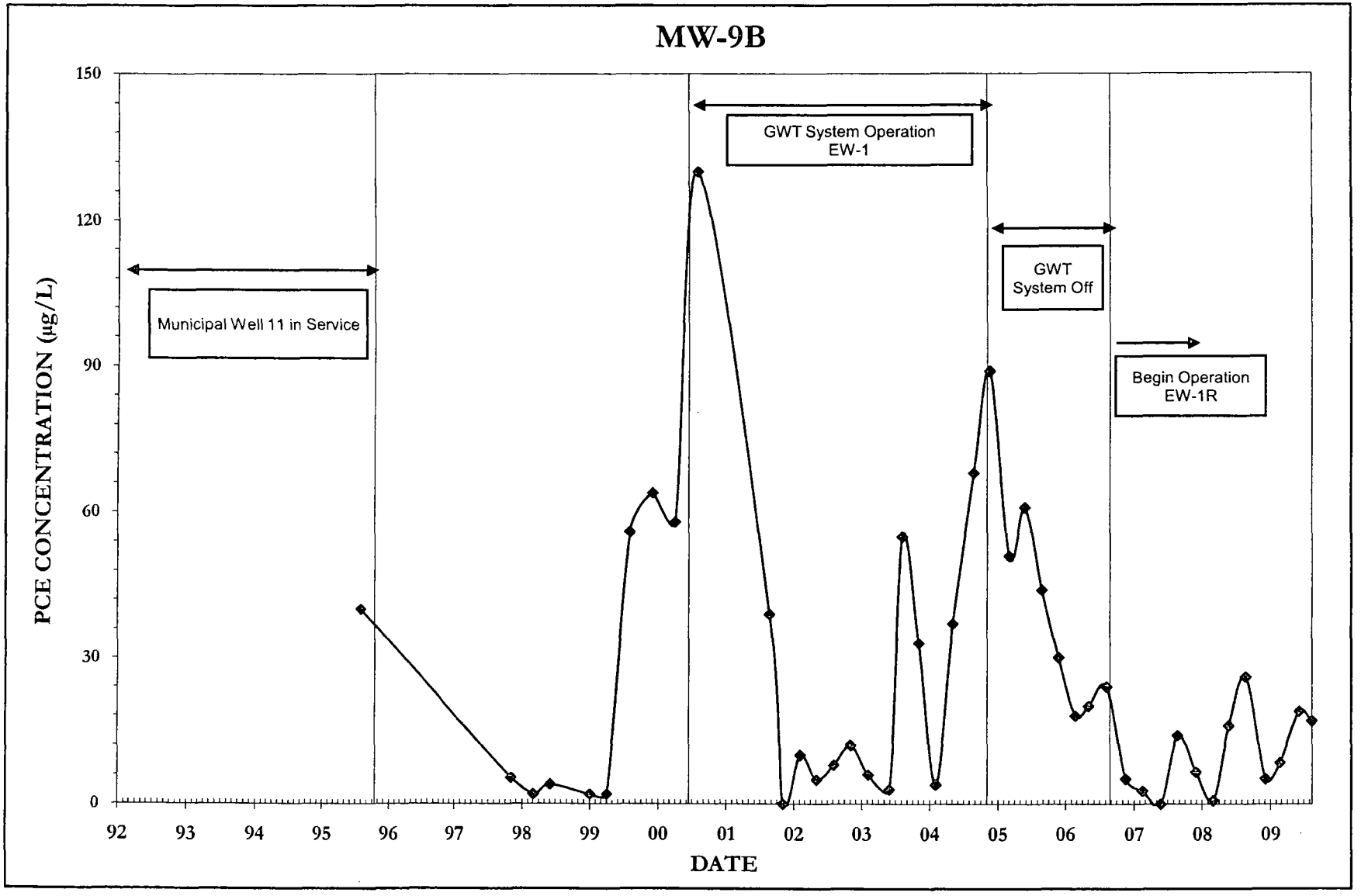


FIGURE 4-5(I)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

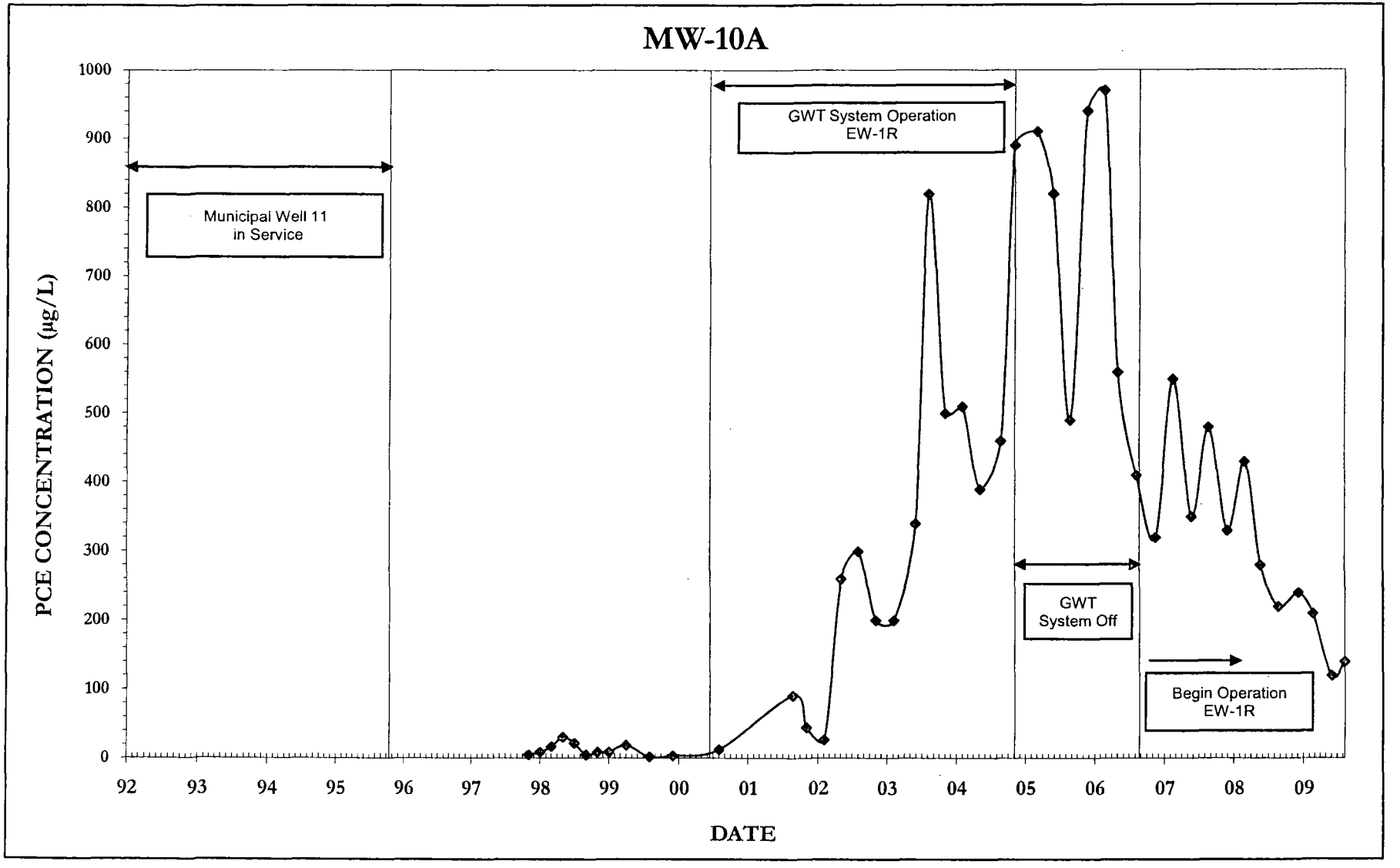


FIGURE 4-5(m)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

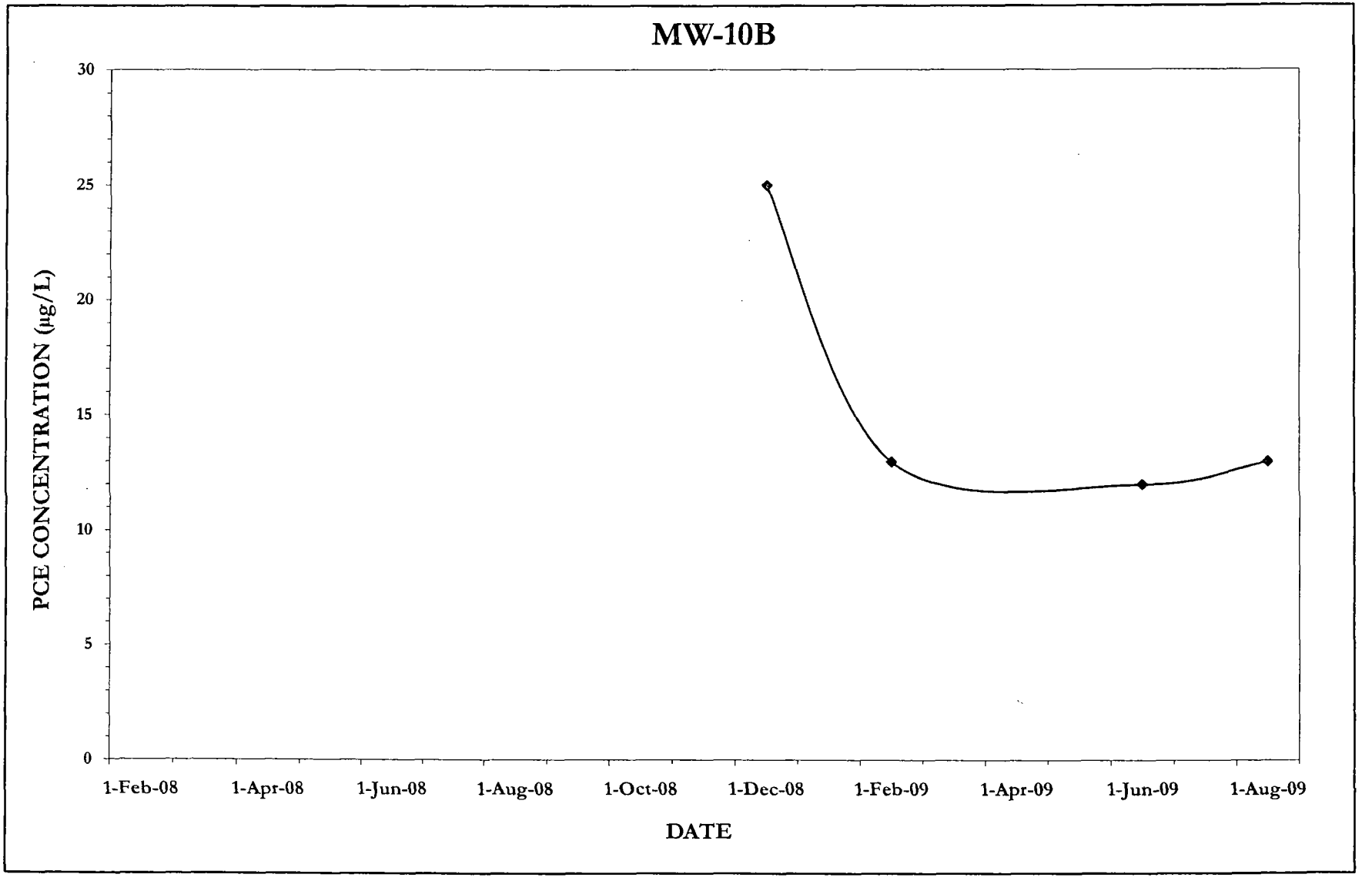


FIGURE 4-5(n)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

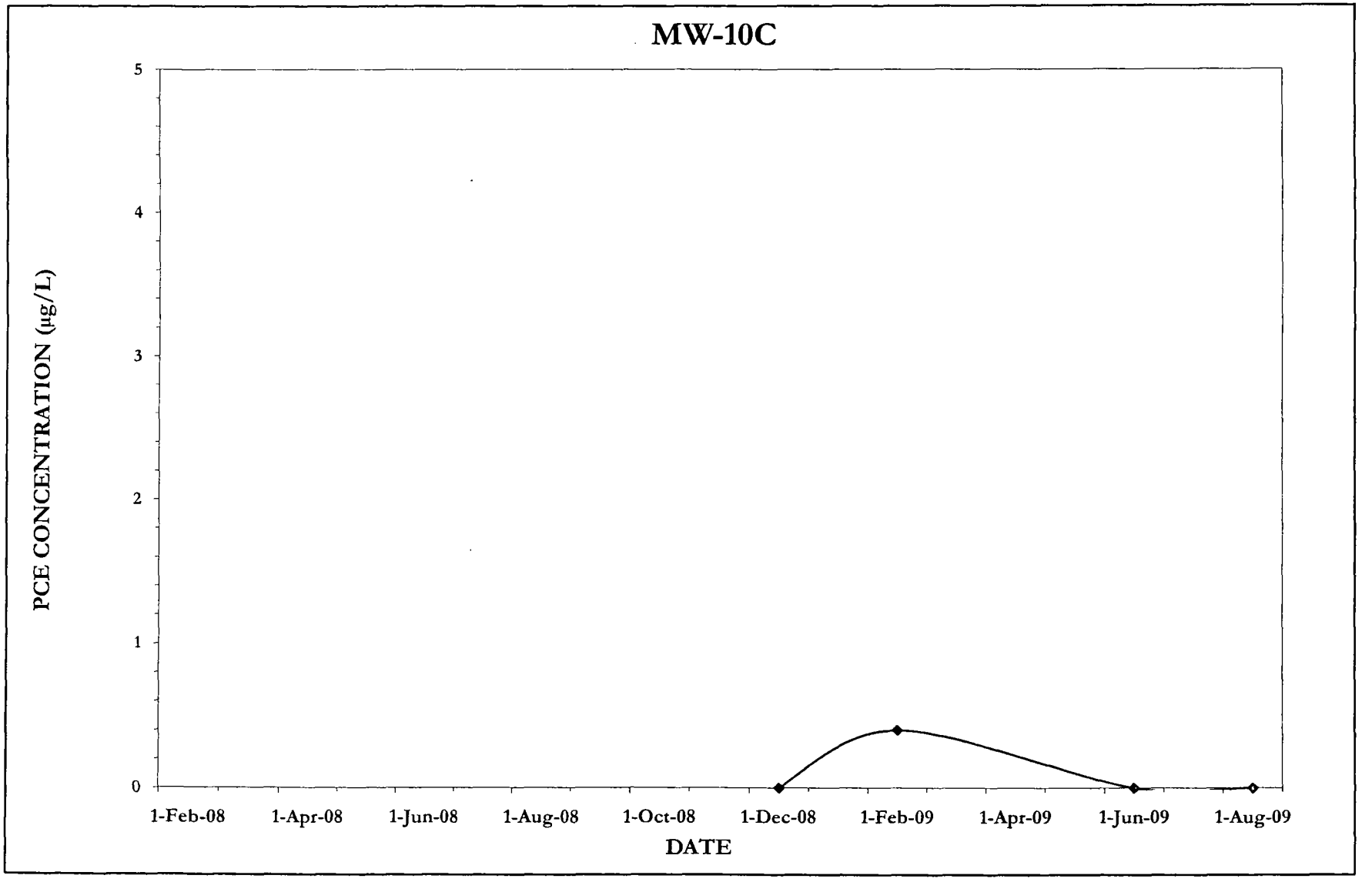


FIGURE 4-5(o)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

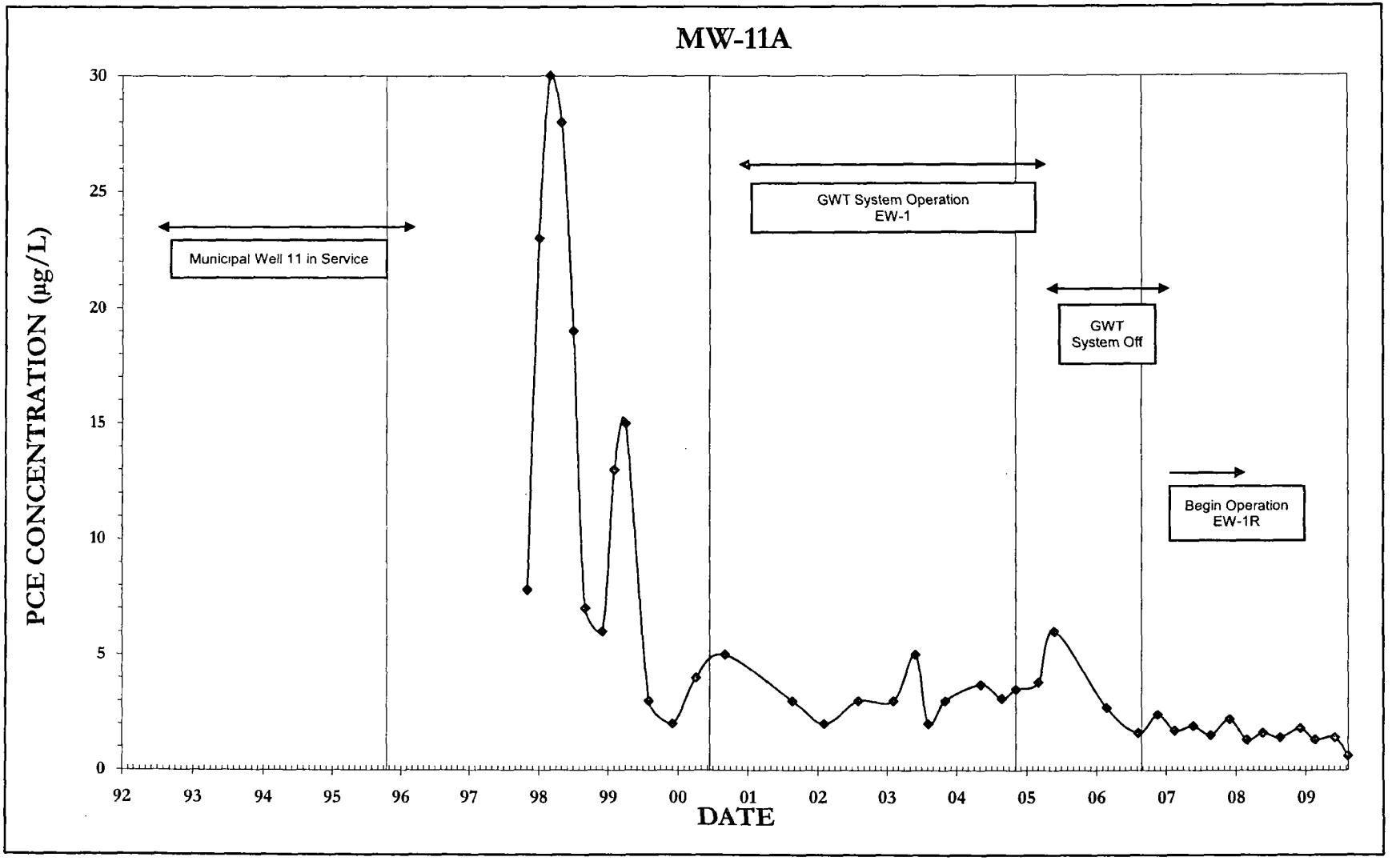


FIGURE 4-5(p)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

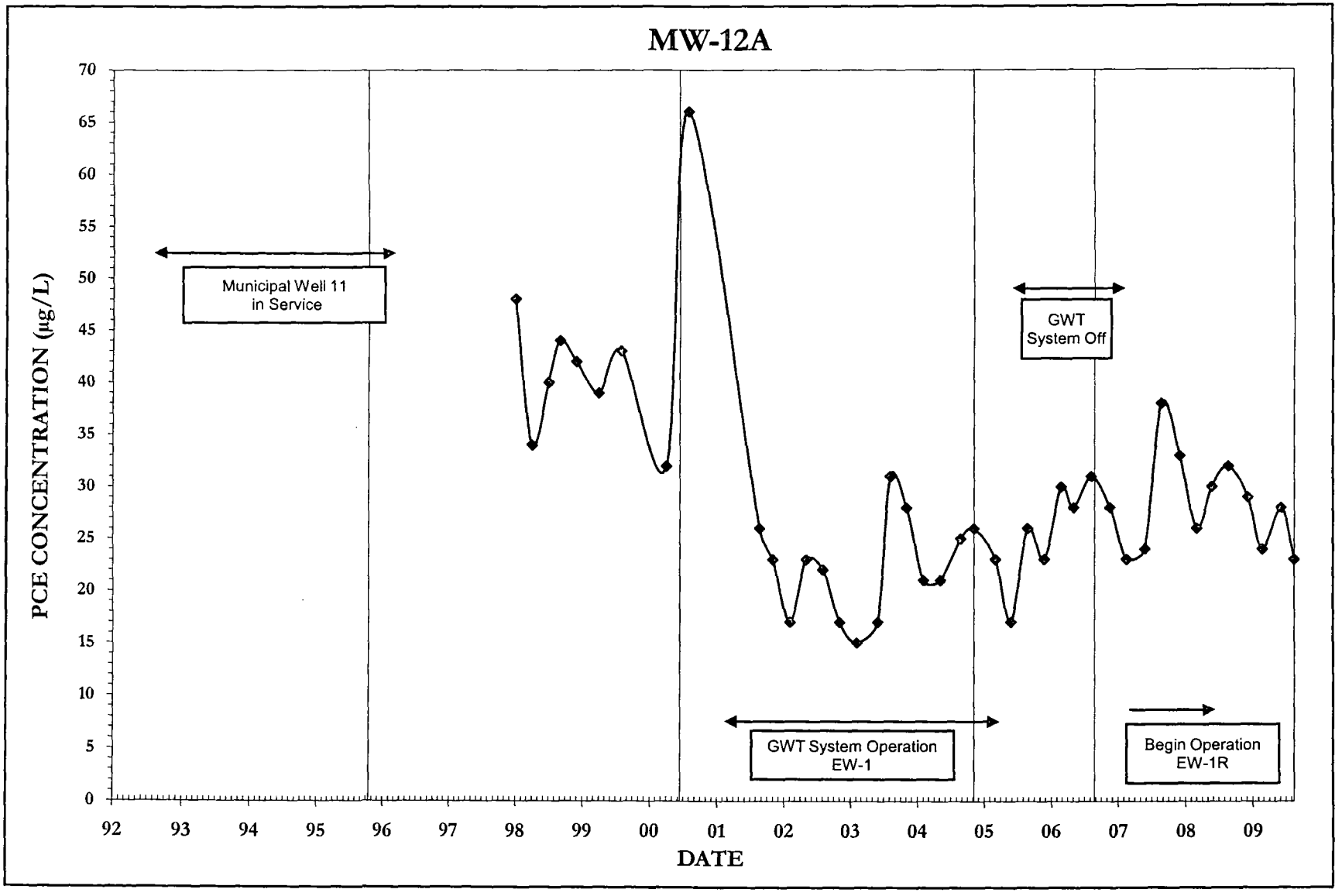


FIGURE 4-5(q)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

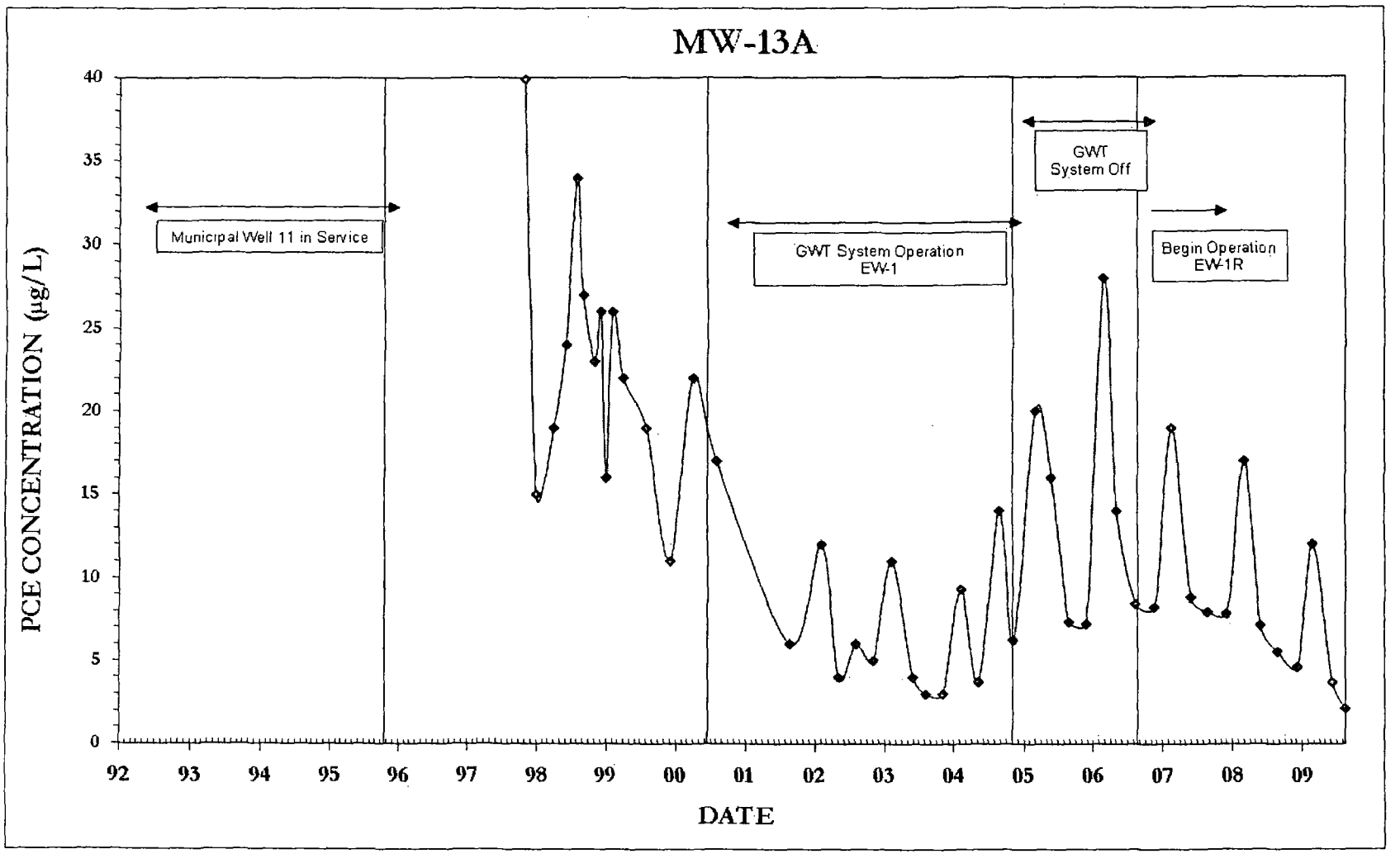


FIGURE 4-5(r)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

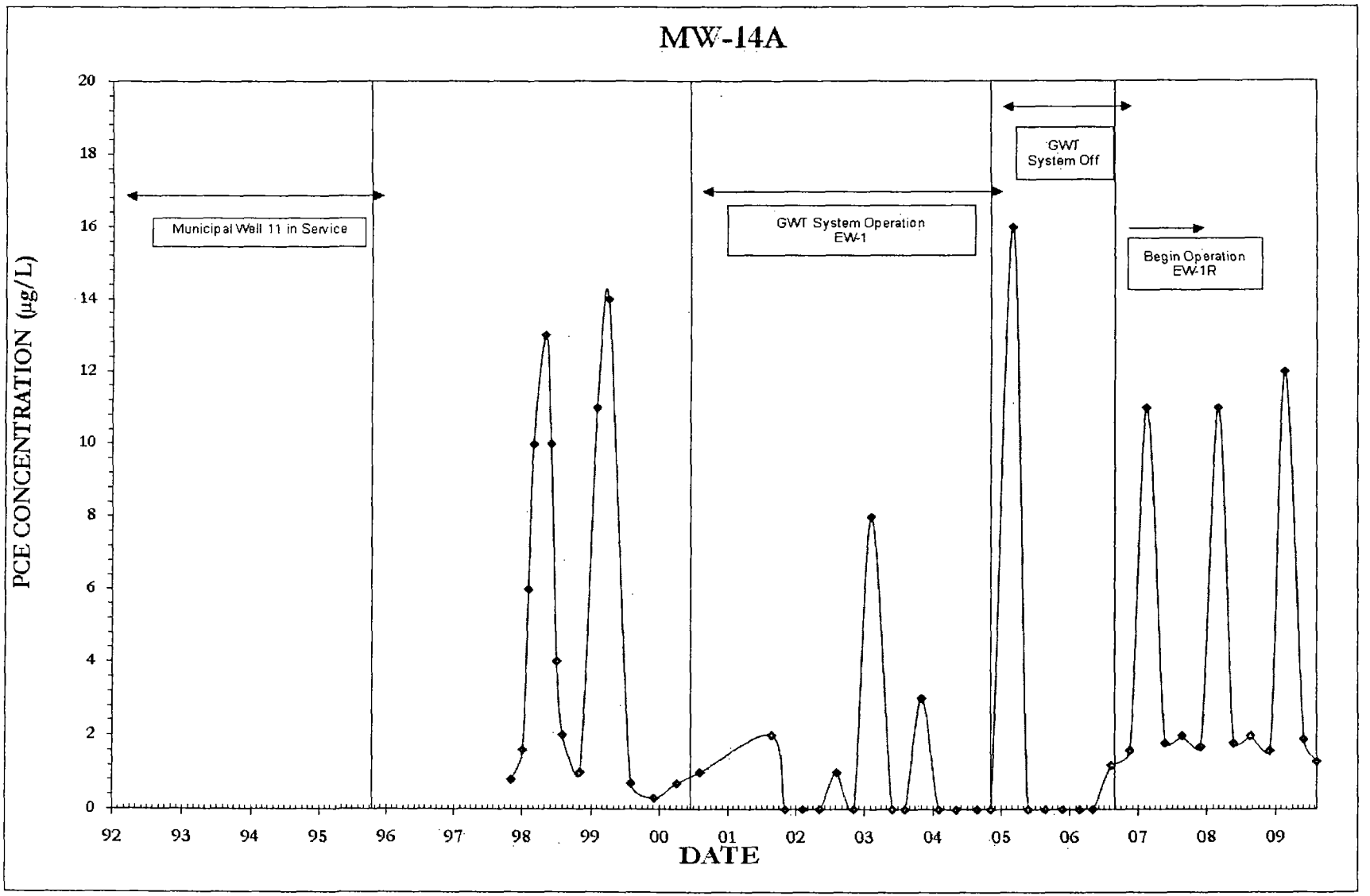


FIGURE 4-5(s)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

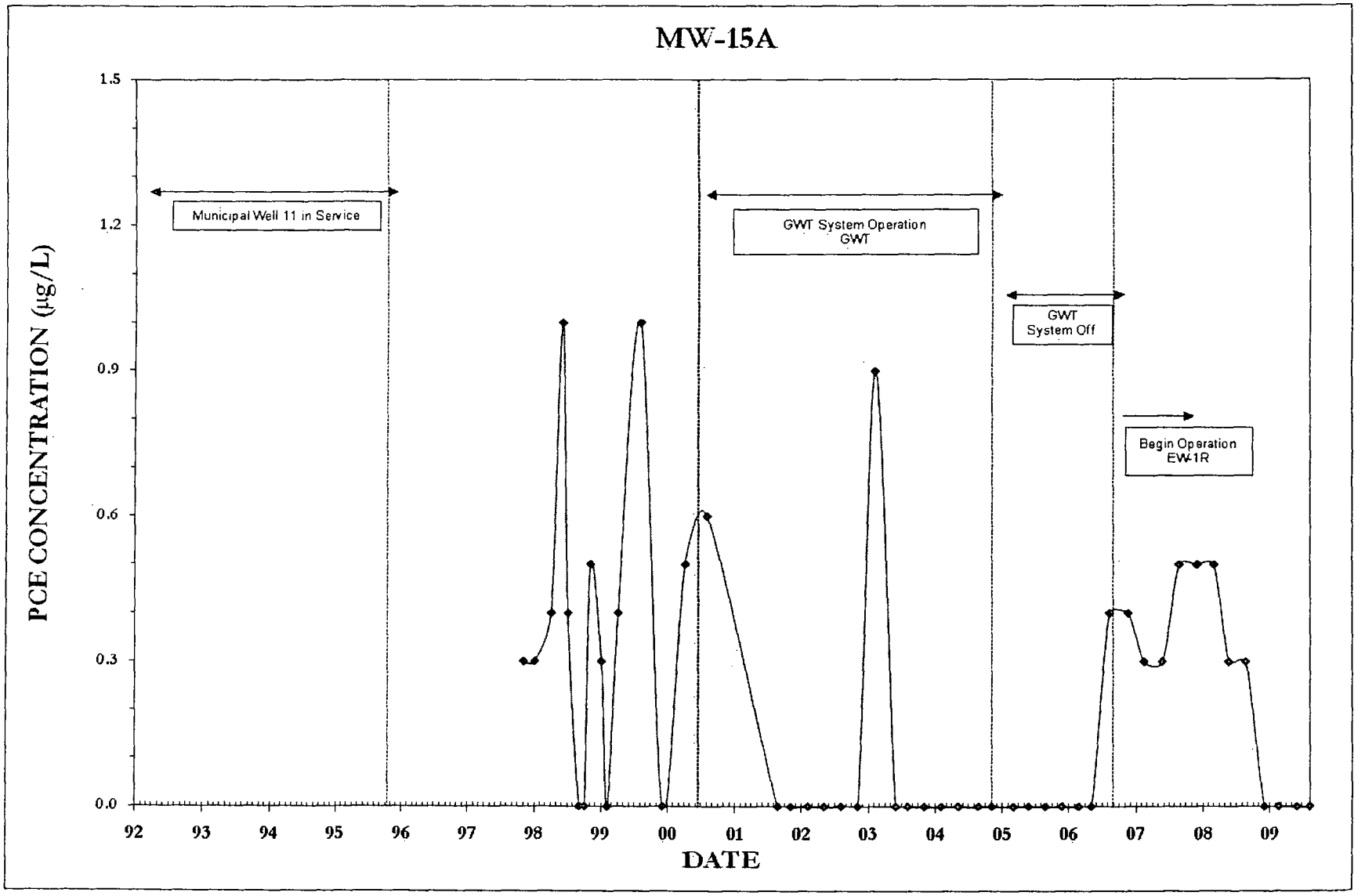


FIGURE 4-5(t)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

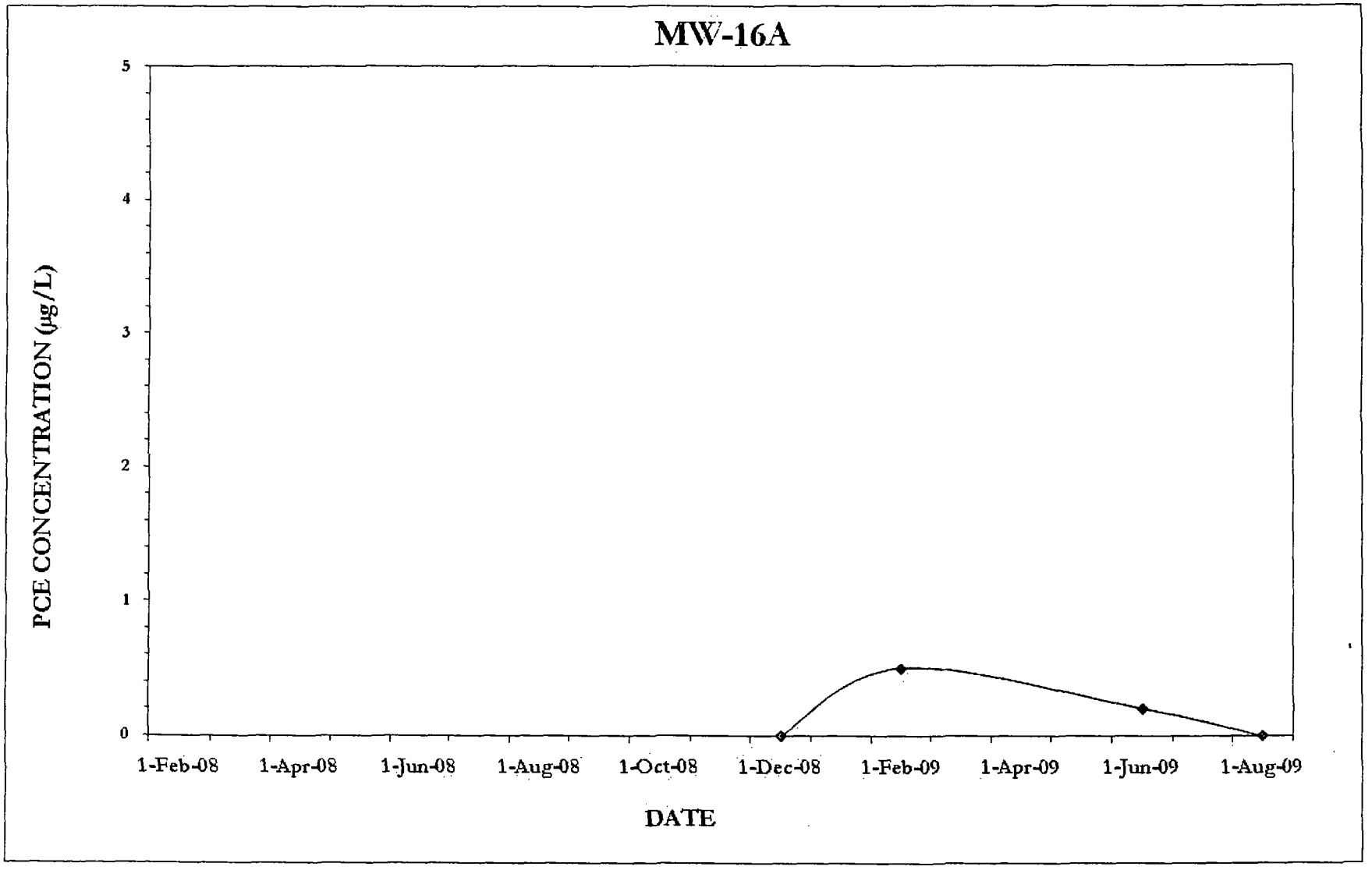


FIGURE 4-5(u)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

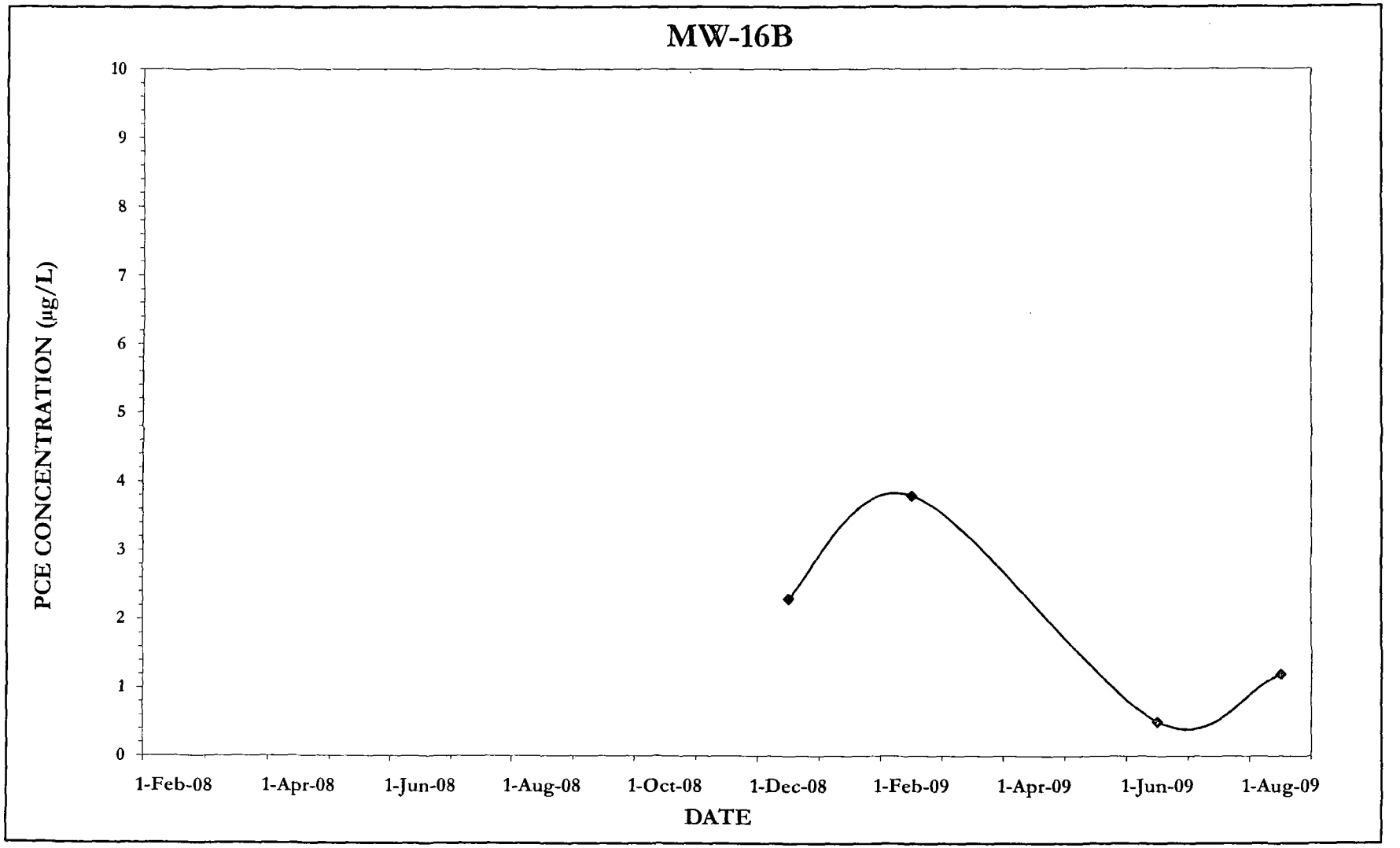


FIGURE 4-5(v)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

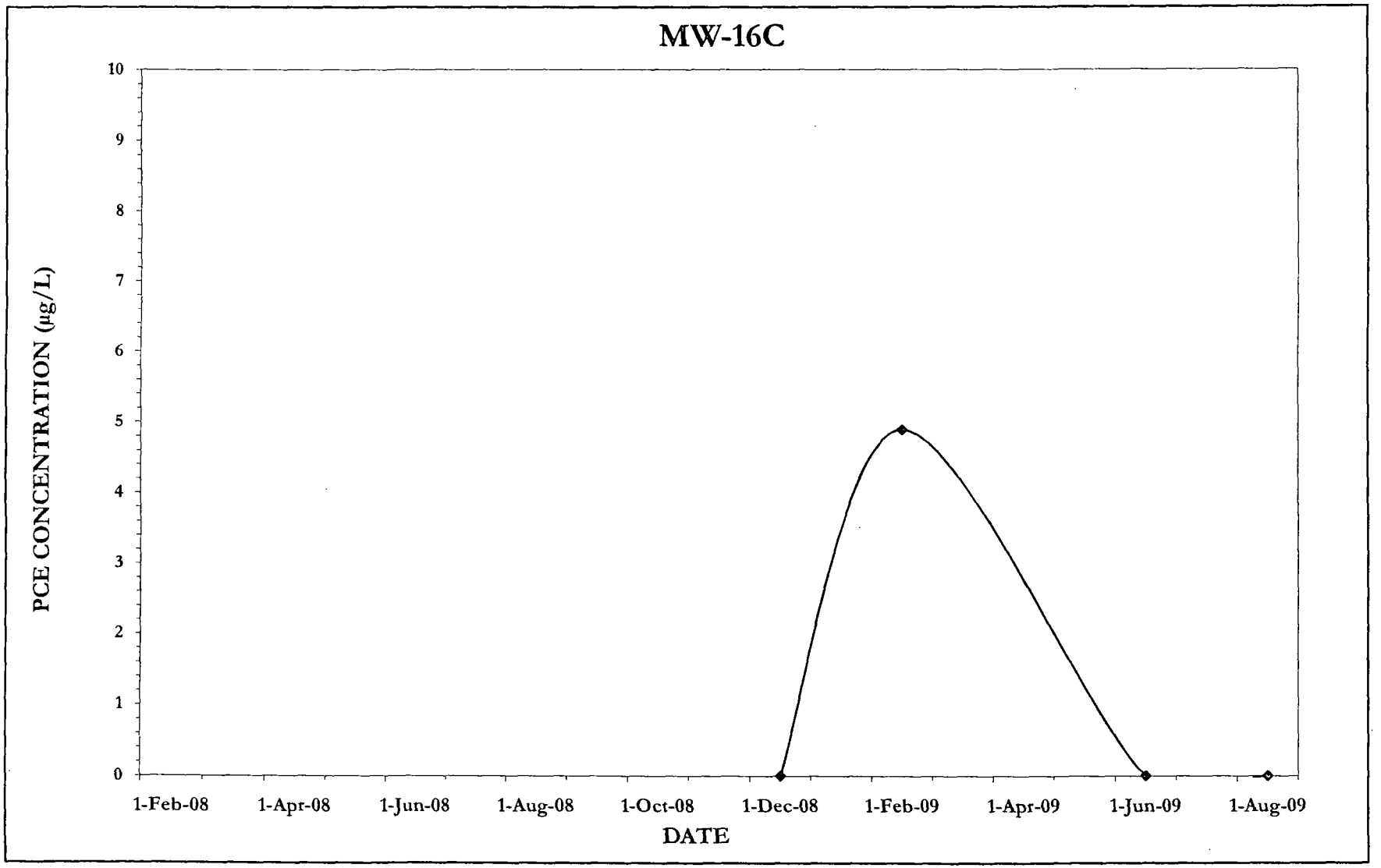


FIGURE 4-5(w)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

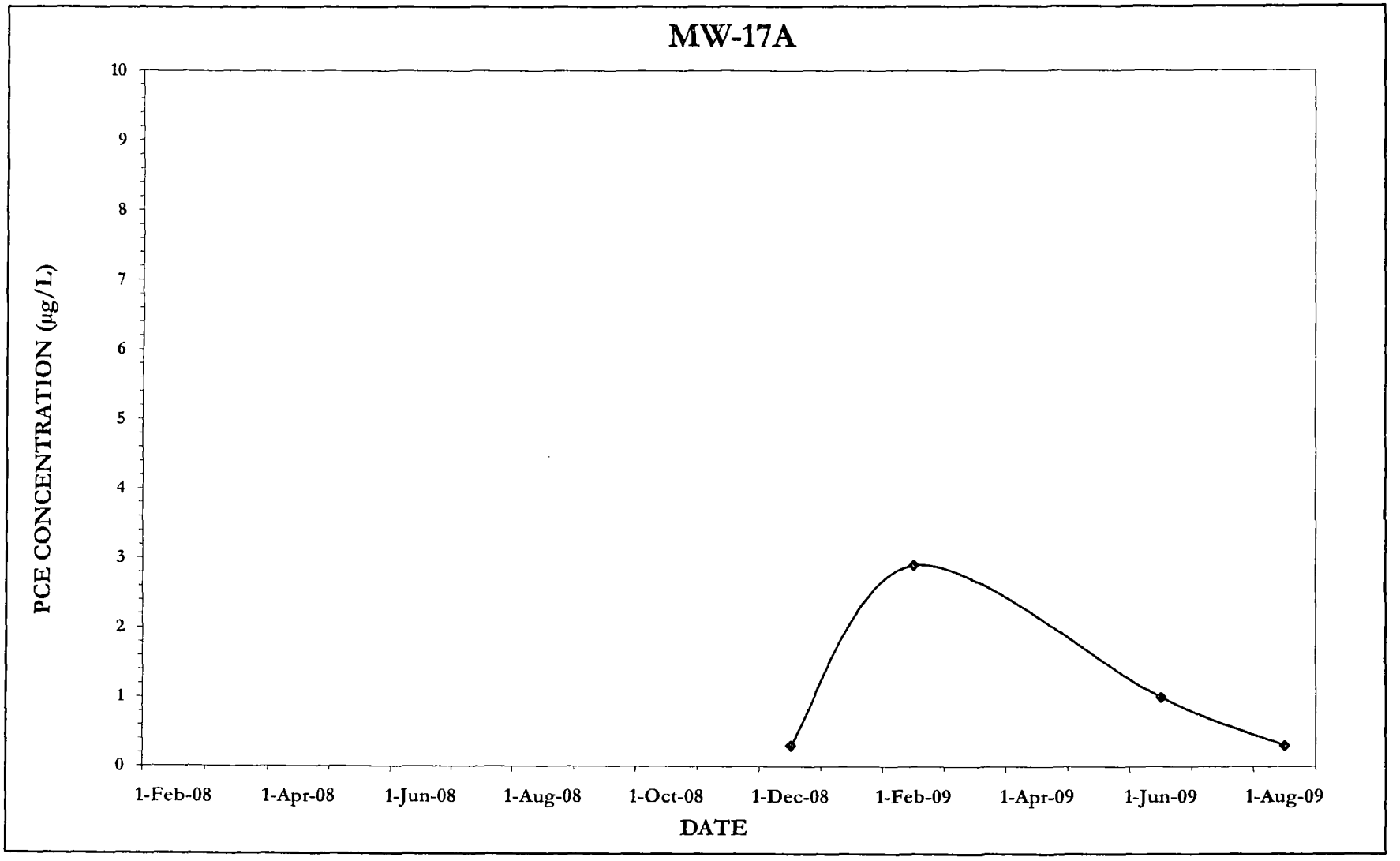


FIGURE 4-5(x)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

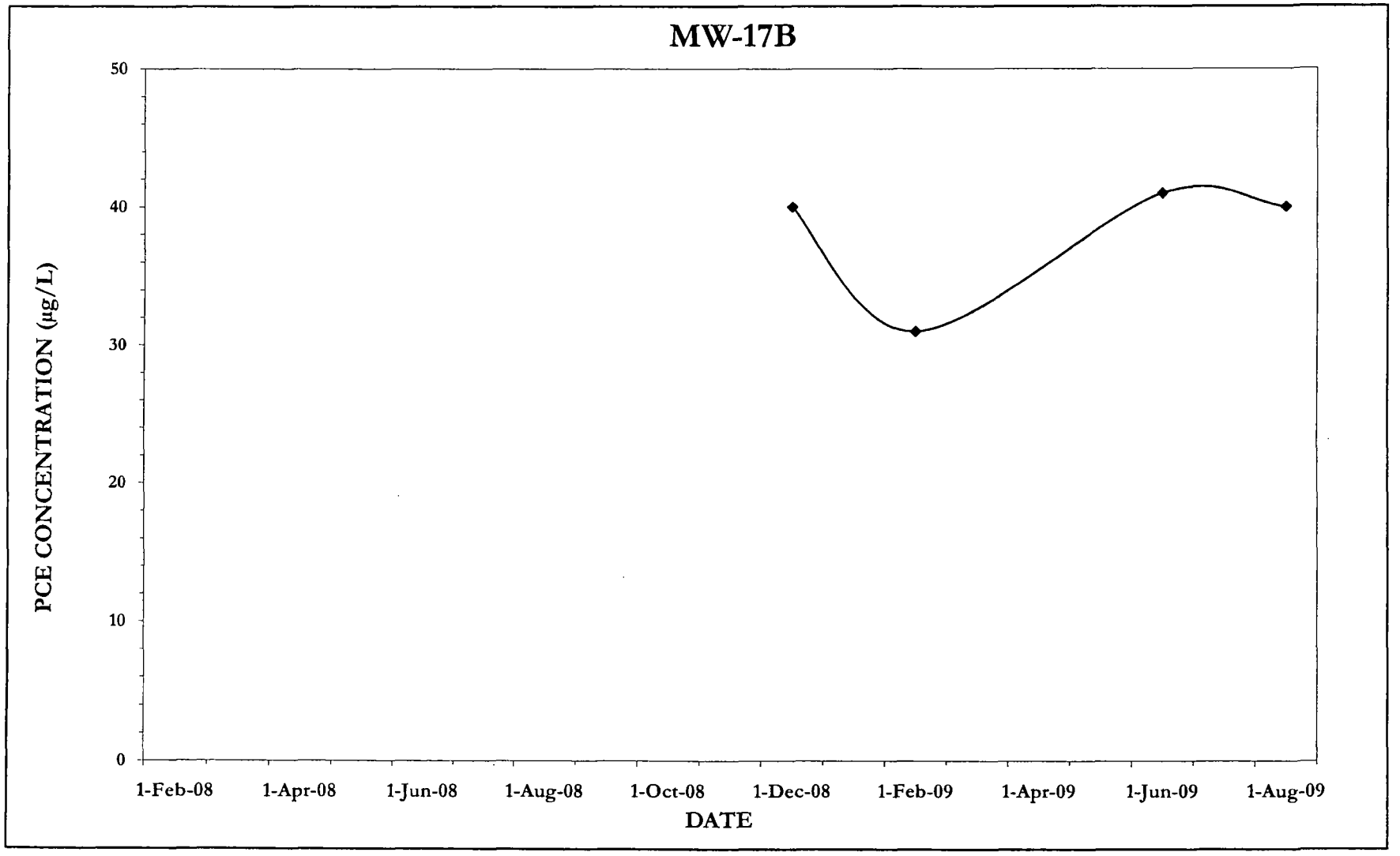


FIGURE 4-5(y)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

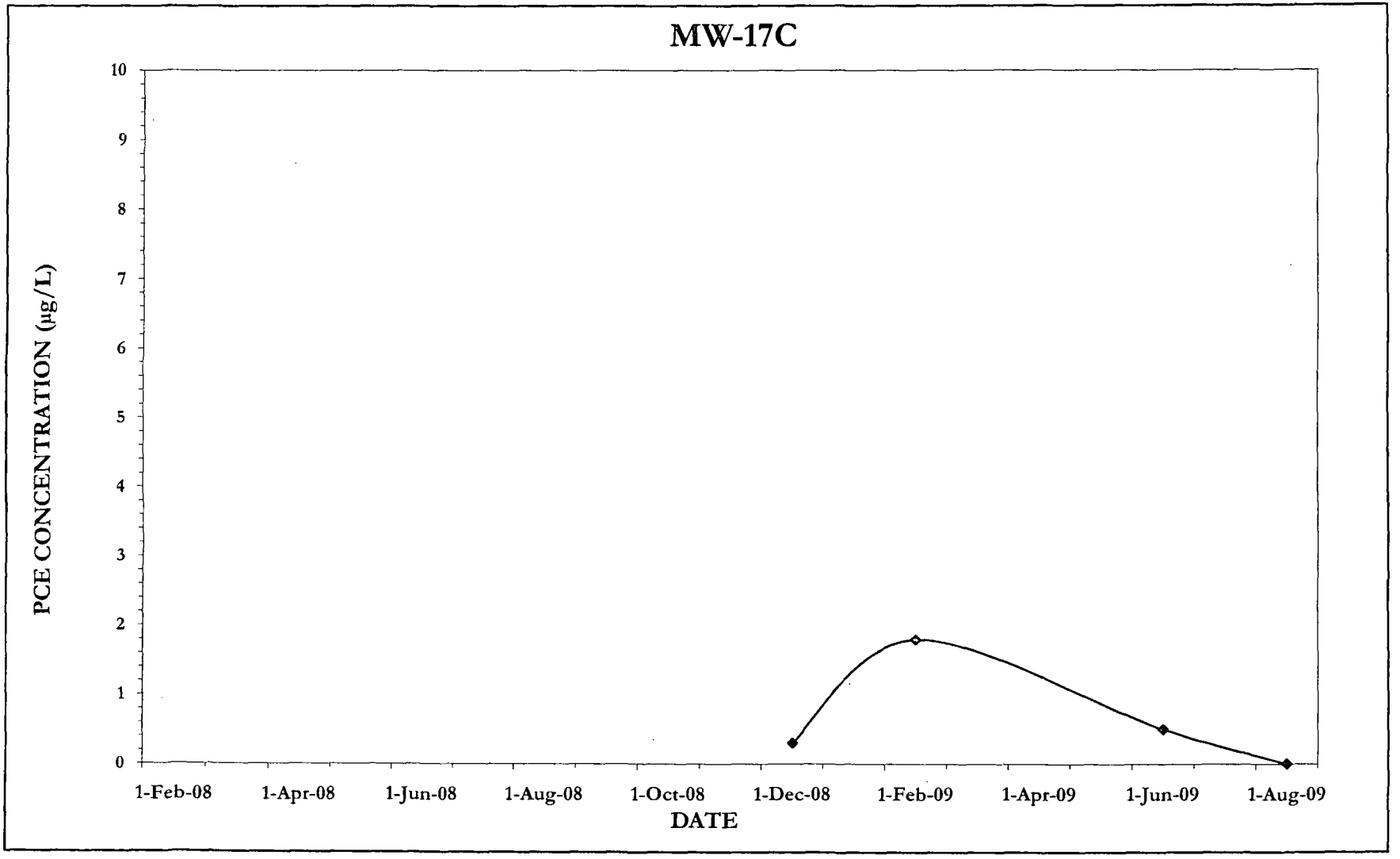


FIGURE 4-5(z)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

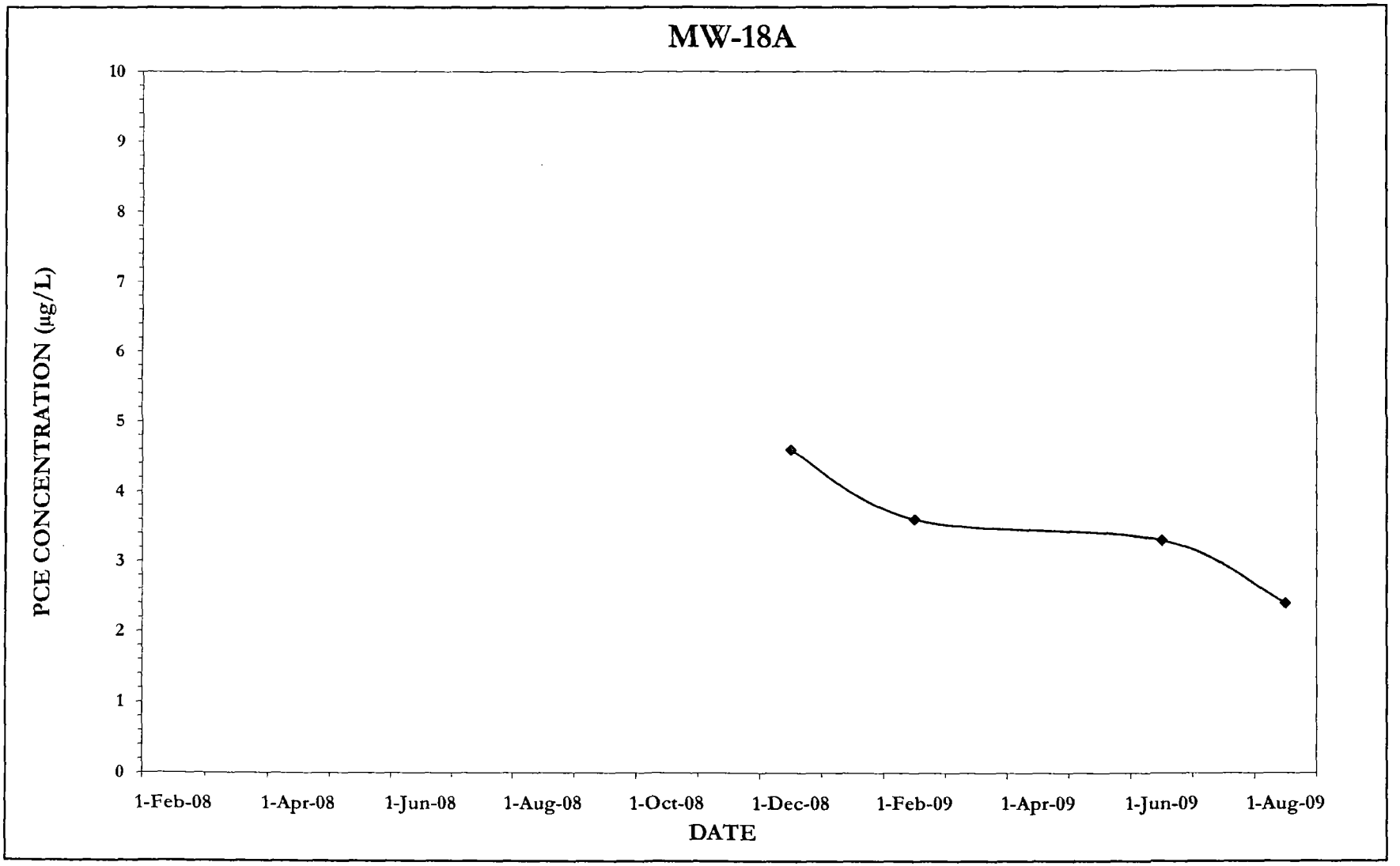


FIGURE 4-5(aa)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

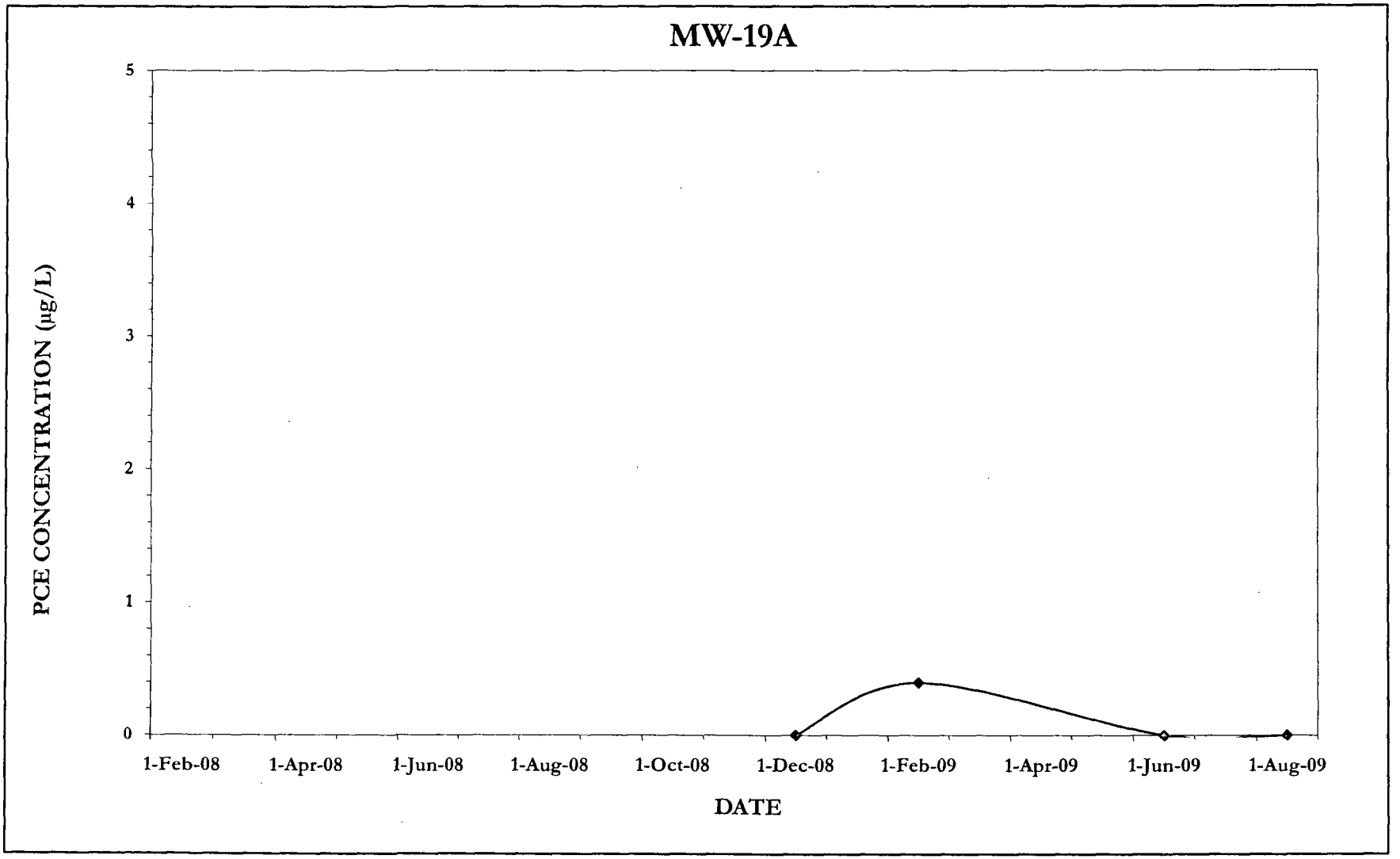


FIGURE 4-5(ab)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

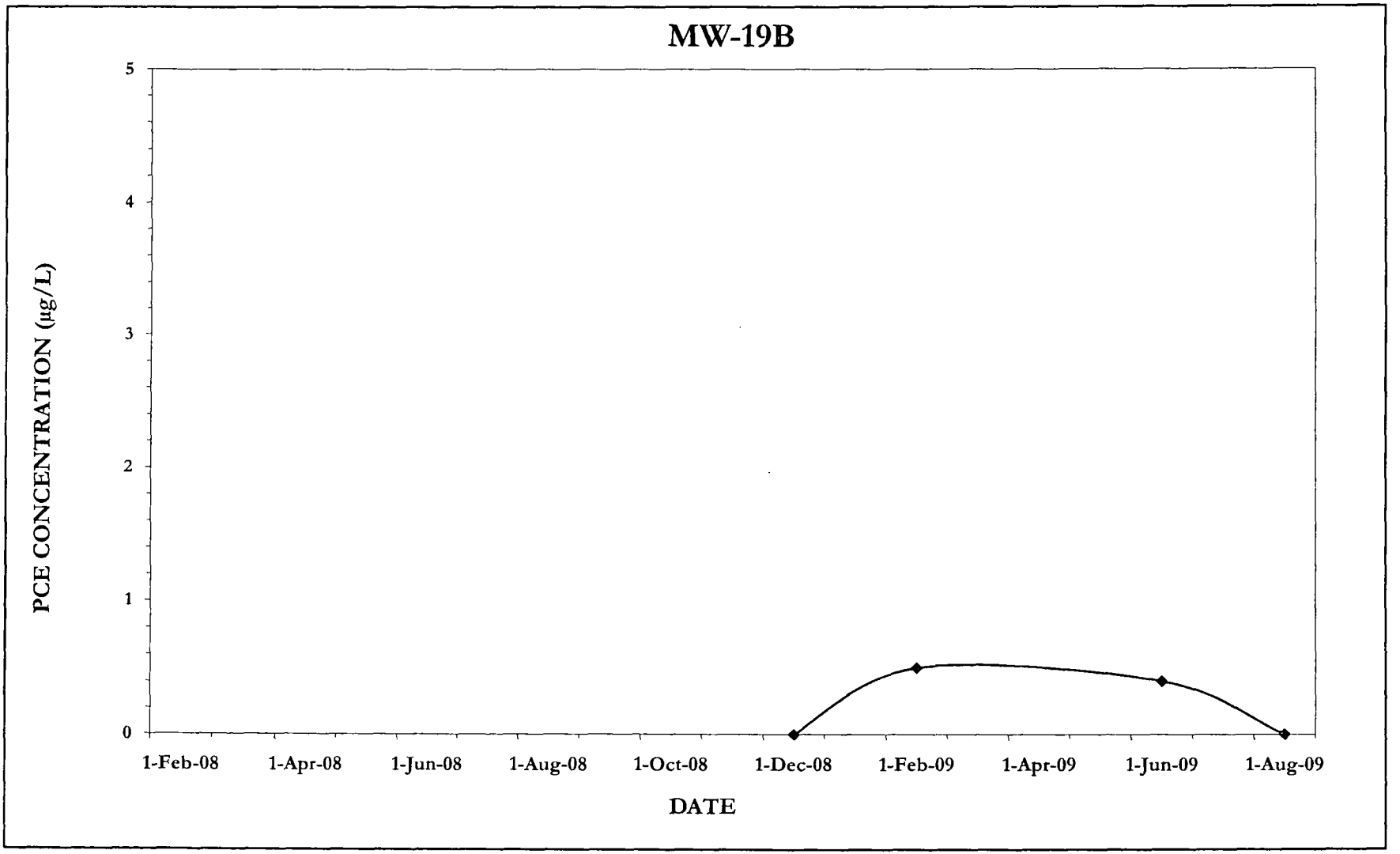


FIGURE 4-5(ac)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

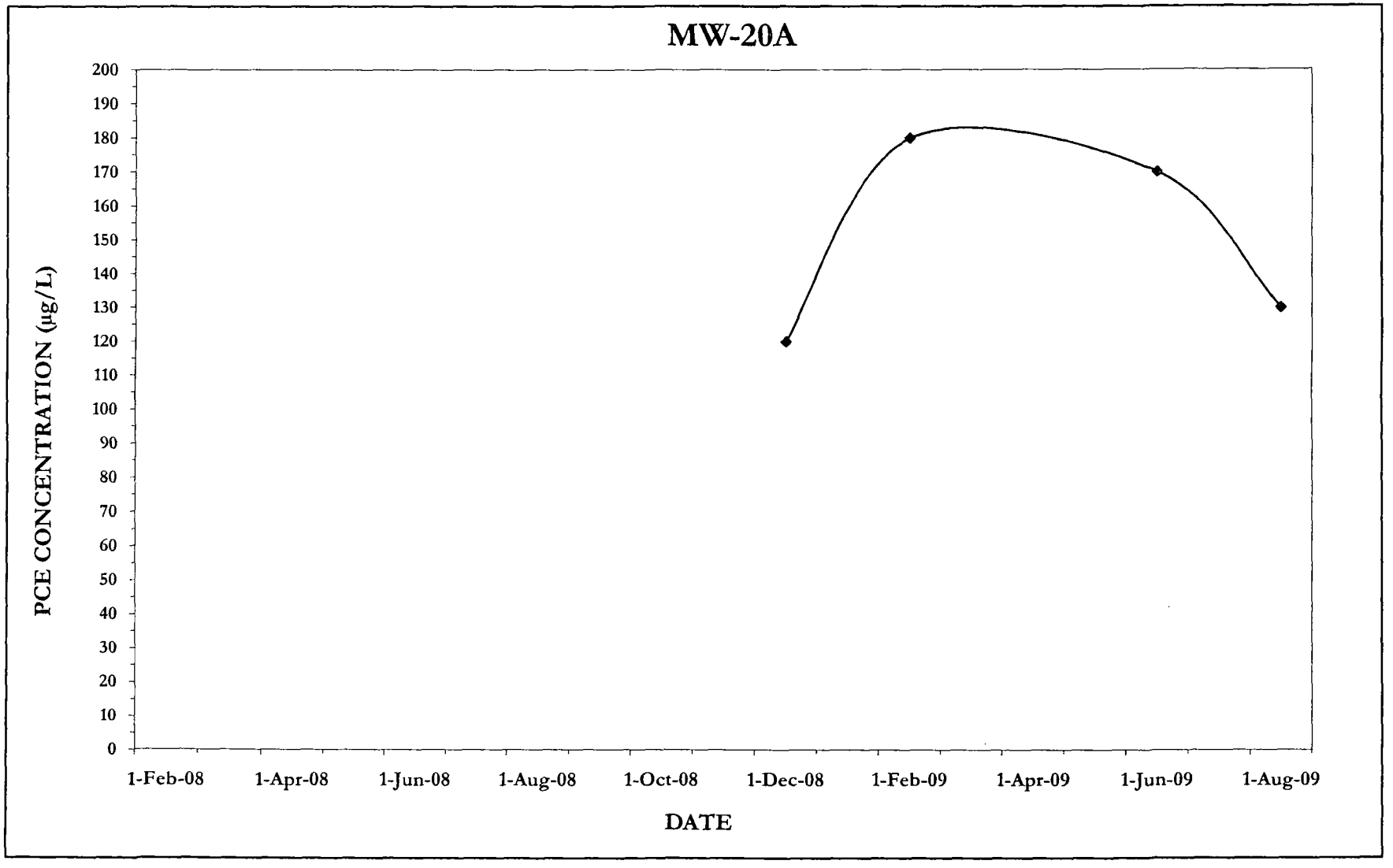


FIGURE 4-5(ad)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

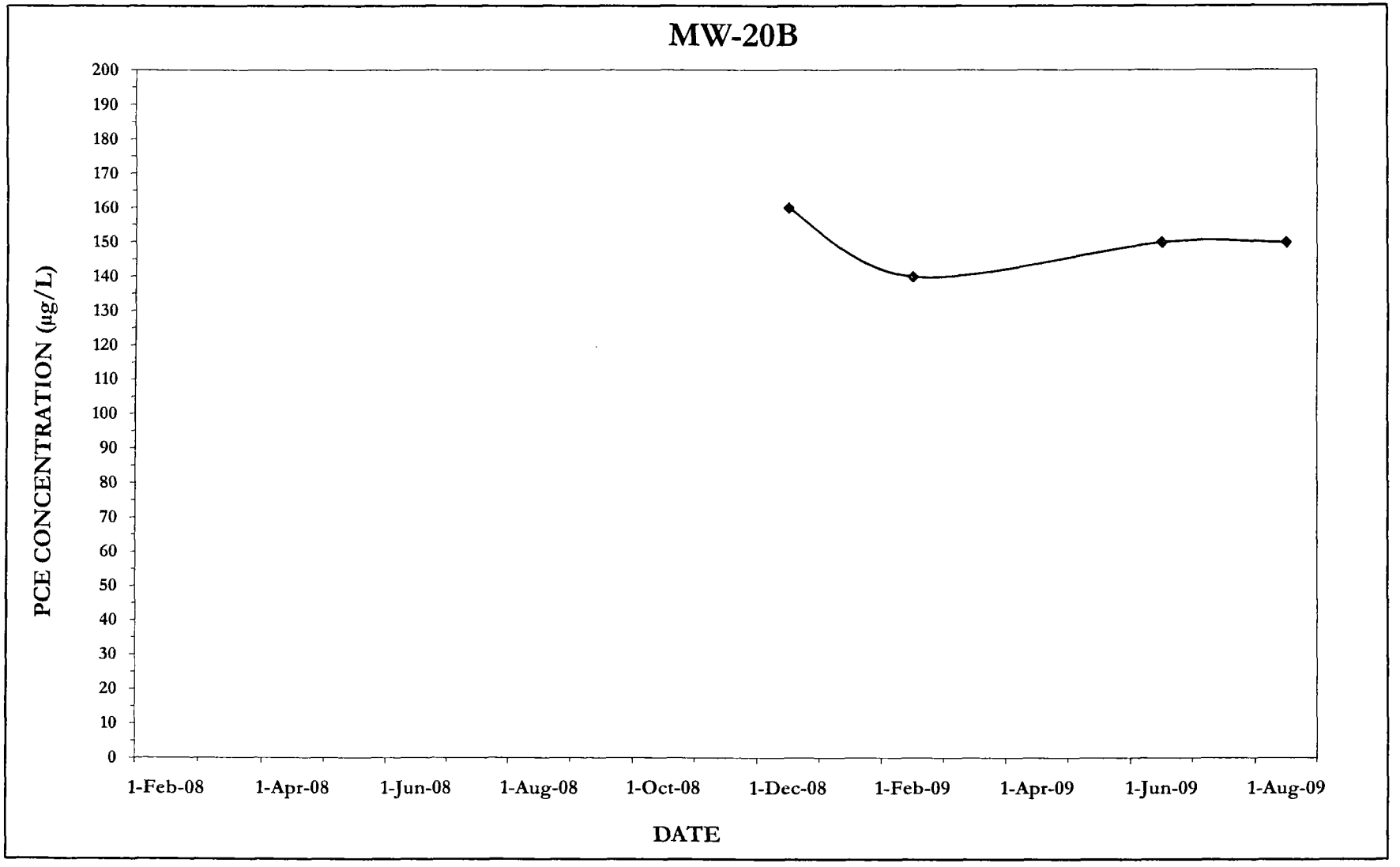
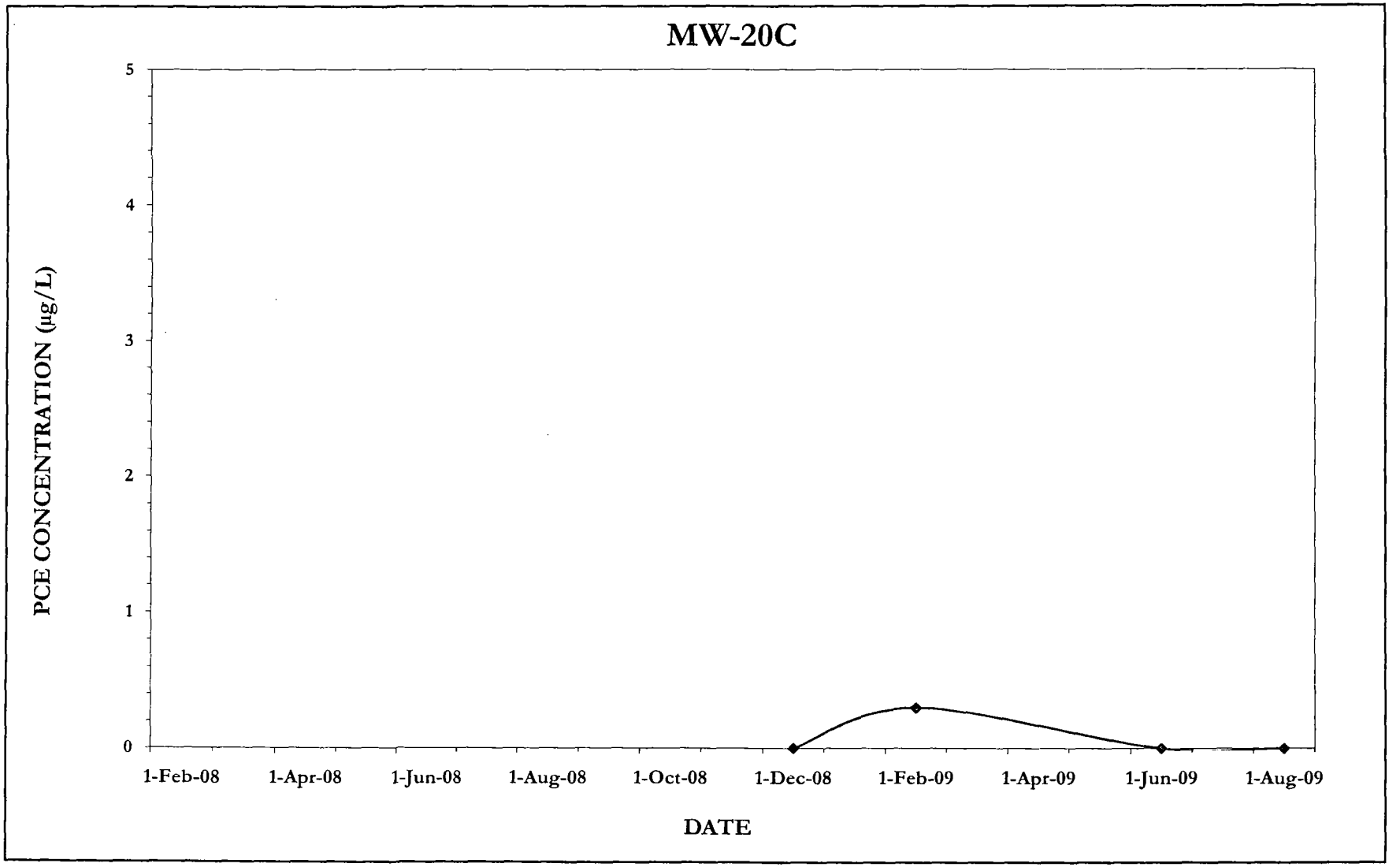
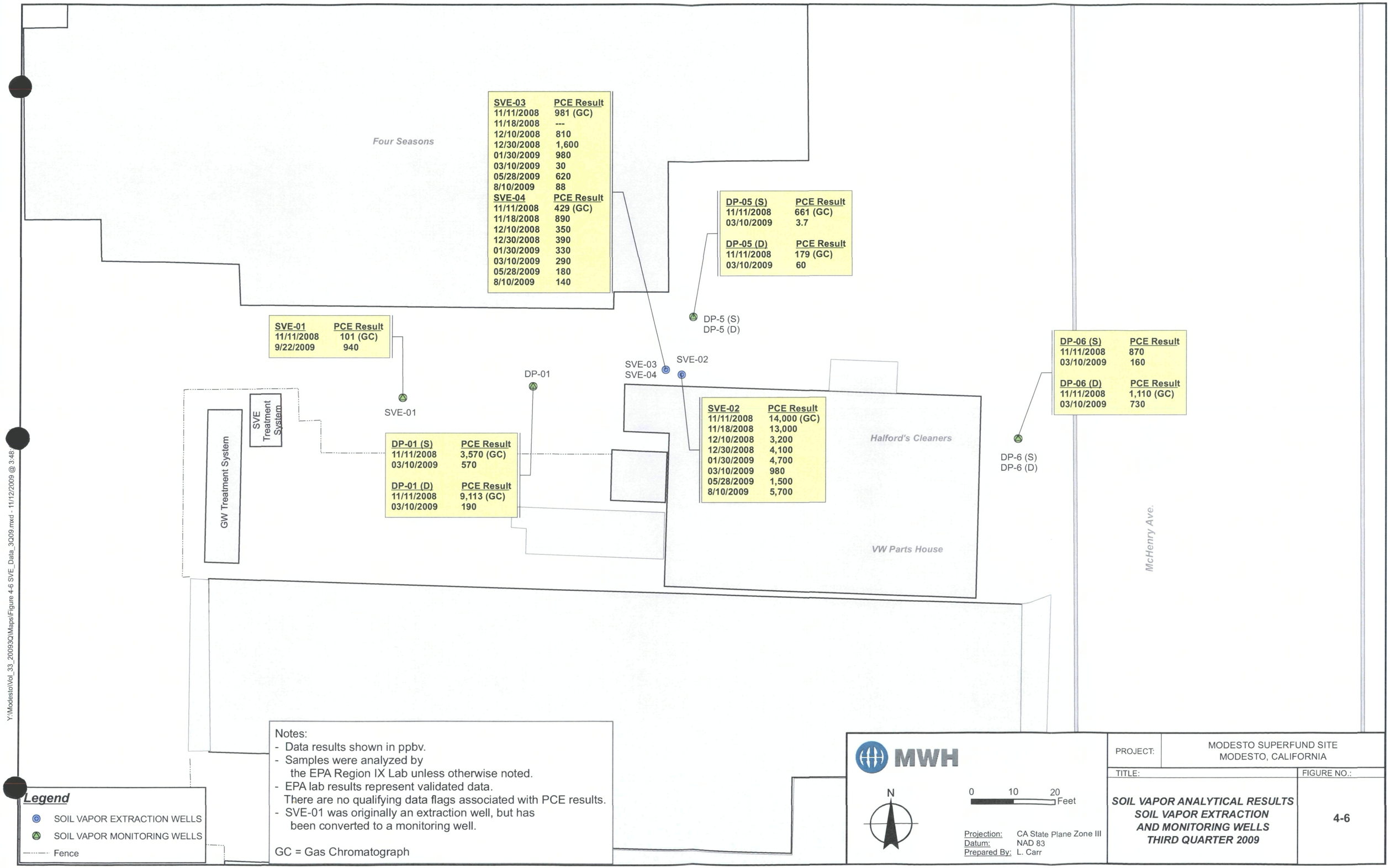
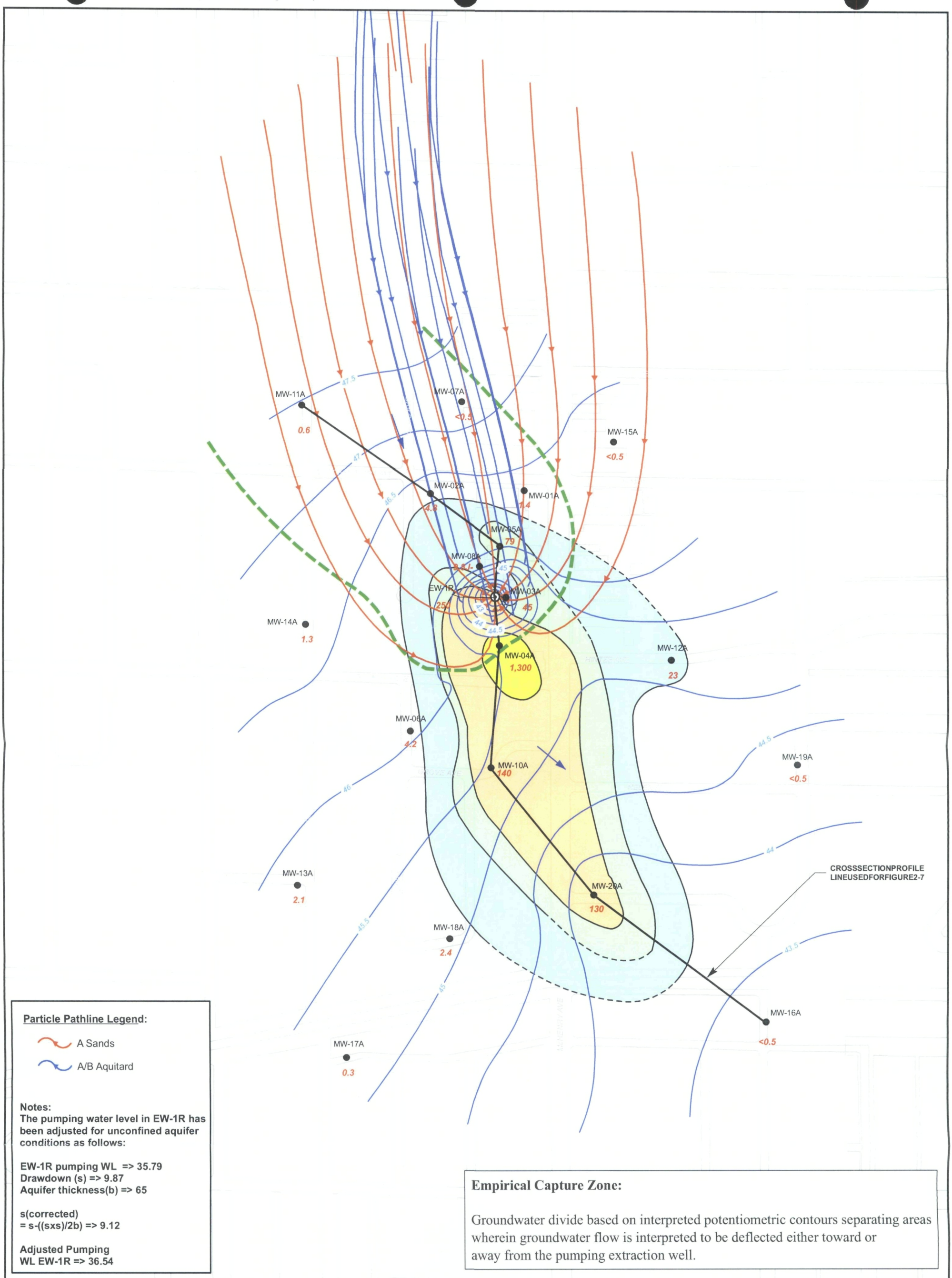


FIGURE 4-5(ae)

HISTORICAL PCE CONCENTRATIONS IN
GROUNDWATER MONITORING WELLS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA




Four Seasons
SVE-03 PCE Result
11/11/2008 981 (GC)
11/18/2008 ---
12/10/2008 810
12/30/2008 1,600
01/30/2009 980
03/10/2009 30
05/28/2009 620
8/10/2009 88
SVE-04 PCE Result
11/11/2008 429 (GC)
11/18/2008 890
12/10/2008 350
12/30/2008 390
01/30/2009 330
03/10/2009 290
05/28/2009 180
8/10/2009 140
DP-05 (S) PCE Result
11/11/2008 661 (GC)
03/10/2009 3.7
DP-05 (D) PCE Result
11/11/2008 179 (GC)
03/10/2009 60
DP-5 (S)
DP-5 (D)
SVE-01 PCE Result
11/11/2008 101 (GC)
9/22/2009 940
SVE-01
DP-01
SVE-03
SVE-04
SVE-02
DP-06 (S) PCE Result
11/11/2008 870
03/10/2009 160
DP-06 (D) PCE Result
11/11/2008 1,110 (GC)
03/10/2009 730
DP-6 (S)
DP-6 (D)
SVE Treatment System
GW Treatment System
DP-01 (S) PCE Result
11/11/2008 3,570 (GC)
03/10/2009 570
DP-01 (D) PCE Result
11/11/2008 9,113 (GC)
03/10/2009 190
SVE-02 PCE Result
11/11/2008 14,000 (GC)
11/18/2008 13,000
12/10/2008 3,200
12/30/2008 4,100
01/30/2009 4,700
03/10/2009 980
05/28/2009 1,500
8/10/2009 5,700
Halford's Cleaners
VW Parts House
McHenry Ave.
Y:\Modesto\Vol_33_20093Q\Maps\Figure 4-6 SVE_Data_3Q09.mxd - 11/12/2009 @ 3:48:
Legend
SOIL VAPOR EXTRACTION WELLS
SOIL VAPOR MONITORING WELLS
Fence
Notes:
- Data results shown in ppbv.
- Samples were analyzed by the EPA Region IX Lab unless otherwise noted.
- EPA lab results represent validated data. There are no qualifying data flags associated with PCE results.
- SVE-01 was originally an extraction well, but has been converted to a monitoring well.
GC = Gas Chromatograph
MWH
N
0 10 20 Feet
Projection: CA State Plane Zone III
Datum: NAD 83
Prepared By: L. Carr
PROJECT: MODESTO SUPERFUND SITE MODESTO, CALIFORNIA
TITLE: SOIL VAPOR ANALYTICAL RESULTS SOIL VAPOR EXTRACTION AND MONITORING WELLS THIRD QUARTER 2009
FIGURE NO.: 4-6



Particle Pathline Legend:

- A Sands
- A/B Aquitard

Notes:
The pumping water level in EW-1R has been adjusted for unconfined aquifer conditions as follows:

EW-1R pumping WL => 35.79
Drawdown (s) => 9.87
Aquifer thickness(b) => 65

s(corrected)
= s-((sxs)/2b) => 9.12

Adjusted Pumping
WL EW-1R => 36.54

Empirical Capture Zone:

Groundwater divide based on interpreted potentiometric contours separating areas wherein groundwater flow is interpreted to be deflected either toward or away from the pumping extraction well.

Legend:

PCE Contours - 2Q09
- 1000 ug/L
- 100 ug/L
- 50 ug/L
- 5 ug/L

CROSS SECTION PROFILE LINE
EMPIRICAL CAPTURE ZONE

INFERRED GROUNDWATER FLOW DIRECTION
45.6 GROUNDWATER ELEVATION CONTOUR (feet msl) - 3Q09
4.6 PCE CONCENTRATION (ug/L)
GROUNDWATER MONITORING WELL
GROUNDWATER EXTRACTION WELL

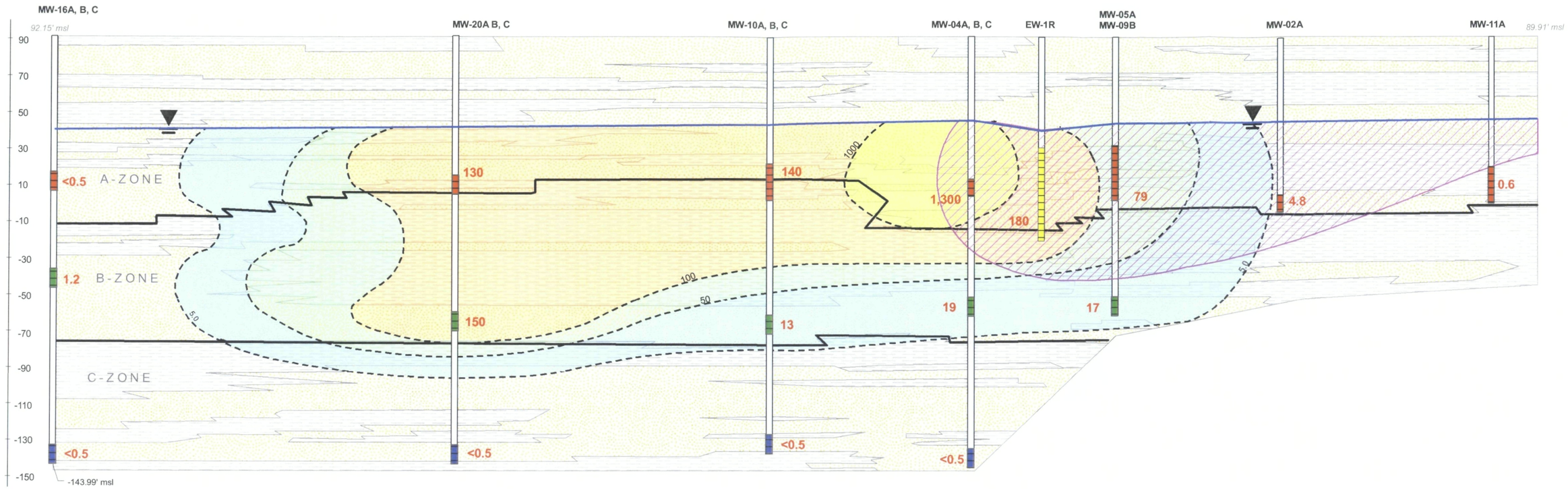
N

0 150 300 Feet
1 inch = 300 feet

Projection: CA State Plane Zone III
Datum: NAD 83
Prepared By: L. Carr

MWH

PROJECT:	MODESTO SUPERFUND SITE MODESTO, CALIFORNIA
TITLE:	FIGURE NO.:
EXTRACTION WELL EW-1R HORIZONTAL CAPTURE ZONE ANALYSIS THIRD QUARTER 2009	**4-7**



Legend

EW-1R Capture Zone

Water Table Surface

PCE Plume

- >=1000 ug/L
- 100-1000 ug/L
- 50-100 ug/L
- 5.0-50 ug/L

Sand and Silty Sand

Cemented Very Fine Grained Sand or Silt

GROUNDWATER MONITORING WELL — MW-02A

GROUNDWATER EXTRACTION WELL — EW-1R

PCE Concentration (ug/L) — 180

A Zone Screen

B Zone Screen

C Zone Screen

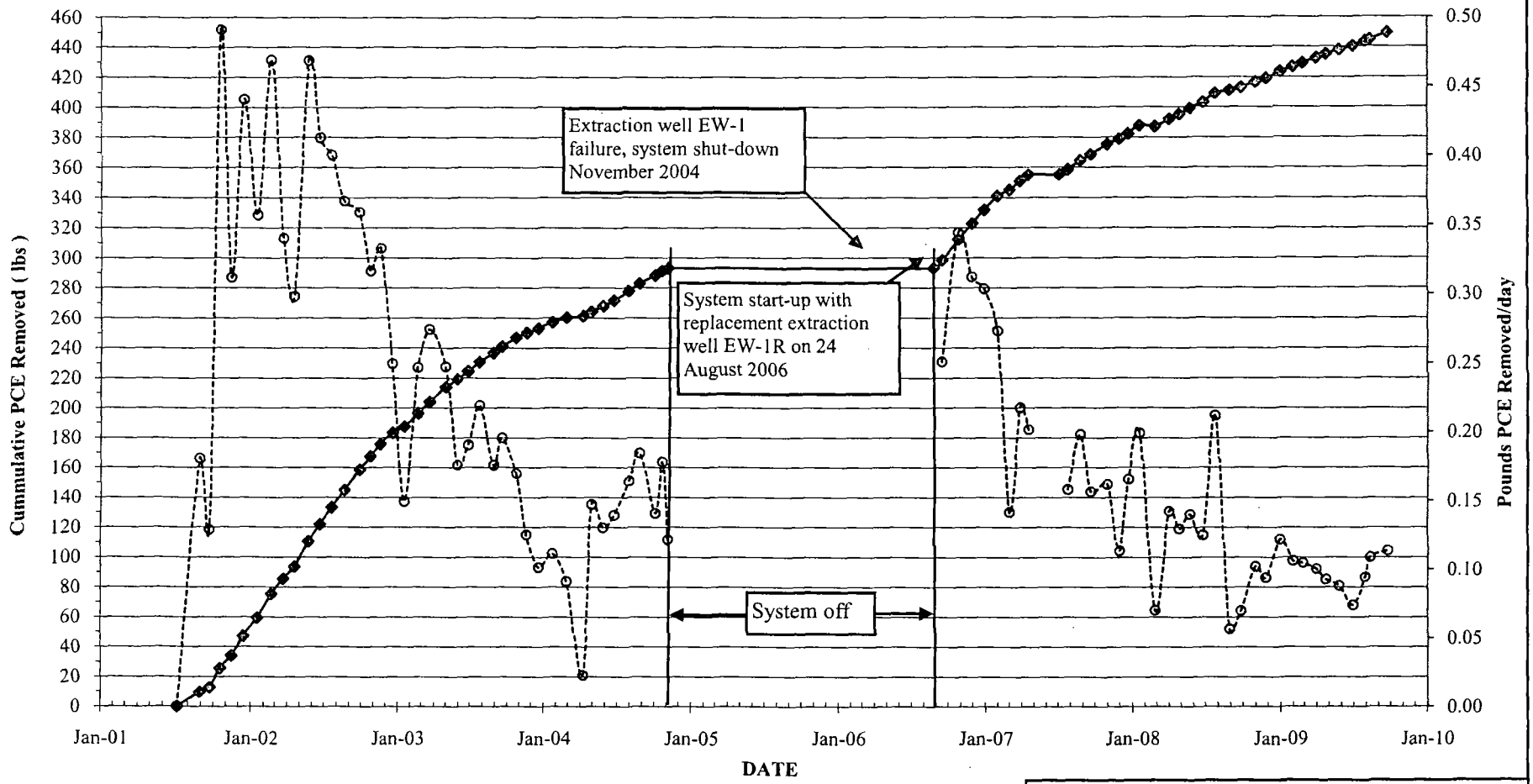
A Zone Screen

MWH

0 87.5 175 350 Feet

PROJECT:	MODESTO SUPERFUND SITE MODESTO, CALIFORNIA
TITLE:	FIGURE NO.:
EXTRACTION WELL EW-1R ESTIMATED VERTICAL CAPTURE ZONE THIRD QUARTER 2009	**4-8**

Y:\Modesto\Vol_33_20093Q\Maps\Figure 4-8 Vert_cap_zone.mxd - 11/12/2009 @ 3:43:20 PM

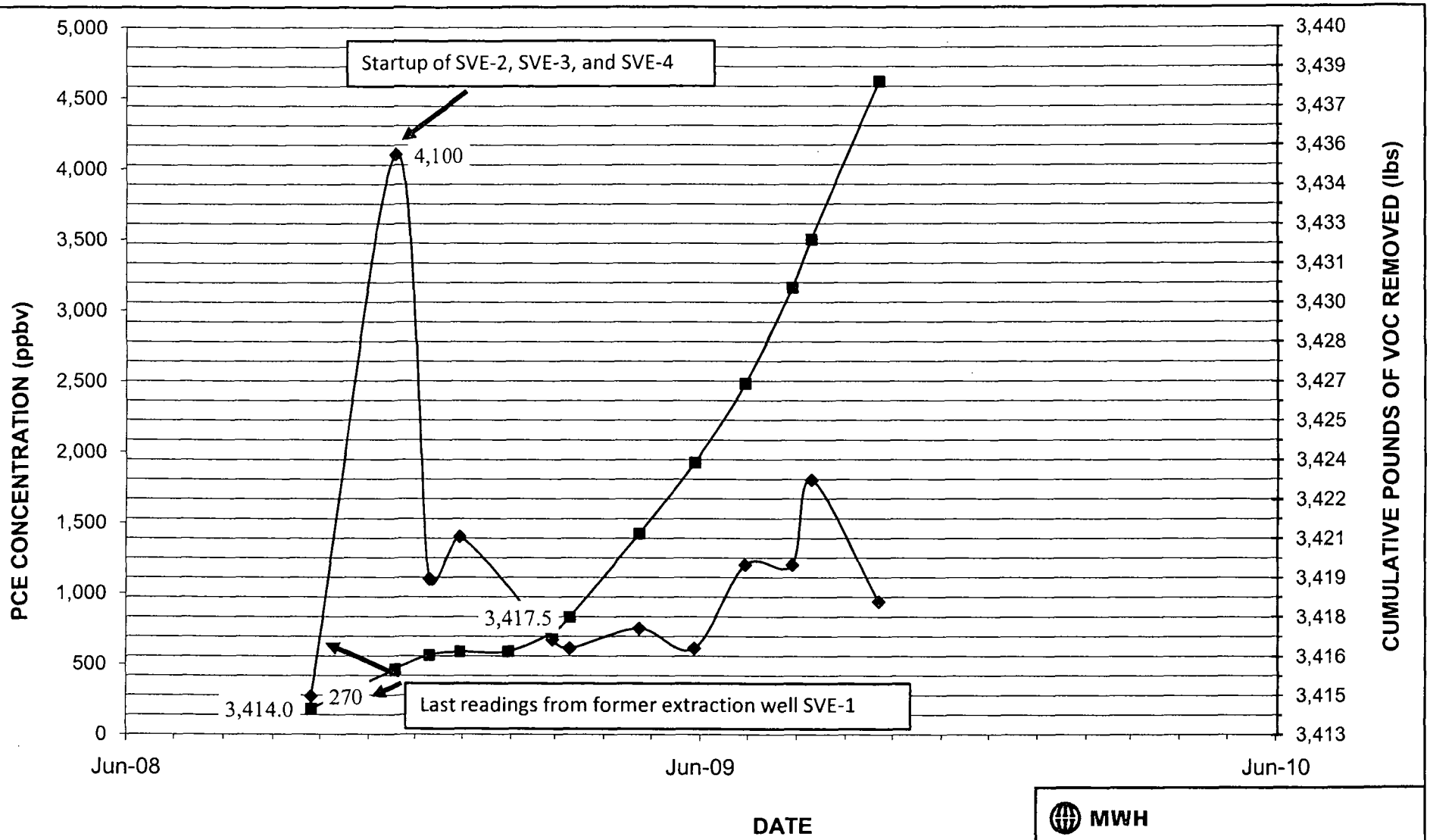


Notes:
The graph displays the cumulative pounds of PCE removed and the rate of PCE removal in pounds per day from groundwater extraction since startup of the Groundwater Treatment System in June 2001.

MWH

MODESTO SUPERFUND SITE

PCE MASS REMOVED
GROUNDWATER TREATMENT SYSTEM
FIGURE 4-9



MWH

MODESTO SUPERFUND SITE

CUMULATIVE MASS REMOVED
SOIL VAPOR EXTRACTION
FIGURE 4-10

Tables

Tables

MWH

TABLE 2-1

WELL CONSTRUCTION DETAILS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

(Page 1 of 2)

Well No.	Casing Diameter (inches)	Boring Depth (ft bgs)	Screen Interval (ft bgs)	Top of Casing Elevation[1] (ft msl)
Groundwater Monitoring Wells				
MW-1A	4	101	91-101	91.61
MW-2A	4	96	86-96	90.88[2]
MW-3A	4	94	84-94	91.49[2]
MW-4A	4	89	78-88	91.13
MW-4B	2	154	144-154	91.11
MW-4C	2	237	227-237	91.25
MW-5A	2	90	60-90	90.74
MW-6A	2	90	60-90	89.72[2]
MW-7A	2	90	60-90	91.24
MW-8A	2	90	60-90	91.44
MW-9A	2	155	144-154	91.20[2]
MW-10A	2	91	60-89	90.48
MW-10B	2	160	153-163	90.21
MW-10C	2	230	220-230	90.5
MW-11A	2	92	70-90	89.91
MW-12A	2	99	87-97	91.15[2]
MW-13A	2	99	77-97	89.27
MW-14A	2	92	70-90	89.79
MW-15A	2	102	80-100	91.76
MW-16A	2	86	76-86	91.89
MW-16B	2	139	129-139	91.82
MW-16C	2	236	226-236	91.64
MW-17A	2	88	77-87	89.64
MW-17B	2	140	129-139	89.69
MW-17C	2	232	222-232	89.76
MW-18	2	66	56-66	90.14
MW-19A	2	101	91-101	91.22
MW-19B	2	147	137-147	91.08
MW-20A	2	86	76-86	90.7
MW-20B		162	152-162	90.65
MW-20C		235	225-235	90.79
EW-1	5	115	65-95	89.542
EW-1R	6	120	59-109	90.65[2]

TABLE 2-1

WELL CONSTRUCTION DETAILS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Well No.	Casing Diameter (inches)	Boring Depth (ft bgs)	Screen Interval (ft bgs)	Top of Casing Elevation[1] (ft msl)
Soil Vapor Wells				
SVE-1	2	40	18-38	89.84
SVE-2	2	13	7-12	91.36
SVE-3	2	39	13-23	91.38
SVE-4	2	39	28-38	91.38
DP-1				91.44
DP-1A	1	40	28-29	--
DP-1B	1	40	38-39	--
DP-2				91.27
DP-2A	1	40	15-16	--
DP-2B	1	40	34-35	--
DP-3				91.86
DP-3A	1	40	19-20	--
DP-3B	1	40	29-30	--
DP-4				91.92
DP-4A	1	40	23-24	--
DP-4B	1	40	38.5-39.5	--
DP-5				91.27
DP-5A	2	37	15-16	--
DP-5B	2	37	34-35	--
DP-6				91.69
DP-6A	2	36	15-16	--
DP-6B	2	36	34-35	--

Notes:

[1] Wells Re-surveyed in February 2003.

[2] Wells Re-surveyed in September 2006.

bgs = Below ground surface

ft = feet

msl = mean sea level

TABLE 3-1

2010 SAMPLING SCHEDULE
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Location	Frequency	Sample Port LOCID	Phase	COC Description	FOURTH QUARTER 2009													FIRST QUARTER 2010							
					40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
					10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010
CITY OF MODESTO - COMPLIANCE MONITORING																									
GROUNDWATER TREATMENT SYSTEM																									
Extraction Well -1		SP-01	Water	EW-1-mmddyy																					
VOCs USEPA Method 524.2	Monthly					M					M				M					M				M	
Total Uranium ASTM D5174	Quarterly										Q													Q	
pH (field)	Required per Event					F					F				F					F				F	
GWT Effluent		SP-07	Water	EFF-mmddyy																					
VOCs USEPA Method 524.2	Monthly					M					M				M					M				M	
TDS USEPA Method 160.1	Monthly					M					M				M					M				M	
Total Uranium ASTM D5174	Quarterly										Q													Q	
96 hour Bioassay	Annually/Permit Renewal										A														
SVOCs USEPA Method 525	Discretionary																								
pH (field)	Required per Event					F					F				F					F				F	
PERFORMANCE MONITORING																									
GROUNDWATER TREATMENT SYSTEM																									
Pre Air Stripper		SP-02	Water	Pre Air-mmddyy																					
VOCs USEPA Method 524.2	Discretionary																								
pH (field)	Required per Event																								
Carbon Influent		SP-03	Water	CRB INF-mmddyy																					
VOCs USEPA Method 524.2	Quarterly										Q													Q	
pH (field)	Required per Event										F													F	
Carbon Mid Bed		SP-04	Water	CRB Mid-mmddyy																					
VOCs USEPA Method 524.2	Quarterly										Q													Q	
pH (field)	Required per Event										F													F	
Post Carbon, Pre Ion-exchange		SP-05	Water	Pre IEX-mmddyy																					
VOCs USEPA Method 524.2	Quarterly										Q													Q	
Total Uranium ASTM D5174	Quarterly										Q													Q	
pH (field)	Required per Event										F													F	
Ion-exchange Mid Bed		SP-06	Water	IEX Mid-mmddyy																					
Total Uranium ASTM D5174	Quarterly										Q													Q	
pH (field)	Required per Event										F													F	
GWT Vapor Pre GAC		SP-08	Vapor	GWT Pre GAC-mmddyy																					
VOCs EPA Method TO-14	Monthly					M					M				M					M				M	
GWT Stack		SP-09	Vapor	GWT Stack-mmddyy																					
VOCs EPA Method TO-14	Monthly					M					M				M					M				M	
SOIL VAPOR EXTRACTION																									
SVE Vapor Pre GAC		SP-11	Vapor	SVE Pre GAC-mmddyy																					
VOCs EPA Method TO-14	Monthly					M					M				M					M				M	
SVE Stack		SP-12	Vapor	SVE Stack-mmddyy																					
VOCs EPA Method TO-14	Monthly					M					M				M					M				M	
SVE-1		SVE-1	Vapor	SVE-1-mmddyy																					
VOCs EPA Method TO-14	Discretionary																								
SVE-2		SVE-2	Vapor	SVE-2-mmddyy																					
VOCs EPA Method TO-14	Quarterly/Semiannual*										S														
SVE-3		SVE-3	Vapor	SVE-3-mmddyy																					
VOCs EPA Method TO-14	Quarterly/Semiannual*										S														
SVE-4		SVE-4	Vapor	SVE-4-mmddyy																					
VOCs EPA Method TO-14	Quarterly/Semiannual*										S														
MEDIA SAMPLES																									
GWT Vapor Carbon Vessel 1		GAC-1	Media	GWT-GAC1-mmddyy																					
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																								
GWT Liquid Carbon Vessel 2		GAC-2	Media	GWT-GAC2-mmddyy																					
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																								
GWT Liquid Carbon Vessel 3		GAC-3	Media	GWT-GAC3-mmddyy																					
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																								
SVE Vapor Carbon Vessel 4		GAC-4	Media	SVE-GAC4-mmddyy																					
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																								
Ion-exchange Vessel 1		IEX-1	Media	GWT-IEX1-mmddyy																					
Total Uranium ASTM D5174	Discretionary																								
Ion-exchange Vessel 2		IEX-2	Media	GWT-IEX2-mmddyy																					
Total Uranium ASTM D5174	Discretionary																								
QC SAMPLES FOR EXTRACTION SYSTEM																									
Trip Blanks (TB)		FIELDQC	Water	TB-mmddyy																					
VOCs USEPA Method 524.2	Required per Event					M					M				M									M	
Equipment Blanks (EB)		FIELDQC	Water	EB-mmddyy																					
VOCs USEPA Method 524.2	Discretionary																								
Source Water Sample (SW)		FIELDQC	Water	SW-mmddyy																					
VOCs USEPA Method 524.2	Discretionary																								
Field Blanks (FB)		FIELDQC	Water	FB-mmddyy																					
VOCs USEPA Method 524.2	Quarterly										Q													Q	
TDS USEPA Method 160.1	Quarterly										Q													Q	
Total Uranium ASTM D5174	Quarterly										Q													Q	
GROUNDWATER MONITORING WELLS																									
MW-1A		MW-1A	Water	MW-1A-nQ																					
VOCs USEPA Method 524.2	Quarterly										Q													Q	
pH (field)	Required per Event										F													F	
MW-2A		MW-2A	Water	MW-2A-nQ																					
VOCs USEPA Method 524.2	Quarterly										Q													Q	

TABLE 3-1

2010 SAMPLING SCHEDULE
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Location	Frequency	Sample Port LOCID	Phase	COC Description	SECOND QUARTER 2010																							
					9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
					3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010
CITY OF MODESTO - COMPLIANCE MONITORING																										
GROUNDWATER TREATMENT SYSTEM																										
Extraction Well -1		SP-01	Water	EW-1-mmddyy																						
VOCs USEPA Method 524.2	Monthly						M					M				M				M					M	
Total Uranium ASTM D5174	Quarterly															Q										
pH (field)	Required per Event						F					F				F				F					F	
GWT Effluent		SP-07	Water	EFF-mmddyy																						
VOCs USEPA Method 524.2	Monthly						M					M				M				M					M	
TDS USEPA Method 160.1	Monthly						M					M				M				M					M	
Total Uranium ASTM D5174	Quarterly															Q										
96 hour Bioassay	Annually/Permit Renewal																									
SVOCs USEPA Method 525	Discretionary																									
pH (field)	Required per Event						F					F				F				F					F	
PERFORMANCE MONITORING																										
GROUNDWATER TREATMENT SYSTEM																										
Pre Air Stripper		SP-02	Water	Pre Air-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
pH (field)	Required per Event																									
Carbon Influent		SP-03	Water	CRB INF-mmddyy																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
Carbon Mid Bed		SP-04	Water	CRB Mid-mmddyy																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
Post Carbon, Pre Ion-exchange		SP-05	Water	Pre IEX-mmddyy																						
VOCs USEPA Method 524.2	Quarterly															Q										
Total Uranium ASTM D5174	Quarterly															Q										
pH (field)	Required per Event															F										
Ion-exchange Mid Bed		SP-06	Water	IEX Mid-mmddyy																						
Total Uranium ASTM D5174	Quarterly															Q										
pH (field)	Required per Event															F										
GWT Vapor Pre GAC		SP-08	Vapor	GWT Pre GAC-mmddyy																						
VOCs EPA Method TO-14	Monthly						M					M				M				M					M	
GWT Stack		SP-09	Vapor	GWT Stack-mmddyy																						
VOCs EPA Method TO-14	Monthly						M					M				M				M					M	
SOIL VAPOR EXTRACTION																										
SVE Vapor Pre GAC		SP-11	Vapor	SVE Pre GAC-mmddyy																						
VOCs EPA Method TO-14	Monthly						M					M				M				M					M	
SVE Stack		SP-12	Vapor	SVE Stack-mmddyy																						
VOCs EPA Method TO-14	Monthly						M					M				M				M					M	
SVE-1		SVE-1	Vapor	SVE-1-mmddyy																						
VOCs EPA Method TO-14	Discretionary																									
SVE-2		SVE-2	Vapor	SVE-2-mmddyy																						
VOCs EPA Method TO-14	Quarterly/Semiannual*															S										
SVE-3		SVE-3	Vapor	SVE-3-mmddyy																						
VOCs EPA Method TO-14	Quarterly/Semiannual*															S										
SVE-4		SVE-4	Vapor	SVE-4-mmddyy																						
VOCs EPA Method TO-14	Quarterly/Semiannual*															S										
MEDIA SAMPLES																										
GWT Vapor Carbon Vessel 1		GAC-1	Media	GWT-GAC1-mmddyy																						
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																									
GWT Liquid Carbon Vessel 2		GAC-2	Media	GWT-GAC2-mmddyy																						
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																									
GWT Liquid Carbon Vessel 3		GAC-3	Media	GWT-GAC3-mmddyy																						
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																									
SVE Vapor Carbon Vessel 4		GAC-4	Media	SVE-GAC4-mmddyy																						
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																									
Ion-exchange Vessel 1		IEX-1	Media	GWT-IEX1-mmddyy																						
Total Uranium ASTM D5174	Discretionary																									
Ion-exchange Vessel 2		IEX-2	Media	GWT-IEX2-mmddyy																						
Total Uranium ASTM D5174	Discretionary																									
QC SAMPLES FOR EXTRACTION SYSTEM																										
Trip Blanks (TB)		FIELDQC	Water	TB-mmddyy																						
VOCs USEPA Method 524.2	Required per Event						M					M				M				M					M	
Equipment Blanks (EB)		FIELDQC	Water	EB-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
Source Water Sample (SW)		FIELDQC	Water	SW-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
Field Blanks (FB)		FIELDQC	Water	FB-mmddyy																						
VOCs USEPA Method 524.2	Quarterly															Q										
TDS USEPA Method 160.1	Quarterly															Q										
Total Uranium ASTM D5174	Quarterly															Q										
GROUNDWATER MONITORING WELLS																										
MW-1A		MW-1A	Water	MW-1A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-2A		MW-2A	Water	MW-2A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										

TABLE 3-1

2010 SAMPLING SCHEDULE
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Location	Frequency	Sample Port LOCID	Phase	COC Description	THIRD QUARTER 2010												FOURTH QUARTER 2010								
					31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
					8/2/2010	8/9/2010	8/16/2010	8/23/2010	8/30/2010	9/6/2010	9/13/2010	9/20/2010	9/27/2010	10/4/2010	10/11/2010	10/18/2010	10/25/2010	11/1/2010	11/8/2010	11/15/2010	11/22/2010	11/29/2010	12/6/2010	12/13/2010	12/20/2010	12/27/2010
CITY OF MODESTO - COMPLIANCE MONITORING																										
GROUNDWATER TREATMENT SYSTEM																										
Extraction Well 1		SP-01	Water	EW-1-mmddyy																						
VOCs USEPA Method 524.2	Monthly						M				M					M				M				M		
Total Uranium ASTM D5174	Quarterly						Q													Q						
pH (field)	Required per Event						F				F					F				F				F		
GWT Effluent		SP-07	Water	EFF-mmddyy																						
VOCs USEPA Method 524.2	Monthly						M				M					M				M				M		
TDS USEPA Method 160.1	Monthly						M				M					M				M				M		
Total Uranium ASTM D5174	Quarterly						Q													Q						
96 hour Bioassay	Annually/Permit Renewal																			A						
SVOCs USEPA Method 525	Discretionary																									
pH (field)	Required per Event						F				F					F				F				F		
PERFORMANCE MONITORING																										
GROUNDWATER TREATMENT SYSTEM																										
Pre Air Stripper		SP-02	Water	Pre Air-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
pH (field)	Required per Event																									
Carbon Influent		SP-03	Water	CRB INF-mmddyy																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
Carbon Mid Bed		SP-04	Water	CRB Mid-mmddyy																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
Post Carbon, Pre Ion-exchange		SP-05	Water	Pre IEX-mmddyy																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
Total Uranium ASTM D5174	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
Ion-exchange Mid Bed		SP-06	Water	IEX Mid-mmddyy																						
Total Uranium ASTM D5174	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
GWT Vapor Pre GAC		SP-08	Vapor	GWT Pre GAC-mmddyy																						
VOCs EPA Method TO-14	Monthly						M				M					M				M				M		
GWT Stack		SP-09	Vapor	GWT Stack-mmddyy																						
VOCs EPA Method TO-14	Monthly						M				M					M				M				M		
SOIL VAPOR EXTRACTION																										
SVE Vapor Pre GAC		SP-11	Vapor	SVE Pre GAC-mmddyy																						
VOCs EPA Method TO-14	Monthly						M				M					M				M				M		
SVE Stack		SP-12	Vapor	SVE Stack-mmddyy																						
VOCs EPA Method TO-14	Monthly						M				M					M				M				M		
SVE-1		SVE-1	Vapor	SVE-1-mmddyy																						
VOCs EPA Method TO-14	Discretionary																									
SVE-2		SVE-2	Vapor	SVE-2-mmddyy																						
VOCs EPA Method TO-14	Quarterly/Semiannual*																			S						
SVE-3		SVE-3	Vapor	SVE-3-mmddyy																						
VOCs EPA Method TO-14	Quarterly/Semiannual*																			S						
SVE-4		SVE-4	Vapor	SVE-4-mmddyy																						
VOCs EPA Method TO-14	Quarterly/Semiannual*																			S						
MEDIA SAMPLES																										
GWT Vapor Carbon Vessel 1		GAC-1	Media	GWT-GAC1-mmddyy																						
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																									
GWT Liquid Carbon Vessel 2		GAC-2	Media	GWT-GAC2-mmddyy																						
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																									
GWT Liquid Carbon Vessel 3		GAC-3	Media	GWT-GAC3-mmddyy																						
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																									
SVE Vapor Carbon Vessel 4		GAC-4	Media	SVE-GAC4-mmddyy																						
TCLP VOCs USEPA Methods SW1311/524.2	Discretionary																									
Ion-exchange Vessel 1		IEX-1	Media	GWT-IEX1-mmddyy																						
Total Uranium ASTM D5174	Discretionary																									
Ion-exchange Vessel 2		IEX-2	Media	GWT-IEX2-mmddyy																						
Total Uranium ASTM D5174	Discretionary																									
QC SAMPLES FOR EXTRACTION SYSTEM																										
Trip Blanks (TB)		FIELDQC	Water	TB-mmddyy																						
VOCs USEPA Method 524.2	Required per Event						M				M					M				M				M		
Equipment Blanks (EB)		FIELDQC	Water	EB-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
Source Water Sample (SW)		FIELDQC	Water	SW-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
Field Blanks (FB)		FIELDQC	Water	FB-mmddyy																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
TDS USEPA Method 160.1	Quarterly						Q													Q						
Total Uranium ASTM D5174	Quarterly						Q													Q						
GROUNDWATER MONITORING WELLS																										
MW-1A		MW-1A	Water	MW-1A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-2A		MW-2A	Water	MW-2A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						

TABLE 3-1

2010 SAMPLING SCHEDULE
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Location	Frequency	Sample Port LOCID	Phase	COC Description	FOURTH QUARTER 2009												FIRST QUARTER 2010							
					40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
					10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010
pH (field)	Required per Event									F														F	
MW-3A		MW-3A	Water	MW-3A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-4A		MW-4A	Water	MW-4A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-4B		MW-4B	Water	MW-4B-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-4C		MW-4C	Water	MW-4C-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-5A		MW-5A	Water	MW-5A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-6A		MW-6A	Water	MW-6A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-7A		MW-7A	Water	MW-7A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-8A		MW-8A	Water	MW-8A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-9B		MW-9B	Water	MW-9B-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-10A		MW-10A	Water	MW-10A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-10B		MW-10B	Water	MW-10B-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-10C		MW-10C	Water	MW-10C-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-11A		MW-11A	Water	MW-11A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-12A		MW-12A	Water	MW-12A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-13A		MW-13A	Water	MW-13A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-14A		MW-14A	Water	MW-14A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-15A		MW-15A	Water	MW-15A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-16A		MW-16A	Water	MW-16A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-16B		MW-16B	Water	MW-16B-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-16C		MW-16C	Water	MW-16C-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-17A		MW-17A	Water	MW-17A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-17B		MW-17B	Water	MW-17B-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-17C		MW-17C	Water	MW-17C-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-18A		MW-18A	Water	MW-18A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-19A		MW-19A	Water	MW-19A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-19B		MW-19B	Water	MW-19B-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-19C		MW-19C	Water	MW-19C-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	

TABLE 3-1

2010 SAMPLING SCHEDULE
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Location	Frequency	Sample Port LOCID	Phase	COC Description	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
					SECOND QUARTER 2010																					
					3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010
pH (field)	Required per Event															F										
MW-3A		MW-3A	Water	MW-3A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-4A		MW-4A	Water	MW-4A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-4B		MW-4B	Water	MW-4B-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-4C		MW-4C	Water	MW-4C-nQ																						
VOCs USEPA Method 524 2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-5A		MW-5A	Water	MW-5A-nQ																						
VOCs USEPA Method 524 2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-6A		MW-6A	Water	MW-6A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-7A		MW-7A	Water	MW-7A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-8A		MW-8A	Water	MW-8A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-9B		MW-9B	Water	MW-9B-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-10A		MW-10A	Water	MW-10A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-10B		MW-10B	Water	MW-10B-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-10C		MW-10C	Water	MW-10C-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-11A		MW-11A	Water	MW-11A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-12A		MW-12A	Water	MW-12A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-13A		MW-13A	Water	MW-13A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-14A		MW-14A	Water	MW-14A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-15A		MW-15A	Water	MW-15A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-16A		MW-16A	Water	MW-16A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-16B		MW-16B	Water	MW-16B-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-16C		MW-16C	Water	MW-16C-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-17A		MW-17A	Water	MW-17A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-17B		MW-17B	Water	MW-17B-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-17C		MW-17C	Water	MW-17C-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-18A		MW-18A	Water	MW-18A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-19A		MW-19A	Water	MW-19A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-19B		MW-19B	Water	MW-19B-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-19C		MW-19C	Water	MW-19C-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										

TABLE 3-1

2010 SAMPLING SCHEDULE
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Location	Frequency	Sample Port LOCID	Phase	COC Description	THIRD QUARTER 2010									FOURTH QUARTER 2010									
					31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
					8/2/2010	8/9/2010	8/16/2010	8/23/2010	8/30/2010	9/6/2010	9/13/2010	9/20/2010	9/27/2010	10/4/2010	10/11/2010	10/18/2010	10/25/2010	11/1/2010	11/8/2010	11/15/2010	11/22/2010	11/29/2010	12/6/2010	12/13/2010	12/20/2010	12/27/2010
pH (field)	Required per Event						F													F						
MW-3A		MW-3A	Water	MW-3A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-4A		MW-4A	Water	MW-4A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-4B		MW-4B	Water	MW-4B-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-4C		MW-4C	Water	MW-4C-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-5A		MW-5A	Water	MW-5A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-6A		MW-6A	Water	MW-6A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-7A		MW-7A	Water	MW-7A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-8A		MW-8A	Water	MW-8A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-9B		MW-9B	Water	MW-9B-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-10A		MW-10A	Water	MW-10A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-10B		MW-10B	Water	MW-10B-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-10C		MW-10C	Water	MW-10C-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-11A		MW-11A	Water	MW-11A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-12A		MW-12A	Water	MW-12A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-13A		MW-13A	Water	MW-13A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-14A		MW-14A	Water	MW-14A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-15A		MW-15A	Water	MW-15A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-16A		MW-16A	Water	MW-16A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-16B		MW-16B	Water	MW-16B-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-16C		MW-16C	Water	MW-16C-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-17A		MW-17A	Water	MW-17A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-17B		MW-17B	Water	MW-17B-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-17C		MW-17C	Water	MW-17C-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-18A		MW-18A	Water	MW-18A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-19A		MW-19A	Water	MW-19A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-19B		MW-19B	Water	MW-19B-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-19C		MW-19C	Water	MW-19C-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						

TABLE 3-1

2010 SAMPLING SCHEDULE
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Location	Frequency	Sample Port LOCID	Phase	COC Description	FOURTH QUARTER 2009												FIRST QUARTER 2010							
					40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
					10/5/2009	10/12/2009	10/19/2009	10/26/2009	11/2/2009	11/9/2009	11/16/2009	11/23/2009	11/30/2009	12/7/2009	12/14/2009	12/21/2009	12/28/2009	1/4/2010	1/11/2010	1/18/2010	1/25/2010	2/1/2010	2/8/2010	2/15/2010	2/22/2010
pH (field)	Required per Event									F														F	
MW-20A		MW-20A	Water	MW-20A-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-20B		MW-20B	Water	MW-20B-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
MW-20C		MW-20B	Water	MW-20C-nQ																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
pH (field)	Required per Event									F														F	
QC SAMPLES FOR MONITORING WELLS																									
Trip Blanks (TB)		FIELDQC	Water	TB-mmddyy																					
VOCs USEPA Method 524.2	Required per Event									Q														Q	
Equipment Blanks (EB)		FIELDQC	Water	EB-mmddyy																					
VOCs USEPA Method 524.2	Discretionary																								
Field Blanks (FB)		FIELDQC	Water	FB-mmddyy																					
VOCs USEPA Method 524.2	Quarterly									Q														Q	
Source Water Sample (SW)		FIELDQC	Water	SW-mmddyy																					
VOCs USEPA Method 524.2	Discretionary																								
Temperature Blanks (TEMP-BLANK)	Required per Event	NA	Lab	NA						Q														Q	

Notes:

M - Monthly

n - Refers to quarter of sampling event (i.e. First Quarter, n = 1)

F - Field Measurement

Q - Quarterly

S - Semiannual

TABLE 3-1

2010 SAMPLING SCHEDULE
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Location	Frequency	Sample Port LOCID	Phase	COC Description	SECOND QUARTER 2010																							
					9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
					3/1/2010	3/8/2010	3/15/2010	3/22/2010	3/29/2010	4/5/2010	4/12/2010	4/19/2010	4/26/2010	5/3/2010	5/10/2010	5/17/2010	5/24/2010	5/31/2010	6/7/2010	6/14/2010	6/21/2010	6/28/2010	7/5/2010	7/12/2010	7/19/2010	7/26/2010
pH (field)	Required per Event															F										
MW-20A		MW-20A	Water	MW-20A-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-20B		MW-20B	Water	MW-20B-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
MW-20C		MW-20B	Water	MW-20C-nQ																						
VOCs USEPA Method 524.2	Quarterly															Q										
pH (field)	Required per Event															F										
QC SAMPLES FOR MONITORING WELLS																										
Trip Blanks (TB)		FIELDQC	Water	TB-mmddyy																						
VOCs USEPA Method 524.2	Required per Event															Q										
Equipment Blanks (EB)		FIELDQC	Water	EB-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
Field Blanks (FB)		FIELDQC	Water	FB-mmddyy																						
VOCs USEPA Method 524.2	Quarterly															Q										
Source Water Sample (SW)		FIELDQC	Water	SW-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
Temperature Blanks (TEMP-BLANK)	Required per Event	NA	Lab	NA												Q										

Notes:
M - Monthly
n - Refers to quarter of sampling event (i.e. First Quarter, n = 1)
F - Field Measurement
Q - Quarterly
S - Semiannual

TABLE 3-1

2010 SAMPLING SCHEDULE
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Location	Frequency	Sample Port LOCID	Phase	COC Description	THIRD QUARTER 2010												FOURTH QUARTER 2010								
					31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
					8/2/2010	8/9/2010	8/16/2010	8/23/2010	8/30/2010	9/6/2010	9/13/2010	9/20/2010	9/27/2010	10/4/2010	10/11/2010	10/18/2010	10/25/2010	11/1/2010	11/8/2010	11/15/2010	11/22/2010	11/29/2010	12/6/2010	12/13/2010	12/20/2010	12/27/2010
pH (field)	Required per Event						F													F						
MW-20A		MW-20A	Water	MW-20A-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-20B		MW-20B	Water	MW-20B-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
MW-20C		MW-20B	Water	MW-20C-nQ																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
pH (field)	Required per Event						F													F						
QC SAMPLES FOR MONITORING WELLS																										
Trip Blanks (TB)		FIELDQC	Water	TB-mmddyy																						
VOCs USEPA Method 524.2	Required per Event						Q													Q						
Equipment Blanks (EB)		FIELDQC	Water	EB-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
Field Blanks (FB)		FIELDQC	Water	FB-mmddyy																						
VOCs USEPA Method 524.2	Quarterly						Q													Q						
Source Water Sample (SW)		FIELDQC	Water	SW-mmddyy																						
VOCs USEPA Method 524.2	Discretionary																									
Temperature Blanks (TEMP-BLANK)	Required per Event	NA	Lab	NA			Q													Q						

Notes:
M - Monthly
n - Refers to quarter of sampling event (i.e First Quarter, n = 1)
F - Field Measurement
Q - Quarterly
S - Semiannual

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
MW-1A	101	91 - 101	89.14	Apr-00[a]	NA	50.62
			89.14	Aug-00[a]	NA	50.34
			89.14	Nov-00[a]	NA	48.92
			89.14	Feb-01[a]	NA	50.28
			89.14	Aug-01	42.71	46.43
			89.14	Oct-01	44.55	44.59
			89.14	Nov-01	44.41	44.73
			89.14	Feb-02	43.17	45.97
			89.14	May-02	42.44	46.70
			89.14	Aug-02	45.60	43.54
			89.14	Nov-02	46.00	43.14
			89.14	Feb-03	44.95	44.19
			91.611	May-03	44.15	47.46
			91.61	Aug-03	45.55	46.06
			91.61	Nov-03	46.15	45.46
			91.61	Feb-04	44.70	46.91
			91.61	May-04	43.95	47.66
			91.61	Aug-04	46.20	45.41
			91.61	Nov-04	45.70	45.91
			91.61	Feb-05	44.30	47.31
			91.61	May-05	42.60	49.01
			91.61	Aug-05	43.40	48.21
			91.61	Nov-05	44.40	47.21
			91.61	Feb-06	43.04	48.57
			91.61	May-06	41.65	49.96
			91.61	Aug-06	42.53	49.08
			91.61	Aug-06[b]	43.07	48.54
			91.61	Nov-06	43.66	47.95
			91.61	Feb-07	42.34	49.27
			91.61	May-07	40.94	50.67
			91.61	Aug-07	43.25	48.36
			91.61	Nov-07	43.85	47.76
			91.61	Feb-08	42.73	48.88
			91.61	May-08	42.10	49.51
			91.61	Aug-08	43.45	48.16
			91.61	Dec-08	44.28	47.33
			91.61	Feb-09	43.71	47.90
			91.61	Jun-09	43.88	47.73
			91.61	Aug-09	49.45	42.16
MW-2A	96	86 - 96	88.63	Apr-00[a]	NA	50.48
			88.63	Aug-00[a]	NA	50.19
			88.63	Nov-00[a]	NA	48.80
			88.63	Feb-01[a]	NA	50.32
			88.63	Aug-01	42.00	46.63
			88.63	Oct-01	44.30	44.33
			88.63	Nov-01	44.20	44.43
			88.63	Feb-02	42.77	45.86
			88.63	May-02	42.10	46.53
			88.63	Aug-02	45.50	43.13
			88.63	Nov-02	45.70	42.93
			88.63	Feb-03	44.60	44.03
			90.911	May-03	43.75	47.16
			90.91	Aug-03	45.10	45.81
			90.91	Nov-03	45.65	45.26
			90.91	Feb-04	44.13	46.78
			90.91	May-04	43.10	47.81
			90.91	Aug-04	45.81	45.10
			90.91	Nov-04	45.14	45.77
			90.91	Feb-05	43.43	47.48

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
			90.91	May-05	41.93	48.98
			90.91	Aug-05	42.90	48.01
			90.91	Nov-05	43.75	47.16
			90.91	Feb-06	42.25	48.66
			90.91	May-06	40.97	49.94
			90.882	Aug-06	41.52	49.36
			90.88	Aug-06[b]	44.20	46.68
			90.88	Nov-06	42.90	47.98
			90.88	Feb-07	41.61	49.27
			90.88	May-07	40.20	50.68
			90.88	Aug-07	42.52	48.36
			90.88	Nov-07	43.10	47.78
			90.88	Feb-08	42.01	48.87
			90.88	May-08	41.35	49.53
			90.88	Aug-08	42.65	48.23
			90.88	Dec-08	43.48	47.40
			90.88	Feb-09	42.94	47.94
			90.88	Jun-09	43.25	47.63
			90.88	Aug-09	44.63	46.25
MW-3A	94	84 - 94	89.42	Apr-00[a]	NA	50.75
			88.42	Aug-00[a]	NA	50.12
			89.42	Nov-00[a]	NA	48.62
			88.42	Feb-01[a]	NA	50.22
			89.42	Aug-01	43.00	46.42
			88.42	Oct-01	45.35	44.07
			89.42	Nov-01	44.09	45.33
			88.42	Feb-02	43.98	45.44
			89.42	May-02	43.14	46.28
			88.42	Aug-02	46.55	42.87
			89.42	Nov-02	46.70	42.72
			88.42	Feb-03	45.80	43.62
			91.591	May-03	44.10	47.49
			91.59	Aug-03	46.25	45.34
			91.59	Nov-03	47.95	43.64
			91.59	Feb-04	45.25	46.34
			91.59	May-04	44.35	47.24
			91.59	Aug-04	47.05	44.54
			91.59	Nov-04	46.52	45.07
			91.59	Feb-05	44.85	46.74
			91.59	May-05	43.20	48.39
			91.59	Aug-05	44.27	47.32
			91.59	Nov-05	46.25	45.34
			91.59	Feb-06	44.65	46.94
			91.59	May-06	43.25	48.34
			91.492	Aug-06	43.82	47.67
			91.49	Aug-06[b]	45.64	45.85
			91.49	Nov-06	46.61	44.88
			91.49	Feb-07	45.91	45.58
			91.49	May-07	41.19	50.30
			91.49	Aug-07	46.53	44.96
			91.49	Nov-07	47.2	44.29
			91.49	Feb-08	46.1	45.39
			91.49	May-08	45.25	46.24
			91.49	Aug-08	46.6	44.89
			91.49	Dec-08	46.36	45.13
			91.49	Feb-09	46.18	45.31
			91.49	Jun-09	46.28	45.21
			91.49	Aug-09	47.73	43.76

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
MW-4A	89	78 - 88	88.66	Apr-00[a]	NA	50.15
			88.66	Aug-00[a]	NA	50.01
			88.66	Nov-00[a]	NA	48.11
			88.66	Feb-01[a]	NA	49.74
			88.66	Aug-01	43.50	45.16
			88.66	Oct-01	44.11	44.55
			88.66	Nov-01	44.46	44.20
			88.66	Feb-02	43.21	45.45
			88.66	May-02	42.13	46.53
			88.66	Aug-02	44.80	43.86
			88.66	Nov-02	45.50	43.16
			88.66	Feb-03	44.35	44.31
			91.131	May-03	44.05	47.08
			91.13	Aug-03	45.10	46.03
			91.13	Nov-03	46.25	44.88
			91.13	Feb-04	44.85	46.28
			91.13	May-04	44.25	46.88
			91.13	Aug-04	45.90	45.23
			91.13	Nov-04	46.32	44.81
			91.13	Feb-05	44.68	46.45
			91.13	May-05	42.90	48.23
			91.13	Aug-05	43.75	47.38
			91.13	Nov-05	44.80	46.33
			91.13	Feb-06	43.36	47.77
			91.13	May-06	41.80	49.33
			91.13	Aug-06	42.34	48.79
			91.13	Aug-06[b]	43.17	47.96
			91.13	Nov-06	44.05	47.08
			91.13	Feb-07	43.03	48.10
			91.13	May-07	40.83	50.30
			91.13	Aug-07	43.53	47.60
			91.13	Nov-07	44.39	46.74
			91.13	Feb-08	43.30	47.83
			91.13	May-08	42.36	48.77
			91.13	Aug-08	43.64	47.49
			91.13	Dec-08	44.79	46.34
			91.13	Feb-09	44.21	46.92
			91.13	Jun-09	44.18	46.95
			91.13	Aug-09	45.62	45.51
MW-4B	154	144-154	91.11	Dec-08	44.73	46.38
			91.11	Feb-09	43.78	47.33
			91.11	Jun-09	44.80	46.31
			91.11	Aug-09	46.72	44.39
MW-4C	237	227-237	91.25	Dec-08	44.35	46.90
			91.25	Feb-09	42.76	48.49
			91.25	Jun-09	49.75	41.50
			91.25	Aug-09	53.94	37.31
MW-5A	90	60 - 90	90.61	Apr-00[a]	NA	50.39
			90.61	Aug-00[a]	NA	50.45
			90.61	Nov-00[a]	NA	48.41
			90.61	Feb-01[a]	NA	50.11
			90.61	Aug-01	42.44	48.17
			90.61	Oct-01	43.75	46.86
			90.61	Nov-01	43.86	46.75
			90.61	Feb-02	42.65	47.96
			90.61	May-02	41.62	48.99

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
			90.61	Aug-02	44.60	46.01
			90.61	Nov-02	45.60	45.01
			90.61	Feb-03	44.35	46.26
			90.741	May-03	43.30	47.44
			90.74	Aug-03	44.45	46.29
			90.74	Nov-03	45.55	45.19
			90.74	Feb-04	44.13	46.61
			90.74	May-04	43.10	47.64
			90.74	Aug-04	45.12	45.62
			90.74	Nov-04	45.25	45.49
			90.74	Feb-05	43.55	47.19
			90.74	May-05	41.93	48.81
			90.74	Aug-05	42.70	48.04
			90.74	Nov-05	43.75	46.99
			90.74	Feb-06	42.36	48.38
			90.74	May-06	40.90	49.84
			90.74	Aug-06	41.47	49.27
			90.74	Aug-06[b]	42.07	48.67
			90.74	Nov-06	43.15	47.59
			90.74	Feb-07	41.95	48.79
			90.74	May-07	40.21	50.53
			90.74	Aug-07	42.55	48.19
			90.74	Nov-07	43.35	47.39
			90.74	Feb-08	42.34	48.40
			90.74	May-08	41.50	49.24
			90.74	Aug-08	42.68	48.06
			90.74	Dec-08	43.81	46.93
			90.74	Feb-09	43.33	47.41
			90.74	Jun-09	43.19	47.55
			90.74	Aug-09	44.68	46.06
MW-6A	90	60 - 90	89.98	Apr-00[a]	NA	50.23
			89.98	Aug-00[a]	NA	50.21
			89.98	Nov-00[a]	NA	47.96
			89.98	Feb-01[a]	NA	49.78
			89.98	Aug-01	41.30	48.68
			89.98	Oct-01	42.90	47.08
			89.98	Nov-01	43.48	46.50
			89.98	Feb-02	41.98	48.00
			89.98	May-02	40.87	49.11
			89.98	Aug-02	44.20	45.78
			89.98	Nov-02	44.50	45.48
			89.98	Feb-03	43.65	46.33
			89.481	May-03	42.60	46.88
			89.48	Aug-03	44.10	45.38
			89.48	Nov-03	45.22	44.26
			89.48	Feb-04	43.45	46.03
			89.48	May-04	42.85	46.63
			89.48	Aug-04	44.62	44.86
			89.48	Nov-04	45.25	44.23
			89.48	Feb-05	43.60	45.88
			89.48	May-05	41.81	47.67
			89.48	Aug-05	42.65	46.83
			89.48	Nov-05	43.78	45.70
			89.48	Feb-06	42.35	47.13
			89.48	May-06	40.71	48.77
			89.722	Aug-06	40.86	48.86
			89.72	Aug-06[b]	41.16	48.56
			89.72	Nov-06	42.20	47.52

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
			89.72	Feb-07	40.94	48.78
			89.72	May-07	39.52	50.20
			89.72	Aug-07	41.61	48.11
			89.72	Nov-07	42.56	47.16
			89.72	Feb-08	41.42	48.30
			89.72	May-08	40.44	49.28
			89.72	Aug-08	41.75	47.97
			89.72	Dec-08	42.98	46.74
			89.72	Feb-09	42.32	47.40
			89.72	Jun-09	42.23	47.49
			89.72	Aug-09	43.61	46.11
MW-7A	90	60 - 90	91.23	Apr-00[a]	NA	50.86
			91.23	Aug-00[a]	NA	51.06
			91.23	Nov-00[a]	NA	49.24
			91.23	Feb-01[a]	NA	50.73
			91.23	Aug-01	41.33	49.90
			91.23	Oct-01	42.72	48.51
			91.23	Nov-01	43.07	48.16
			91.23	Feb-02	41.96	49.27
			91.23	May-02	40.67	50.56
			91.23	Aug-02	43.70	47.53
			91.23	Nov-02	44.60	46.63
			91.23	Feb-03	43.60	47.63
			91.241	May-03	42.65	48.59
			91.24	Aug-03	43.85	47.39
			91.24	Nov-03	45.05	46.19
			91.24	Feb-04	43.70	47.54
			91.24	May-04	42.80	48.44
			91.24	Aug-04	44.30	46.94
			91.24	Nov-04	44.98	46.26
			91.24	Feb-05	43.38	47.86
			91.24	May-05	41.82	49.42
			91.24	Aug-05	42.35	48.89
			91.24	Nov-05	43.40	47.84
			91.24	Feb-06	42.17	49.07
			91.24	May-06	40.82	50.42
			91.24	Aug-06	41.31	49.93
			91.24	Aug-06[b]	41.50	49.74
			91.24	Nov-06	42.53	48.71
			91.24	Feb-07	41.46	49.78
			91.24	May-07	40.21	51.03
			91.24	Aug-07	41.77	49.47
			91.24	Nov-07	42.63	48.61
			91.24	Feb-08	41.82	49.42
			91.24	May-08	40.96	50.28
			91.24	Aug-08	41.98	49.26
			91.24	Dec-08	43.15	48.09
			91.24	Feb-09	NA	NA
			91.24	Jun-09	42.65	48.59
			91.24	Aug-09	43.92	47.32
MW-8A	90	60 - 90	91.53	Apr-00	NA	50.52
			91.53	Aug-00	NA	50.42
			91.53	Nov-00	NA	48.54
			91.53	Feb-01	NA	50.25
			91.53	Aug-01	42.41	49.12
			91.53	Oct-01	45.60	45.93

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
			91.53	Nov-01	45.68	45.85
			91.53	Feb-02	44.36	47.17
			91.53	May-02	43.31	48.22
			91.53	Aug-02	46.20	45.33
			91.53	Nov-02	47.50	44.03
			91.53	Feb-03	45.65	45.88
			91.441	May-03	44.40	47.04
			91.44	Aug-03	45.40	46.04
			91.44	Nov-03	46.57	44.87
			91.44	Feb-04	45.22	46.22
			91.44	May-04	43.85	47.59
			91.44	Aug-04	46.15	45.29
			91.44	Nov-04	45.97	45.47
			91.44	Feb-05	44.35	47.09
			91.44	May-05	42.75	48.69
			91.44	Aug-05	43.39	48.05
			91.44	Nov-05	44.47	46.97
			91.44	Feb-06	43.14	48.30
			91.44	May-06	41.61	49.83
			91.44	Aug-06	42.21	49.23
			91.44	Aug-06	42.94	48.50
			91.44	Nov-06	44.03	47.41
			91.44	Feb-07	42.88	48.56
			91.44	May-07	40.96	50.48
			91.44	Aug-07	43.43	48.01
			91.44	Nov-07	44.28	47.16
			91.44	Feb-08	43.32	48.12
			91.44	May-08	42.41	49.03
			91.44	Aug-08	43.53	47.91
			91.44	Dec-08	44.73	46.71
			91.44	Feb-09	44.28	47.16
			91.44	Jun-09	44.08	47.36
			91.44	Aug-09	45.55	45.89
MW-9B	155	144 - 154	91.19	Apr-00[a]	NA	50.24
			91.19	Aug-00[a]	NA	48.38
			91.19	Nov-00[a]	NA	47.72
			91.19	Feb-01[a]	NA	50.05
			91.19	Aug-01	44.04	47.15
			91.19	Oct-01	45.17	46.02
			91.19	Nov-01	44.76	46.43
			91.19	Feb-02	42.64	48.55
			91.19	May-02	42.72	48.47
			91.19	Aug-02	47.05	44.14
			91.19	Nov-02	45.90	45.29
			91.19	Feb-03	44.45	46.74
			91.181	May-03	44.20	46.98
			91.18	Aug-03	47.00	44.18
			91.18	Nov-03	46.55	44.63
			91.18	Feb-04	44.37	46.81
			91.18	May-04	44.55	46.63
			91.18	Aug-04	47.25	43.93
			91.18	Nov-04	46.42	44.76
			91.18	Feb-05	44.45	46.73
			91.18	May-05	43.15	48.03
			91.18	Aug-05	45.25	45.93
			91.18	Nov-05	45.40	45.78
			91.18	Feb-06	43.31	47.87
			91.18	May-06	42.30	48.88

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
			91.202	Aug-06	43.51	47.69
			91.2	Aug-06[b]	43.98	47.22
			91.20	Nov-06	43.80	47.40
			91.20	Feb-07	42.14	49.06
			91.20	May-07	40.52	50.68
			91.20	Aug-07	44.37	46.83
			91.20	Nov-07	44.05	47.15
			91.20	Feb-08	42.45	48.75
			91.20	May-08	42.54	48.66
			91.20	Aug-08	44.50	46.70
			91.20	Dec-08	44.47	46.73
			91.20	Feb-09	43.62	47.58
			91.20	Jun-09	44.52	46.68
			91.20	Aug-09	46.54	44.66
MW-10A	91	60 - 89	90.47	Apr-00[a]	NA	49.66
			90.47	Aug-00[a]	NA	50.67
			90.47	Nov-00[a]	NA	46.94
			90.47	Feb-01[a]	NA	49.03
			90.47	Aug-01	42.54	47.93
			90.47	Oct-01	44.19	46.28
			90.47	Nov-01	44.51	45.96
			90.47	Feb-02	42.93	47.54
			90.47	May-02	41.86	48.61
			90.47	Aug-02	45.20	45.27
			90.47	Nov-02	46.00	44.47
			90.47	Feb-03	44.70	45.77
			90.481	May-03	43.55	46.93
			90.48	Aug-03	45.20	45.28
			90.48	Nov-03	46.35	44.13
			90.48	Feb-04	44.70	45.78
			90.48	May-04	43.85	46.63
			90.48	Aug-04	45.81	44.67
			90.48	Nov-04	46.48	44.00
			90.48	Feb-05	44.74	45.74
			90.48	May-05	42.87	47.61
			90.48	Aug-05	43.90	46.58
			90.48	Nov-05	45.07	45.41
			90.48	Feb-06	43.45	47.03
			90.48	May-06	41.70	48.78
			90.48	Aug-06	42.33	48.15
			90.48	Aug-06[b]	42.59	47.89
			90.48	Nov-06	43.51	46.97
			90.48	Feb-07	42.21	48.27
			90.48	May-07	40.81	49.67
			90.48	Aug-07	43.03	47.45
			90.48	Nov-07	43.96	46.52
			90.48	Feb-08	42.70	47.78
			90.48	May-08	41.77	48.71
			90.48	Aug-08	43.24	47.24
			90.48	Dec-08	44.40	46.08
			90.48	Feb-09	43.69	46.79
			90.48	Jun-09	43.55	46.93
			90.48	Aug-09	45.02	45.46
MW-10B	163	153-163	90.21	Dec-08	44.12	46.09
			90.21	Feb-09	43.18	47.03
			90.21	Jun-09	43.90	46.31
			90.21	Aug-09	45.81	44.40

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
MW-10C	230	220-230	90.5	Dec-08	44.13	46.37
			90.5	Feb-09	42.50	48.00
			90.5	Jun-09	48.50	42.00
			90.5	Aug-09	53.44	37.06
MW-11A	92	70 - 90	89.91	Apr-00[a]	NA	50.83
			89.91	Aug-00[a]	NA	50.64
			89.91	Nov-00[a]	NA	49.38
			89.91	Feb-01[a]	NA	50.93
			89.91	Aug-01	40.32	49.59
			89.91	Oct-01	41.50	48.41
			89.91	Nov-01	43.12	46.79
			89.91	Feb-02	40.15	49.76
			89.91	May-02	39.56	50.35
			89.91	Aug-02	42.60	47.31
			89.91	Nov-02	43.90	46.01
			89.91	Feb-03	41.90	48.01
			89.911	May-03	41.15	48.76
			89.91	Aug-03	42.65	47.26
			89.91	Nov-03	43.52	46.39
			89.91	Feb-04	42.00	47.91
			89.91	May-04	41.35	48.56
			89.91	Aug-04	42.86	47.05
			89.91	Nov-04	43.35	46.56
			89.91	Feb-05	41.75	48.16
			89.91	May-05	40.22	49.69
			89.91	Aug-05	40.85	49.06
			89.91	Nov-05	41.80	48.11
			89.91	Feb-06	40.53	49.38
			89.91	May-06	39.27	50.64
			89.91	Aug-06	39.86	50.05
			89.91	Aug-06[b]	40.05	49.86
			89.91	Nov-06	40.90	49.01
			89.91	Feb-07	39.79	50.12
			89.91	May-07	38.74	51.17
			89.91	Aug-07	40.34	49.57
			89.91	Nov-07	41.07	48.84
			89.91	Feb-08	40.11	49.80
			89.91	May-08	39.38	50.53
			89.91	Aug-08	40.47	49.44
			89.91	Dec-08	41.47	48.44
			89.91	Feb-09	41.01	48.90
			89.91	Jun-09	41.12	48.79
			89.91	Aug-09	42.44	47.47
MW-12A	99	87 - 97	91.17	Apr-00[a]	NA	50.01
			91.17	Aug-00[a]	NA	49.45
			91.17	Nov-00[a]	NA	47.28
			91.17	Feb-01[a]	NA	49.51
			91.17	Aug-01	43.18	47.99
			91.17	Oct-01	44.63	46.54
			91.17	Nov-01	44.86	46.31
			91.17	Feb-02	43.21	47.96
			91.17	May-02	42.04	49.13
			91.17	Aug-02	46.10	45.07
			91.17	Nov-02	46.30	44.87
			91.17	Feb-03	45.05	46.12
			91.151	May-03	44.50	46.65

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
			91.15	Aug-03	46.20	44.95
			91.15	Nov-03	46.88	44.27
			91.15	Feb-04	44.95	46.20
			91.15	May-04	44.50	46.65
			91.15	Aug-04	46.75	44.40
			91.15	Nov-04	47.02	44.13
			91.15	Feb-05	45.10	46.05
			91.15	May-05	43.52	47.63
			91.15	Aug-05	44.95	46.20
			91.15	Nov-05	45.80	45.35
			91.15	Feb-06	44.01	47.14
			91.15	May-06	42.41	48.74
			91.152	Aug-06	43.22	47.93
			91.15	Aug-06[b]	43.51	47.64
			91.15	Nov-06	44.05	47.10
			91.15	Feb-07	42.61	48.54
			91.15	May-07	41.44	49.71
			91.15	Aug-07	43.91	47.24
			91.15	Nov-07	44.43	46.72
			91.15	Feb-08	43.02	48.13
			91.15	May-08	42.45	48.70
			91.15	Aug-08	44.15	47.00
			91.15	Dec-08	44.90	46.25
			91.15	Feb-09	44.14	47.01
			91.15	Jun-09	44.27	46.88
			91.15	Aug-09	46.04	45.11
MW-13A	99	77 - 97	89.33	Apr-00[a]	NA	49.21
			89.33	Aug-00[a]	NA	49.30
			89.33	Nov-00[a]	NA	46.88
			89.33	Feb-01[a]	NA	48.67
			89.33	Aug-01	41.68	47.65
			89.33	Oct-01	43.23	46.10
			89.33	Nov-01	43.64	45.69
			89.33	Feb-02	41.99	47.34
			89.33	May-02	40.82	48.51
			89.33	Aug-02	44.10	45.23
			89.33	Nov-02	44.70	44.63
			89.33	Feb-03	43.60	45.73
			89.271	May-03	42.35	46.92
			89.27	Aug-03	43.80	45.47
			89.27	Nov-03	45.25	44.02
			89.27	Feb-04	43.72	45.55
			89.27	May-04	42.65	46.62
			89.27	Aug-04	42.65	46.62
			89.27	Nov-04	45.30	43.97
			89.27	Feb-05	43.63	45.64
			89.27	May-05	41.75	47.52
			89.27	Aug-05	42.45	46.82
			89.27	Nov-05	43.70	45.57
			89.27	Feb-06	42.31	46.96
			89.27	May-06	40.52	48.75
			89.27	Aug-06	40.92	48.35
			89.27	Aug-06[b]	41.08	48.19
			89.27	Nov-06	42.15	47.12
			89.27	Feb-07	40.99	48.28
			89.27	May-07	39.68	49.59
			89.27	Aug-07	41.80	47.47
			89.27	Nov-07	42.64	46.63

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
			89.27	Feb-08	41.48	47.79
			89.27	May-08	40.38	48.89
			89.27	Aug-08	41.66	47.61
			89.27	Dec-08	43.01	46.26
			89.27	Feb-09	42.40	46.87
			89.27	Jun-09	42.25	47.02
			89.27	Aug-09	43.40	45.87
MW-14A	92	70 - 90	89.81	Apr-00[a]	NA	50.19
			89.81	Aug-00[a]	NA	49.93
			89.81	Nov-00[a]	NA	48.39
			89.81	Feb-01[a]	NA	49.95
			89.81	Aug-01	41.21	48.60
			89.81	Oct-01	42.57	47.24
			89.81	Nov-01	42.89	46.92
			89.81	Feb-02	41.35	48.46
			89.81	May-02	40.60	49.21
			89.81	Aug-02	43.80	46.01
			89.81	Nov-02	44.00	45.81
			89.81	Feb-03	43.10	46.71
			89.791	May-03	42.15	47.64
			89.79	Aug-03	43.30	46.49
			89.79	Nov-03	44.60	45.19
			89.79	Feb-04	43.03	46.76
			89.79	May-04	42.33	47.46
			89.79	Aug-04	43.85	45.94
			89.79	Nov-04	44.40	45.39
			89.79	Feb-05	42.87	46.92
			89.79	May-05	41.20	48.59
			89.79	Aug-05	41.85	47.94
			89.79	Nov-05	42.90	46.89
			89.79	Feb-06	41.60	48.19
			89.79	May-06	40.15	49.64
			89.79	Aug-06	40.49	49.30
			89.79	Aug-06[b]	40.72	49.07
			89.79	Nov-06	41.72	48.07
			89.79	Feb-07	40.60	49.19
			89.79	May-07	39.31	50.48
			89.79	Aug-07	41.18	48.61
			89.79	Nov-07	42.03	47.76
			89.79	Feb-08	41.05	48.74
			89.79	May-08	40.15	49.64
			89.79	Aug-08	41.35	48.44
			89.79	Dec-08	42.45	47.34
			89.79	Feb-09	41.92	47.87
			89.79	Jun-09	41.95	47.84
			89.79	Aug-09	43.18	46.61
MW-15A	102	80 - 100	91.75	Apr-00[a]	NA	50.80
			91.75	Aug-00[a]	NA	50.40
			91.75	Nov-00[a]	NA	48.76
			91.75	Feb-01[a]	NA	50.55
			91.75	Aug-01	42.48	49.27
			91.75	Oct-01	43.88	47.87
			91.75	Nov-01	44.05	47.70
			91.75	Feb-02	42.73	49.02
			91.75	May-02	41.92	49.83
			91.75	Aug-02	45.10	46.65
			91.75	Nov-02	45.60	46.15

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
			91.75	Feb-03	44.45	47.30
			91.761	May-03	44.05	47.71
			91.76	Aug-03	45.25	46.51
			91.76	Nov-03	46.05	45.71
			91.76	Feb-04	44.46	47.30
			91.76	May-04	43.85	47.91
			91.76	Aug-04	45.82	45.94
			91.76	Nov-04	46.05	45.71
			91.76	Feb-05	44.30	47.46
			91.76	May-05	42.85	48.91
			91.76	Aug-05	43.95	47.81
			91.76	Nov-05	44.80	46.96
			91.76	Feb-06	43.26	48.50
			91.76	May-06	41.92	49.84
			91.76	Aug-06	42.66	49.10
			91.76	Aug-06[b]	42.90	48.86
			91.76	Nov-06	43.55	48.21
			91.76	Feb-07	42.30	49.46
			91.76	May-07	41.09	50.67
			91.76	Aug-07	43.20	48.56
			91.76	Nov-07	43.80	47.96
			91.76	Feb-08	42.65	49.11
			91.76	May-08	42.05	49.71
			91.76	Aug-08	43.40	48.36
			91.76	Dec-08	44.25	47.51
			91.76	Feb-09	43.68	48.08
			91.76	Jun-09	43.86	47.90
			91.76	Aug-09	45.47	46.29
MW-16A	86	76-86	91.89	Dec-08	47.01	44.88
			91.89	Feb-09	45.81	46.08
			91.89	Jun-09	46.43	45.46
			91.89	Aug-09	48.65	43.24
MW-16B	139	129-139	91.82	Dec-08	46.98	44.84
			91.82	Feb-09	45.75	46.07
			91.82	Jun-09	46.40	45.42
			91.82	Aug-09	48.67	43.15
MW-16C	236	226-236	91.64	Dec-08	46.70	44.94
			91.64	Feb-09	45.01	46.63
			91.64	Jun-09	50.05	41.59
			91.64	Aug-09	54.46	37.18
MW-17A	88	77-87	89.64	Dec-08	44.20	45.44
			89.64	Feb-09	43.45	46.19
			89.64	Jun-09	43.25	46.39
			89.64	Aug-09	44.43	45.21
MW-17B	140	129-139	89.69	Dec-08	44.39	45.30
			89.69	Feb-09	43.41	46.28
			89.69	Jun-09	43.60	46.09
			89.69	Aug-09	45.29	44.40
MW-17C	232	222-232	89.76	Dec-08	44.33	45.43
			89.76	Feb-09	42.55	47.21
			89.76	Jun-09	48.68	41.08
			89.76	Aug-09	52.98	36.78

TABLE 4-1

MONITORING WELL WATER TABLE ELEVATION
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Monitoring Well Number	Well Depth (ft bgs)	Screened Interval (ft bgs)	Top of Casing Elevation (ft bgs)	Date	Depth to Water (feet from TOC)	Water Table Elevation (feet above MSL)
MW-18A	66	56-66	90.14	Dec-08	44.47	45.67
			90.14	Feb-09	43.70	46.44
			90.14	Jun-09	43.57	46.57
			90.14	Aug-09	45.03	45.11
MW-19A	101	91-101	91.22	Dec-08	45.51	45.71
			91.22	Feb-09	44.55	46.67
			91.22	Jun-09	45.45	45.77
			91.22	Aug-09	47.14	44.08
MW-19B	147	137-147	91.08	Dec-08	45.89	45.19
			91.08	Feb-09	44.76	46.32
			91.08	Jun-09	46.07	45.01
			91.08	Aug-09	48.26	42.82
MW-20A	86	76-86	90.70	Dec-08	45.27	45.43
			90.70	Feb-09	44.31	46.39
			90.70	Jun-09	44.56	46.14
			90.70	Aug-09	47.12	43.58
MW-20B	162	152-162	90.65	Dec-08	45.45	45.20
			90.65	Feb-09	44.36	46.29
			90.65	Jun-09	45.08	45.57
			90.65	Aug-09	48.22	42.43
MW-20C	235	225-235	90.79	Dec-08	45.01	45.78
			90.79	Feb-09	43.53	47.26
			90.79	Jun-09	48.60	42.19
			90.79	Aug-09	53.44	37.35
EW-1			89.54	Nov-06	43.40	46.14
			89.54	Feb-07	42.21	47.33
			89.54	May-07	40.28	49.26
			89.54	Aug-07	42.90	46.64
			89.54	Feb-08	42.48	47.06
			89.54	May-08	41.75	47.79
			89.54	Aug-08	42.99	47.66
			89.54	Feb-09	43.55	45.99
			89.54	Jun-09	43.34	46.20
			89.54	Aug-09	44.99	44.55
EW-1R[3]	114	59-109	90.65	Aug-06	41.80	48.85
			90.65	Aug-06[b]	48.70	41.95
			90.65	Nov-06	49.40	41.25
			90.65	Feb-07	48.24	42.41
			90.65	May-07	40.33	50.32
			90.65	Aug-07	48.60	42.05
			90.65	Nov-07	49.50	41.15
			90.65	Feb-08	49.98	40.67
			90.65	May-08	49.50	41.15
			90.65	Aug-08	51.51	39.14
			90.65	Dec-08	52.16	38.49
			90.65	Feb-09	53.88	36.77
			90.65	Jun-09	52.04	38.61
			90.65	Aug-09	54.86	35.79

Notes:

[1]Wells re-surveyed in May 2003.

[2]Wells re-surveyed in September 2006

[3]EW-1R is the replacement extraction well. It was installed in August 2006 and started on August 24, 2006.

[a]Historical data from Ecology and Environment

[b]Second round of Aug. 2006 water levels recorded after the start of EW-1R

ft bgs - feet below ground surface

MSL - Mean Sea Level

MW- Monitoring Well

NA - Not Applicable

TOC - Top of Casing

TABLE 4-2

GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2 - Dichloroethene (µg/L)	Chloroform (µg/L)	Comments:
MW-1A	8/21/2001	7.6	5.0	< 5.0	< 5.0	< 5.0	
	11/15/2001	7.6	9.0	< 5.0	< 5.0	< 5.0	
	2/18/2002	7.2	9.0	< 5.0	< 5.0	< 5.0	
	5/23/2002	7.1	8.0	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.6	11.0	< 5.0	< 5.0	< 5.0	
	11/19/2002	8.2	25.0	< 5.0	< 5.0	< 5.0	Napthalene (1 BJ)
	2/18/2003	8.2	16.0	< 5.0	< 5.0	< 5.0	
	5/28/2003	7.3	10.0	< 5.0	< 5.0	< 5.0	
	8/26/2003	7.5	11.0	< 5.0	< 5.0	< 5.0	
	11/19/2003	7.4	8.0	<5.0	<5.0	<5.0	
	2/5/2004	7.5	9.4	< 5.0	< 5.0	< 5.0	
	5/18/2004	7.4	8.3	<5.0	<5.0	<5.0	
	8/24/2004	7.0	14.0	< 5.0	< 5.0	< 5.0	
	11/16/2004	7.1	13.0	<5.0	<5.0	<5.0	
	3/1/2005	7.4	12.0	< 5.0	< 5.0	< 5.0	
	5/24/2005	7.4	8.3	< 5.0	< 5.0	< 5.0	
	8/23/2005	7.6	6.7	< 5.0	< 5.0	< 5.0	
	11/15/2005	7.5	5.2	< 5.0	< 5.0	< 5.0	
	2/21/2006	7.5	7.0	< 5.0	< 5.0	< 5.0	
	5/23/2006	7.4	4.1 J	< 5.0	< 5.0	< 5.0	
	8/22/2006	7.3	3.8	< 5.0	< 5.0	< 5.0	
	11/15/2006	7.3	3.8 J+	<0.5	< 0.5[a]	0.4	
	2/13/2007	7.2	3.3	<0.5	< 0.5[a]	0.4 J	
	5/22/2007	7.7	3.1	<0.5	< 0.5[a]	0.4	
	8/21/2007	7.4	3.4	<0.5	< 0.5[a]	0.4 J	
	11/27/2007	7.2	2.5	<0.5	< 0.5[a]	0.4 J	
	2/27/2008	7.3	2.2	<0.5	< 0.5[a]	0.3 J	
	5/20/2008	7.3	2.1	<0.5	< 0.5[a]	0.3 UJ	
	8/19/2008	7.4	3.0	<0.5	< 0.5[a]	0.3 J	
	12/10/2008	6.3	2 J+	<0.5	< 0.5[a]	<0.5	
	2/17/2009	7.2	2.3	<0.5	< 0.5[a]	<0.5	
	6/3/2009	7.39	2.3	< 0.5	< 0.5[a]	0.5	
	8/11/2009	7.15	1.4	< 0.5	< 0.5[a]	< 0.5	
MW-2A	8/21/2001	7.7	12.0	< 5.0	< 5.0	< 5.0	
	11/12/2010	7.5	10.0	< 5.0	< 5.0	< 5.0	
	2/18/2002	7.2	13.0	< 5.0	< 5.0	< 5.0	
	5/23/2002	7.0	14.0	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.8	2.0 J	< 5.0	< 5.0	< 5.0	
	11/19/2002	7.8	12.0	< 5.0	< 5.0	< 5.0	
	2/18/2003	7.8	12.0	< 5.0	< 5.0	< 5.0	
	5/28/2003	7.6	10.0	< 5.0	< 5.0	< 5.0	
	8/26/2003	8.0	11.0	< 5.0	< 5.0	1.0J	
	11/19/2003	7.4	10.0	<5.0	<5.0	2.0J	
	2/5/2004	7.5	9.2	< 5.0	< 5.0	< 5.0	
	5/18/2004	7.4	8.2	<5.0	<5.0	<5.0	
	8/24/2004	7.1	9.1	< 5.0	< 5.0	< 5.0	
	11/16/2004	7.1	6.9	<5.0	<5.0	2.7 J	
	3/1/2005	7.5	8.4	< 5.0	< 5.0	2.8 J	
	5/24/2005	7.5	8.6	< 5.0	< 5.0	< 5.0	
	8/23/2005	7.6	11.0	< 5.0	< 5.0	< 5.0	
	11/15/2005	7.5	9.8	< 5.0	< 5.0	< 5.0	
	2/21/2006	7.6	13.0	< 5.0	< 5.0	< 5.0	
	5/23/2006	7.4	10.0	< 5.0	< 5.0	< 5.0	
	8/22/2006	7.4	10.0	< 5.0	< 5.0	1.3	
	11/15/2006	7.5	8.1	<0.5	< 0.5[a]	2.6	
	2/13/2007	7.4	8.7	<0.5	< 0.5[a]	3.0	
	5/22/2007	7.7	8.3	<0.5	< 0.5[a]	2.7	
	8/21/2007	7.6	9.0	<0.5	< 0.5[a]	3.2	
	11/27/2007	7.3	9.2	<0.5	< 0.5[a]	2.6	
	2/27/2008	7.4	6.1	<0.5	< 0.5[a]	3.0	
	5/20/2008	7.5	6.9	<0.5	< 0.5[a]	2.2	
	8/19/2008	7.5	7.4	<0.5	< 0.5[a]	3.0	
	12/10/2008	7.8	5.8	<0.5	< 0.5[a]	2.7	
	2/18/2009	7.5	5.3	<0.5	< 0.5[a]	3.0	
	6/3/2009	7.4	5.7	< 0.5	< 0.5[a]	3.1	
	8/12/2009	7.3	4.8	< 0.5	< 0.5[a]	2.5	

TABLE 4-2

GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2 - Dichloroethene (µg/L)	Chloroform (µg/L)	Comments:
MW-3A	8/22/2001	7.5	3,100 D	9.0	2.0 J	< 5.0	
	11/15/2001	7.4	3,500 D	7.0	2.0 J	< 5.0	
	2/19/2002	7.5	4,300 D	8.0	< 5.0	< 5.0	cis - 1,2 - Dichloroethane (3J)
	5/23/2002	7.3	1,500 D	< 5.0	< 5.0	< 5.0	
	8/19/2002	8.0	1,700 D	< 5.0	< 5.0	2.0 J	
	11/19/2002	7.7	980 D	< 5.0	< 5.0	1.0 J	
	2/18/2003	7.7	580 D	< 50.0	< 50.0	< 50.0	Methylene Chloride (7 J)
	5/29/2003	7.5	690 D	2.0 J	< 5.0	1.0 J	
	8/26/2003	7.8	900D	<5.0	<5.0	2.0 J	
	11/20/2003	7.4	600D	2.0 J	<5.0	2.0J	
	2/6/2004	7.4	870 D	2.9 J	<5.0	<5.0	
	5/19/2004	7.4	520 D	< 5.0	< 5.0	< 5.0	
	8/25/2004	7.2	1,000 D	3.2 J	<5.0	<5.0	
	11/16/2004	7.3	780 D	3.2 J	< 5.0	< 5.0	
	3/1/2005	7.6	1,100 D	4.6 J	<5.0	<5.0	
	5/24/2005	7.5	810 J	4.4 J	< 5.0	< 5.0	
	8/23/2005	8.6	910 J	4.9 J	<5.0	<5.0	
	11/15/2005	7.6	880	5.0	< 5.0	< 5.0	
	2/21/2006	7.5	1,300 J	5.6	<5.0	<5.0	
	5/23/2006	7.6	1,100 E	5.3	<5.0	<5.0	
	8/22/2006	7.5	1,200	5.0	0.7	0.9	
	11/15/2006	7.6	690 J+	1.8	< 0.5[a]	0.8 J	
	2/13/2007	7.3	610	1.4	< 0.5[a]	0.8	
	5/22/2007	7.6	230	0.7	< 0.5[a]	0.6	
	8/21/2007	7.6	270	0.7	< 0.5[a]	1	
	11/27/2007	7.2	280	0.5	< 0.5[a]	0.7	
	2/27/2008	7.4	230	0.5	< 0.5[a]	0.6	
	5/20/2008	7.6	180	0.4 J	< 0.5[a]	0.8 U	
	8/19/2008	7.6	130	0.5	< 0.5[a]	1.6	
	12/10/2008	7.7	87	< 0.5 U	< 0.5[a] U	1.7	
	2/19/2009	7.6	57	<0.5	< 0.5[a]	1.3	
	6/10/2009	7.3	75	< 0.5	< 0.5[a]	1.3	
	8/14/2009	7.7	45	< 0.5	< 0.5[a]	1.1	
MW-4A	8/22/2001	7.4	1,200 D	< 5.0	< 5.0	< 5.0	
	11/13/2001	7.4	8	< 5.0	< 5.0	< 5.0	
	12/13/01[a]	7.2	900 D	3.0 DJ	< 10.0	< 10.0	
	2/19/2002	7.3	1,200 D	37 DJ	< 5.0	< 5.0	
	5/23/2002	7.3	700 D	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.6	1,000 D	< 5.0	< 5.0	< 5.0	
	11/19/2002	7.5	880 D	2.0 J	< 5.0	2.0 J	cis-1,2-Dichloroethene (1 J) Napthalene (1 BJ) 1,2,3-Trichlorobenzene (1 J)
	2/18/2003	7.5	710	< 50.0	< 50.0	< 50.0	Methylene Chloride (9 J)
	5/29/2003	7.5	880 D	1.0 J	< 5.0	3.0 J	
	8/26/2003	8.4	1,300 D	1.0 J	<5.0	3.0 J	
	11/20/2003	7.4	770 D	0.7J	<5.0	4.0J	
	2/6/2004	7.4	560 D	<5.0	<5.0	3.5 J	
	5/19/2004	7.3	580 D	< 5.0	< 5.0	3.3 J	
	8/25/2004	7.1	690 D	<5.0	<5.0	4.1 J	
	11/17/2004	7.1	800 D	< 5.0	< 5.0	4.7 J	
	3/2/2005	7.4	830 D	<5.0	<5.0	4.5 J	
	5/25/2005	7.4	1,100 J	< 5.0	< 5.0	3.6 J	
	8/24/2005	7.6	1,900 J	<5.0	<5.0	3.3 J	
	11/16/2005	7.4	1,200 J	< 5.0 UJ	< 5.0 UJ	2.9 UJ	
	2/22/2006	7.4	2,100	3.0	<5.0	3.0 J	
	5/24/2006	7.4	2,000 E	<5.0	<5.0	2.5 J	
	8/23/2006	7.3	1,500	0.9	<5.0	1.2	1,1,1,2-Tetrachloroethane (0.5)
	11/16/2006	7.4	1,600	1.3	< 0.5[a]	1.6 U	
	2/14/2007	7.2	2,400	1.6	< 0.5[a]	2.9	
	5/23/2007	7.7	1,700	1.0	0.7	1.7	1,1,1,2-Tetrachloroethane (0.6)
	8/22/2007	7.3	2,400	1.7	1.0[a]	2.4	1,1,1,2-Tetrachloroethane (0.8)
	11/28/2007	7.1	2,300	1.5	0.9	2.1	
	2/27/2008	7.3	1,700	<2.5	<2.5[a]	1.9	

TABLE 4-2

GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2-Dichloroethene (µg/L)	Chloroform (µg/L)	Comments:
	5/21/2008	7.4	2,200	1.7	< 0.5[a]	2	cis-1,2-Dichloroethene (1.4 J) 1,1,1,2-Tetrachloroethane (1) Dichloro-difluoromethane (0.6 J+)
	8/20/2008	7.4	1,100	1.9	<2.5[a]	2.1	
	12/9/2008	7.8	2,200	1.6	< 0.5[a]	1.8 U	
	2/18/2009	7.4	1,100	1.5	< 0.5[a]	1.5	cis-1,2-Dichloroethene (1.4 J) 1,1,1,2-Tetrachloroethane (0.7)
	6/3/2009	7.3	3,000	1.8	< 0.5[a]	1.9	cis-1,2-Dichloroethene (1.8) 1,1,1,2-Tetrachloroethane (1.0)
	8/12/2009	7.2	1,300	1.5	< 0.5[a]	1.6	cis-1,2-Dichloroethene (1.4) 1,1,1,2-Tetrachloroethane (0.8)
MW-4B	12/9/2008	7.6	9.6 J-	<0.5	< 0.5[a]	<0.5	
	2/20/2009	7.7	4.4	<0.5	< 0.5[a]	0.3	
	6/10/2009	7.6	7.2 J-	< 0.5	< 0.5[a]	0.4 J	
	8/13/2009	7.5	19	< 0.5	0.5[a]	< 0.5	
MW-4C	12/9/2008	8.0	8.7	<0.5	< 0.5[a]	0.9	
	2/20/2009	8.0	1.4	<0.5	< 0.5[a]	0.4	
	6/10/2009	8.0	0.5	< 0.5	< 0.5[a]	0.3 J	
	8/13/2009	7.8	< 0.5	< 0.5	< 0.5[a]	< 0.5	
MW-5A	8/22/2001	7.3	960 D	< 5.0	< 5.0	< 5.0	
	11/15/2001	7.4	930	< 5.0	< 5.0	< 5.0	
	2/19/2002	7.2	740 D	5 DJ	< 5.0	< 5.0	
	5/23/2002	7.1	580 D	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.4	580 D	< 5.0	< 5.0	< 5.0	Naphthalene (4 BJ)
	11/19/2002	7.2	390 D	< 5.0	< 5.0	< 5.0	Napthalene (1 BJ)
	2/18/2003	7.2	220	< 25.0	< 25.0	< 25.0	Methylene Chloride (6 J)
	5/29/2003	7.3	170 D	< 5.0	< 5.0	< 5.0	
	8/26/2003	7.6	320D	<5.0	<5.0	<5.0	
	11/20/2003	7.4	250	< 5.0	< 5.0	< 5.0	
	2/6/2004	7.4	300 D	<5.0	<5.0	<5.0	
	5/19/2004	7.4	380 D	< 5.0	< 5.0	< 5.0	
	8/25/2004	7.1	170 D	<5.0	<5.0	<5.0	
	11/17/2004	7.1	780 D	< 5.0	< 5.0	< 5.0	
	3/2/2005	7.6	330 D	<5.0	<5.0	<5.0	
	5/25/2005	7.6	330 J	< 5.0	< 5.0	< 5.0	
	8/24/2005	7.5	310 J	<5.0	<5.0	<5.0	
	11/16/2005	7.4	220 J	< 5.0	< 5.0	2.1 UJ	
	2/22/2006	7.6	560	<5.0	<5.0	<5.0	
	5/24/2006	7.3	300 E	< 5.0	< 5.0	< 5.0	
	8/23/2006	7.2	440	<5.0	<5.0	1.5	
	11/16/2006	7.2	270	0.2	< 0.5[a]	1.6 U	
	2/14/2007	7.2	430	0.2	< 0.5[a]	0.6	
	5/23/2007	7.6	280	<0.5	< 0.5[a]	0.4 J	
	8/21/2007	7.3	310	<5.0	< 0.5[a]	0.5	
	11/28/2007	6.9	190	<0.5	< 0.5[a]	0.8	
	2/27/2008	7.4	400	<2.5	<2.5	<2.5	
	5/20/2008	7.2	210	<0.5	< 0.5[a]	0.5 U	
	8/20/2008	7.3	190	<0.5	< 0.5[a]	0.6	
	12/2/2008	6.9	97	< 0.5 U	< 0.5[a] U	2.5 U	
	2/18/2009	7.4	260	<0.5	< 0.5[a]	0.3	
	6/2/2009	7.2	120	< 0.5	< 0.5[a]	1	
	8/12/2009	7.2	79	< 0.5	< 0.5[a]	0.6	
MW-6A	8/22/2001	7.7	280 D	5.0 DJ	< 5.0	< 5.0	
	11/13/2001	7.2	300 D	< 5.0	< 5.0	< 5.0	
	2/19/2002	7.3	450 D	< 5.0	< 5.0	< 5.0	
	5/23/2002	6.9	180 D	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.4	140	< 5.0	< 5.0	< 5.0	
	11/19/2002	7.3	290 D	1.0 J	< 5.0	< 5.0	cis-1,2-Dichloroethene (1 J) Napthalene (1 BJ)
	2/18/2003	7.3	190	< 25.0	< 25.0	< 25.0	Methylene Chloride (5 J)
	5/29/2003	7.2	170 D	< 5.0	< 5.0	1.0 J	
	8/26/2003	7.5	210 D	< 5.0	< 5.0	1.0 J	

TABLE 4-2

GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2 - Dichloroethene (µg/L)	Chloroform (µg/L)	Comments:
	11/20/2003	7.4	150	< 5.0	< 5.0	3.0J	
	2/6/2004	7.4	110 D	< 5.0	< 5.0	3.2 J	
	5/19/2004	7.4	67	< 5.0	< 5.0	5.9	
	8/24/2004	7.4	70	< 5.0	< 5.0	6	
	11/17/2004	7.1	42	< 5.0	< 5.0	6.7	
	3/1/2005	7.4	92	< 5.0	< 5.0	5.5	
	5/25/2005	7.8	19	< 5.0	< 5.0	6.5	
	8/23/2005	7.6	25	< 5.0	< 5.0	7.5	
	11/15/2005	7.5	15	< 5.0	< 5.0	7.3	
	2/21/2006	7.6	40	< 5.0	< 5.0	8.3	
	5/24/2006	7.6	11	< 5.0	< 5.0	11	
	8/23/2006	7.8	12	< 5.0	< 5.0	9.7	
	11/16/2006	7.8	10	<0.5	< 0.5[a]	13	
	2/14/2007	7.3	42	<0.5	< 0.5[a]	9.5	
	5/23/2007	7.9	8.9	<0.5	< 0.5[a]	11	Bromodichloromethane (0.5)
	8/22/2007	7.5	14	<0.5	< 0.5[a]	13	Bromodichloromethane (0.5 J)
	11/27/2007	7.4	8.5	<0.5	< 0.5[a]	15	Bromodichloromethane (0.6)
	2/27/2008	-	28	<0.5	< 0.5[a]	9.6	
	5/20/2008	7.7	5.7	<0.5	< 0.5[a]	11	Bromodichloromethane (0.4 J)
	8/19/2008	7.56	11	<0.5	< 0.5[a]	12	
	12/10/2008	7.1	5.4 J+	< 0.5 U	< 0.5[a] U	12	
	2/17/2009	7.5	5.3	<0.5	< 0.5[a]	11	Bromodichloromethane (0.4 J)
	6/2/2009	7.61	3.8	< 0.5	< 0.5[a]	12	Bromodichloromethane (0.4 J)
	8/11/2009	7.4	4.2	< 0.5	< 0.5[a]	9.5	Bromodichloromethane (0.4 J)
MW-7A	8/20/2001	7.1	1.0 J	< 5.0	< 5.0	< 5.0	
	11/13/2001	7.1	< 5.0	< 5.0	< 5.0	< 5.0	
	2/19/2002	7.1	< 5.0	< 5.0	< 5.0	< 5.0	
	5/23/2002	7.2	< 5.0	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.1	4.0 J	< 5.0	< 5.0	5.0 J	
	11/19/2002	7.2	2.0 J	< 5.0	< 5.0	< 5.0	Napthalene (2 BJ)
	2/18/2003	7.2	< 5.0	< 5.0	< 5.0	< 5.0	Napthalene (1 BJ)
	5/28/2003	7.1	< 5.0	< 5.0	< 5.0	< 5.0	Napthalene (4 BJ)
	8/26/2003	7.8	< 5.0	< 5.0	< 5.0	< 5.0	
	11/19/2003	7.4	< 5.0	< 5.0	< 5.0	< 5.0	
	2/5/2004	7.4	< 5.0	< 5.0	< 5.0	< 5.0	
	5/18/2004	7.5	< 5.0	< 5.0	< 5.0	< 5.0	
	8/24/2004	6.9	< 5.0	< 5.0	< 5.0	< 5.0	
	11/16/2004	6.9	< 5.0	< 5.0	< 5.0	< 5.0	
	3/1/2005	7.2	< 5.0	< 5.0	< 5.0	< 5.0	
	5/24/2005	7.3	< 5.0	< 5.0	< 5.0	< 5.0	
	8/23/2005	7.4	< 5.0 UJ	< 5.0	< 5.0	< 5.0	
	11/15/2005	7.3	< 5.0	< 5.0	< 5.0	< 5.0	
	2/21/2006	7.2	< 5.0	< 5.0	< 5.0	< 5.0	
	5/23/2006	7.2	< 5.0	< 5.0	< 5.0	< 5.0	
	8/22/2006	7.1	0.4 J	< 5.0	< 5.0	< 5.0	
	11/15/2006	7.2	0.4 J+	<0.5	< 0.5[a]	0.2	
	2/13/2007	7.0	<0.5	<0.5	< 0.5[a]	0.2	
	5/22/2007	7.6	<0.5	<0.5	< 0.5[a]	< 0.5	
	8/21/2007	7.2	<0.5	<0.5	< 0.5[a]	0.3 J	
	11/27/2007	7.0	<0.5	<0.5	< 0.5[a]	0.4	
	2/27/2008	7.1	<0.5	<0.5	< 0.5[a]	0.5	
	5/20/2008	7.2	<0.5	<0.5	< 0.5[a]	0.4 UJ	
	8/19/2008	7.2	<0.5	<0.5	< 0.5[a]	0.5	
	12/2/2008	7.0	<0.5	<0.5	< 0.5[a]	0.7 U	
	2/18/2009	7.1	0.4	<0.5	< 0.5[a]	0.7	Dichloromethane (8.8)
	6/2/2009	7.3	< 0.5	< 0.5	< 0.5[a]	0.7 J	
	8/11/2009	7.1	< 0.5	< 0.5	< 0.5[a]	0.5	
MW-8A	8/22/2001	7.4	2,300 D	4.0 J	2.0 J	1.0 J	
	11/15/2001	7.4	1,900	< 5.0	< 5.0	< 5.0	
	2/19/2002	7.5	1,500 D	< 5.0	2.0 J	1.0 J	
	5/23/2002	7.1	1,700 D	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.4	2,100 D	< 5.0	< 5.0	3.0 J	
	11/19/2002	7.4	1,700 D	2.0 J	< 5.0	3.0 J	cis-1,2-Dichloroethene (1 J) Napthalene (1 BJ)
	2/18/2003	7.4	1,300 D	< 50.0	< 50.0	< 50.0	Methylene Chloride (7 J)
	5/29/2003	7.2	1,900 D	1.0 J	< 5.0	3.0 J	cis-1,2-Dichloroethene (1 J)
	8/26/2003	8.3	1,700 D	<5.0	<5.0	2	

TABLE 4-2

GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2 - Dichloroethene (µg/L)	Chloroform (µg/L)	Comments:
	11/20/2003	7.4	**400 D**	< 5.0	< 5.0	**1.0J**	
	2/6/2004	7.3	**320 D**	<5.0	<5.0	<5.0	
	5/18/2004	7.3	**230 D**	< 5.0	< 5.0	< 5.0	
	8/25/2004	7.1	**480 D**	<5.0	<5.0	**3.1 J**	
	11/17/2004	7.1	**280 D**	< 5.0	< 5.0	< 5.0	
	3/2/2005	7.4	**210 D**	<5.0	<5.0	< 5.0	
	5/25/2005	7.5	**200 J**	< 5.0	< 5.0	< 5.0	
	8/24/2005	7.5	**61**	<5.0	<5.0	< 5.0	
	11/16/2005	7.4	**81**	< 5.0	< 5.0	**9.5 U**	
	2/22/2006	7.5	**140**	<5.0	<5.0	**3.1 J**	
	5/24/2006	7.4	**74**	< 5.0	< 5.0	**7.1**	
	8/23/2006	7.2	**33**	<5.0	<5.0	**6.0**	
	11/16/2006	7.3	**25**	<0.5	< 0.5[a]	**7.2**	
	2/14/2007	7.2	**44**	<0.5	< 0.5[a]	**10**	
	5/23/2007	7.6	**38**	<0.5	< 0.5[a]	**8.5**	Bromodichloromethane (0.4)
	8/22/2007	7.4	**24**	<0.5	< 0.5[a]	**11**	Bromodichloromethane (0.6)
	11/28/2007	7.1	**23**	<0.5	< 0.5[a]	**11**	Bromodichloromethane (0.6J)
	2/27/2008	7.2	**37**	<0.5	< 0.5	**7.8**	Bromodichloromethane (0.3J); 1,2,3-Trichlorobenzene(0.3J)
	5/21/2008	7.2	**23**	<0.5	< 0.5[a]	**9.4**	Bromodichloromethane (0.5)
	8/20/2008	7.3	**17**	<0.5	< 0.5[a]	**11**	Bromodichloromethane (0.6)
	12/2/2008	6.9	**14 J-**	<0.5	<0.5[a]J	**9.8 J-**	
	2/18/2009	7.2	**34**	<0.5	< 0.5[a]	**5.3**	
	6/3/2009	7.2	**14**	< 0.5	< 0.5[a]	**11**	Bromodichloromethane (0.6)
	8/12/2009	7.2	**9.8 J-**	< 0.5	< 0.5[a]	**10**	Bromodichloromethane (0.5)
MW-9B	8/22/2001	7.5	**39.0**	< 5.0	< 5.0	< 5.0	
	11/15/2001	7.3	< 5.0	< 5.0	< 5.0	< 5.0	
	2/18/2002	7.5	**10.0**	< 5.0	< 5.0	< 5.0	
	5/23/2002	7.4	**5.0**	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.6	**8.0**	< 5.0	< 5.0	< 5.0	
	11/19/2002	8.0	**12.0**	< 5.0	< 5.0	< 5.0	Napthalene (1BJ)
	2/18/2003	8.0	**6.0**	< 5.0	< 5.0	< 5.0	
	5/28/2003	8.2	**3.0 J**	< 5.0	< 5.0	< 5.0	
	8/26/2003	7.6	**55.0**	< 5.0	< 5.0	< 5.0	
	11/19/2003	7.9	**33.0**	< 5.0	< 5.0	< 5.0	
	2/5/2004	7.9	**4.0 J**	< 5.0	< 5.0	< 5.0	
	5/18/2004	7.8	**37**	< 5.0	< 5.0	< 5.0	
	8/24/2004	7.3	**68**	< 5.0	< 5.0	< 5.0	
	11/17/2004	7.5	**89**	< 5.0	< 5.0	< 5.0	
	3/1/2005	7.8	**51**	< 5.0	< 5.0	< 5.0	
	5/24/2005	7.8	**61**	< 5.0	< 5.0	< 5.0	
	8/24/2005	8.1	**44**	< 5.0	< 5.0	< 5.0	
	11/16/2005	7.9	**30**	< 5.0	< 5.0	< 5.0	
	2/22/2006	7.8	**18**	< 5.0	< 5.0	< 5.0	
	5/23/2006	7.8	**20**	< 5.0	< 5.0	< 5.0	
	8/22/2006	7.7	**24**	< 5.0	< 5.0	< 5.0	
	11/15/2006	7.9	**5.2**	<0.5	< 0.5[a]	<0.5	
	2/13/2007	7.7	**2.7**	<0.5	< 0.5[a]	<0.5	
	5/22/2007	NS	NS	NS	NS	NS	Broken Pump
	8/21/2007	7.7	**14**	<0.5	< 0.5[a]	<0.5	Chloromethane (4.0), Acetone (4.9)
	11/27/2007	7.7	**6.5**	<0.5	< 0.5[a]	<0.5	
	2/27/2008	7.8	**0.7**	<0.5	< 0.5	<0.5	
	5/21/2008	8.0	**16**	<0.5	< 0.5[a]	<0.5	
	8/20/2008	7.8	**26**	<0.5	< 0.5[a]	<0.5	
	12/2/2008	7.3	**5.2**	<0.5	< 0.5[a]	<0.5	
	2/18/2009	7.2	**8.5**	<0.5	< 0.5[a]	<0.5	
	6/3/2009	7.7	**19**	< 0.5	< 0.5[a]	< 0.5	
	8/12/2009	7.7	**17**	< 0.5	< 0.5[a]	< 0.5	
MW-10A	8/20/2001	7.4	**91.0**	< 5.0	< 5.0	**8.0**	
	11/12/2001	7.5	**45.0**	< 5.0	< 5.0	**10.0**	
	2/19/2002	7.7	**27.0**	< 5.0	< 5.0	**25.0**	
	5/23/2002	7.2	**260 D**	< 5.0	< 5.0	**8.0**	
	8/19/2002	7.4	**300 D**	< 5.0	< 5.0	**7.0**	
	11/20/2002	7.4	**200**	< 5.0	< 5.0	**16.0**	Methylene Chloride (2BJ) Naphthalene (3 BJ)
	2/18/2003	7.4	**200**	< 25.0	< 25.0	**17 J**	Methylene Chloride (4 J)

TABLE 4-2

GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2-Dichloroethene (µg/L)	Chloroform (µg/L)	Comments:
	5/29/2003	7.4	340 D	1.0 J	< 5.0	5.0	
	8/26/2003	7.7	820 D	<5.0	< 5.0	<5.0	
	11/20/2003	7.3	500 D	0.9 J	<5.0	7.0	
	2/6/2004	7.4	510 D	<5.0	< 5.0	7.8	
	5/19/2004	7.1	390 D	< 5.0	< 5.0	3.8 J	
	8/25/2004	7.1	460 D	<5.0	< 5.0	2.7 J	
	11/17/2004	7.1	890 D	< 5.0	< 5.0	4.7 J	
	3/2/2005	7.4	910 D	<5.0	< 5.0	5.1	
	5/25/2005	7.5	820 J	< 5.0	< 5.0	3.9 J	
	8/24/2005	7.4	490 J	<5.0	< 5.0		
	11/16/2005	7.4	940 J	< 5.0	< 5.0	3.2 UJ	
	2/22/2006	7.4	970	<5.0	< 5.0	3.8 J	
	5/24/2006	7.2	560 E	< 5.0	< 5.0	3.1 J	
	8/23/2006	7.2	410	0.5	< 5.0	1.8	tert-Butyl methyl ether (MTBE) (1.5)
	11/16/2006	7.3	320	0.5	< 0.5[a]	1.3 U	
	2/14/2007	7.1	550	0.7	< 0.5[a]	3.3	
	5/23/2007	7.5	350	0.5	0.3[a]	2.0	
	8/22/2007	7.1	480	0.7	0.3 J[a]	2.3	
	11/28/2007	7.9	330	0.4	< 0.5[a]	4.2	
	2/27/2008	7.2	430	<2.5	<2.5[a]	2.4	
	5/21/2008	7.2	280	0.4 J	< 0.5[a]	2.1	
	8/20/2008	7.3	220	0.4 J	<0.5[a]	2.9	
	12/2/2008	6.8	240	<0.5	< 0.5[a]	4.6	
	2/17/2009	7.2	210	0.3	<0.5[a]	3.8	
	6/2/2009	7.3	120	< 0.5	< 0.5[a]	5.1	
	8/11/2009	6.9	140	< 0.5	<0.5[a]	2.8	
MW-10B	12/3/2008	7.5	25 J-	<0.5,J	<0.5[a]J	0.4 U,J-	
	2/23/2009	7.7	13	<0.5	< 0.5[a]	4.6	
	6/10/2009	7.7	12	< 0.5	<0.5[a]	0.3	
	8/13/2009	7.6	13	< 0.5	< 0.5[a]	< 0.5	
MW-10C	12/3/2008	7.81	<0.5	<0.5	< 0.5[a]	1 U	
	2/17/2009	8.1	0.4	<0.5	< 0.5[a]	0.3 J	
	6/8/2009	7.9	< 0.5	< 0.5	< 0.5[a]	< 0.5	
	8/11/2009	7.7	< 0.5	< 0.5	< 0.5[a]	< 0.5	
MW-11A	8/20/2001	7.2	3.0 J	< 5.0	< 5.0	4.0 J	
	11/13/2001	7.1	< 5.0	< 5.0	< 5.0	5.0 J	
	2/19/2002	7.2	2.0 J	< 5.0	< 5.0	5.0 J	
	5/23/2002	7.0	< 5.0	< 5.0	< 5.0	2.0 J	
	8/19/2002	7.1	3.0 J	< 5.0	< 5.0	7	
	11/20/2002	7.3	< 5.0	< 5.0	< 5.0	6.0	Methylene Chloride (1 BJ) Napthalene (2 BJ) Napthalene (2 BJ)
	2/18/2003	7.3	3.0 J	< 5.0	< 5.0	5	1,2,3-Trichlorobenzene (1 J)
	5/28/2003	7.3	5.0	< 5.0	< 5.0	2.0 JB	Napthalene (7 B)
	8/26/2003	7.6	2.0 J	< 5.0	< 5.0	<5.0	
	11/19/2003	7.4	3.0J	< 5.0	< 5.0	3.0 J	
	2/5/2004	7.2	<5.0	< 5.0	< 5.0	3.7 J	
	5/18/2004	7.4	3.7 J	< 5.0	< 5.0	<5.0	
	8/24/2004	7.0	3.1 J	< 5.0	< 5.0	4.8 J	
	11/16/2004	7.1	3.5 J	< 5.0	< 5.0	<5.0	
	3/1/2005	7.3	3.8 J	< 5.0	< 5.0	3.1 J	
	5/24/2005	7.4	6.0	< 5.0	< 5.0	<5.0	
	8/23/2005	7.4	<5.0	< 5.0	< 5.0	<5.0	
	11/15/2005	7.4	<5.0	< 5.0	< 5.0	<5.0	
	2/21/2006	7.4	2.7 J	< 5.0	< 5.0	<5.0	
	5/23/2006	7.2	<5.0	< 5.0	< 5.0	<5.0	
	8/22/2006	7.2	1.6	< 5.0	< 5.0	1.5	
	11/15/2006	7.2	2.4 J+	<0.5	< 0.5[a]	2.4 J+	
	2/13/2007	7.1	1.7	<0.5	< 0.5[a]	2.0	
	5/22/2007	7.5	1.7	<0.5	< 0.5[a]	2.9	
	8/21/2007	7.3	1.5	<0.5	< 0.5[a]	3.0	
	11/27/2007	7.0	2.2	<0.5	< 0.5[a]	2.3	
	2/27/2008	7.2	1.3	<0.5	< 0.5[a]	2.2	
	5/20/2008	7.2	1.6	<0.5	< 0.5[a]	2.1	
	8/19/2008	7.2	1.4	<0.5	< 0.5[a]	3.7	

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Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2 - Dichloroethene (µg/L)	Chloroform (µg/L)	Comments:
	12/2/2008	6.9	1.8	<0.5	< 0.5[a]	2.6	
	2/17/2009	7.2	1.3	<0.5	< 0.5[a]	3.2	
	6/2/2009	7.33	1.4 J-	< 0.5	< 0.5[a]	3.3	
	8/11/2009	7.1	0.6	< 0.5	< 0.5[a]	5.3	
MW-12A	8/21/2001	7.6	26	< 5.0	< 5.0	< 5.0	
	11/13/2001	7.3	23	< 5.0	< 5.0	< 5.0	
	2/18/2002	7.2	17	< 5.0	< 5.0	< 5.0	
	5/23/2002	7.1	23	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.6	22	< 5.0	< 5.0	< 5.0	
	11/20/2002	7.5	17	< 5.0	< 5.0	< 5.0	Methylene Chloride (1 BJ) Napthalene (2 BJ)
	2/18/2003	7.5	15	< 5.0	< 5.0	< 5.0	
	5/28/2003	7.5	17	< 5.0	< 5.0	< 5.0	
	8/26/2003	7.6	31	< 5.0	< 5.0	< 5.0	
	11/19/2003	7.5	28	< 5.0	< 5.0	< 5.0	
	2/5/2004	7.4	21	< 5.0	< 5.0	< 5.0	
	5/18/2004	7.4	21	< 5.0	< 5.0	< 5.0	
	8/24/2004	7.1	25	< 5.0	< 5.0	< 5.0	
	11/16/2004	7.2	26	< 5.0	< 5.0	< 5.0	
	3/1/2005	7.5	23	< 5.0	< 5.0	< 5.0	
	5/24/2005	7.5	17	< 5.0	< 5.0	< 5.0	
	8/23/2005	7.5	26	< 5.0	< 5.0	< 5.0	
	11/15/2005	7.5	23	< 5.0	< 5.0	< 5.0	
	2/21/2006	7.6	30	< 5.0	< 5.0	< 5.0	
	5/23/2006	7.4	28	< 5.0	< 5.0	< 5.0	
	8/22/2006	7.6	31	< 5.0	< 5.0	< 5.0	
	11/15/2006	7.5	28	<0.5	< 0.5[a]	0.4 J	
	2/13/2007	7.4	23	<0.5	< 0.5[a]	0.6	
	5/23/2007	7.5	24	<0.5	< 0.5[a]	0.4 J	Trichlorofluoromethane (0.5)
	8/21/2007	7.5	38	<0.5	< 0.5[a]	0.5	Trichlorofluoromethane (0.6)
	11/28/2007	7.2	33	<0.5	< 0.5[a]	1.0	Trichlorofluoromethane (0.8)
	2/27/2008	7.4	26	<0.5	< 0.5[a]	0.4	Trichlorofluoromethane (0.4)
	5/21/2008	7.5	30	<0.5	< 0.5[a]	0.9 U	Trichlorofluoromethane (0.6) Acetone (3.6 UJ)
	8/19/2008	7.6	32	<0.5	< 0.5[a]	1.2	
	12/2/2008	7.1	29	<0.5	< 0.5[a]	1.8 U	
	2/17/2009	7.4	24	<0.5	< 0.5[a]	1.9	Trichlorofluoromethane (0.4)
	6/2/2009	7.5	28	< 0.5	< 0.5[a]	2.1	Trichlorofluoromethane (0.4)
	8/12/2009	7.0	23	< 0.5	< 0.5[a]	2	Trichlorofluoromethane (0.3)
MW-13A	8/21/2001	7.5	6.0	< 5.0	< 5.0	< 5.0	
	11/12/2001	7.4	< 5.0	< 5.0	< 5.0	< 5.0	
	2/18/2002	7.0	12.0	< 5.0	< 5.0	< 5.0	
	5/23/2002	7.1	4.0 J	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.6	6.0	< 5.0	< 5.0	< 5.0	
	11/20/2002	7.3	5.0	< 5.0	< 5.0	< 5.0	Methylene Chloride (2 BJ) Napthalene (2 BJ)
	2/18/2003	7.3	11.0	< 5.0	< 5.0	< 5.0	
	5/28/2003	7.3	4.0	< 5.0	< 5.0	< 5.0	
	8/26/2003	7.7	3.0 J	< 5.0	< 5.0	< 5.0	
	11/19/2003	7.4	3.0 J	< 5.0	< 5.0	3.0 J	
	2/5/2004	7.4	9.3	< 5.0	< 5.0	< 5.0	
	5/18/2004	7.3	3.7 J	< 5.0	< 5.0	< 5.0	
	8/24/2004	7	3.8 J	< 5.0	< 5.0	3.1 J	
	11/16/2004	7.1	6.2	< 5.0	< 5.0	3.0 J	
	3/1/2005	7.3	20.0	< 5.0	< 5.0	< 5.0	
	5/24/2005	7.2	16.0	< 5.0	< 5.0	< 5.0	
	8/23/2005	7.4	7.3 J	< 5.0	< 5.0	3.8	
	11/15/2005	7.3	7.2 J	< 5.0 UJ	< 5.0 UJ	3.8 J	
	2/21/2006	7.4	28.0	< 5.0	< 5.0	< 5.0	
	5/23/2006	7.2	14.0	< 5.0	< 5.0	3.0 J	
	8/22/2006	7.3	8.4	< 5.0	< 5.0	3.5	
	11/15/2006	7.3	8.2	<0.5	< 0.5[a]	5.5	
	2/13/2007	7.1	19	<0.5	< 0.5[a]	2.0	
	5/23/2007	7.6	8.8	<0.5	< 0.5[a]	3.7	
	8/22/2007	7.2	7.9	<0.5	< 0.5[a]	5.7	Bromodichloromethane (0.3 J)
	11/27/2007	7.1	7.8	<0.5	< 0.5[a]	6.7	Bromodichloromethane (0.3 J)
	2/27/2008	7.2	17	<0.5	< 0.5[a]	1.7	

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Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2 - Dichloroethene (µg/L)	Chloroform (µg/L)	Comments:
	5/20/2008	7.3	7.1	<0.5	< 0.5[a]	4.4	
	8/19/2008	7.3	5.5	<0.5	< 0.5[a]	5.2	
	12/2/2008	6.9	4.6	<0.5	< 0.5[a]	5.5	
	2/17/2009	7.2	12	<0.5	< 0.5[a]	2.3	
	6/2/2009	7.4	3.7	< 0.5	< 0.5[a]	4.5	Bromodichloromethane (0.3 J)
	8/11/2009	7.1	2.1	< 0.5	< 0.5[a]	3.2	
MW-14A	8/20/2001	7.1	2.0 J	< 5.0	< 5.0	< 5.0	
	11/13/2001	7.0	< 5.0	< 5.0	< 5.0	< 5.0	
	2/18/2002	6.9	< 5.0	< 5.0	< 5.0	< 5.0	
	5/23/2002	7.0	< 5.0	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.1	1.0 J	< 5.0	< 5.0	< 5.0	
	11/20/2002	7.3	< 5.0	< 5.0	< 5.0	< 5.0	Methylene Chloride (1BJ 1,2,4-Trichlorobenzene (1 J) 1,2,3-Trichlorobenzene (2 J)
	2/18/2003	7.3	8	< 5.0	< 5.0	1.0 J	Napthalene (3 BJ)
	5/28/2003	7.1	< 5.0	< 5.0	< 5.0	< 5.0	Napthalene (9 B)
	8/26/2003	7.9	< 5.0	< 5.0	< 5.0	< 5.0	
	11/19/2003	7.6	< 5.0	< 5.0	< 5.0	< 5.0	
	2/5/2004	7.3	< 5.0	< 5.0	< 5.0	< 5.0	
	5/18/2004	7.3	< 5.0	< 5.0	< 5.0	< 5.0	
	8/24/2004	6.8	< 5.0	< 5.0	< 5.0	< 5.0	
	11/16/2004	6.9	< 5.0	< 5.0	< 5.0	< 5.0	
	3/1/2005	7.3	16	< 5.0	< 5.0	< 5.0	
	5/24/2005	7.1	< 5.0	< 5.0	< 5.0	< 5.0	
	8/23/2005	7.3	< 5.0	< 5.0	< 5.0	< 5.0	
	11/15/2005	7.3	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	
	2/21/2006	7.2	< 5.0	< 5.0	< 5.0	< 5.0	
	5/23/2006	7.1	< 5.0	< 5.0	< 5.0	< 5.0	
	8/22/2006	7.1	1.2	< 5.0	< 5.0	0.5	
	11/15/2006	7.2	1.6 J+	<0.5	< 0.5[a]	0.7 J+	
	2/13/2007	7.1	11	<0.5	< 0.5[a]	0.4	
	5/22/2007	7.6	1.8	<0.5	< 0.5[a]	0.6	
	8/21/2007	7.3	2.0	<0.5	< 0.5[a]	0.6	
	11/27/2007	6.9	1.7	<0.5	< 0.5[a]	0.4	
	2/27/2008	7.3	11	<0.5	< 0.5	0.4	
	5/20/2008	7.1	1.8	<0.5	< 0.5[a]	0.5 U	
	8/19/2008	7.2	2	<0.5	< 0.5[a]	0.7	
	12/2/2008	6.8	1.6	<0.5	< 0.5[a]	0.5 U	
	2/17/2009	7.2	12	<0.5	< 0.5[a]	0.3	
	6/2/2009	7.3	1.9	< 0.5	< 0.5[a]	1.3	
	8/11/2009	7.0	1.3	< 0.5	< 0.5[a]	1	
MW-15A	8/21/2001	7.6	< 5.0	< 5.0	< 5.0	< 5.0	
	11/15/2001	7.4	< 5.0	< 5.0	< 5.0	< 5.0	
	2/18/2002	7.2	< 5.0	< 5.0	< 5.0	< 5.0	
	5/23/2002	7.0	< 5.0	< 5.0	< 5.0	< 5.0	
	8/19/2002	7.6	< 5.0	< 5.0	< 5.0	< 5.0	
	11/20/2002	7.5	< 5.0	< 5.0	< 5.0	< 5.0	Methylene Chloride (2 BJ 1,2,4-Trichlorobenzene (1 J) 1,2,3-Trichlorobenzene (1 J)
	2/18/2003	7.5	0.9 J	< 5.0	< 5.0	< 5.0	Napthalene (3 BJ)
	5/28/2003	7.5	< 5.0	< 5.0	< 5.0	< 5.0	
	8/26/2003	7.6	< 5.0	< 5.0	< 5.0	< 5.0	
	11/19/2003	7.5	< 5.0	< 5.0	< 5.0	< 5.0	
	2/5/2004	7.4	< 5.0	< 5.0	< 5.0	< 5.0	
	5/18/2004	7.8	< 5.0	< 5.0	< 5.0	< 5.0	
	8/24/2004	7.1	< 5.0	< 5.0	< 5.0	< 5.0	
	11/16/2004	7.1	< 5.0	< 5.0	< 5.0	< 5.0	
	3/1/2005	7.4	< 5.0	< 5.0	< 5.0	< 5.0	
	5/24/2005	7.5	< 5.0	< 5.0	< 5.0	< 5.0	
	8/23/2005	7.5	< 5.0	< 5.0	< 5.0	< 5.0	
	11/15/2005	7.3	< 5.0	< 5.0	< 5.0	< 5.0	
	2/21/2006	7.4	< 5.0	< 5.0	< 5.0	< 5.0	
	5/23/2006	7.4	< 5.0	< 5.0	< 5.0	< 5.0	
	8/22/2006	7.2	0.4 J	< 5.0	< 5.0	0.7	
	11/15/2006	7.4	0.4 J	<0.5	< 0.5[a]	1.3	
	2/13/2007	7.2	0.3 J	<0.5	< 0.5[a]	0.4	
	5/22/2007	7.7	0.3 J	<0.5	< 0.5[a]	1.5	

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Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2-Dichloroethene (µg/L)	Chloroform (µg/L)	Comments
	8/21/2007	7.3	0.5 J	<0.5	< 0.5[a]	1.9	1,2-Dichloroethane (0.4 J)
	11/27/2007	7.1	0.5 J	<0.5	< 0.5[a]	2.2	1,2-Dichloroethane (0.6 J)
	2/27/2008	7.3	0.5	< 0.5	< 0.5[a]	0.5	
	5/20/2008	7.3	0.3 J	<0.5	< 0.5[a]	1.6	1,2-Dichloroethane (0.5)
	8/19/2008	7.3	0.3 J-	< 0.5	< 0.5[a]	2.3 J+	
	12/2/2008	7.0	<0.5	<0.5	1.0[a]	2.1 U	
	2/17/2009	7.2	< 0.5	< 0.5	< 0.5[a]	0.5	
	6/2/2009	7.4	< 0.5	< 0.5	< 0.5[a]	1.8	1,2-Dichloroethane (0.7 J)
	8/11/2009	7.2	< 0.5	< 0.5	< 0.5[a]	1.6	1,2-Dichloroethane (0.9)
MW-16A	12/4/2008	7.1	<0.5	<0.5	< 0.5[a]	0.6 U	
	2/18/2009	7.1	0.5	<0.5	< 0.5[a]	0.6	
	6/9/2009	7.1	0.2 J	< 0.5	< 0.5[a]	0.5	
	8/12/2009	7.0	< 0.5	< 0.5	< 0.5[a]	0.3	
MW-16B	12/4/2008	7.2	2.3	<0.5	< 0.5[a]	0.5 U	
	2/18/2009	7.4	3.8	<0.5	< 0.5[a]	0.6	
	6/9/2009	7.1	0.5	< 0.5	< 0.5[a]	1.3	
	8/13/2009	7.3	1.2	< 0.5	< 0.5[a]	0.4	
MW-16C	12/4/2008	7.7	<0.5	<0.5	< 0.5[a]	<0.5	
	2/18/2009	7.9	4.9	<0.5	< 0.5[a]	0.3	
	6/9/2009	7.9	< 0.5	< 0.5	< 0.5[a]	0.3 J	
	8/12/2009	7.8	< 0.5	< 0.5	< 0.5[a]	< 0.5	
MW-17A	12/4/2008	7.0	0.3 J	<0.5	< 0.5[a]	5.8	
	2/19/2009	8.1	2.9	<0.5	< 0.5[a]	11	
	6/10/2009	7.1	1	< 0.5	< 0.5[a]	8.4	Bromodichloromethane (0.5 J)
	8/13/2009	7.0	0.3	< 0.5	< 0.5[a]	3.6	
MW-17B	12/4/2008	7.3	40	<0.5	< 0.5[a]	0.6 U	
	2/23/2009	7.5	31	<0.5	< 0.5[a]	11	
	6/10/2009	7.4	41	< 0.5	< 0.5[a]	0.5	
	8/14/2009	7.4	40	< 0.5	< 0.5[a]	< 0.5	
MW-17C	12/4/2008	7.9	0.3 J	<0.5	< 0.5[a]	1.7 U	
	2/19/2009	8.1	1.8	<0.5	< 0.5[a]	0.5	
	6/10/2009	8.0	0.5	< 0.5	< 0.5[a]	0.3 J	
	8/13/2009	7.7	< 0.5	< 0.5	< 0.5[a]	< 0.5	
MW-18A	12/3/2008	6.9	4.6	<0.5	< 0.5[a]	4.9	
	2/18/2009	7.1	3.6	<0.5	< 0.5[a]	4.1	
	6/9/2009	7.0	3.3	< 0.5	< 0.5	4.1	
	8/13/2009	7.2	2.4	< 0.5	< 0.5[a]	3.2	
MW-19A	12/8/2008	7.4	<0.5	<0.5	< 0.5[a]	1.4	
	2/17/2009	7.3	0.4	<0.5	< 0.5[a]	1.2	
	6/8/2009	7.2	< 0.5	< 0.5	< 0.5	0.9	
	8/11/2009	7.2	< 0.5	< 0.5	< 0.5[a]	0.7	
MW-19B	12/8/2008	7.5	<0.5	<0.5	< 0.5[a]	0.5	
	2/17/2009	7.6	0.5	<0.5	< 0.5[a]	1.2	
	6/8/2009	7.6	0.4 J	< 0.5	< 0.5	< 0.5	
	8/11/2009	7.4	< 0.5	< 0.5	< 0.5[a]	< 0.5	
MW-20A	12/8/2008	7.2	120	<0.5	< 0.5[a]	11	
	2/24/2009	7.3	180	<0.5	< 0.5[a]	11	Dichlorofluoromethane (17) Bromodichloromethane (0.6)
	6/11/2009	7.3	170	< 0.5	< 0.5[a]	11	Dichlorofluoromethane (11 J-) Bromodichloromethane (0.5)
	8/14/2009	7.2	130	< 0.5	< 0.5[a]	7.5	Dichlorofluoromethane (12 J-) Bromodichloromethane (0.4 J-)

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Well Identification	Date	pH	PCE (µg/L)	TCE (µg/L)	1,2-Dichloroethene (µg/L)	Chloroform (µg/L)	Comments
MW-20B	12/9/2008	7.8	**160**	<0.5	< 0.5[a]	**0.4 J**	
	2/24/2009	7.8	**140**	<0.5	< 0.5[a]	<0.5	
	6/11/2009	7.7	**150**	< 0.5	< 0.5[a]	< 0.5	
	8/14/2009	7.7	**150**	< 0.5	< 0.5[a]	< 0.5	
MW-20C	12/8/2008	7.9	**<0.5**	<0.5	< 0.5[a]	**<0.5**	
	2/17/2009	8.0	**0.3**	<0.5	< 0.5[a]	**<0.5**	
	6/8/2009	7.9	< 0.5	< 0.5	< 0.5[a]	< 0.5	
	8/12/2009	7.3	< 0.5	< 0.5	< 0.5[a]	< 0.5	

Notes:
[a] 1,2-Dichloroethene was not analyzed for in the 524.2 analysis. The value show is the addative of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene

µg/L - micrograms per liter
D - Diluted reanalysis
E - The reported value exceeds linear range
J - Estimated value
J+ - Estimated value, High Bias
J- - Estimated value, Low Bias
MW - Monitoring Well
PCE - Tetrachloroethene
TCE - Trichloroethene
UJ - The analyte was analyzed for, but not detected. The sample detection limit is an estimated value.

TABLE 4-3

SOIL VAPOR EXTRACTION AND SOIL VAPOR MONITORING WELL
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Identification	Date	PCE (ppbv) Laboratory	PCE (ppbv) GC Unit
SVE-1[A]	6/11/2001	520,000	-
	8/9/2001	58,000	-
	8/20/2001	48,000	-
	8/30/2001	44,000	-
	9/7/2001	31,000	-
	9/12/2001	41,000	-
	10/29/2001	66,000	-
	11/13/2001	75,000	-
	12/13/2001	56,000	-
	1/16/2002	43,000	-
	2/19/2002	57,000	-
	3/21/2002	43,000	-
	4/17/2002	37,400	-
	5/23/2002	25,000	-
	6/20/2002	34,800	-
	7/18/2002	33,000	-
	8/19/2002	36,000	-
	9/26/2002	17,000	-
	10/24/2002	24,000	-
	11/18/2002	24,000	-
	12/18/2002	18,000	-
	1/9/2003	-	28,434
	1/16/2003	19,000	-
	3/27/2003	18,000	22,838
	4/24/2003	-	21,970
	5/29/2003	-	18,968
	6/26/2003	-	19,428
	7/24/2003	13,000	15,313
	8/29/2003	-	21,885
	9/18/2003	-	18,819
	10/25/2003	-	12,600
	11/21/2003	-	12,980
	12/19/2003	-	14,127
	1/22/2004	-	11,454
	2/26/2004	7,100	-
	3/29/2004	-	14,527
	4/18/2004	-	5,077
	5/20/2004	-	5,017
	6/23/2004	-	6,118
	7/31/2004	-	5,370
	8/26/2004	4,200	3,661
	9/30/2004	-	4,091
	10/21/2004	-	4,784
	11/18/2004	-	3,062
	12/16/2004	-	2,954
	1/19/2005	-	2,260
	2/24/2005	1,900	2,319
	3/22/2005	-	1,956
	4/24/2005	-	1,810
	5/22/2005	-	812
	6/24/2005	-	1,553
	7/26/2005	-	1,449

TABLE 4-3

SOIL VAPOR EXTRACTION AND SOIL VAPOR MONITORING WELL
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample Identification	Date	PCE (ppbv) Laboratory	PCE (ppbv) GC Unit
	8/24/2005	860	940
	9/21/2005	-	1,246
	10/18/2005	-	1,691
	11/16/2005	-	1,099
	1/6/2006*	800	-
	1/31/2006*	760	-
	2/22/2006*	590	-
	3/29/2006*	100	-
	4/20/2006*	490	-
	5/25/2006*	310	-
	6/29/2006*	530	-
	7/28/2006	400	-
	8/31/2006	810	-
	9/28/2006	360	-
	11/15/2006	300	-
	12/18/2006	NS	-
	1/22/2007	NS	-
	2/13/2007	NS	-
	3/20/2007	NS	-
	4/25/2007	-	635
	6/8/2007[1]	7	-
	6/26/2007	-	ND
	7/31/2007	ND	-
	8/24/2007	ND	-
	9/24/2007	4	-
	10/29/2007	5	-
	11/28/2007	15	-
	12/20/2007	54	-
	1/17/2008	<1.7	-
	2/25/2008	NS	-
	3/31/2008	51	-
	4/25/2008	94	-
	6/24/2008	900	-
	7/24/2008	630	-
	8/20/2008	430	-
	9/25/2008	270	-
	11/11/2008	-	101
	7/29/2009	1,200	-
	8/10/2009	1,800	-
	9/22/2009	940	-
SVE-2	11/11/2008	-	14,000
	11/18/2008	13,000	-
	12/10/2008	3,200	-
	12/30/2008	4,100	-
	1/30/2009	4,700	-
	3/10/2009	980	-
	5/28/2009	1,500	-
	8/10/2009	5,700	-
SVE-3	11/11/2008	-	981
	11/18/2008	-	ND

TABLE 4-3

SOIL VAPOR EXTRACTION AND SOIL VAPOR MONITORING WELL ANALYTICAL SUMMARY RESULTS MODESTO SUPERFUND SITE MODESTO, CALIFORNIA

Sample Identification	Date	PCE (ppbv) Laboratory	PCE (ppbv) GC Unit
	12/10/2008	810	-
	12/30/2008	1,600	-
	1/30/2009	980	-
	3/10/2009	30	-
	5/28/2009	620	-
	8/10/2009	88	-
SVE-4	11/11/2008	-	429
	11/18/2008	890	-
	12/10/2008	350	-
	12/30/2008	390	-
	1/30/2009	330	-
	3/10/2009	290	-
	5/28/2009	180	-
	8/10/2009	140	-
DP-1S	11/11/2008	-	3570[b]
	12/10/2008	-	-
	3/10/2009	570	-
DP-1D	11/11/2008	-	9113[b]
	12/10/2008	-	-
	3/10/2009	190	-
DP-5S	11/11/2008	-	661
	12/10/2008	-	-
	3/10/2009	3.7	-
DP-5D	11/11/2008	-	179
	12/10/2008	-	-
	3/10/2009	60	-
DP-6S	11/11/2008	870	712
	12/10/2008	-	-
	3/10/2009	160	-
DP-6D	11/11/2008	-	1,110
	12/10/2008	-	-
	3/10/2009	730	-

Notes:

[A] = SVE-Pre GAC opperational from 6/11/01 has been renamed as SVE-1

[b] = Note: PCE value used in contouring at the location of DP-1 is the average value from upper and lower screens (6341 ppbv) as both screens are in the "deep" zc

NS - Not Sampled (system off for rebound test)

GAC - Granular activated carbon

GC Unit - Gas chromotagraph unit (the unit has been off-line since Nov. 2005, repair pending)

PCE - Tetrachloroethlene

ppbv - parts per billion volume

SVE - Soil vapor extraction

* The GC Unit was shut down due to malfunction starting in late November. Since then, samples have been analyzed by the laboratory only. Repair of the unit is pending.

[1] May sample re-collected on June 8, 2007 due to low vacuum readings in the Summa cannisters during the May sampling event.

TABLE 4-4

GROUNDWATER TREATMENT SYSTEM
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE MODESTO, CALIFORNIA

Sample Identification	Date	pH	TDS (mg/L)	U-234 (pCi/L)	U-235 (pCi/L)	U-238 (pCi/L)	Total U (pCi/L)	PCE (mg/L)	Toluene (mg/L)	TCE (mg/L)	Bioassay
Maximum Allowable Discharge Limit		5 - 12	NA	20	20	20	20	0.0005	0.150	NA	NA
COMPLIANCE MONITORING											
Extraction Well -1[1]	6/11/01[a]	NS	NS	23.7	0.562	19.9	NS	3.0	< 0.1	< 0.1	-
	8/28/2001	7.4	NS	18.1	0.423	13.3	NS	0.330 J	< 0.05	< 0.05	-
	9/21/2001	7.3	NS	NS	NS	NS	NS	0.770	< 0.05	< 0.05	-
	10/17/2001	7.3	NS	NS	NS	NS	NS	0.890	<0.05	<0.05	-
	11/13/2001	7.4	528	21.1	0.519	15.2	NS	0.780	< 0.005	< 0.005	-
	12/13/2001	7.3	NS	NS	NS	NS	NS	0.710	< 0.005	0.031	-
	1/16/2002	7.3	NS	NS	NS	NS	NS	0.750	< 0.005	0.008	-
	2/19/2002	7.3	NS	20.4	0.615	14.9	NS	0.820	< 0.005	< 0.005	-
	3/21/2002	7.3	NS	NS	NS	NS	NS	0.003 J	< 0.005	< 0.005	-
	3/21/02 [b]	7.3	NS	NS	NS	NS	NS	0.321 R	< 0.005	< 0.005	-
	4/17/2002	7.4	NS	NS	NS	NS	NS	0.690	< 0.005	< 0.005	-
	5/23/2002	7.1	NS	22.8	0.715	18.1	NS	0.900 D	< 0.005	< 0.005	-
	6/20/2002	7.1	NS	NS	NS	NS	NS	0.730 D	< 0.005	< 0.005	-
	7/18/2002	6.8	NS	NS	NS	NS	NS	0.620 D	< 0.005	< 0.005	-
	8/19/2002	7.4	NS	23.0	0.880	16.9	NS	0.610	< 0.005	< 0.005	-
	9/26/2002	7.4	NS	NS	NS	NS	NS	0.620 D	< 0.005	< 0.005	-
	10/24/2002	7.4	NS	NS	NS	NS	NS	0.580 D	< 0.005	< 0.005	-
	11/18/2002	7.4	NS	25.6	0.829	18.7	NS	0.550 D	< 0.005	< 0.005	-
	12/18/2002	7.3	NS	NS	NS	NS	NS	0.310	< 0.010	< 0.010	-
	1/16/2003	7.2	NS	NS	NS	NS	NS	0.380	< 0.025	< 0.025	-
	2/20/2003	7.3	NS	21.2	1.82	13.9	NS	0.490	< 0.005	< 0.005	-
	3/20/2003	7.4	NS	NS	NS	NS	NS	0.490	< 0.005	< 0.005	-
	4/30/2003	7.4	NS	NS	NS	NS	NS	0.410	< 0.005	< 0.005	-
	5/29/2003	7.4	NS	26.5	1.60	15.6	NS	0.270	< 0.005	< 0.005	-
	6/26/2003	7.3	NS	NS	NS	NS	NS	0.490	< 0.005	< 0.005	-
	7/24/2003	7.6	NS	NS	NS	NS	NS	0.510	<0.005	<0.005	-
	8/28/2003	7.5	NS	24.3	1.81	16.3	NS	0.540	< 0.005	< 0.005	-
	9/18/2003	7.5	NS	NS	NS	NS	NS	0.550	<0.005	<0.005	-
	10/23/2003	7.4	NS	NS	NS	NS	NS	0.450	< 0.005	< 0.005	-
	11/19/2003	7.4	NS	31.6	0.975	21.8	NS	0.390	<0.005	<0.005	-
	12/18/2003	7.1	NS	NS	NS	NS	NS	0.420	< 0.005	< 0.005	-
	1/22/2004	7.2	NS	NS	NS	NS	NS	0.350	<0.001	<0.005	-
	2/26/2004	7.5	NS	NS	NS	NS	43.8	0.290	< 0.005	< 0.005	-
	4/8/2004	7.0	NS	NS	NS	NS	NS	0.230	<0.005	<0.005	-
	4/22/2004	7.4	NS	NS	NS	NS	NS	0.310 D	< 0.005	< 0.005	-
	5/20/2004	7.4	NS	25.1	1.2	19.5	NS	0.350	< 0.005	< 0.005	-
	6/23/2004	7.1	NS	NS	NS	NS	NS	0.250	< 0.005	< 0.005	-
	7/29/2004	7.4	NS	NS	NS	NS	NS	0.350	< 0.005	< 0.005	-

TABLE 4-4

GROUNDWATER TREATMENT SYSTEM
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE MODESTO, CALIFORNIA

Sample Identification	Date	pH	TDS (mg/L)	U-234 (pCi/L)	U-235 (pCi/L)	U-238 (pCi/L)	Total U (pCi/L)	PCE (mg/L)	Toluene (mg/L)	TCE (mg/L)	Bioassay
Maximum Allowable Discharge Limit		5 - 12	NA	20	20	20	20	0.0005	0.150	NA	NA
	8/26/2004	7.4	NS	NS	NS	NS	57.2	0.350	< 0.005	< 0.005	-
	10/4/2004	7.3	NS	NS	NS	NS	NS	0.330	< 0.005	< 0.005	-
	10/21/2004	7.2	NS	NS	NS	NS	NS	0.290	< 0.005	< 0.005	-
	8/24/2006*	7.3	NS	NS	NS	NS	76.2	0.620	< 0.005	< 0.005	-
	8/31/2006*	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/7/2006*	NS	NS	NS	NS	NS	NS	NS	NS	NS	-
	9/14/2006*	7.2	NS	NS	NS	NS	NS	0.530	< 0.005	< 0.005	-
	10/24/2006	7.2	NS	NS	NS	NS	NS	0.43 J	< 0.005	0.0004 J	-
	11/15/2006	7.4	NS	NS	NS	NS	63.9	0.500	< 0.005	0.0003 J	-
	12/18/2006	7.3	NS	NS	NS	NS	NS	0.450	< 0.005	0.0003 J	-
	1/22/2007	7.4	NS	NS	NS	NS	NS	0.420	< 0.005	< 0.005	-
	2/13/2007	7.2	NS	NS	NS	NS	63.4	0.360	< 0.005	< 0.005	-
	3/20/2007	7.3	NS	NS	NS	NS	NS	0.320 J-	< 0.005	< 0.005	-
	4/16/07 [c]	NS	NS	NS	NS	NS	NS	NS	NS	NS	-
	7/2/2007**	7.4	NS	NS	NS	NS	NS	0.076	< 0.0005	< 0.0005	
	7/23/2007**	7.5	NS	NS	NS	NS	NS	0.290	< 0.005	< 0.005	-
	8/23/2007**	7.5	NS	NS	NS	NS	NS	0.290	< 0.005	0.0002 J	-
	8/29/2007**	7.4	NS	NS	NS	NS	58.1	NS	NS	NS	-
	9/18/2007	7.6	NS	NS	NS	NS	NS	0.360	< 0.0005	< 0.0005	
	10/29/2007	7.6	NS	NS	NS	NS	NS	0.280	<0.005	<0.005	-
Start-up VOC sample	11/29/2007	7.5	NS	NS	NS	NS	54.7	0.310	<0.0005	<0.0005	-
Start-up VOC sample	12/6/2007	7.2	NS	NS	NS	NS	NS	0.260	<0.0005	<0.0005	-
Start-up VOC sample	12/13/2007	7.4	NS	NS	NS	NS	NS	0.290	<0.0005	<0.0005	-
Start-up VOC sample	12/20/2007	6.9	NS	NS	NS	NS	NS	0.260	<0.0005	<0.0005	-
	1/17/2008	7.2	NS	NS	NS	NS	NS	0.240	<0.0005	<0.0005	
	2/25/2008	8.3	NS	NS	NS	NS	59.2	0.250	<0.0005	<0.0005	-
	3/31/2008	8.2	NS	NS	NS	NS	NS	0.280	<0.0005	<0.0005	-
	4/25/2008	7.3	NS	NS	NS	NS	NS	0.210	<0.0005	<0.0005	-
	5/22/2008	7.3	NS	NS	NS	NS	58.1	0.280	<0.0005	<0.0005	-
	6/18/2008	7.2	NS	NS	NS	NS	NS	0.240	<0.0005	<0.0005	-
	7/16/2008	7.7	NS	NS	NS	NS	NS	0.240	<0.0005	<0.0005	-
	8/20/2008	8.0	NS	NS	NS	NS	83.2	0.220	<0.0005	<0.0005	-
	9/25/2008	8.1	NS	NS	NS	NS	NS	0.150	<0.0005	<0.0005	-
	10/30/2008	8.0	NS	NS	NS	NS	NS	0.250	<0.0005	<0.0005	-
	11/25/2008	7.2	NS	NS	NS	NS	62.2	0.210	<0.0005	<0.0005	-
	12/30/2008	7.2	NS	NS	NS	NS	NS	0.190	<0.0005	<0.0005	-
	1/30/2009	7.2	NS	NS	NS	NS	NS	0.190	<0.0005	<0.0005	-
	2/27/2009	7.4	NS	NS	NS	NS	58.1	0.180	<0.0005	<0.0005	-
	3/30/2009	7.8	NS	NS	NS	NS	NS	0.170	<0.0005	<0.0005	-
	4/23/2009	8.0	NS	NS	NS	NS	NS	0.160	<0.0005	<0.0005	-
	5/26/2009	7.6	NS	NS	NS	NS	60.4	0.180	<0.0005	<0.0005	-

TABLE 4-4

GROUNDWATER TREATMENT SYSTEM
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE MODESTO, CALIFORNIA

Sample Identification	Date	pH	TDS (mg/L)	U-234 (pCi/L)	U-235 (pCi/L)	U-238 (pCi/L)	Total U (pCi/L)	PCE (mg/L)	Toluene (mg/L)	TCE (mg/L)	Bioassay
Maximum Allowable Discharge Limit		5 - 12	NA	20	20	20	20	0.0005	0.150	NA	NA
	6/29/2009	7.5	NS	NS	NS	NS	NS	0.150	< 0.0005	< 0.0005	-
	7/29/2009	7.7	NS	NS	NS	NS	NS	0.190	<0.0005	<0.0005	-
	8/10/2009	7.6	NS	NS	NS	NS	NS	0.250	<0.0005	<0.0005	-
	9/22/2009	7.5	NS	NS	NS	NS	NS	0.170	<0.0005	<0.0005	-
GWT Effluent[2,3,4]	6/11/01[a]	NS	531	0.01040	< 0.0884	< 0.0884	NS	0.003	< 0.0005	< 0.0005	-
	6/25/01[a]	NS	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	7/12/2001	8.1	NS	0.01180	0.00784	0.00784	NS	< 0.0005	< 0.0005	< 0.0005	-
	7/19/2001	7.9	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	NSM
	7/26/2001	8.0	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/28/2001	7.7	525	0.00825	0.00825	0.00825	NS	< 0.0005	< 0.0005	< 0.0005	-
	9/6/2001	7.8	NS	< 0.190	< 0.157	0.01960	NS	< 0.0005	0.0008	< 0.0005	-
	9/21/2001	8.4	520	0.09470	< 0.227	0.03150	NS	< 0.0005	< 0.0005	< 0.0005	-
	10/3/2001	7.7	NS	0.05250	0.00657	< 0.0356	NS	< 0.0005	< 0.0005	< 0.0005	-
	10/17/2001	8.1	514	0.05340	0.01670	< 0.0800	NS	< 0.0005	< 0.0005	< 0.0005	NSM
	11/14/2001	7.8	531	5.94	0.230	5.88	NS	< 0.0005	< 0.0005	< 0.0005	-
	12/13/2001	8.1	529	0.0270	< 0.109	< 0.242	NS	< 0.0005	< 0.0005	< 0.0005	-
	1/16/2002	8.2	537	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/19/2002	8.1	536	2.30	0.043	1.82	NS	< 0.0005	< 0.0005	< 0.0005	-
	3/21/2002	8.3	541	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	4/17/2002	8.2	563	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	5/23/2002	8.0	605	9.47	0.348	6.58	NS	< 0.0005	< 0.0005	< 0.0005	-
	6/20/2002	8.0	571	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	7/18/2002	7.6	563	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/19/2002	8.3	592	10.8	0.381	7.4	NS	< 0.0005	< 0.0005	< 0.0005	-
	9/16/2002	8.4	NS	NS	NS	NS	NS	NS	NS	NS	NSM
	9/26/2002	8.3	NS	NS	NS	NS	NS	0.0003 J	< 0.0005	< 0.0005	-
	10/3/2002	8.4	NS	NS	NS	NS	NS	0.0003 J	< 0.0005	< 0.0005	-
	10/24/2002	8.3	595	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	11/18/2002	8.2	576	5.96	0.197	5.02	NS	< 0.0005	< 0.0005	< 0.0005	-
	12/18/2002	8.2	576	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	1/16/2003	8.0	581	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/20/2003	8.3	589	13.10	0.464	11.10	NS	< 0.0005	< 0.0005	< 0.0005	-
	3/20/2003	8.3	592	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	4/30/2003	8.2	600	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	5/29/2003	8.5	595	9.92	0.495	7.41	NS	< 0.0005	< 0.0005	< 0.0005	-
	6/26/2003	8.4	602	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	7/24/2003	8.5	593	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/28/2003	8.4	622	8.69	0.423	7.00	NS	< 0.0005	< 0.0005	< 0.0005	-

TABLE 4-4

GROUNDWATER TREATMENT SYSTEM
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE MODESTO, CALIFORNIA

Sample Identification	Date	pH	TDS (mg/L)	U-234 (pCi/L)	U-235 (pCi/L)	U-238 (pCi/L)	Total U (pCi/L)	PCE (mg/L)	Toluene (mg/L)	TCE (mg/L)	Bioassay
Maximum Allowable Discharge Limit		5 - 12	NA	20	20	20	20	0.0005	0.150	NA	NA
	9/18/2003	8.3	602	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	10/23/2003	8.3	645	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	11/19/2003	8.2	602	12.0	0.481	8.60	NS	< 0.0005	< 0.0005	< 0.0005	-
	12/18/2003	8.1	597	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	1/22/2004	8.0	594	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/26/2004	8.4	582	NS	NS	NS	10.80	< 0.0005	< 0.0005	< 0.0005	-
	4/8/2004	8.0	631	8.29	0.203	6.18	NS	< 0.0005	< 0.0005	< 0.0005	-
	4/15/2004	8.4	NS	9.52	0.230	7.35	NS	NS	NS	NS	-
	4/22/2004	8.3	589	9.32	0.269	6.69	NS	< 0.0005	< 0.0005	< 0.0005	-
	4/28/2004	8.3	NS	9.32	0.300	6.37	NS	NS	NS	NS	-
	5/20/2004	8.4	609	9.80	0.289	6.83	NS	0.00042 J	< 0.0005	< 0.0005	-
	6/23/2004	8.3	602	7.88	0.238	5.91	NS	< 0.0005	< 0.0005	< 0.0005	-
	7/29/2004	8.2	602	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/26/2004	8.4	620	NS	NS	NS	15.1	< 0.0005	< 0.0005	< 0.0005	-
	10/4/2004	8.4	622	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	10/21/2004	8.2	624	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/24/2006*	8.4	680	NS	NS	NS	12.2	< 0.0005	< 0.0005	< 0.0005	NSM
	8/31/2006*	8.4	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	9/7/2006*	8.4	NS	NS	NS	NS	1.76	< 0.0005	< 0.0005	< 0.0005	-
	9/14/2006*	8.4	NS	NS	NS	NS	1.87	< 0.0005	< 0.0005	< 0.0005	-
	10/24/2006	8.2	660	NS	NS	NS	12.3	< 0.0005	< 0.0005	< 0.0005	-
	11/15/2006	8.1	660	NS	NS	NS	14.4	< 0.0005	< 0.0005	< 0.0005	-
	12/18/2006	8.3	670	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	1/22/2007	8.2	670	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/13/2007	8.0	660	NS	NS	NS	32.9	< 0.0005	< 0.0005	< 0.0005	-
	3/20/2007	8.0	660	NS	NS	NS	26.9	< 0.0005	< 0.0005	< 0.0005	-
	4/16/07 (c)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/2/2007**	7.9	640	NS	NS	NS	0.070	< 0.0005	< 0.0005	< 0.0005	NSM
	7/9/2007**	7.7	NS	NS	NS	NS	0.036	< 0.0005	< 0.0005	< 0.0005	-
	7/16/2007**	7.9	NS	NS	NS	NS	0.007	< 0.0005	< 0.0005	< 0.0005	-
	7/23/2007**	8.0	690	NS	NS	NS	0.005	< 0.0005	< 0.0005	< 0.0005	-
	8/23/2007**	7.6	720	NS	NS	NS	NS	0.0003	< 0.0005	< 0.0005	-
	8/29/2007	7.8	NS	NS	NS	NS	15.4	NS	NS	NS	-
	9/18/2007**	7.6	680	NS	NS	NS	NS	0.0004	< 0.0005	< 0.0005	-
	10/29/2007	8.0	660	NS	NS	NS	NS	0.0006	<0.005	<0.005	-
Start-up VOC sample	11/28/2007	8.6	630	NS	NS	NS	14.8	<0.0005	<0.0005	<0.0005	-
Start-up VOC sample	12/6/2007	8.1	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
Start-up VOC sample	12/13/2007	7.9	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
Start-up VOC sample	12/20/2007	8.0	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	1/17/2008	7.8	680	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/25/2008	8.4	660	NS	NS	NS	17.5	<0.0005	<0.0005	<0.0005	-

TABLE 4-4

GROUNDWATER TREATMENT SYSTEM
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE MODESTO, CALIFORNIA

Sample Identification	Date	pH	TDS (mg/L)	U-234 (pCi/L)	U-235 (pCi/L)	U-238 (pCi/L)	Total U (pCi/L)	PCE (mg/L)	Toluene (mg/L)	TCE (mg/L)	Bioassay
Maximum Allowable Discharge Limit		**5 - 12**	**NA**	**20**	**20**	**20**	**20**	**0.0005**	**0.150**	**NA**	**NA**
	3/31/2008	**8.2**	**660**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	4/25/2008	**8.3**	**660**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	
	5/22/2008	NA	**650**	NS	NS	NS	**9.82**	<0.0005	<0.0005	<0.0005	-
	6/18/2008	**7.8**	**660**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	
	7/16/2008	**7.7**	**660**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	8/20/2008	NA	**680**	NS	NS	NS	**4.49**	<0.0005	<0.0005	<0.0005	-
	9/25/2008	**7.8**	**680**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	10/30/2008	**8.4**	**680**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	11/25/2008	**7.7**	**680**	NS	NS	NS	**13.2**	<0.0005	<0.0005	<0.0005	-
	12/30/2008	**7.8**	**660**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	
	1/30/2009	**8.4**	**670**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	2/27/2009	**7.5**	**660**	NS	NS	NS	**9.0**	<0.0005	<0.0005	<0.0005	-
	3/30/2009	**7.5**	**660**	NS	NS	NS	NS	0.0002	<0.0005	<0.0005	-
	4/23/2009	**8.0**	**660**	NS	NS	NS	NS	0.0003	<0.0005	<0.0005	-
	5/26/2009	**7.5**	**670**	NS	NS	NS	**22.3**	0.0003J	<0.0005	<0.0005	-
	6/29/2009	**8.0**	**660**	NS	NS	NS	**18.3**[d]	*0.0003J-*	*< 0.0005*	*< 0.0005*	-
	7/29/2009	**8.4**	**660**	NS	NS	NS	**17.9**	<0.0005	<0.0005	<0.0005	-
	8/10/2009	**8.3**	**650**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	9/22/2009	**8.0**	**650**	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
PERFORMANCE MONITORING											
Pre-Air Stripper[2]	6/25/01[(a)]	NS	NS	NS	NS	NS	NS	**2.9**	< 0.0005	**0.002 J**	-
Carbon Influent[2]	6/25/01[(a)]	NS	NS	NS	NS	NS	NS	**0.007**	< 0.0005	< 0.0005	-
	8/28/2001	NS	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	11/13/2001	**8.4**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	
	2/19/2002	**8.1**	NS	NS	NS	NS	NS	**0.006**	< 0.0005	< 0.0005	-
	5/23/2002	**7.1**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/19/2002	**8.3**	NS	NS	NS	NS	NS	**0.0005**	< 0.0005	< 0.0005	-
	11/18/2002	**8.3**	NS	NS	NS	NS	NS	**0.0010**	< 0.0005	< 0.0005	-
	2/20/2003	**8.4**	NS	NS	NS	NS	NS	**0.0008**	< 0.0005	< 0.0005	-
	5/29/2003	**8.3**	NS	NS	NS	NS	NS	**0.0009**	< 0.0005	< 0.0005	-
	8/28/2003	**8.5**	NS	NS	NS	NS	NS	**0.0088**	< 0.0005	< 0.0005	-
	11/19/2003	**8.3**	NS	NS	NS	NS	NS	**0.0077**	< 0.0005	< 0.0005	
	2/26/2004	**8.5**	NS	NS	NS	NS	NS	**0.00045 J**	< 0.0005	< 0.0005	-
	5/20/2004	**8.5**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/26/2004	**8.3**	NS	NS	NS	NS	NS	**0.0018**	< 0.0005	< 0.0005	-
	11/15/2006	**8.3**	NS	NS	NS	NS	NS	**0.0017**	< 0.0005	< 0.0005	-
	2/13/2007	**8.4**	NS	NS	NS	NS	NS	**0.410**	< 0.0005	**0.0002**	-
	4/16/07 [(c)]	NS	NS	NS	NS	NS	NS	NS	NS	NS	-
	8/23/2007	**7.6**	NS	NS	NS	NS	NS	**0.0008**	< 0.0005	< 0.0005	-

TABLE 4-4

GROUNDWATER TREATMENT SYSTEM
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE MODESTO, CALIFORNIA

Sample Identification	Date	pH	TDS (mg/L)	U-234 (pCi/L)	U-235 (pCi/L)	U-238 (pCi/L)	Total U (pCi/L)	PCE (mg/L)	Toluene (mg/L)	TCE (mg/L)	Bioassay
Maximum Allowable Discharge Limit		**5 - 12**	**NA**	**20**	**20**	**20**	**20**	**0.0005**	**0.150**	**NA**	**NA**
	11/28/2007	**8.5**	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	2/25/2008	NA	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	5/22/2008	NA	NS	NS	NS	NS	NS	**0.0003J**	<0.0005	<0.0005	-
	8/20/2008	NA	NS	NS	NS	NS	NS	**0.001**	<0.0005	<0.0005	-
	11/25/2008	NA	NS	NS	NS	NS	NS	**0.0005**	<0.0005	<0.0005	-
	2/27/2009	NA	NS	NS	NS	NS	NS	**0.0007**	<0.0005	<0.0005	-
	5/26/2009	**7.5**	NS	NS	NS	NS	NS	**0.0004J-**	<0.0005	<0.0005	-
	8/10/2009	NA	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
Carbon Mid Bed[2]	6/25/01[a]	NS	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/28/2001	NS	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	9/21/2001	**8.3**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	10/17/2001	**8.4**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	11/13/2001	**8.2**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	12/13/2001	**8.0**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	10/3/2002	**8.1**	NS	NS	NS	NS	NS	**0.0005 J**	< 0.0005	< 0.0005	-
	11/18/2002	**8.2**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/20/2003	**8.3**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	5/29/2003	**8.3**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/28/2003	**8.5**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	11/19/2003	**8.4**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/26/2004	**8.4**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/26/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	-
	8/24/2006*	**8.4**	NS	NS	NS	NS	NS	< 0.0005	< 0.0005	< 0.0005	-
	11/15/2006	**8.3**	NS	NS	NS	NS	NS	**0.0003 J**	< 0.0005	< 0.0005	-
	2/13/2007	**8.3**	NS	NS	NS	NS	NS	**0.0009**	< 0.0005	< 0.0005	-
	4/16/2007 [c]	NS	NS	NS	NS	NS	NS	NS	NS	NS	-
	8/23/2007	**7.6**	NS	NS	NS	NS	NS	**0.0009**	< 0.0005	< 0.0005	-
	11/28/2007	**8.5**	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	2/25/2008	NA	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	5/22/2008	NA	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	8/20/2008	NA	NS	NS	NS	NS	NS	**0.0011**	<0.0005	<0.0005	-
	11/25/2008	NA	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
	2/27/2009	NA	NS	NS	NS	NS	NS	**0.0004**	<0.0005	<0.0005	-
	5/26/2009	**7.5**	NS	NS	NS	NS	NS	**0.0006J-**	<0.0005	<0.0005	-
	8/10/2009	NA	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
Pre Ion Exchange[2]	8/28/2001	NS	NS	**18.9**	**0.404**	**14.0**	NS	< 0.0005	< 0.0005	< 0.0005	-
	11/14/2001	**7.8**	NS	**19.1**	**0.515**	**12.6**	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/19/2002	**8.1**	NS	**19.5**	**0.506**	**14.3**	NS	< 0.0005	< 0.0005	< 0.0005	-

TABLE 4-4

GROUNDWATER TREATMENT SYSTEM
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE MODESTO, CALIFORNIA

Sample Identification	Date	pH	TDS (mg/L)	U-234 (pCi/L)	U-235 (pCi/L)	U-238 (pCi/L)	Total U (pCi/L)	PCE (mg/L)	Toluene (mg/L)	TCE (mg/L)	Bioassay
Maximum Allowable Discharge Limit		5 - 12	NA	20	20	20	20	0.0005	0.150	NA	NA
	5/23/2002	8.0	NS	20.0	0.412	15.6	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/19/2002	8.3	NS	25.7	0.621	17.7	NS	< 0.0005	< 0.0005	< 0.0005	-
	11/18/2002	8.2	NS	22.4	0.523	17.2	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/20/2003	8.3	NS	27.3	1.550	21.2	NS	< 0.0005	< 0.0005	< 0.0005	
	5/29/2003	8.3	NS	25.7	1.650	17.9	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/28/2003	8.4	NS	26.8	1.390	19.3	NS	< 0.0005	< 0.0005	< 0.0005	-
	11/19/2003	8.1	NS	26.9	0.725	23.4	NS	< 0.0005	< 0.0005	< 0.0005	-
	2/26/2004	8.4	NS	NS	NS	NS	411.0	< 0.0005	< 0.0005	< 0.0005	
	5/20/2004	8.5	NS	23.8	0.621	18.3	NS	< 0.0005	< 0.0005	< 0.0005	-
	8/26/2004*	8.4	NS	NS	NS	NS	68.4	< 0.0005	< 0.0005	< 0.0005	-
	11/15/2006	8.2	NS	NS	NS	NS	46.8	0.0003 J	< 0.0005	< 0.0005	-
	2/13/2007	8.3	NS	NS	NS	NS	24.5 J-	< 0.0005	< 0.0005	< 0.0005	-
	4/16/2007 [c]	NS	NS	NS	NS	NS	NS	NS	NS	NS	-
	8/23/2007	7.6	NS	NS	NS	NS	NS	0.0002	< 0.0005	< 0.0005	-
	8/29/2007	7.6	NS	NS	NS	NS	54.2	NS	NS	NS	-
	11/28/2007	8.5	NS	NS	NS	NS	53.4	<0.0005	<0.0005	<0.0005	-
	2/25/2008	NA	NS	NS	NS	NS	56.5	<0.0005	<0.0005	<0.0005	-
	5/22/2008	NA	NS	NS	NS	NS	58.9	<0.0005	<0.0005	<0.0005	-
	8/20/2008	NA	NS	NS	NS	NS	79.9	<0.0005	<0.0005	<0.0005	-
	11/25/2008	NA	NS	NS	NS	NS	56.7	<0.0005	<0.0005	<0.0005	-
	2/27/2009	NA	NS	NS	NS	NS	62.3	<0.0005	<0.0005	<0.0005	-
	5/26/2009	7.50	NS	NS	NS	NS	54.0	0.0004J-	<0.0005	<0.0005	-
	8/10/2009	NA	NS	NS	NS	NS	NS	<0.0005	<0.0005	<0.0005	-
Ion Exchange Mid Bed[3]	8/28/2001	NS	NS	0.00826	0.00826	0.02480	NS	NS	NS	NS	-
	2/19/2002	8.1	NS	0.232	< 0.0434	0.304	NS	NS	NS	NS	-
	5/23/2002	8.0	NS	3.31	0.142	2.15	NS	NS	NS	NS	-
	8/19/2002	8.3	NS	8.01	0.288	5.72	NS	NS		NS	-
	11/18/2002	8.2	NS	6.84	0.225	4.71	NS	NS	NS	NS	-
	2/20/2003	8.3	NS	13.60	0.498	9.24	NS	NS	NS	NS	-
	5/29/2003	8.2	NS	16.3	0.849	12.0	NS	NS	NS	NS	-
	8/28/2003	8.4	NS	8.7	0.423	7.0	NS	NS	NS	NS	-
	11/19/2003	8.1	NS	18.3	0.871	15.1	NS	NS	NS	NS	-
	2/26/2004	8.4	NS	NS	NS	NS	24.5	NS	NS	NS	-
	5/20/2004	8.5	NS	18.9	0.590	14.0	NS	NS	NS	NS	-
	8/26/2004	8.4	NS	NS	NS	NS	19.8	NS	NS	NS	-
	8/26/2004*	8.3	NS	NS	NS	NS	6.05	NS	NS	NS	-
	11/15/2006	8.2	NS	NS	NS	NS	35.5	NS	NS	NS	-
	2/13/2007	8.4	NS	NS	NS	NS	42.7 J-	NS	NS	NS	-

TABLE 4-4

GROUNDWATER TREATMENT SYSTEM
ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE MODESTO, CALIFORNIA

Sample Identification	Date	pH	TDS (mg/L)	U-234 (pCi/L)	U-235 (pCi/L)	U-238 (pCi/L)	Total U (pCi/L)	PCE (mg/L)	Toluene (mg/L)	TCE (mg/L)	Bioassay
Maximum Allowable Discharge Limit		**5 - 12**	**NA**	**20**	**20**	**20**	**20**	**0.0005**	**0.150**	**NA**	**NA**
	4/16/2007 [c]	NS	NS	NS	NS	NS	NS	NS	NS	NS	-
	8/29/2007	**7.9**	NS	NS	NS	NS	**3.29**	NS	NS	NS	-
	11/28/2007	**8.4**	NS	NS	NS	NS	**4.07**	NS	NS	NS	-
	2/25/2008	NA	NS	NS	NS	NS	**15.50**	NS	NS	NS	-
	8/20/2008	NA	NS	NS	NS	NS	**42.6**	NS	NS	NS	-
	11/25/2008	NA	NS	NS	NS	NS	**35.7**	NS	NS	NS	-
	2/27/2009	NA	NS	NS	NS	NS	**42.7**	NS	NS	NS	-
	5/26/2009	NA	NS	NS	NS	NS	**47.0**	NS	NS	NS	-
	8/10/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	-

Notes:
(1) Analyzed for VOCs using USEPA Method 8260
(2) Analyzed for VOCs using USEPA Method 524.2
(3) Analyzed for uranium using USEPA Method 908.0
(4) Analyzed for TDS using USEPA Method 160.1
GWT effluent sampled for acute aquatic 96-hour toxicity test on September 16, 2001. No significant mortalities reported.
GWT effluent sampled for acute aquatic 96-hour toxicity test on July 19, 2001. No significant mortalities reported.
GWT effluent sampled for acute aquatic 96-hour toxicity test on October 17, 2001. No significant mortalities reported
GWT effluent sampled for semi-volatiles using USEPA Method 525 on 12 July 2001. No detections revealed.

(a) Was not discharged to City of Modesto Sanitary Sewer System
(b) Sample was analyzed out of holding time
(c) No sample collected 2Q07. System down for ion-exchange change-out.
(d) Total U sample collected on 6/17/2009.
* - System Start-up with new extraction well EW-1R
** - July 2007 System Start-up Samples/

GWT - Groundwater Treatment
PCE - Tetrachloroethene
TCE - Trichloroethene
TDS - Total Dissolved Solids
mg/L - milligrams per liter
B - Analyte Detected in trip blank or method blank
J - Estimated Value (J- = low bias)
NA - Not Applicable
NS - Not Sampled
NSM - Not Significant Mortalitites
R - Rejected
U - Uranium
VOCs - Volatile organic compounds
pCi/L - picoCuries per liter

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	SVE PRE GAC-060807	SVE Pre GAC-073107	SVE Pre GAC-082407	SVE Pre GAC-092407	SVE Pre GAC-102907	SVE Pre GAC-112807	SVE Pre GAC-122007	SVE Pre GAC-011708
Sample Date:	06/08/07	07/31/07	08/24/07	09/24/07	10/29/07	11/28/07	12/20/07	01/17/08
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**7**	< 2.2000	< 2.3000	**4.4**	**4.8**	**15**	**54**	< 1.7000
Trichloroethylene (TCE)	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
cis-1,2-Dichloroethylene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Dichlorodifluoromethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Chloroform	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,1,1-Trichloroethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,1,2,2-Tetrachloroethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,1,2-Trichloroethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,1-Dichloroethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,1-Dichloroethene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,2,4-Trichlorobenzene	**2.8**	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,2,4-Trimethylbenzene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,2-Dibromoethane (Ethylene dibromide)	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,2-Dichlorobenzene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,2-Dichloroethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,2-Dichloropropane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,3,5-Trimethylbenzene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,3-Dichlorobenzene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
1,4-Dichlorobenzene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
2-Butanone (MEK)		< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
4-Ethyltoluene		< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Acetone	**5.6**	**1.1**	**10**	**11**	**10**	**7.3**	< 24.0000	**7.2**
Benzene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Bromomethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Carbon disulfide		< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Carbon tetrachloride	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Chlorobenzene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Chloroethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Chloromethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
cis-1,3-Dichloropropene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Ethylbenzene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Hexachlorobutadiene	**3.7**	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
m,p-Xylene	< 4.4000	< 4.4000	< 4.6000	< 4.7000	< 4.7000	< 4.1000	< 47.0000	< 3.4000
Methylene chloride	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
o-Xylene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Styrene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Toluene	< 2.2000	< 2.2000	< 2.3000	**10**	**2**	< 2.0000	< 24.0000	**1**
trans-1,2-Dichloroethene		< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
trans-1,3-Dichloropropene	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Trichlorofluoromethane	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000
Vinyl chloride	< 2.2000	< 2.2000	< 2.3000	< 2.3000	< 2.3000	< 2.0000	< 24.0000	< 1.7000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	SVE Pre GAC-033108	SVE Pre GAC-042508	SVE Pre GAC-052208	SVE Pre GAC-062408	SVE Pre GAC-072408	SVE Pre GAC-082002	SVE Pre Gac-092508	SVE Pre GAC-111808 (RE)
Sample Date:	03/31/08	04/25/08	05/22/08	06/24/08	07/24/08	08/20/08	09/25/08	11/18/08
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**51**	**94**	**7700**	**900**	**630**	**430**	**270**	**4100**
Trichloroethylene (TCE)	< 1.0000	< 2.5000	**27**	**11**	**8.7**	**9.4**	**6**	**19**
cis-1,2-Dichloroethylene	< 1.0000	< 2.5000	**19**	**13**	**10**	**8.1**	**5.6**	**29**
Dichlorodifluoromethane	< 1.0000	< 2.5000	**2**	< 20.0000	**2.5**	**1.9**	**1.8**	< 22.0000
Chloroform	< 1.0000	< 2.5000	**16**	**34**	**37**	**33**	**29**	**62**
1,1,1-Trichloroethane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,1,2,2-Tetrachloroethane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,1,2-Trichloroethane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,1-Dichloroethane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,1-Dichloroethene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,2,4-Trichlorobenzene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,2,4-Trimethylbenzene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,2-Dibromoethane (Ethylene dibromide)	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,2-Dichlorobenzene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,2-Dichloroethane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,2-Dichloropropane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,3,5-Trimethylbenzene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,3-Dichlorobenzene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
1,4-Dichlorobenzene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
2-Butanone (MEK)								
4-Ethyltoluene								
Acetone								
Benzene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Bromomethane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Carbon disulfide								
Carbon tetrachloride	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Chlorobenzene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Chloroethane	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Chloromethane	**0.5**	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
cis-1,3-Dichloropropene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Ethylbenzene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Hexachlorobutadiene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
m,p-Xylene	**1.1**	< 4.9000	< 4.6000	< 40.0000	< 4.0000	< 4.3000	**2.3**	< 45.0000
Methylene chloride	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
o-Xylene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Styrene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Toluene	**8.6**	**1.4**	< 2.3000	< 20.0000	< 2.0000	< 2.1000	**2.4**	< 22.0000
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Trichlorofluoromethane	< 1.0000	**4.2**	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000
Vinyl chloride	< 1.0000	< 2.5000	< 2.3000	< 20.0000	< 2.0000	< 2.1000	< 1.9000	< 22.0000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	SVE Pre GAC-121008 (RE)	SVE Pre GAC-123008	SVE Pre GAC-013009	SVE Pre GAC-022709	SVE Pre GAC-031009	SVE Pre GAC-042309	SVE Pre GAC-052809	SVE Pre GAC-062909
Sample Date:	12/10/08	12/30/08	01/30/09	02/27/09	03/10/09	04/23/09	05/28/09	06/29/09
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**1100**	**1400**	**2.1**	**670**	**610**	**750**	**610**	**1200**
Trichloroethylene (TCE)	**6.1**		< 2.1000	**2.6**	**2.6 J**	**4.3**	**7.7**	**15**
cis-1,2-Dichloroethylene	**8**		< 2.1000	**2.7**	**2.7 J**	**5.4**	**10**	**12**
Dichlorodifluoromethane	**2.9**		< 2.1000	**2.7**	**2.6 J**	**1.9**	**3 J**	**2.2 J**
Chloroform	**45**		< 2.1000	**45**	**40**	**30**	**30**	**32**
1,1,1-Trichloroethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,1,2,2-Tetrachloroethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,1,2-Trichloroethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,1-Dichloroethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,1-Dichloroethene	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,2,4-Trichlorobenzene	< 3.9000		< 2.1000	< 2.2000	< 4.3000 UJ	< 1.9000	< 4.6000	< 2.7000
1,2,4-Trimethylbenzene	**25**		**1.4 J**	< 2.2000	< 4.3000	< 1.9000	< 4.6000	**6.9**
1,2-Dibromoethane (Ethylene dibromide)	**3**		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,2-Dichlorobenzene	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,2-Dichloroethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,2-Dichloropropane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,3,5-Trimethylbenzene	**13**		**1.1 J**	< 2.2000	< 4.3000	< 1.9000	< 4.6000	**4.4**
1,3-Dichlorobenzene	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
1,4-Dichlorobenzene	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
2-Butanone (MEK)								
4-Ethyltoluene								
Acetone								
Benzene	**3.3**		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
Bromomethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
Carbon disulfide								
Carbon tetrachloride	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
Chlorobenzene	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
Chloroethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
Chloromethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
cis-1,3-Dichloropropene	< 3.9000		< 2.1000	< 2.2000	< 4.3000	**2.1**	< 4.6000	< 2.7000
Ethylbenzene	**19**		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
Hexachlorobutadiene	< 3.9000		< 2.1000	< 2.2000	< 4.3000 UJ	< 1.9000	< 4.6000	< 2.7000 UJ
m,p-Xylene	**210**		< 4.2000	< 4.3000	< 8.6000	< 3.7000	< 9.2000	**11**
Methylene chloride	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	**1.5**
o-Xylene	**63**		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	**5.6**
Styrene	< 3.9000		< 2.1000 UJ	< 2.2000	< 4.3000	< 1.9000 UJ	< 4.6000 UJ	< 2.7000 UJ
Toluene	**140**		**1.8 J**	< 2.2000	< 4.3000	< 1.9000	< 4.6000	**2 J**
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
Trichlorofluoromethane	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000
Vinyl chloride	< 3.9000		< 2.1000	< 2.2000	< 4.3000	< 1.9000	< 4.6000	< 2.7000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	SVE Pre GAC-072909	SVE Pre GAC-081009	SVE Pre GAC-092209	SVE Stack-060807	SVE Stack-073107	SVE Stack-082407	SVE Stack-092407	SVE Stack-102907	SVE Stack-112807
Sample Date:	07/29/09	08/10/09	09/22/09	06/08/07	07/31/07	08/24/07	09/24/07	10/29/07	11/28/07
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**1200**	**1800**	**940**	< 2.4000	**4.5**	< 2.3000	**4.3**	< 2.3000	< 2.0000
Trichloroethylene (TCE)	**19**	**20**	**7.3**	< 2.4000	< 2.1000	< 2.3000	**4.6**	< 2.3000	< 2.0000
cis-1,2-Dichloroethylene	**10**	**11**	**3.3**	< 2.4000	< 2.1000	< 2.3000	**5**	< 2.3000	< 2.0000
Dichlorodifluoromethane	**2.1 J**	**2.2 J**	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**5**	< 2.3000	< 2.0000
Chloroform	**10**	**44**	**34**	< 2.4000	< 2.1000	< 2.3000	**5.8**	< 2.3000	< 2.0000
1,1,1-Trichloroethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**6.7**	< 2.3000	< 2.0000
1,1,2,2-Tetrachloroethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**1.9**	< 2.3000	< 2.0000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**6.1**	< 2.3000	< 2.0000
1,1,2-Trichloroethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**4.1**	< 2.3000	< 2.0000
1,1-Dichloroethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**5.5**	< 2.3000	< 2.0000
1,1-Dichloroethene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**6.3**	< 2.3000	< 2.0000
1,2,4-Trichlorobenzene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**1.7**	< 2.3000	< 2.0000
1,2,4-Trimethylbenzene	**2.7**	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**1.9**	< 2.3000	< 2.0000
1,2-Dibromoethane (Ethylene dibromide)	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**2.6**	< 2.3000	< 2.0000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**4.4**	< 2.3000	< 2.0000
1,2-Dichlorobenzene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**1.5**	< 2.3000	< 2.0000
1,2-Dichloroethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**6.6**	< 2.3000	< 2.0000
1,2-Dichloropropane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**5.1**	< 2.3000	< 2.0000
1,3,5-Trimethylbenzene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**2**	< 2.3000	< 2.0000
1,3-Dichlorobenzene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**1.6**	< 2.3000	< 2.0000
1,4-Dichlorobenzene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**1.5**	< 2.3000	< 2.0000
2-Butanone (MEK)					< 2.1000	< 2.3000	**2**	< 2.3000	< 2.0000
4-Ethyltoluene					< 2.1000	< 2.3000	< 1.0000	< 2.3000	< 2.0000
Acetone				**1.3**	**10**	**4.8**	**5.6**	**14**	**2.2**
Benzene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**5.4**	< 2.3000	< 2.0000
Bromomethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**5.2**	< 2.3000	< 2.0000
Carbon disulfide					< 2.1000	< 2.3000	< 1.0000	< 2.3000	< 2.0000
Carbon tetrachloride	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**6.7**	< 2.3000	< 2.0000
Chlorobenzene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**2.7**	< 2.3000	< 2.0000
Chloroethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**6.4**	< 2.3000	< 2.0000
Chloromethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**7.7**	< 2.3000	< 2.0000
cis-1,3-Dichloropropene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**3.9**	< 2.3000	< 2.0000
Ethylbenzene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**3.7**	< 2.3000	< 2.0000
Hexachlorobutadiene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**2.6**	< 2.3000	< 2.0000
m,p-Xylene	**4.5 J**	< 5.7000	< 4.6000	< 4.8000	< 4.1000	< 4.7000	**8**	< 4.5000	< 4.0000
Methylene chloride	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**6**	< 2.3000	< 2.0000
o-Xylene	**2.7**	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**3.1**	< 2.3000	< 2.0000
Styrene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**2**	< 2.3000	< 2.0000
Toluene	**5**	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**15**	< 2.3000	< 2.0000
trans-1,2-Dichloroethene					< 2.1000	< 2.3000	< 1.0000	< 2.3000	< 2.0000
trans-1,3-Dichloropropene	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**3.2**	< 2.3000	< 2.0000
Trichlorofluoromethane	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**7.8**	< 2.3000	< 2.0000
Vinyl chloride	< 2.4000	< 2.9000	< 2.3000	< 2.4000	< 2.1000	< 2.3000	**6.2**	< 2.3000	< 2.0000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	SVE Stack-122007	SVE Stack-011708	SVE Stack-032008	SVE Stack-033108	SVE Stack-042508	SVE Stack-052208	SVE Stack-062408	SVE Stack-072408	SVE Stack-082002
Sample Date:	12/20/07	01/17/08	03/20/08	03/31/08	04/25/08	05/22/08	06/24/08	07/24/08	08/20/08
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**17**	< 1.7000	< 2.5000	**0.7**	< 2.2000	< 2.3000	**3**	< 1.9000	**6.9**
Trichloroethylene (TCE)	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
cis-1,2-Dichloroethylene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Dichlorodifluoromethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	**1.6**	**1.5**	1.5
Chloroform	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1,1-Trichloroethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1,2,2-Tetrachloroethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1,2-Trichloroethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1-Dichloroethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1-Dichloroethene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2,4-Trichlorobenzene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2,4-Trimethylbenzene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dibromoethane (Ethylene dibromide)	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dichlorobenzene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dichloroethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dichloropropane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,3,5-Trimethylbenzene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,3-Dichlorobenzene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,4-Dichlorobenzene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
2-Butanone (MEK)	< 2.3000	< 1.7000							
4-Ethyltoluene	< 2.3000	< 1.7000							
Acetone	< 2.3000	< 1.7000							
Benzene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Bromomethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Carbon disulfide	< 2.3000	< 1.7000							
Carbon tetrachloride	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Chlorobenzene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Chloroethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Chloromethane	< 2.3000	< 1.7000	< 2.5000	**0.5**	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
cis-1,3-Dichloropropene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Ethylbenzene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Hexachlorobutadiene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
m,p-Xylene	< 4.6000	< 3.5000	< 4.9000	**1.2**	< 4.3000	< 4.6000	< 4.1000	< 3.8000	< 4.2000
Methylene chloride	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
o-Xylene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Styrene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Toluene	< 2.3000	< 1.7000	< 2.5000	**5.2**	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
trans-1,2-Dichloroethene	< 2.3000	< 1.7000							
trans-1,3-Dichloropropene	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Trichlorofluoromethane	< 2.3000	< 1.7000	< 2.5000	< 1.0000	**4.5**	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Vinyl chloride	< 2.3000	< 1.7000	< 2.5000	< 1.0000	< 2.2000	< 2.3000	< 2.0000	< 1.9000	< 2.1000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	SVE Stack-092508	SVE Stack-111808	SVE Stack-121008	SVE Stack-123008	SVE Stack-013009	SVE Stack-022709	SVE Stack-031009	SVE Stack-042309	SVE Stack-052809
Sample Date:	09/25/08	11/18/08	12/10/08	12/30/08	01/30/09	02/27/09	03/10/09	04/23/09	05/28/09
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**2.6**	< 2.4000	< 1.9000	< 1.9000	**2.7**	**2.4**	**4.4**	**11**	< 2.4000
Trichloroethylene (TCE)	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
cis-1,2-Dichloroethylene	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Dichlorodifluoromethane	**1.3**	< 2.4000	**1.3**	< 1.9000	< 2.0000	**1.6 J**	**2.6**	**1.6 J**	**1.8 J**
Chloroform	**1.4**	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	**2.7**	< 1.8000	< 2.4000
1,1,1-Trichloroethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,1,2,2-Tetrachloroethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,1,2-Trichloroethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,1-Dichloroethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,1-Dichloroethene	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,2,4-Trichlorobenzene	**1.6**	< 2.4000	< 1.9000	< 1.9000	< 2.0000 UJ	< 2.2000	< 2.2000 UJ	< 1.8000	< 2.4000
1,2,4-Trimethylbenzene	< 2.0000	< 2.4000	**38**	**2**	**2**	< 2.2000	< 2.2000	< 1.8000	**4.5**
1,2-Dibromoethane (Ethylene dibromide)	< 2.0000	< 2.4000	**9**	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,2-Dichlorobenzene	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,2-Dichloroethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,2-Dichloropropane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,3,5-Trimethylbenzene	< 2.0000	< 2.4000	**21**	**2.6**	**1.8 J**	< 2.2000	< 2.2000	< 1.8000	**2.6**
1,3-Dichlorobenzene	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
1,4-Dichlorobenzene	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
2-Butanone (MEK)									
4-Ethyltoluene									
Acetone									
Benzene	< 2.0000	< 2.4000	**9.4**	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Bromomethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Carbon disulfide									
Carbon tetrachloride	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Chlorobenzene	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Chloroethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Chloromethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
cis-1,3-Dichloropropene	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Ethylbenzene	< 2.0000	< 2.4000	**41**	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Hexachlorobutadiene	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000 UJ	< 2.2000	< 2.2000 UJ	< 1.8000	< 2.4000
m,p-Xylene	< 4.0000	< 4.7000	**420**	**6.6**	< 3.9000	< 4.3000	< 4.4000	< 3.5000	**8.3**
Methylene chloride	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
o-Xylene	< 2.0000	< 2.4000	**110**	**3.3**	< 2.0000	< 2.2000	< 2.2000	< 1.8000	**3.8**
Styrene	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000 UJ	< 2.2000	< 2.2000	< 1.8000 UJ	< 2.4000 UJ
Toluene	< 2.0000	< 2.4000	**210**	< 1.9000	**3.1**	< 2.2000	< 2.2000	**2.7**	**1.8 J**
trans-1,2-Dichloroethene									
trans-1,3-Dichloropropene	< 2.0000	< 2.4000	< 1.9000	< 3.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Trichlorofluoromethane	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000
Vinyl chloride	< 2.0000	< 2.4000	< 1.9000	< 1.9000	< 2.0000	< 2.2000	< 2.2000	< 1.8000	< 2.4000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	SVE Stack-062909	SVE Stack-072909	SVE Stack-081009	SVE Stack-092209	GWT Pre GAC-092407	GWT Pre GAC-102907	GWT Pre GAC-120607	GWT Pre GAC-122007
Sample Date:	06/29/09	07/29/09	08/10/09	09/22/09	09/24/07	10/29/07	12/06/07	12/20/07
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	< 3.0000	**2.3**	**3**	< 2.1000	**550**	**450**	< 2.0000	**390**
Trichloroethylene (TCE)	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
cis-1,2-Dichloroethylene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Dichlorodifluoromethane	< 3.0000	**2 J**	**2.2 J**	**1.8 J**	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Chloroform	< 3.0000	**1.5**	**3.9**	**5.5**	**8.8**	**13**	< 2.0000	< 21.0000
1,1,1-Trichloroethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,1,2,2-Tetrachloroethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,1,2-Trichloroethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,1-Dichloroethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,1-Dichloroethene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,2,4-Trichlorobenzene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,2,4-Trimethylbenzene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,2-Dibromoethane (Ethylene dibromide)	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,2-Dichlorobenzene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,2-Dichloroethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,2-Dichloropropane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,3,5-Trimethylbenzene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,3-Dichlorobenzene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
1,4-Dichlorobenzene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
2-Butanone (MEK)					**1.9**	< 2.2000	< 2.0000	< 21.0000
4-Ethyltoluene					< 2.4000	< 2.2000	< 2.0000	< 21.0000
Acetone					**5.9**	**1.9**	**4**	< 21.0000
Benzene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Bromomethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Carbon disulfide					< 2.4000	< 2.2000	< 2.0000	< 21.0000
Carbon tetrachloride	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Chlorobenzene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Chloroethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Chloromethane	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
cis-1,3-Dichloropropene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Ethylbenzene	< 3.0000 UJ	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Hexachlorobutadiene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
m,p-Xylene	< 5.9000	< 4.5000	< 5.1000	< 4.3000	< 4.8000	< 4.4000	< 4.0000	< 42.0000
Methylene chloride	< 3.0000	**3.1**	**1.3 J**	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
o-Xylene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Styrene	< 3.0000 UJ	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Toluene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	**8.2**	**1.2**	**6.2**	< 21.0000
trans-1,2-Dichloroethene					< 2.4000	< 2.2000	< 2.0000	< 21.0000
trans-1,3-Dichloropropene	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Trichlorofluoromethane	< 3.0000	< 2.2000	< 2.6000	**1.2 J**	< 2.4000	< 2.2000	< 2.0000	< 21.0000
Vinyl chloride	< 3.0000	< 2.2000	< 2.6000	< 2.1000	< 2.4000	< 2.2000	< 2.0000	< 21.0000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	GWT Pre GAC-011708	GWT Pre GAC-022508	GWT Pre GAC-033108	GWT Pre GAC-042508	GWT Pre GAC-052208	GWT Pre GAC-062408	GWT Pre GAC-072408	GWT Pre GAC-082008
Sample Date:	01/17/08	02/25/08	03/31/08	04/25/08	05/22/08	06/24/08	07/24/08	08/20/08
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**420**	**200**	**22**	**360**	**110**	**65**	**450**	**370**
Trichloroethylene (TCE)	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
cis-1,2-Dichloroethylene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Dichlorodifluoromethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Chloroform	**9.5**	**4.7**	< 1.7000	**9.5**	**11**	**10**	**12**	**12**
1,1,1-Trichloroethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1,2,2-Tetrachloroethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1,2-Trichloroethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1-Dichloroethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,1-Dichloroethene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2,4-Trichlorobenzene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2,4-Trimethylbenzene	< 16.0000	**2.2**	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dibromoethane (Ethylene dibromide)	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dichlorobenzene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dichloroethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,2-Dichloropropane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,3,5-Trimethylbenzene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,3-Dichlorobenzene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
1,4-Dichlorobenzene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
2-Butanone (MEK)	**13**							
4-Ethyltoluene	< 16.0000							
Acetone	< 16.0000							
Benzene	< 16.0000	**6.2**	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Bromomethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Carbon disulfide	< 16.0000							
Carbon tetrachloride	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Chlorobenzene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Chloroethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Chloromethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
cis-1,3-Dichloropropene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Ethylbenzene	< 16.0000	**2.8**	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Hexachlorobutadiene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
m,p-Xylene	< 32.0000	**10**	< 3.5000	< 5.3000	< 4.7000	< 3.9000	< 3.8000	< 4.2000
Methylene chloride	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
o-Xylene	< 16.0000	**3**	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Styrene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Toluene	< 16.0000	**21**	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
trans-1,2-Dichloroethene	< 16.0000							
trans-1,3-Dichloropropene	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Trichlorofluoromethane	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000
Vinyl chloride	< 16.0000	< 1.9000	< 1.7000	< 2.6000	< 2.3000	< 2.0000	< 1.9000	< 2.1000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	GWT Pre GAC-092508	GWT Pre GAC-103008	GWT Pre GAC-112508	GWT Pre GAC-013009	GWT Pre GAC-022709	GWT Pre GAC-031009	GWT Pre GAC-042309	GWT Pre GAC-052609
Sample Date:	09/25/08	10/30/08	11/25/08	01/30/09	02/27/09	03/10/09	04/23/09	05/26/09
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**160**	**450**	**390**	**380**	**300**	**460**	**560**	**35**
Trichloroethylene (TCE)	< 2.0000	**1.6**	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
cis-1,2-Dichloroethylene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Dichlorodifluoromethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Chloroform	**12**	**12**	**9.9**	**10**	**11**	**10**	**10**	< 2.4000
1,1,1-Trichloroethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,1,2,2-Tetrachloroethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,1,2-Trichloroethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,1-Dichloroethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,1-Dichloroethene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,2,4-Trichlorobenzene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000 UJ	< 1.8000	< 2.4000
1,2,4-Trimethylbenzene	< 2.0000	< 2.2000	< 1.8000	**3.1**	< 2.2000	< 2.1000	< 1.8000	**2.8**
1,2-Dibromoethane (Ethylene dibromide)	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,2-Dichlorobenzene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,2-Dichloroethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,2-Dichloropropane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,3,5-Trimethylbenzene	< 2.0000	< 2.2000	< 1.8000	**3.1**	< 2.2000	< 2.1000	< 1.8000	**1.7 J**
1,3-Dichlorobenzene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
1,4-Dichlorobenzene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
2-Butanone (MEK)								
4-Ethyltoluene								
Acetone								
Benzene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Bromomethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Carbon disulfide								
Carbon tetrachloride	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Chlorobenzene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Chloroethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Chloromethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
cis-1,3-Dichloropropene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Ethylbenzene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Hexachlorobutadiene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000 UJ	< 1.8000	< 2.4000
m,p-Xylene	< 3.9000	< 4.5000	< 3.6000	< 3.7000	< 4.3000	< 4.3000	< 3.5000	**4.2 J**
Methylene chloride	< 2.0000	< 2.2000	**1.3**	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
o-Xylene	< 2.0000	< 2.2000	< 1.8000	**1.J**	< 2.2000	< 2.1000	< 1.8000	**2.1 J**
Styrene	< 2.0000	< 2.2000	< 1.8000	< 1.8000 UJ	< 2.2000	< 2.1000	< 1.8000 UJ	< 2.4000 UJ
Toluene	< 2.0000	**2.9**	**0.9**	**1.9**	< 2.2000	< 2.1000	< 1.8000	< 2.4000
trans-1,2-Dichloroethene								
trans-1,3-Dichloropropene	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Trichlorofluoromethane	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000
Vinyl chloride	< 2.0000	< 2.2000	< 1.8000	< 1.8000	< 2.2000	< 2.1000	< 1.8000	< 2.4000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	GWT Pre GAC-062909	GWT Pre GAC-072909	GWT Pre GAC-081009	GWT Pre GAC-092209	GWT Stack-073107	GWT Stack-082407	GWT Stack-092407	GWT Stack-102907
Sample Date:	06/29/09	07/29/09	08/10/09	09/22/09	07/31/07	08/24/07	09/24/07	10/29/07
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**390**	**490**	**480**	**280**	**400**	< 2.3000	**510**	**460**
Trichloroethylene (TCE)	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
cis-1,2-Dichloroethylene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Dichlorodifluoromethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Chloroform	**7.2**	**9.7**	**11**	**11**	**8.9**	< 2.3000	**12**	**12**
1,1,1-Trichloroethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,1,2,2-Tetrachloroethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,1,2-Trichloroethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,1-Dichloroethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,1-Dichloroethene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,2,4-Trichlorobenzene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	**2.4**	< 2.2000
1,2,4-Trimethylbenzene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,2-Dibromoethane (Ethylene dibromide)	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,2-Dichlorobenzene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,2-Dichloroethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,2-Dichloropropane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,3,5-Trimethylbenzene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,3-Dichlorobenzene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
1,4-Dichlorobenzene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
2-Butanone (MEK)					< 4.8000	< 2.3000	< 2.4000	< 2.2000
4-Ethyltoluene					< 4.8000	< 2.3000	< 2.4000	< 2.2000
Acetone					**7.6**	**7.9**	**1.2**	**10**
Benzene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Bromomethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Carbon disulfide					< 4.8000	< 2.3000	< 2.4000	< 2.2000
Carbon tetrachloride	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Chlorobenzene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Chloroethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Chloromethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
cis-1,3-Dichloropropene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Ethylbenzene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Hexachlorobutadiene	< 2.6000 UJ	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	**2.8**	< 2.2000
m,p-Xylene	< 5.3000	< 5.3000	< 4.9000	< 4.3000	< 9.6000	< 4.7000	< 4.7000	< 4.3000
Methylene chloride	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
o-Xylene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Styrene	< 2.6000 UJ	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Toluene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	**1.1**
trans-1,2-Dichloroethene					< 4.8000	< 2.3000	< 2.4000	< 2.2000
trans-1,3-Dichloropropene	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Trichlorofluoromethane	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000
Vinyl chloride	< 2.6000	< 2.7000	< 2.4000	< 2.2000	< 4.8000	< 2.3000	< 2.4000	< 2.2000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	GWT Stack-112807	GWT Stack-120607	GWT Stack-122007	GWT Stack-011708	GWT Stack-022508	GWT Stack-033108	GWT Stack-042508	GWT Stack-052208	GWT Stack-062408
Sample Date:	11/28/07	12/06/07	12/20/07	01/17/08	02/25/08	03/31/08	04/25/08	05/22/08	06/24/08
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**8**	< 2.1000	**3**	**1.7**	**12**	**27**	**73**	**330**	**460**
Trichloroethylene (TCE)	**3.6**	< 2.1000	< 2.2000	< 1.6000	**3.5**	< 1.0000	< 2.1000	< 2.4000	< 20.0000
cis-1,2-Dichloroethylene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Dichlorodifluoromethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Chloroform	< 2.0000	< 2.1000	**3.6**	**9.3**	**9.6**	**9.7**	**10**	**8.8**	**11**
1,1,1-Trichloroethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,1,2,2-Tetrachloroethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,1,2-Trichloroethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,1-Dichloroethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,1-Dichloroethene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,2,4-Trichlorobenzene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,2,4-Trimethylbenzene	< 2.0000	< 2.1000	**1.1**	< 1.6000	**1**	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,2-Dibromoethane (Ethylene dibromide)	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,2-Dichlorobenzene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,2-Dichloroethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,2-Dichloropropane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,3,5-Trimethylbenzene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,3-Dichlorobenzene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
1,4-Dichlorobenzene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
2-Butanone (MEK)	< 2.0000	< 2.1000	< 2.2000	**4.2**					
4-Ethyltoluene	< 2.0000	< 2.1000	< 2.2000	< 1.6000					
Acetone	**4.2**	**4.9**	**2.4**	**2.6**					
Benzene	< 2.0000	< 2.1000	**1.2**	< 1.6000	**1.5**	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Bromomethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Carbon disulfide	< 2.0000	< 2.1000	< 2.2000	< 1.6000					
Carbon tetrachloride	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Chlorobenzene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Chloroethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Chloromethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	**0.6**	< 2.1000	< 2.4000	< 20.0000
cis-1,3-Dichloropropene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Ethylbenzene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	**1.1**	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Hexachlorobutadiene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
m,p-Xylene	< 4.0000	< 4.2000	< 4.4000	< 3.1000	**4.5**	< 2.0000	< 4.2000	< 4.8000	< 40.0000
Methylene chloride	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
o-Xylene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	**1.1**	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Styrene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Toluene	< 2.0000	**6.6**	< 2.2000	**1.1**	**8.1**	**1.3**	< 2.1000	< 2.4000	< 20.0000
trans-1,2-Dichloroethene	< 2.0000	< 2.1000	< 2.2000	< 1.6000					
trans-1,3-Dichloropropene	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000
Trichlorofluoromethane	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	**25**	< 2.4000	< 20.0000
Vinyl chloride	< 2.0000	< 2.1000	< 2.2000	< 1.6000	< 1.8000	< 1.0000	< 2.1000	< 2.4000	< 20.0000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	GWT Stack-072408	GWT Stack-082002	GWT Stack-092508	GWT Stack-103008	GWT Stack-112508	GWT Stack-013009	GWT Stack-022709	GWT Stack-031009	GWT Stack-042309
Sample Date:	07/24/08	08/20/08	09/25/08	10/30/08	11/25/08	01/30/09	02/27/09	03/10/09	04/23/09
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**34**	**32**	**27**	**43**	**98**	**560**	**310**	**430**	**410**
Trichloroethylene (TCE)	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
cis-1,2-Dichloroethylene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Dichlorodifluoromethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Chloroform	**13**	**14**	**13**	**7.2**	**9.5**	**11**	**11**	**11**	**7.7**
1,1,1-Trichloroethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,1,2,2-Tetrachloroethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,1,2-Trichloroethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,1-Dichloroethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,1-Dichloroethene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,2,4-Trichlorobenzene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000 UJ	< 2.1000	< 2.2000 UJ	< 2.3000
1,2,4-Trimethylbenzene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	**1.6 J**	< 2.1000	< 2.2000	< 2.3000
1,2-Dibromoethane (Ethylene dibromide)	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,2-Dichlorobenzene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,2-Dichloroethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,2-Dichloropropane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,3,5-Trimethylbenzene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	**1.8 J**	< 2.1000	< 2.2000	< 2.3000
1,3-Dichlorobenzene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
1,4-Dichlorobenzene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
2-Butanone (MEK)									
4-Ethyltoluene									
Acetone									
Benzene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Bromomethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Carbon disulfide									
Carbon tetrachloride	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Chlorobenzene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Chloroethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Chloromethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
cis-1,3-Dichloropropene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Ethylbenzene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Hexachlorobutadiene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000 UJ	< 2.1000	< 2.2000 UJ	< 2.3000
m,p-Xylene	< 3.8000	< 4.2000	< 3.8000	< 3.9000	< 4.1000	< 4.4000	< 4.2000	< 4.3000	**2.4 J**
Methylene chloride	< 1.9000	< 2.1000	< 1.9000	< 2.0000	**2.6**	< 2.2000	< 2.1000	< 2.2000	< 2.3000
o-Xylene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Styrene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000 UJ	< 2.1000	< 2.2000	< 2.3000 UJ
Toluene	< 1.9000	**1.9**	**2.3**	**1.2**	< 2.1000	< 2.2000	< 2.1000	< 2.2000	**3.1**
trans-1,2-Dichloroethene									
trans-1,3-Dichloropropene	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Trichlorofluoromethane	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000
Vinyl chloride	< 1.9000	< 2.1000	< 1.9000	< 2.0000	< 2.1000	< 2.2000	< 2.1000	< 2.2000	< 2.3000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	GWT Stack-052609	GWT Stack-062909	GWT Stack-072909	GWT Stack-081009	GWT Stack-092209	DP-1D-031009	DP-1S-031009	DP-5D-031009	DP-5S-031009	DP-6D-031009	DP-6S-031009
Sample Date:	05/26/09	06/29/09	07/29/09	08/10/09	09/22/09	03/10/09	03/10/09	03/10/09	03/10/09	03/10/09	03/10/09
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**480**	**280**	**310**	**370**	**210**	**190**	**570**	**60**	**730**	**160**	
Trichloroethylene (TCE)	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	**2.1 J**	< 2.4000	< 2.1000	**6.5**	< 2.1000
cis-1,2-Dichloroethylene	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Dichlorodifluoromethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	**2.2**	< 2.1000
Chloroform	**7.5**	**7.2**	**8.9**	**9**	**7.6**	< 2.2000	< 2.2000	**53**	< 2.1000	**43**	< 2.1000
1,1,1-Trichloroethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,1,2,2-Tetrachloroethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,1,2-Trichloroethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,1-Dichloroethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,1-Dichloroethene	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,2,4-Trichlorobenzene	**1.3 J**	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,2,4-Trimethylbenzene	**10**	**1.4 J**	< 2.9000	< 2.9000	**1.2 J**	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,2-Dibromoethane (Ethylene dibromide)	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,2-Dichlorobenzene	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,2-Dichloroethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,2-Dichloropropane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,3,5-Trimethylbenzene	**6.3**	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,3-Dichlorobenzene	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
1,4-Dichlorobenzene	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
2-Butanone (MEK)											
4-Ethyltoluene											
Acetone											
Benzene	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Bromomethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Carbon disulfide											
Carbon tetrachloride	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Chlorobenzene	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Chloroethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Chloromethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
cis-1,3-Dichloropropene	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Ethylbenzene	**2.4 J**	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Hexachlorobutadiene	**1.6 J**	< 2.8000 UJ	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
m,p-Xylene	**19**	< 5.5000	< 5.8000	< 5.8000	< 4.3000	< 4.4000	< 4.4000	< 4.8000	< 4.1000	< 4.2000	< 4.2000
Methylene chloride	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
o-Xylene	**8.6**	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Styrene	< 2.5000 UJ	< 2.8000 UJ	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Toluene	**3.5**	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
trans-1,2-Dichloroethene											
trans-1,3-Dichloropropene	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Trichlorofluoromethane	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000
Vinyl chloride	< 2.5000	< 2.8000	< 2.9000	< 2.9000	< 2.2000	< 2.2000	< 2.2000	< 2.4000	< 2.1000	< 2.1000	< 2.1000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	DP-6S-111108	SVE-2-111108	SVE-2-111808	SVE-2-121008	SVE-2-123008	SVE-2-013009	SVE-2-031009	SVE-2-052809	SVE-2-081009	SVE-3-121008	SVE-3-123008	SVE-3-013009	SVE-3-031009
Sample Date:	11/11/08	11/11/08	11/18/08	12/10/08	12/30/08	01/30/09	03/10/09	05/28/09	08/10/09	12/10/08	12/30/08	01/30/09	03/10/09
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**870**	**14000**	**13000**	**3200**	**4100**	**4700**	**980**	**1500**	**5700**	**810**	**1600**	**980**	**30**
Trichloroethylene (TCE)	**3.9**	**210**	**55 J+**	**16**	**10**	**23**	**9.6**	**17**	**62**	**6.5 J**	**4.3 J**	**3.5**	< 2.1000
cis-1,2-Dichloroethylene	< 1.9000	**270**	**110**	**31**	**38**	**24**	**15**	**30**	**36**	< 7.7000	< 7.2000	**2**	< 2.1000
Dichlorodifluoromethane	**1.1 J+**	**1.1 J+**	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
Chloroform	**10**	**3.7**	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	**5.7 J**	**6.4 J**	**2.1**	< 2.1000
1,1,1-Trichloroethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,1,2,2-Tetrachloroethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,1,2-Trichloroethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,1-Dichloroethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,1-Dichloroethene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,2,4-Trichlorobenzene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,2,4-Trimethylbenzene	< 1.9000	< 1.9000	< 21.0000	**14**	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	**40**	< 7.2000	< 2.0000	< 2.1000
1,2-Dibromoethane (Ethylene dibromide)	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	**4.2 J**	< 7.2000	< 2.0000	< 2.1000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,2-Dichlorobenzene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,2-Dichloroethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,2-Dichloropropane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,3,5-Trimethylbenzene	< 1.9000	< 1.9000	< 21.0000	**6.6**	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	**21**	< 7.2000	< 2.0000	< 2.1000
1,3-Dichlorobenzene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
1,4-Dichlorobenzene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
2-Butanone (MEK)													
4-Ethyltoluene													
Acetone													
Benzene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
Bromomethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
Carbon disulfide													
Carbon tetrachloride	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
Chlorobenzene	< 1.9000	**1.4 J**	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
Chloroethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
Chloromethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
cis-1,3-Dichloropropene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
Ethylbenzene	< 1.9000	< 1.9000	< 21.0000	5.1	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	31	< 7.2000	< 2.0000	< 2.1000
Hexachlorobutadiene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
m,p-Xylene	< 3.8000	< 3.8000	< 43.0000	57	< 14.0000	< 27.0000	< 4.3000	< 23.0000	< 25.0000	120	< 14.0000	< 4.0000	< 4.3000
Methylene chloride	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
o-Xylene	< 1.9000	< 1.9000	< 21.0000	19	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	98	< 7.2000	< 2.0000	< 2.1000
Styrene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000 UJ	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
Toluene	**1.1 J**	1	< 21.0000	20	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	93	< 7.2000	< 2.0000	< 2.1000
trans-1,2-Dichloroethene													
trans-1,3-Dichloropropene	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 14.0000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 14.0000	< 2.0000	< 2.1000
Trichlorofluoromethane	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000
Vinyl chloride	< 1.9000	< 1.9000	< 21.0000	< 7.7000	< 7.2000	< 13.0000	< 2.1000	< 11.0000	< 13.0000	< 7.7000	< 7.2000	< 2.0000	< 2.1000

TABLE 4-5

SVE AND GWT VAPOR ANALYTICAL SUMMARY RESULTS
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Sample ID:	SVE-3-052809	SVE-3-081009	SVE-4-111808	SVE-4-121008	SVE-4-123008	SVE-4-013009	SVE-4-031009	SVE-4-052809	SVE-4-081009	OSVE-10-031009	OSVE-11-031009
Sample Date:	05/28/09	08/10/09	11/18/08	12/10/08	12/30/08	01/30/09	03/10/09	05/28/09	08/10/09	03/10/09	03/10/09
Units:	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV	PPBV
Tetrachloroethylene (PCE)	**620**	**88**	**890**	**350**	**390**	**330**	**290**	**180**	**140**	**450.00**	**27,000.00**
Trichloroethylene (TCE)	**7.4**	< 2.5000	< 8.6000	**1.1 J**	< 1.8000	**2.7**	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
cis-1,2-Dichloroethylene	**2.7 J**	< 2.5000	< 8.6000	< 2.0000	< 1.8000	**3.8**	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Dichlorodifluoromethane	**2.9 J**	< 2.5000	**6 J**	**4.4**	**4**	**3.4**	**4.8**	**4.9**	**2.7**	< 2.1000	< 21.0000
Chloroform	**2.8 J**	< 2.5000	**140**	**130**	**110**	**87**	**95**	**80**	**67**	< 2.1000	< 21.0000
1,1,1-Trichloroethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,1,2,2-Tetrachloroethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,1,2-Trichloro-1,2,2-trifluoroethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,1,2-Trichloroethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,1-Dichloroethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,1-Dichloroethene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,2,4-Trichlorobenzene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,2,4-Trimethylbenzene	< 4.6000	< 2.5000	< 8.6000	**17**	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,2-Dibromoethane (Ethylene dibromide)	< 4.6000	< 2.5000	< 8.6000	**1.2 J**	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,2-Dichloro-1,1,2,2-trifluoroethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,2-Dichlorobenzene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,2-Dichloroethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,2-Dichloropropane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,3,5-Trimethylbenzene	< 4.6000	< 2.5000	< 8.6000	**8.2**	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,3-Dichlorobenzene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
1,4-Dichlorobenzene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
2-Butanone (MEK)											
4-Ethyltoluene											
Acetone											
Benzene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Bromomethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Carbon disulfide											
Carbon tetrachloride	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Chlorobenzene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Chloroethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Chloromethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
cis-1,3-Dichloropropene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Ethylbenzene	< 4.6000	< 2.5000	< 8.6000	**9.6**	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Hexachlorobutadiene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
m,p-Xylene	< 9.2000	< 5.0000	< 17.0000	**67**	< 3.6000	< 4.0000	< 4.2000	< 4.6000	< 5.1000	< 4.2000	< 42.0000
Methylene chloride	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
o-Xylene	< 4.6000	< 2.5000	< 8.6000	**31**	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Styrene	< 4.6000 UJ	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000 UJ	< 2.6000	< 2.1000	< 21.0000
Toluene	< 4.6000	< 2.5000	< 8.6000	**52**	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	**1.3 J**	< 21.0000
trans-1,2-Dichloroethene											
trans-1,3-Dichloropropene	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 3.6000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Trichlorofluoromethane	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000
Vinyl chloride	< 4.6000	< 2.5000	< 8.6000	< 2.0000	< 1.8000	< 2.0000	< 2.1000	< 2.3000	< 2.6000	< 2.1000	< 21.0000

TABLE 4-6

PCE MASS REMOVED BY GROUNDWATER TREATMENT SYSTEM
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

(Page 1 of 2)

Date	Incremental Volume of Water Treated (gallons)	Total Volume of Water Treated (gallons)	Average Influent PCE concentration (µg/L)	Incremental Mass of PCE Removed (lbs)	Cumulative Mass Total PCE Removed (lbs)
8/28/2001	701,200	701,200	1665	9.74	9.74
9/21/2001	673,100	1,374,300	550	3.09	12.83
10/17/2001	1,842,900	3,217,200	830	12.77	25.60
11/13/2001	1,208,800	4,426,000	835	8.42	34.02
12/13/2001	2,126,600	6,552,600	745	13.22	47.25
1/16/2002	1,992,550	8,545,150	730	12.14	59.39
2/19/2002	2,435,550	10,980,700	785	15.96	75.34
3/21/2002	2,144,100	13,124,800	570.5	10.21	85.55
4/17/2002	1,908,400	15,033,200	505.5	8.05	93.60
5/23/2002	2,543,200	17,576,400	795	16.87	110.48
6/20/2002	1,699,600	19,276,000	815	11.56	122.04
7/18/2002	1,989,500	21,265,500	675	11.21	133.25
8/19/2002	2,289,500	23,555,000	615	11.75	145.00
9/26/2002	2,659,200	26,214,200	615	13.65	158.65
10/24/2002	1,769,600	27,983,800	600	8.86	167.51
11/18/2002	1,764,700	29,748,500	565	8.32	175.83
12/18/2002	2,086,100	31,834,600	430	7.49	183.31
1/16/2003	1,503,500	33,338,100	345	4.33	187.64
2/20/2003	2,377,800	35,715,900	435	8.63	196.28
3/20/2003	1,877,700	37,593,600	490	7.68	203.96
4/30/2003	2,701,900	40,295,500	450	10.15	214.10
5/29/2003	1,794,800	42,090,300	340	5.09	219.20
6/26/2003	1,679,200	43,769,500	380	5.33	224.52
7/24/2003	1,470,800	45,240,300	500	6.14	230.66
8/28/2003	1,402,800	46,643,100	525	6.15	236.81
9/18/2003	902,600	47,545,700	545	4.11	240.91
10/23/2003	1,420,900	48,966,600	500	5.93	246.84
11/19/2003	962,500	49,929,100	420	3.37	250.21
12/18/2003	870,100	50,799,200	405	2.94	253.15
1/22/2004	1,210,000	52,009,200	385	3.89	257.04
2/26/2004	1,191,800	53,201,000	320	3.18	260.23
4/8/2004	431,700	53,632,700	260	0.94	261.16
4/22/2004	1,369,164	55,001,864	270	3.09	264.25
5/20/2004	1,844,450	56,846,313	330	3.77	268.02
6/23/2004	1,502,110	58,348,423	300	3.76	271.78
7/29/2004	2,355,600	60,704,023	300	5.90	277.68
8/26/2004	1,767,150	62,471,173	350	5.16	282.84
10/4/2004	1,931,540	64,402,713	340	5.48	288.32
10/21/2004	1,168,970	65,571,683	310	3.02	291.34
8/24/2006[a]	0	0	-	0.00	293.17
9/28/2006	1,460,060	67,784,613	432.5	5.27	298.44
10/24/2006	2,861,570	70,646,183	577	13.77	312.21
11/15/2006	2,370,250	73,016,433	537	10.62	322.83
12/27/2006	2,139,250	75,155,683	510	9.11	331.93
1/29/2007	2,365,450	77,521,133	456.7	9.02	340.95
2/28/2007	1,240,000	78,761,133	410.0	4.24	345.19

TABLE 4-6

PCE MASS REMOVED BY GROUNDWATER TREATMENT SYSTEM
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Date	Incremental Volume of Water Treated (gallons)	Total Volume of Water Treated (gallons)	Average Influent PCE concentration (µg/L)	Incremental Mass of PCE Removed (lbs)	Cumulative Mass Total PCE Removed (lbs)
3/26/2007	1,847,900	80,609,033	366.7	5.65	350.84
4/16/2007[b]	1,521,900	82,130,933	333.3	4.23	355.08
7/2/2007[c]	0	82,130,933	333.3	0.00	355.08
7/23/2007	1,281,000	83,411,933	310.0	3.31	358.39
8/23/2007	2,451,700	85,863,633	300.0	6.14	364.53
9/18/2007	1,554,100	87,417,733	313.3	4.06	368.60
10/29/2007	2,562,300	89,980,033	310.0	6.63	375.22
11/28/2007	1,285,700	91,265,733	316.7	3.40	378.62
12/20/2007	1,538,400	92,804,133	283.3	3.64	382.26
1/17/2008	2,473,700	95,277,833	270.0	5.57	387.83
2/25/2008	2,249,000	97,526,833	250.0	4.69	386.95
3/31/2008	2,318,700	99,845,533	256.7	4.97	391.92
4/25/2008	1,569,600	101,415,133	246.7	3.23	395.15
5/22/2008	1,761,600	103,176,733	256.7	3.77	398.92
6/24/2008	2,024,600	105,201,333	243.3	4.11	403.04
7/23/2008	2,905,200	108,106,533	253.3	6.14	409.18
8/28/2008	1,045,500	109,152,033	233.3	2.04	411.21
9/25/2008	1,148,600	110,300,633	203.3	1.95	413.16
10/30/2008	2,067,400	112,368,033	206.7	3.57	416.73
11/25/2008	1,437,600	113,805,633	203.3	2.44	419.17
12/30/2008	2,350,906	116,156,539	216.7	4.25	423.42
1/30/2009	2,004,294	118,160,833	196.7	3.29	426.71
2/24/2009	1,677,300	119,838,133	186.7	2.61	429.32
3/30/2009	2,266,700	122,104,833	180.0	3.41	432.73
4/23/2009	1,565,200	123,670,033	170.0	2.22	434.95
5/26/2009	2,045,500	125,715,533	170.0	2.90	437.85
6/29/2009	1,844,200	127,559,733	163.3	2.51	440.37
7/29/2009	1,952,600	129,512,333	173.3	2.82	443.19
8/10/2009	793,600	130,305,933	196.7	1.30	444.49
9/22/2009	2,874,700	133,180,633	203.3	4.88	449.37

Notes:

µg/L - micrograms per liter

lbs - pounds

PCE - Tetrachloroethene

[a]System start-up with the new replacement extraction well EW-1R on 24 August 2006. New baseline as of 24 August 2006 start-up: 14,720 gallons

[b]The system was shut off on 16 April 2007 to change out the resin in the Uranium ion exchange vessel.

[c]The system was restarted on 02 July 2007 after completion of the resin change out, no groundwater extraction occurred between 16 April and 02 July

TABLE 4-7

PCE MASS REMOVED BY SOIL VAPOR EXTRACTION SYSTEM
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

(Page 1 of 3)

Date Sampled	Cumulative Hours of Operation	Cumulative Days of Operation	Mass Extraction Rate (lbs/day)	Cumulative Mass Extracted (a) (lbs)
6/11/2001	5.8	0.2	53.0	12.70
8/9/2001	590.8	24.6	7.0	744.00
8/20/2001	854.8	35.6	6.4	817.63
8/30/2001	1,094.8	45.6	6.2	880.30
9/7/2001	1,286.8	53.6	3.9	920.57
9/12/2001	1,406.8	58.6	4.9	942.62
10/29/2001	1,920.0	80.0	7.9	1,079.84
11/13/2001	2,272.0	94.7	8.1	1,197.56
12/13/2001	2,787.8	116.2	6.0	1,348.99
1/16/2002	3,469.3	144.6	4.6	1,498.66
2/19/2002	4,283.8	178.5	6.1	1,679.54
3/21/2002	5,003.8	208.5	4.6	1,839.44
4/17/2002	5,603.8	233.5	4.0	1,946.39
5/23/2002	6,467.8	269.5	2.7	2,066.49
6/20/2002	7,039.0	293.3	3.7	2,142.61
7/18/2002	7,526.0	313.6	4.3	2,223.90
8/19/2002	8,294.0	345.6	4.7	2,367.84
9/19/2002	9,037.0	376.5	2.0	2,471.06
10/24/2002	9,839.6	410.0	2.3	2,542.57
11/18/2002	10,441.0	435.0	2.0	2,596.51
12/18/2002	11,167.0	465.3	1.6	2,650.80
1/16/2003	11,519.0	480.0	1.8	2,675.27
3/27/2003	12,578.0	524.1	1.6	2,748.88
4/30/2003	13,390.1	557.9	1.8	2,806.77
5/29/2003	14,037.2	584.9	1.7	2,854.55
6/26/2003	14,067.7	586.2	1.7	2,856.70
7/24/2003	14,737.8	614.1	1.5	2,901.48
8/28/2003	15,502.0	645.9	2.0	2,958.25
9/18/2003	15,980.8	665.9	1.9	2,997.31
10/23/2003	16,797.6	699.9	1.3	3,050.65
11/19/2003	17,448.4	727.0	1.3	3,085.25
12/18/2003	18,092.9	753.9	1.4	3,121.56
1/22/2004	18,688.3	778.7	1.1	3,153.22
2/26/2004	19,529.0	813.7	0.7	3,185.64
3/29/2004	20,245.3	843.6	1.4	3,217.84
4/22/2004	20,872.0	869.7	0.5	3,242.93

TABLE 4-7

PCE MASS REMOVED BY SOIL VAPOR EXTRACTION SYSTEM
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Date Sampled	Cumulative Hours of Operation	Cumulative Days of Operation	Mass Extraction Rate (lbs/day)	Cumulative Mass Extracted (a) (lbs)
5/20/2004	21,408.8	892.0	0.5	3,253.44
6/23/2004	22,174.7	923.9	0.6	3,269.99
7/29/2004	22,976.8	957.4	0.6	3,289.24
8/26/2004	23,644.1	985.2	0.5	3,303.77
9/30/2004	24,481.0	1020.0	0.4	3,319.59
10/21/2004	24,988.4	1041.2	0.5	3,329.59
11/18/2004	25,653.5	1068.9	0.3	3,341.19
12/16/2004	26,349.7	1097.9	0.3	3,350.62
1/19/2005	27,140.5	1130.9	0.2	3,359.30
2/24/2005	28,011.5	1167.1	0.2	3,366.49
3/22/2005	28,628.3	1192.8	0.2	3,371.23
4/26/2005	29,759.6	1240.0	0.2	3,379.36
5/25/2005	30,455.6	1269.0	0.07	3,382.64
6/22/2005	31,175.6	1299.0	0.13	3,385.63
7/20/2005	31,847.6	1327.0	0.13	3,389.39
8/24/2005	32,663.6	1361.0	0.07	3,392.81
9/21/2005	33,335.6	1389.0	0.09	3,394.98
10/18/2005	33,672.0	1403.0	0.13	3,396.49
11/16/2005	33,985.0	1416.0	0.08	3,397.84
1/6/2006	34,992.1	1458.0	0.06	3,399.62
1/31/2006	35,760.1	1490.0	0.06	3,401.52
2/22/2006	36,288.1	1512.0	0.04	3,402.03
3/29/2006	37,128.1	1547.0	0.01	3,402.92
4/20/2006	37,703.0	1571.0	0.04	3,403.50
5/25/2006	38,543.6	1606.0	0.02	3,404.62
6/29/2006	39,260.2	1635.8	0.05	3,405.63
7/28/2006	39,954.0	1664.8	0.03	3,406.78
8/31/2006	40,099.3	1670.8	0.06	3,407.06
9/28/2006	40,602.1	1691.8	0.03	3,407.94
10/30/2006	41,216.9	1717.4	0.02	3,408.57

TABLE 4-7

PCE MASS REMOVED BY SOIL VAPOR EXTRACTION SYSTEM
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

Date Sampled	Cumulative Hours of Operation	Cumulative Days of Operation	Mass Extraction Rate (lbs/day)	Cumulative Mass Extracted (a) (lbs)
11/27/2006	41,986.1	1749.4	0.04	3,409.58
4/25/2007	41,998.1	1749.9	0.05	3,409.60
6/8/2007	43,030.1	1792.9	0.003	3,410.65
6/26/2007	43,460.5	1810.9	0.00	3,410.68
7/18/2007	43,988.5	1832.9	0.00	3,410.68
8/24/2007	44,540.5	1855.9	0.00	3,410.68
9/24/2007	45,308.5	1887.9	0.00	3,410.69
10/29/2007	46,148.5	1922.9	0.001	3,410.71
11/28/2007	46,868.5	1952.9	0.000	3,410.73
12/20/2007	47,396.5	1974.9	0.001	3,410.75
1/17/2008	48,068.5	2002.9	0.000	3,410.76
2/25/2008	49,004.5	2041.9	0.000	3,410.76
3/31/2008	49,844.5	2076.9	0.001	3,410.77
4/25/2008	50,444.5	2101.9	0.001	3,410.80
5/22/2008	51,092.5	2128.9	0.001	3,410.82
6/24/2008	51,884.5	2161.9	0.012	3,411.03
7/16/2008	52,412.5	2183.9	0.047	3,411.67
8/20/2008	53,252.5	2218.9	0.032	3,413.06
9/25/2008	54,116.5	2254.9	0.019	3,413.98
11/18/2008	55,412.5	2308.9	0.038	3,415.50
12/10/2008	55,940.5	2330.9	0.012	3,416.04
12/30/2008	56,420.5	2350.9	0.001	3,416.16
1/30/2009	57,164.5	2381.9	0.000	3,416.18
2/27/2009	57,836.5	2409.9	0.050	3,416.89
3/10/2009	58,100.5	2420.9	0.057	3,417.48
4/23/2009	59,156.5	2464.9	0.088	3,420.68
5/28/2009	59,996.5	2499.9	0.067	3,423.39
6/29/2009	60,764.5	2531.9	0.122	3,426.40
7/29/2009	61,484.5	2561.9	0.122	3,430.06
8/10/2009	61,772.5	2573.9	0.184	3,431.90
9/22/2009	62,804.5	2616.9	0.097	3,437.94
TOTAL	**62,804.5**	**2,616.9**		**3,437.94**

Notes:

* System shut down Feb 08, 2008, back on Mar 03, 2008.

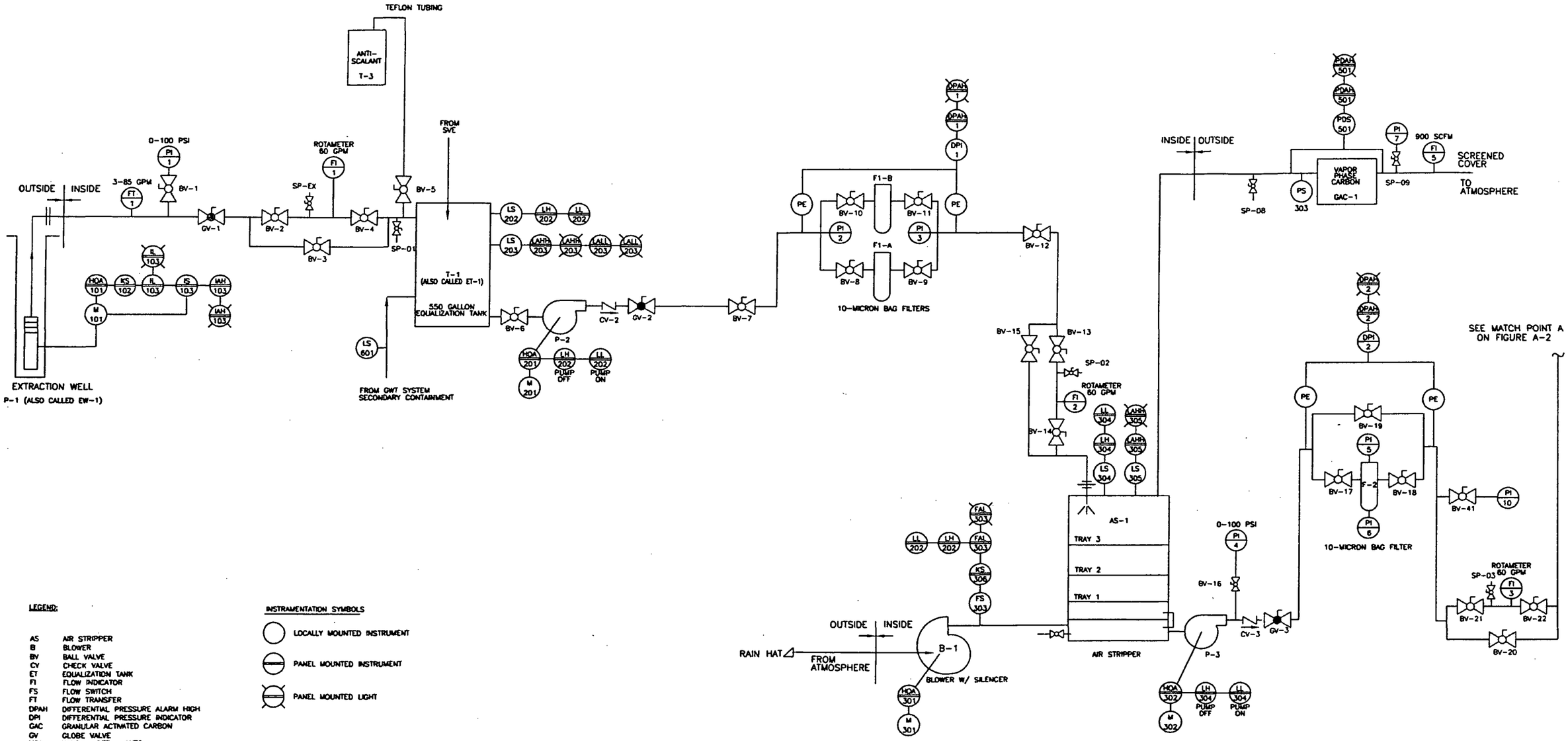
(a) Cumulative mass extracted was determined by multiplying the average mass extraction rate times the days of operation.

lbs - pounds

lbs/day - pounds per day

APPENDIX A

PROCESS AND INSTRUMENTATION DRAWINGS



LEGEND:

AS	AIR STRIPPER
B	BLOWER
BV	BALL VALVE
CV	CHECK VALVE
ET	EQUALIZATION TANK
FI	FLOW INDICATOR
FS	FLOW SWITCH
FT	FLOW TRANSFER
DPAH	DIFFERENTIAL PRESSURE ALARM HIGH
DPI	DIFFERENTIAL PRESSURE INDICATOR
GAC	GRANULAR ACTIVATED CARBON
GV	GLOBE VALVE
HOA	HAND - OFF - AUTO
IAH	ELECTRICAL CURRENT ALARM HIGH
IEX	ION EXCHANGE
IL	ELECTRICAL CURRENT LOW
IS	ELECTRICAL CURRENT SWITCH
KS	TIME SWITCH
LAHH	LEVEL ALARM HIGH HIGH
LH	LEVEL HIGH
LL	LEVEL LOW
LS	LEVEL SWITCHES
M	MOTOR
P	PUMP
PDAH	PRESSURE DIFFERENTIAL ALARM HIGH
PDS	PRESSURE DIFFERENTIAL SWITCHES
PE	PRESSURE ELEMENT
PI	PRESSURE INDICATOR
SP	SAMPLE PORT
T	TANKS

INSTRAMENTATION SYMBOLS

- LOCALLY MOUNTED INSTRUMENT
- PANEL MOUNTED INSTRUMENT
- PANEL MOUNTED LIGHT
- FLANGED GLOBE VALVE
- UNION
- BALL VALVE
- FLANGE
- SAMPLE PORT
- CHECK VALVE

MWH

DESIGNED BY: DIVERSIFIED REMEDIATION AND CONTROLS, INC.
DRAWN BY: J.BROWN
CHECKED BY:

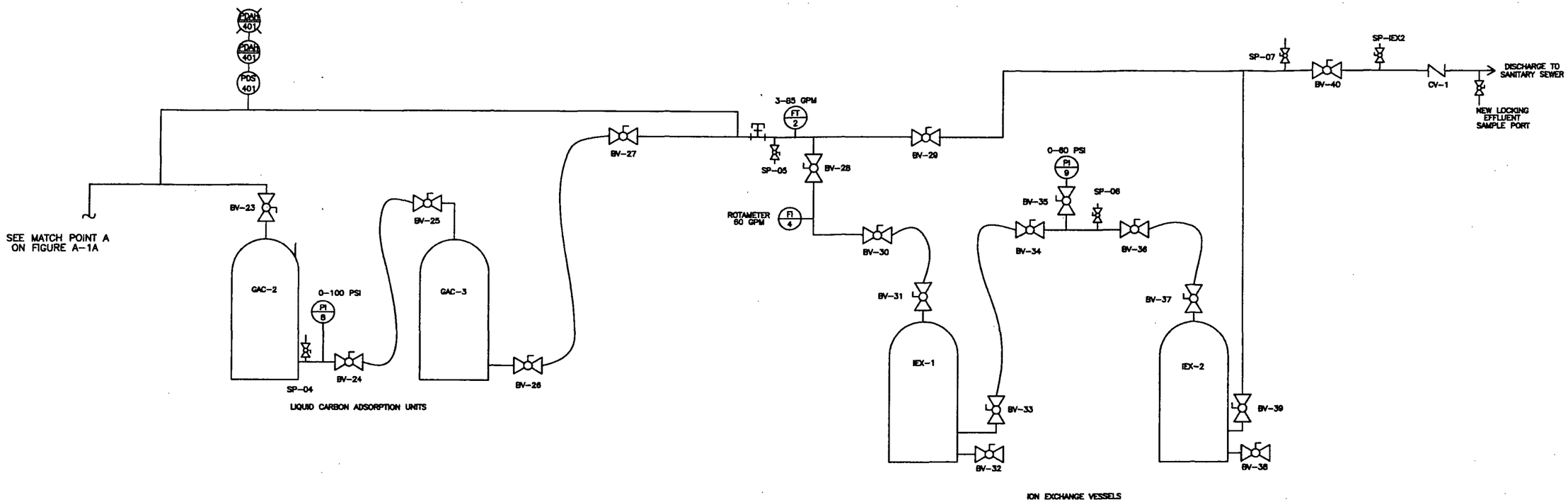
Modesto CALIFORNIA

MODESTO SUPERFUND SITE

GROUNDWATER TREATMENT P&ID
FIGURE A-1

SUBMITTED: CHIEF. SECTION
DATE APPROVED:
SCALE: DATE:
SPEC. No.: FILE No.:

G:\Projects\USACE\PRAC\Modesto Superfund Site\Quarterly Reports\Qtr\O&M Report Vol__11\Appendix A\GWTP FIGURE... 05/10/2004 11:21:22 AM, \\usscs1s-fto\SAC1-4\UST



LEGEND:

AS	AIR STRIPPER
B	BLOWER
BV	BALL VALVE
CV	CHECK VALVE
ET	EQUALIZATION TANK
FI	FLOW INDICATOR
FS	FLOW SWITCH
FT	FLOW TRANSFER
DPAH	DIFFERENTIAL PRESSURE ALARM HIGH
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IAH	ELECTRICAL CURRENT ALARM HIGH
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IL	ELECTRICAL CURRENT LOW
IS	ELECTRICAL CURRENT SWITCH
KS	TIME SWITCH
LAHH	LEVEL ALARM HIGH HIGH
LH	LEVEL HIGH
LL	LEVEL LOW
LS	LEVEL SWITCHES
M	MOTOR
P	PUMP
PDAH	PRESSURE DIFFERENTIAL ALARM HIGH
PDS	PRESSURE DIFFERENTIAL SWITCHES
PE	PRESSURE ELEMENT
PI	PRESSURE INDICATOR
SP	SAMPLE PORT
T	TANKS

INSTRAMENTATION SYBOLS

- LOCALLY MOUNTED INSTRUMENT
- PANEL MOUNTED INSTRUMENT
- PANEL MOUNTED LIGHT
- BALL VALVE
- SAMPLE PORT
- CHECK VALVE

MWH

DESIGNED BY: DIVERSIFIED REMEDIATION AND CONTROLS, INC.

DRAWN BY: J.BROOM

CHECKED BY:

Modesto CALIFORNIA

MODESTO SUPERFUND SITE

GROUNDWATER TREATMENT P&ID

FIGURE A-2

CHIEF, SECTION

DATE APPROVED

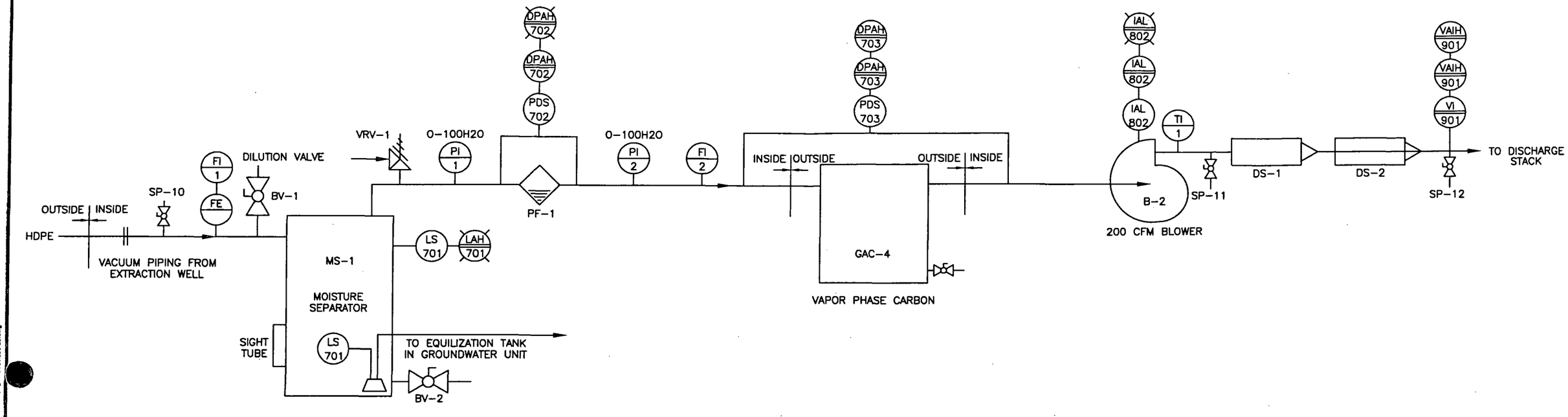
SCALE

DATE

DWG. No.

REV No.

\\Wuxec1s\FEDERAL GROUP\Projects\USACE\PRAC\Modesto Superfund Site\Quarterly Reports\Qtrl Report_Vol 10\GWTP FIGURE A-2 REV11204.DWG, 11/2/2004 9:47:18 AM, 1:1



KEY

A ALARM, ACTIVATED
B BALL, BLOWER
C CARBON, CONTROL
D DISCHARGE, DIFFERENTIAL
F FILTER, FLOW
G GRANULAR
I ELECTRIC CURRENT, INDICATOR
L LEVEL, LIGHTING, LOW
M MOTOR, MOISTURE
P PANEL, PARTICULATE, PORT, POWER, PRESSURE
R RELIEF
S SAMPLING, SENSOR, SEPARATOR, SILENCER, SWITCH
T TEMPERATURE, TRANSFORMER
V VALVE, VACUUM, VOLATILE ORGANIC COMPOUND

NOTES:
1. ALL VACUUM PROCESS PIPING IS 4" ø SCH80 PVC
2. DISCHARGE STACK IS 8" ø SCH80 PVC

MWH

FACILITY MODESTO
FILE NO.
DRAWING FILE REVISED A-4.DWG
DRAWN
DESIGNED
CHECKED
SHEET DATE MARCH 2009

REVISIONS

ZONE	REV.	DESCRIPTION	BY	DATE

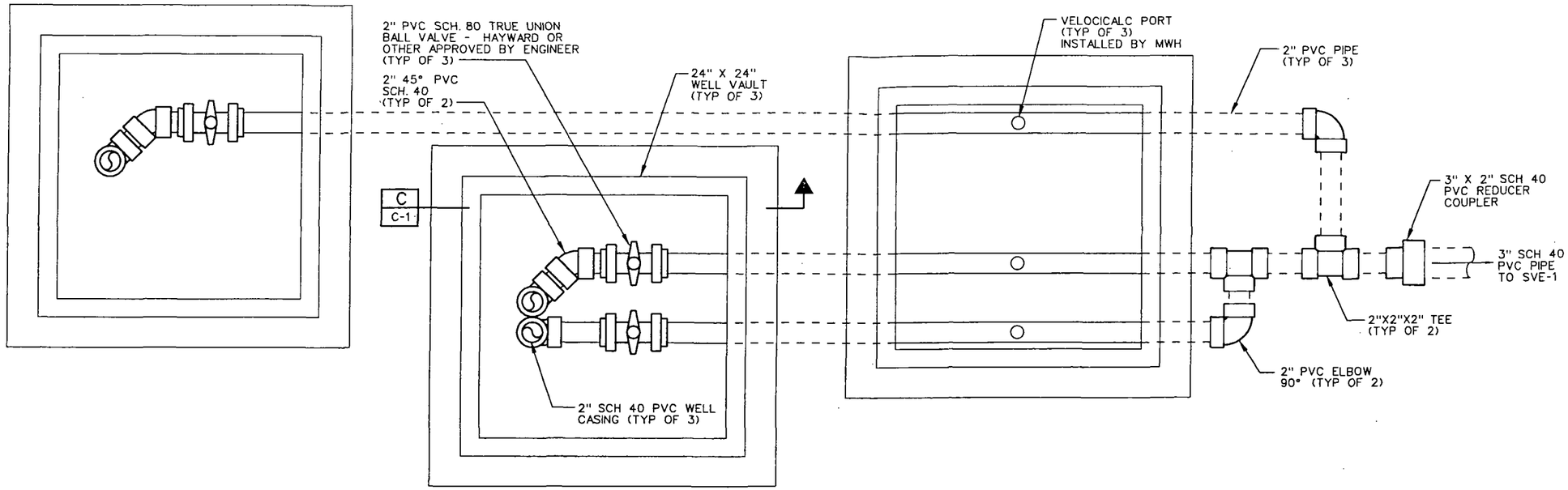
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

SOIL VAPOR EXTRACTION P&ID

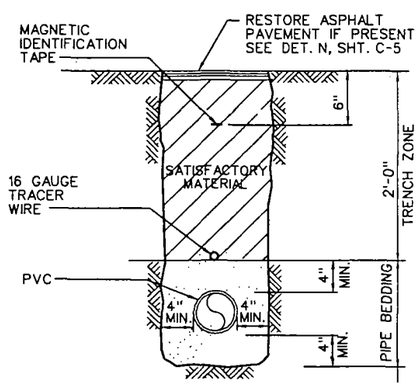
SCALE
HOR:
VER:

FIGURE
A-3

\\usasc1s02\federal group\projects\usacs\jurs\cm-10 modesto superfund site\13.0 o&m\13.3 operations and maintenance manual\current o&m manual\year 2 (draft o&m)\figures\revised a3.dwg

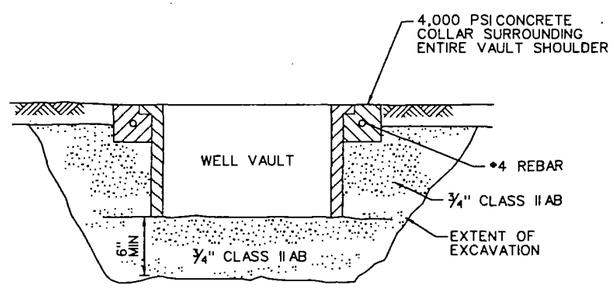


VAULT DETAILS | A
NOT TO SCALE | CP-1



NOTE: SEE TRENCH NOTES ON SHT. C-5.

TRENCH SECTION | B
NOT TO SCALE | CP-1



WELL VAULT | C
NOT TO SCALE | C-1

REVISION	DATE	DESCRIPTION	BY	BY
1	5/6/08	SYSTEM EXPANSION	DK	

MWH

MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

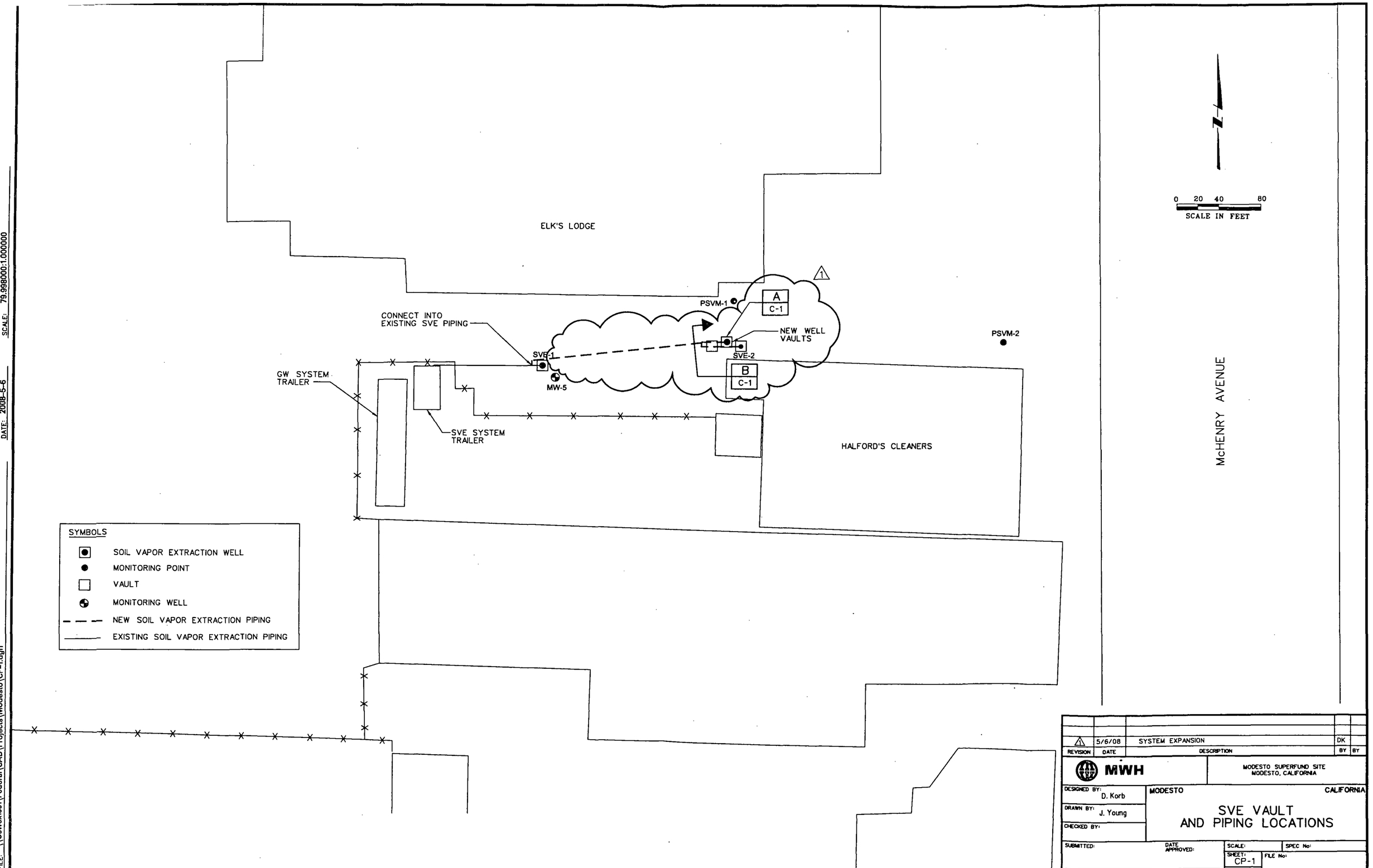
DESIGNED BY: D. Korb
DRAWN BY: J. Young
CHECKED BY:

MODESTO CALIFORNIA

CIVIL DETAILS

SUBMITTED: CHIEF SECTION
DATE APPROVED:
SCALE: NONE
SPEC No:
SHEET: C-1 OF
FILE No:

FILE: \\Uswck1s01\Federal\CAD\Projects\Modesto\civil details.dgn
DATE: 2008-5-6
SCALE: 2.000000:1.000000


ELK'S LODGE
CONNECT INTO EXISTING SVE PIPING
GW SYSTEM TRAILER
SVE SYSTEM TRAILER
SVE-1
MW-5
PSVM-1
A
C-1
NEW WELL VAULTS
SVE-2
B
C-1
PSVM-2
HALFORD'S CLEANERS
McHENRY AVENUE
0 20 40 80
SCALE IN FEET
SYMBOLS
SOIL VAPOR EXTRACTION WELL
MONITORING POINT
VAULT
MONITORING WELL
NEW SOIL VAPOR EXTRACTION PIPING
EXISTING SOIL VAPOR EXTRACTION PIPING
REVISION
DATE
DESCRIPTION
BY
5/6/08
SYSTEM EXPANSION
DK
MWH
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA
DESIGNED BY: D. Korb
DRAWN BY: J. Young
CHECKED BY:
MODESTO
CALIFORNIA
SVE VAULT
AND PIPING LOCATIONS
SUBMITTED:
DATE APPROVED:
CHIEF
SECTION
SCALE:
SPEC No:
SHEET: CP-1
OF
FILE No:
SCALE: 79.998000:1.000000
DATE: 2008-5-6
FILE: \\Uswckfs01\Federal\CAD\Projects\Modesto\CP-1.dgn

APPENDIX B

LABORATORY ANALYTICAL DATA TABLES

APPENDIX B

LIST OF TABLES

Table No.

B1 Site Contaminants of Concern
B2 Sample Cross Reference
B3 Results Summary
B4 Detected Results Summary
B5 Qualified Results Summary
B6 Rejected Results Summary
B7 Qualification Reason Code Definitions
B8 Field Duplicate Results Summary
B9 Sample Batch Summary
B10 Laboratory Control Sample Recovery Outliers Summary
B11 Matrix Spike and Matrix Spike Duplicate Recovery Outliers Summary
B12 Completeness Summary

TABLE B1

SITE CONTAMINANTS OF CONCERN
MODESTO SUPERFUND SITE

Contaminant of Concern	Discharge Limit
Tetrachloroethene (PCE)	0.5 μg/L
Toluene	15 μg/L
Uranium, total	20 pCi/L
pH	5-12

Notes:
μg/L - micrograms per liter
pCi/L - picoCuries per liter

TABLE B2

SAMPLE CROSS REFERENCE
MODESTO SUPERFUND SITE

Date Collected	Field Sample ID	Laboratory Sample ID	Sample Type	Analytical Method
07/29/09	EFF-072909	0907035-01	N	E524.2
07/29/09	EFF-072909	0907035-01	N	E160.1
07/29/09	EFF-072909 (DUP)	0907035-01	LR	E160.1
07/29/09	EW-1-072909	0907035-02	N	E524.2
07/29/09	EW-1-072909 (DUP)	0907035-02	LR	E524.2
07/29/09	EW-1-072909 (MS)	0907035-02	MS	E524.2
07/29/09	EW-1-072909 (MSD)	0907035-02	SD	E524.2
07/29/09	EW-1-072909 (RE)	0907035-02	N	E524.2
07/29/09	MW-301-33Q	0907035-03	TB	E524.2
07/29/09	GWT Pre GAC-072909	0907038-01	N	TO15
07/29/09	GWT Pre GAC-072909 (RE)	0907038-01	N	TO15
07/29/09	GWT Stack-072909	0907038-02	N	TO15
07/29/09	GWT Stack-072909 (RE)	0907038-02	N	TO15
07/29/09	SVE Pre GAC-072909	0907038-03	N	TO15
07/29/09	SVE Pre GAC-072909 (DUP)	0907038-03	LR	TO15
07/29/09	SVE Pre GAC-072909 (RE)	0907038-03	N	TO15
07/29/09	SVE Stack-072909	0907038-04	N	TO15
07/29/09	EFF-072909	8367-001	N	D5174
08/10/09	CRB INF-081009	0908010-01	N	E524.2
08/10/09	CRB Mid-081009	0908010-02	N	E524.2
08/10/09	EFF-081009	0908010-03	N	E524.2
08/10/09	EFF-081009	0908010-03	N	E160.1
08/10/09	EFF-081009 (DUP)	0908010-03	LR	E160.1
08/10/09	EW-1-081009	0908010-04	N	E524.2
08/10/09	EW-1-081009 (MS)	0908010-04	MS	E524.2
08/10/09	EW-1-081009 (MSD)	0908010-04	SD	E524.2
08/10/09	EW-1-081009 (RE)	0908010-04	N	E524.2
08/10/09	EW-1-081009 (FD)	0908010-05	FD	E524.2
08/10/09	EW-1-081009 (FD)(RE)	0908010-05	FD	E524.2
08/10/09	EFF-081009 (FD)	0908010-06	FD	E160.1
08/10/09	MW-302-33Q	0908010-07	TB	E524.2
08/10/09	MW-401-33Q	0908010-08	FB	E524.2
08/10/09	MW-401-33Q	0908010-08	FB	E160.1
08/10/09	Pre IEX-081009	0908010-09	N	E524.2
08/10/09	GWT Pre GAC-081009	0908011-01	N	TO15
08/10/09	GWT Pre GAC-081009 (RE)	0908011-01	N	TO15
08/10/09	GWT Stack-081009	0908011-02	N	TO15
08/10/09	GWT Stack-081009 (RE)	0908011-02	N	TO15
08/10/09	SVE Pre GAC-081009	0908011-03	N	TO15
08/10/09	SVE Pre GAC-081009 (DUP)	0908011-03	LR	TO15
08/10/09	SVE Pre GAC-081009 (RE)	0908011-03	N	TO15
08/10/09	SVE Stack-081009	0908011-04	N	TO15
08/10/09	SVE-2-081009	0908011-05	N	TO15
08/10/09	SVE-2-081009 (RE)	0908011-05	N	TO15
08/10/09	SVE-3-081009	0908011-06	N	TO15
08/10/09	SVE-3-081009 (RE)	0908011-06	N	TO15

TABLE B2

SAMPLE CROSS REFERENCE
MODESTO SUPERFUND SITE

Date Collected	Field Sample ID	Laboratory Sample ID	Sample Type	Analytical Method
08/10/09	SVE-4-081009	0908011-07	N	TO15
08/10/09	SVE-4-081009 (RE)	0908011-07	N	TO15
08/11/09	MW-10C-33Q	0908012-01	N	E524.2
08/11/09	MW-19A-33Q	0908012-02	N	E524.2
08/11/09	MW-19B-33Q	0908012-03	N	E524.2
08/11/09	MW-303-33Q	0908012-04	TB	E524.2
08/11/09	MW-10A-33Q	0908012-05	N	E524.2
08/11/09	MW-10A-33Q (RE)	0908012-05	N	E524.2
08/11/09	MW-6A-33Q	0908012-06	N	E524.2
08/11/09	MW-13A-33Q (FD)	0908012-07	FD	E524.2
08/11/09	MW-13A-33Q	0908012-08	N	E524.2
08/11/09	MW-14A-33Q	0908012-09	N	E524.2
08/11/09	MW-1A-33Q	0908012-10	N	E524.2
08/11/09	MW-15A-33Q	0908012-11	N	E524.2
08/11/09	MW-7A-33Q	0908012-12	N	E524.2
08/11/09	MW-11A-33Q	0908012-13	N	E524.2
08/12/09	MW-20C-33Q	0908020-01	N	E524.2
08/12/09	MW-16A-33Q	0908020-02	N	E524.2
08/12/09	MW-16C-33Q	0908020-03	N	E524.2
08/12/09	MW-304-33Q	0908020-04	TB	E524.2
08/12/09	MW-5A-33Q	0908020-05	N	E524.2
08/12/09	MW-5A-33Q (RE)	0908020-05	N	E524.2
08/12/09	MW-9B-33Q	0908020-06	N	E524.2
08/12/09	MW-8A-33Q (FD)	0908020-07	FD	E524.2
08/12/09	MW-2A-33Q	0908020-08	N	E524.2
08/12/09	MW-8A-33Q	0908020-09	N	E524.2
08/12/09	MW-8A-33Q (MS)	0908020-09	MS	E524.2
08/12/09	MW-8A-33Q (MSD)	0908020-09	SD	E524.2
08/12/09	MW-402-33Q	0908020-10	FB	E524.2
08/12/09	MW-403-33Q	0908020-11	FB	E524.2
08/12/09	MW-4A-33Q	0908020-12	N	E524.2
08/12/09	MW-4A-33Q (RE)	0908020-12	N	E524.2
08/12/09	MW-12A-33Q	0908020-13	N	E524.2
08/12/09	MW-12A-33Q (RE)	0908020-13	N	E524.2
08/13/09	MW-16B-33Q	0908030-01	N	E524.2
08/13/09	MW-18A-33Q	0908030-02	N	E524.2
08/13/09	MW-18A-33Q (FD)	0908030-03	FD	E524.2
08/13/09	MW-17A-33Q	0908030-04	N	E524.2
08/13/09	MW-17C-33Q	0908030-05	N	E524.2
08/13/09	MW-4C-33Q	0908030-06	N	E524.2
08/13/09	MW-4B-33Q	0908030-07	N	E524.2
08/13/09	MW-4B-33Q (MS)	0908030-07	MS	E524.2
08/13/09	MW-4B-33Q (MSD)	0908030-07	SD	E524.2
08/13/09	MW-4B-33Q (FD)	0908030-08	FD	E524.2
08/13/09	MW-10B-33Q	0908030-09	N	E524.2
08/13/09	MW-305-33Q	0908030-10	TB	E524.2

TABLE B2

SAMPLE CROSS REFERENCE
MODESTO SUPERFUND SITE

Date Collected	Field Sample ID	Laboratory Sample ID	Sample Type	Analytical Method
08/14/09	MW-3A-33Q	0908030-11	N	E524.2
08/14/09	MW-3A-33Q (RE)	0908030-11	N	E524.2
08/14/09	MW-17B-33Q	0908030-12	N	E524.2
08/14/09	MW-17B-33Q (RE)	0908030-12	N	E524.2
08/14/09	MW-404-33Q	0908030-13	FB	E524.2
08/14/09	MW-20A-33Q	0908030-14	N	E524.2
08/14/09	MW-20A-33Q (RE)	0908030-14	N	E524.2
08/14/09	MW-20B-33Q	0908030-15	N	E524.2
08/14/09	MW-20B-33Q (RE)	0908030-15	N	E524.2
08/14/09	MW-405-33Q	0908030-16	FB	E524.2
09/22/09	EFF-092209	0909049-01	N	E160.1
09/22/09	EFF-092209	0909049-01	N	E524.2
09/22/09	EFF-092209 (DUP)	0909049-01	LR	E160.1
09/22/09	EW-1-092209	0909049-02	N	E524.2
09/22/09	EW-1-092209 (RE)	0909049-02	N	E524.2
09/22/09	MW-306-33Q	0909049-03	TB	E524.2
09/22/09	GWT Pre GAC-092209	0909051-01	N	TO15
09/22/09	GWT Pre GAC-092209 (RE)	0909051-01	N	TO15
09/22/09	GWT Stack-092209	0909051-02	N	TO15
09/22/09	GWT Stack-092209 (DUP)	0909051-02	LR	TO15
09/22/09	GWT Stack-092209 (RE)	0909051-02	N	TO15
09/22/09	SVE Pre GAC-092209	0909051-03	N	TO15
09/22/09	SVE Pre GAC-092209 (RE)	0909051-03	N	TO15
09/22/09	SVE Stack-092209	0909051-04	N	TO15

Notes:
DUP - Laboratory Duplicate
FB - Field Blank
FD - Field Duplicate
ID - Identification
LR - Laboratory Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
N - Environmental Sample
RE - Sample Reanalysis
SD - Matrix Spike Duplicate
TB - Trip Blank

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	CRB INF-081009	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	CRB INF-081009	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	CRB INF-081009	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Acetone	4	< 4	µg/L
E524.2	CRB INF-081009	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	CRB INF-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	tert-Butyl methyl ether	2	< 2	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	CRB INF-081009	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	CRB INF-081009	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	CRB Mid-081009	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	CRB Mid-081009	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Acetone	4	< 4	µg/L
E524.2	CRB Mid-081009	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	CRB Mid-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	CRB Mid-081009	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	CRB Mid-081009	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	CRB Mid-081009	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
D5174	EFF-072909	WG	N	Uranium, total	1	17.9	pCi/L
E160.1	EFF-072909	WG	N	Total Dissolved Solids	20	660	mg/L
E524.2	EFF-072909	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	EFF-072909	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	EFF-072909	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Acetone	4	< 4	µg/L
E524.2	EFF-072909	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	EFF-072909	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	EFF-072909	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	EFF-072909	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	EFF-072909	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E160.1	EFF-081009	WG	N	Total Dissolved Solids	20	650	mg/L
E524.2	EFF-081009	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	EFF-081009	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	EFF-081009	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Acetone	4	< 4	µg/L
E524.2	EFF-081009	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Bromochloromethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	EFF-081009	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	EFF-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	EFF-081009	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	EFF-081009	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E160.1	EFF-081009 (FD)	WG	FD	Total Dissolved Solids	20	660	mg/L
E160.1	EFF-092209	WG	N	Total Dissolved Solids	20	650	mg/L
E524.2	EFF-092209	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	EFF-092209	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	EFF-092209	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	EFF-092209	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Acetone	4	< 4	µg/L
E524.2	EFF-092209	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	EFF-092209	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	EFF-092209	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	EFF-092209	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	EW-1-072909	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	EW-1-072909	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	EW-1-072909	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Acetone	4	< 4	µg/L
E524.2	EW-1-072909	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Chloroform	0.5	2.9	µg/L
E524.2	EW-1-072909	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	EW-1-072909	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	EW-1-072909	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	EW-1-072909	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	EW-1-072909 (RE)	WG	N	Tetrachloroethylene (PCE)	5	110	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	EW-1-081009	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	EW-1-081009	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	EW-1-081009	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Acetone	4	< 4	µg/L
E524.2	EW-1-081009	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Chloroform	0.5	2.6	µg/L
E524.2	EW-1-081009	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	EW-1-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	tert-Butyl methyl ether	2	< 2	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	EW-1-081009	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (RE)	WG	N	Tetrachloroethylene (PCE)	10	250	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	2-Butanone (MEK)	4	< 4	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Acetone	4	< 4	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Benzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Bromobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Bromoform	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Bromomethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Chloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Chloroform	0.5	2.2	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Chloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Dibromomethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	m,p-Xylene	1	< 1	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	EW-1-081009 (FD)	WG	FD	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Naphthalene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	o-Xylene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Styrene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Toluene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	EW-1-081009 (FD)(RE)	WG	FD	Tetrachloroethylene (PCE)	5	190	µg/L
E524.2	EW-1-092209	WG	N	Tetrachloroethylene (PCE)	5	170	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	EW-1-092209 (RE)	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Acetone	4	< 4	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Chloroform	0.5	3.1	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	EW-1-092209 (RE)	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
TO15	GWT Pre GAC-072909	GS	N	Tetrachloroethylene (PCE)	27	490	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,1,1-Trichloroethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,1,2,2-Tetrachloroethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,1,2-Trichloroethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,1-Dichloroethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,1-Dichloroethene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,2,4-Trichlorobenzene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,2,4-Trimethylbenzene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,2-Dichlorobenzene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,2-Dichloroethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,2-Dichloropropane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,3,5-Trimethylbenzene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,3-Dichlorobenzene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	1,4-Dichlorobenzene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Benzene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Bromomethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Carbon tetrachloride	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Chlorobenzene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Chloroethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Chloroform	2.7	9.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Chloromethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	cis-1,2-Dichloroethylene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	cis-1,3-Dichloropropene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Dichlorodifluoromethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Ethylbenzene	2.7	< 2.7	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	GWT Pre GAC-072909 (RE)	GS	N	Hexachlorobutadiene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	m,p-Xylene	5.3	< 5.3	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Methylene chloride	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	o-Xylene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Styrene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Toluene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	trans-1,3-Dichloropropene	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Trichloroethylene (TCE)	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Trichlorofluoromethane	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Vinyl chloride	2.7	< 2.7	ppbv
TO15	GWT Pre GAC-081009	GS	N	Tetrachloroethylene (PCE)	24	480	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,1,1-Trichloroethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,1,2,2-Tetrachloroethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,1,2-Trichloroethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,1-Dichloroethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,1-Dichloroethene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,2,4-Trichlorobenzene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,2,4-Trimethylbenzene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,2-Dichlorobenzene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,2-Dichloroethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,2-Dichloropropane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,3,5-Trimethylbenzene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,3-Dichlorobenzene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	1,4-Dichlorobenzene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Benzene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Bromomethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Carbon tetrachloride	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Chlorobenzene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Chloroethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Chloroform	2.4	11	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Chloromethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	cis-1,2-Dichloroethylene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	cis-1,3-Dichloropropene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Dichlorodifluoromethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Ethylbenzene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Hexachlorobutadiene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	m,p-Xylene	4.9	< 4.9	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Methylene chloride	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	o-Xylene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Styrene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Toluene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	trans-1,3-Dichloropropene	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Trichloroethylene (TCE)	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Trichlorofluoromethane	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Vinyl chloride	2.4	< 2.4	ppbv
TO15	GWT Pre GAC-092209	GS	N	Tetrachloroethylene (PCE)	22	280	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,1,1-Trichloroethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,1,2,2-Tetrachloroethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.2	< 2.2	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,1,2-Trichloroethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,1-Dichloroethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,1-Dichloroethene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,2,4-Trichlorobenzene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,2,4-Trimethylbenzene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,2-Dichlorobenzene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,2-Dichloroethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,2-Dichloropropane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,3,5-Trimethylbenzene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,3-Dichlorobenzene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	1,4-Dichlorobenzene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Benzene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Bromomethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Carbon tetrachloride	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Chlorobenzene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Chloroethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Chloroform	2.2	11	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Chloromethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	cis-1,2-Dichloroethylene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	cis-1,3-Dichloropropene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Dichlorodifluoromethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Ethylbenzene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Hexachlorobutadiene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	m,p-Xylene	4.3	< 4.3	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Methylene chloride	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	o-Xylene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Styrene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Toluene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	trans-1,3-Dichloropropene	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Trichloroethylene (TCE)	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Trichlorofluoromethane	2.2	< 2.2	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Vinyl chloride	2.2	< 2.2	ppbv
TO15	GWT Stack-072909	GS	N	Tetrachloroethylene (PCE)	29	310	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,1,1-Trichloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,1,2,2-Tetrachloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,1,2-Trichloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,1-Dichloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,1-Dichloroethene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,2,4-Trichlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,2,4-Trimethylbenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,2-Dichlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,2-Dichloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,2-Dichloropropane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,3,5-Trimethylbenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,3-Dichlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	1,4-Dichlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Benzene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Bromomethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Carbon tetrachloride	2.9	< 2.9	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	GWT Stack-072909 (RE)	GS	N	Chlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Chloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Chloroform	2.9	8.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Chloromethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	cis-1,2-Dichloroethylene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	cis-1,3-Dichloropropene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Dichlorodifluoromethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Ethylbenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Hexachlorobutadiene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	m,p-Xylene	5.8	< 5.8	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Methylene chloride	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	o-Xylene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Styrene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Toluene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	trans-1,3-Dichloropropene	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Trichloroethylene (TCE)	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Trichlorofluoromethane	2.9	< 2.9	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Vinyl chloride	2.9	< 2.9	ppbv
TO15	GWT Stack-081009	GS	N	Tetrachloroethylene (PCE)	29	370	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,1,1-Trichloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,1,2,2-Tetrachloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,1,2-Trichloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,1-Dichloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,1-Dichloroethene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,2,4-Trichlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,2,4-Trimethylbenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,2-Dichlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,2-Dichloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,2-Dichloropropane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,3,5-Trimethylbenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,3-Dichlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	1,4-Dichlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Benzene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Bromomethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Carbon tetrachloride	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Chlorobenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Chloroethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Chloroform	2.9	9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Chloromethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	cis-1,2-Dichloroethylene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	cis-1,3-Dichloropropene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Dichlorodifluoromethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Ethylbenzene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Hexachlorobutadiene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	m,p-Xylene	5.8	< 5.8	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Methylene chloride	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	o-Xylene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Styrene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Toluene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	trans-1,3-Dichloropropene	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Trichloroethylene (TCE)	2.9	< 2.9	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	GWT Stack-081009 (RE)	GS	N	Trichlorofluoromethane	2.9	< 2.9	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Vinyl chloride	2.9	< 2.9	ppbv
TO15	GWT Stack-092209	GS	N	Tetrachloroethylene (PCE)	22	210	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,1,1-Trichloroethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,1,2,2-Tetrachloroethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,1,2-Trichloroethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,1-Dichloroethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,1-Dichloroethene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,2,4-Trichlorobenzene	2.2	1.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,2,4-Trimethylbenzene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,2-Dichlorobenzene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,2-Dichloroethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,2-Dichloropropane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,3,5-Trimethylbenzene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,3-Dichlorobenzene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,4-Dichlorobenzene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Benzene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Bromomethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Carbon tetrachloride	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Chlorobenzene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Chloroethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Chloroform	2.2	7.6	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Chloromethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	cis-1,2-Dichloroethylene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	cis-1,3-Dichloropropene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Dichlorodifluoromethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Ethylbenzene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Hexachlorobutadiene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	m,p-Xylene	4.3	< 4.3	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Methylene chloride	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	o-Xylene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Styrene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Toluene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	trans-1,3-Dichloropropene	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Trichloroethylene (TCE)	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Trichlorofluoromethane	2.2	< 2.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Vinyl chloride	2.2	< 2.2	ppbv
E524.2	MW-1A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-1A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-1A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-1A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-1A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-1A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	1.4	µg/L
E524.2	MW-1A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-1A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-2A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-2A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-2A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-2A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Chloroform	0.5	2.5	µg/L
E524.2	MW-2A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-2A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-2A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	4.8	µg/L
E524.2	MW-2A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-2A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-2A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q	WG	N	Tetrachloroethylene (PCE)	5	45	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Chloroform	0.5	1.1	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	o-Xylene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-3A-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	0.8	µg/L
E524.2	MW-4A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-4A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-4A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-4A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Chloroform	0.5	1.6	µg/L
E524.2	MW-4A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	1.4	µg/L
E524.2	MW-4A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-4A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-4A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-4A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Trichloroethylene (TCE)	0.5	1.5	µg/L
E524.2	MW-4A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-4A-33Q (RE)	WG	N	Tetrachloroethylene (PCE)	50	1300	µg/L
E524.2	MW-4B-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-4B-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-4B-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-4B-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-4B-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	0.5	µg/L
E524.2	MW-4B-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-4B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-4B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	19	µg/L
E524.2	MW-4B-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Acetone	4	< 4	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Benzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-4B-33Q (FD)	WG	FD	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	cis-1,2-Dichloroethylene	0.5	0.4	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	m,p-Xylene	1	< 1	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Styrene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Tetrachloroethylene (PCE)	0.5	18	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Toluene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-4C-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-4C-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-4C-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-4C-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-4C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-4C-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-4C-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-5A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-5A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-5A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-5A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Chloroform	0.5	0.6	µg/L
E524.2	MW-5A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-5A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-5A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-5A-33Q (RE)	WG	N	Tetrachloroethylene (PCE)	5	79	µg/L
E524.2	MW-6A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-6A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-6A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-6A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-6A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Bromodichloromethane	0.5	0.4	µg/L
E524.2	MW-6A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Chloroform	0.5	9.5	µg/L
E524.2	MW-6A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-6A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-6A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	4.2	µg/L
E524.2	MW-6A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-6A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-6A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-7A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-7A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-7A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Chloroform	0.5	0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-7A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-7A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-7A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-7A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-8A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-8A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-8A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Bromodichloromethane	0.5	0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Chloroform	0.5	10	µg/L
E524.2	MW-8A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-8A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-8A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-8A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	9.8	µg/L
E524.2	MW-8A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Acetone	4	< 4	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Benzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Bromodichloromethane	0.5	0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Chlorobenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-8A-33Q (FD)	WG	FD	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Chloroform	0.5	9.9	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	m,p-Xylene	1	< 1	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Styrene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Tetrachloroethylene (PCE)	0.5	8.3	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Toluene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-9B-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-9B-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Acetone	4	< 4	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-9B-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-9B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-9B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	17	µg/L
E524.2	MW-9B-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-9B-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q	WG	N	Tetrachloroethylene (PCE)	5	140	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-10A-33Q (RE)	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Chloroform	0.5	2.8	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-10B-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-10B-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-10B-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-10B-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-10B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-10B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	13	µg/L
E524.2	MW-10B-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-10B-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-10C-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-10C-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-10C-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-10C-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-10C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-10C-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-10C-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-11A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-11A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-11A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Chloroform	0.5	5.3	µg/L
E524.2	MW-11A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-11A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-11A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-11A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	0.6	µg/L
E524.2	MW-11A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-11A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q	WG	N	Tetrachloroethylene (PCE)	2.5	23	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Chloroform	0.5	2	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-12A-33Q (RE)	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	0.3	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-13A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-13A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-13A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-13A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Chloroform	0.5	3.2	µg/L
E524.2	MW-13A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-13A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-13A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	2.1	µg/L
E524.2	MW-13A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	2-Butanone (MEK)	4	< 4	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-13A-33Q (FD)	WG	FD	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Acetone	4	< 4	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Benzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Chloroform	0.5	3.2	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	m,p-Xylene	1	< 1	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Styrene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Tetrachloroethylene (PCE)	0.5	2.1	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Toluene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-14A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-14A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-14A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-14A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Chloroform	0.5	1	µg/L
E524.2	MW-14A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-14A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-14A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	1.3	µg/L
E524.2	MW-14A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-14A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-15A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-15A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,2-Dichloroethane	0.5	0.9	µg/L
E524.2	MW-15A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-15A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-15A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Chloroform	0.5	1.6	µg/L
E524.2	MW-15A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-15A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-15A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-15A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-16A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-16A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-16A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-16A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Chloroform	0.5	0.3	µg/L
E524.2	MW-16A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-16A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-16A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-16A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-16B-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-16B-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-16B-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Chloroform	0.5	0.4	µg/L
E524.2	MW-16B-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-16B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-16B-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-16B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	1.2	µg/L
E524.2	MW-16B-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-16B-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-16C-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-16C-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-16C-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-16C-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-16C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-16C-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-16C-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-17A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-17A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-17A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-17A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Chloroform	0.5	3.6	µg/L
E524.2	MW-17A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-17A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-17A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	0.3	µg/L
E524.2	MW-17A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-17A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q	WG	N	Tetrachloroethylene (PCE)	2.5	40	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-17B-33Q (RE)	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-17B-33Q (RE)	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-17C-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-17C-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-17C-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-17C-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-17C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-17C-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-17C-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-18A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-18A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-18A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-18A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Chloroform	0.5	3.2	µg/L
E524.2	MW-18A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-18A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-18A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	2.4	µg/L
E524.2	MW-18A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-18A-33Q (FD)	WG	FD	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Acetone	4	< 4	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Benzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Chloroform	0.5	3.2	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	m,p-Xylene	1	< 1	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Styrene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	tert-Butyl methyl ether	2	< 2	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-18A-33Q (FD)	WG	FD	Tetrachloroethylene (PCE)	0.5	2.3	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Toluene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-19A-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-19A-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-19A-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Chloroform	0.5	0.7	µg/L
E524.2	MW-19A-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-19A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-19A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-19A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-19A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-19B-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-19B-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-19B-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-19B-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-19B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-19B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-19B-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q	WG	N	Tetrachloroethylene (PCE)	5	130	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Bromodichloromethane	0.5	0.4	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-20A-33Q (RE)	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Chloroform	0.5	7.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Dichlorodifluoromethane	0.5	12	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q	WG	N	Tetrachloroethylene (PCE)	5	150	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-20B-33Q (RE)	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-20B-33Q (RE)	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-20C-33Q	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-20C-33Q	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-20C-33Q	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Acetone	4	< 4	µg/L
E524.2	MW-20C-33Q	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	MW-20C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-20C-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-20C-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,1-Dichloroethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-301-33Q	WQ	TB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-301-33Q	WQ	TB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-301-33Q	WQ	TB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Acetone	4	< 4	µg/L
E524.2	MW-301-33Q	WQ	TB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-301-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-301-33Q	WQ	TB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-301-33Q	WQ	TB	Trichlorofluoromethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-301-33Q	WQ	TB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-302-33Q	WQ	TB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-302-33Q	WQ	TB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Acetone	4	< 4	µg/L
E524.2	MW-302-33Q	WQ	TB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-302-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Styrene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-302-33Q	WQ	TB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-302-33Q	WQ	TB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-302-33Q	WQ	TB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-303-33Q	WQ	TB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-303-33Q	WQ	TB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Acetone	4	< 4	µg/L
E524.2	MW-303-33Q	WQ	TB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	m,p-Xylene	1	< 1	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-303-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-303-33Q	WQ	TB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-303-33Q	WQ	TB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-304-33Q	WQ	TB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-304-33Q	WQ	TB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Acetone	4	< 4	µg/L
E524.2	MW-304-33Q	WQ	TB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-304-33Q	WQ	TB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-304-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-304-33Q	WQ	TB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-304-33Q	WQ	TB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-305-33Q	WQ	TB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-305-33Q	WQ	TB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Acetone	4	< 4	µg/L
E524.2	MW-305-33Q	WQ	TB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Bromodichloromethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-305-33Q	WQ	TB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-305-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-305-33Q	WQ	TB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-305-33Q	WQ	TB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-306-33Q	WQ	TB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	2,2-Dichloropropane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-306-33Q	WQ	TB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-306-33Q	WQ	TB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Acetone	4	< 4	µg/L
E524.2	MW-306-33Q	WQ	TB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-306-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-306-33Q	WQ	TB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-306-33Q	WQ	TB	Vinyl chloride	0.5	< 0.5	µg/L
E160.1	MW-401-33Q	WQ	FB	Total Dissolved Solids	20	< 20	mg/L
E524.2	MW-401-33Q	WQ	FB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-401-33Q	WQ	FB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-401-33Q	WQ	FB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Acetone	4	< 4	µg/L
E524.2	MW-401-33Q	WQ	FB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-401-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-401-33Q	WQ	FB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-401-33Q	WQ	FB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-402-33Q	WQ	FB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-402-33Q	WQ	FB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-402-33Q	WQ	FB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Acetone	4	< 4	µg/L
E524.2	MW-402-33Q	WQ	FB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-402-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-402-33Q	WQ	FB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-402-33Q	WQ	FB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-402-33Q	WQ	FB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-403-33Q	WQ	FB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-403-33Q	WQ	FB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Acetone	4	< 4	µg/L
E524.2	MW-403-33Q	WQ	FB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-403-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	sec-Butylbenzene	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-403-33Q	WQ	FB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-403-33Q	WQ	FB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-403-33Q	WQ	FB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-404-33Q	WQ	FB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-404-33Q	WQ	FB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Acetone	4	< 4	µg/L
E524.2	MW-404-33Q	WQ	FB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Chloromethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-404-33Q	WQ	FB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-404-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-404-33Q	WQ	FB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-404-33Q	WQ	FB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	MW-405-33Q	WQ	FB	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	2-Butanone (MEK)	4	< 4	µg/L
E524.2	MW-405-33Q	WQ	FB	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Acetone	4	< 4	µg/L
E524.2	MW-405-33Q	WQ	FB	Benzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Bromobenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Bromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Bromoform	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Bromomethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Chloroethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Chloroform	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Chloromethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-405-33Q	WQ	FB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Dibromomethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	m,p-Xylene	1	< 1	µg/L
E524.2	MW-405-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Naphthalene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	o-Xylene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Styrene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	MW-405-33Q	WQ	FB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Toluene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	MW-405-33Q	WQ	FB	Vinyl chloride	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,1,1,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,1,2,2-Tetrachloroethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,1,2-Trichloroethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,2,3-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,2,3-Trichloropropane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,2,4-Trichlorobenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,2,4-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L
E524.2	Pre IEX-081009	WG	N	1,2-Dibromoethane (Ethylene dibromide)	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,2-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,2-Dichloroethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,3,5-Trimethylbenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,3-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,3-Dichloropropane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	1,4-Dichlorobenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	2-Butanone (MEK)	4	< 4	µg/L
E524.2	Pre IEX-081009	WG	N	2-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	4-Chlorotoluene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Acetone	4	< 4	µg/L
E524.2	Pre IEX-081009	WG	N	Benzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Bromobenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Bromochloromethane	0.5	< 0.5	µg/L

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	Pre IEX-081009	WG	N	Bromodichloromethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Bromoform	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Bromomethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Chlorobenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Chloroethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Chloroform	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Chloromethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	cis-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Dibromochloromethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Dibromomethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Ethylbenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	m,p-Xylene	1	< 1	µg/L
E524.2	Pre IEX-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Naphthalene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	o-Xylene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Styrene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	tert-Butyl methyl ether	2	< 2	µg/L
E524.2	Pre IEX-081009	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Toluene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	trans-1,3-Dichloropropene	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Trichloroethylene (TCE)	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L
E524.2	Pre IEX-081009	WG	N	Vinyl chloride	0.5	< 0.5	µg/L
TO15	SVE Pre GAC-072909	GS	N	Tetrachloroethylene (PCE)	480	1200	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,1,1-Trichloroethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,1,2,2-Tetrachloroethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,1,2-Trichloroethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,1-Dichloroethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,1-Dichloroethene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,2,4-Trichlorobenzene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,2,4-Trimethylbenzene	2.4	2.7	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,2-Dichlorobenzene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,2-Dichloroethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,2-Dichloropropane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,3,5-Trimethylbenzene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,3-Dichlorobenzene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,4-Dichlorobenzene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Benzene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Bromomethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Carbon tetrachloride	2.4	< 2.4	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	SVE Pre GAC-072909 (RE)	GS	N	Chlorobenzene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Chloroethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Chloroform	2.4	38	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Chloromethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	cis-1,2-Dichloroethylene	2.4	10	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	cis-1,3-Dichloropropene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Dichlorodifluoromethane	2.4	2.1	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Ethylbenzene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Hexachlorobutadiene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	m,p-Xylene	4.8	4.5	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Methylene chloride	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	o-Xylene	2.4	2.7	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Styrene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Toluene	2.4	5	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	trans-1,3-Dichloropropene	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Trichloroethylene (TCE)	2.4	19	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Trichlorofluoromethane	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Vinyl chloride	2.4	< 2.4	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,1,1-Trichloroethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,1,2,2-Tetrachloroethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,1,2-Trichloroethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,1-Dichloroethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,1-Dichloroethene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,2,4-Trichlorobenzene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,2,4-Trimethylbenzene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,2-Dichlorobenzene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,2-Dichloroethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,2-Dichloropropane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,3,5-Trimethylbenzene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,3-Dichlorobenzene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	1,4-Dichlorobenzene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Benzene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Bromomethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Carbon tetrachloride	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Chlorobenzene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Chloroethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Chloroform	2.9	44	ppbv
TO15	SVE Pre GAC-081009	GS	N	Chloromethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	cis-1,2-Dichloroethylene	2.9	11	ppbv
TO15	SVE Pre GAC-081009	GS	N	cis-1,3-Dichloropropene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Dichlorodifluoromethane	2.9	2.2	ppbv
TO15	SVE Pre GAC-081009	GS	N	Ethylbenzene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Hexachlorobutadiene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	m,p-Xylene	5.7	< 5.7	ppbv
TO15	SVE Pre GAC-081009	GS	N	Methylene chloride	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	o-Xylene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Styrene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Toluene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	trans-1,3-Dichloropropene	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Trichloroethylene (TCE)	2.9	20	ppbv
TO15	SVE Pre GAC-081009	GS	N	Trichlorofluoromethane	2.9	< 2.9	ppbv
TO15	SVE Pre GAC-081009	GS	N	Vinyl chloride	2.9	< 2.9	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	SVE Pre GAC-081009 (RE)	GS	N	Tetrachloroethylene (PCE)	570	1800	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,1,1-Trichloroethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,1,2,2-Tetrachloroethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,1,2-Trichloroethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,1-Dichloroethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,1-Dichloroethene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,2,4-Trichlorobenzene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,2,4-Trimethylbenzene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,2-Dichlorobenzene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,2-Dichloroethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,2-Dichloropropane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,3,5-Trimethylbenzene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,3-Dichlorobenzene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	1,4-Dichlorobenzene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Benzene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Bromomethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Carbon tetrachloride	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Chlorobenzene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Chloroethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Chloroform	2.3	34	ppbv
TO15	SVE Pre GAC-092209	GS	N	Chloromethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	cis-1,2-Dichloroethylene	2.3	3.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	cis-1,3-Dichloropropene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Dichlorodifluoromethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Ethylbenzene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Hexachlorobutadiene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	m,p-Xylene	4.6	< 4.6	ppbv
TO15	SVE Pre GAC-092209	GS	N	Methylene chloride	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	o-Xylene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Styrene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Toluene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	trans-1,3-Dichloropropene	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Trichloroethylene (TCE)	2.3	7.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Trichlorofluoromethane	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Vinyl chloride	2.3	< 2.3	ppbv
TO15	SVE Pre GAC-092209 (RE)	GS	N	Tetrachloroethylene (PCE)	460	940	ppbv
TO15	SVE Stack-072909	GS	N	1,1,1-Trichloroethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,1,2,2-Tetrachloroethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,1,2-Trichloroethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,1-Dichloroethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,1-Dichloroethene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,2,4-Trichlorobenzene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,2,4-Trimethylbenzene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,2-Dichlorobenzene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,2-Dichloroethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,2-Dichloropropane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,3,5-Trimethylbenzene	2.2	< 2.2	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	SVE Stack-072909	GS	N	1,3-Dichlorobenzene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	1,4-Dichlorobenzene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Benzene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Bromomethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Carbon tetrachloride	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Chlorobenzene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Chloroethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Chloroform	2.2	1.5	ppbv
TO15	SVE Stack-072909	GS	N	Chloromethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	cis-1,2-Dichloroethylene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	cis-1,3-Dichloropropene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Dichlorodifluoromethane	2.2	2	ppbv
TO15	SVE Stack-072909	GS	N	Ethylbenzene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Hexachlorobutadiene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	m,p-Xylene	4.5	< 4.5	ppbv
TO15	SVE Stack-072909	GS	N	Methylene chloride	2.2	3.1	ppbv
TO15	SVE Stack-072909	GS	N	o-Xylene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Styrene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Tetrachloroethylene (PCE)	2.2	2.3	ppbv
TO15	SVE Stack-072909	GS	N	Toluene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	trans-1,3-Dichloropropene	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Trichloroethylene (TCE)	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Trichlorofluoromethane	2.2	< 2.2	ppbv
TO15	SVE Stack-072909	GS	N	Vinyl chloride	2.2	< 2.2	ppbv
TO15	SVE Stack-081009	GS	N	1,1,1-Trichloroethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,1,2,2-Tetrachloroethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,1,2-Trichloroethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,1-Dichloroethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,1-Dichloroethene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,2,4-Trichlorobenzene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,2,4-Trimethylbenzene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,2-Dichlorobenzene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,2-Dichloroethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,2-Dichloropropane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,3,5-Trimethylbenzene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,3-Dichlorobenzene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	1,4-Dichlorobenzene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Benzene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Bromomethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Carbon tetrachloride	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Chlorobenzene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Chloroethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Chloroform	2.6	3.9	ppbv
TO15	SVE Stack-081009	GS	N	Chloromethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	cis-1,2-Dichloroethylene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	cis-1,3-Dichloropropene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Dichlorodifluoromethane	2.6	2.2	ppbv
TO15	SVE Stack-081009	GS	N	Ethylbenzene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Hexachlorobutadiene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	m,p-Xylene	5.1	< 5.1	ppbv
TO15	SVE Stack-081009	GS	N	Methylene chloride	2.6	1.3	ppbv
TO15	SVE Stack-081009	GS	N	o-Xylene	2.6	< 2.6	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	SVE Stack-081009	GS	N	Styrene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Tetrachloroethylene (PCE)	2.6	3	ppbv
TO15	SVE Stack-081009	GS	N	Toluene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	trans-1,3-Dichloropropene	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Trichloroethylene (TCE)	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Trichlorofluoromethane	2.6	< 2.6	ppbv
TO15	SVE Stack-081009	GS	N	Vinyl chloride	2.6	< 2.6	ppbv
TO15	SVE Stack-092209	GS	N	1,1,1-Trichloroethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,1,2,2-Tetrachloroethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,1,2-Trichloroethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,1-Dichloroethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,1-Dichloroethene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,2,4-Trichlorobenzene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,2,4-Trimethylbenzene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,2-Dichlorobenzene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,2-Dichloroethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,2-Dichloropropane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,3,5-Trimethylbenzene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,3-Dichlorobenzene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	1,4-Dichlorobenzene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Benzene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Bromomethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Carbon tetrachloride	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Chlorobenzene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Chloroethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Chloroform	2.1	5.5	ppbv
TO15	SVE Stack-092209	GS	N	Chloromethane	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	cis-1,2-Dichloroethylene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	cis-1,3-Dichloropropene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Dichlorodifluoromethane	2.1	1.8	ppbv
TO15	SVE Stack-092209	GS	N	Ethylbenzene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Hexachlorobutadiene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	m,p-Xylene	4.3	< 4.3	ppbv
TO15	SVE Stack-092209	GS	N	Methylene chloride	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	o-Xylene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Styrene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Tetrachloroethylene (PCE)	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Toluene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	trans-1,3-Dichloropropene	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Trichloroethylene (TCE)	2.1	< 2.1	ppbv
TO15	SVE Stack-092209	GS	N	Trichlorofluoromethane	2.1	1.2	ppbv
TO15	SVE Stack-092209	GS	N	Vinyl chloride	2.1	< 2.1	ppbv
TO15	SVE-2-081009	GS	N	1,1,1-Trichloroethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,1,2,2-Tetrachloroethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,1,2-Trichloroethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,1-Dichloroethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,1-Dichloroethene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,2,4-Trichlorobenzene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,2,4-Trimethylbenzene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,2-Dibromoethane (Ethylene dibromide)	13	< 13	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	SVE-2-081009	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,2-Dichlorobenzene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,2-Dichloroethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,2-Dichloropropane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,3,5-Trimethylbenzene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,3-Dichlorobenzene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	1,4-Dichlorobenzene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Benzene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Bromomethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Carbon tetrachloride	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Chlorobenzene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Chloroethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Chloroform	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Chloromethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	cis-1,2-Dichloroethylene	13	36	ppbv
TO15	SVE-2-081009	GS	N	cis-1,3-Dichloropropene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Dichlorodifluoromethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Ethylbenzene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Hexachlorobutadiene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	m,p-Xylene	25	< 25	ppbv
TO15	SVE-2-081009	GS	N	Methylene chloride	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	o-Xylene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Styrene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Toluene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	trans-1,3-Dichloropropene	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Trichloroethylene (TCE)	13	62	ppbv
TO15	SVE-2-081009	GS	N	Trichlorofluoromethane	13	< 13	ppbv
TO15	SVE-2-081009	GS	N	Vinyl chloride	13	< 13	ppbv
TO15	SVE-2-081009 (RE)	GS	N	Tetrachloroethylene (PCE)	510	5700	ppbv
TO15	SVE-3-081009	GS	N	Tetrachloroethylene (PCE)	5	88	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,1,1-Trichloroethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,1,2,2-Tetrachloroethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,1,2-Trichloroethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,1-Dichloroethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,1-Dichloroethene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,2,4-Trichlorobenzene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,2,4-Trimethylbenzene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,2-Dichlorobenzene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,2-Dichloroethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,2-Dichloropropane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,3,5-Trimethylbenzene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,3-Dichlorobenzene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	1,4-Dichlorobenzene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Benzene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Bromomethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Carbon tetrachloride	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Chlorobenzene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Chloroethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Chloroform	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Chloromethane	2.5	< 2.5	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	SVE-3-081009 (RE)	GS	N	cis-1,2-Dichloroethylene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	cis-1,3-Dichloropropene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Dichlorodifluoromethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Ethylbenzene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Hexachlorobutadiene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	m,p-Xylene	5	< 5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Methylene chloride	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	o-Xylene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Styrene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Toluene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	trans-1,3-Dichloropropene	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Trichloroethylene (TCE)	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Trichlorofluoromethane	2.5	< 2.5	ppbv
TO15	SVE-3-081009 (RE)	GS	N	Vinyl chloride	2.5	< 2.5	ppbv
TO15	SVE-4-081009	GS	N	Chloroform	26	67	ppbv
TO15	SVE-4-081009	GS	N	Tetrachloroethylene (PCE)	26	140	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,1,1-Trichloroethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,1,2,2-Tetrachloroethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,1,2-Trichloro-1,2,2-trifluoroethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,1,2-Trichloroethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,1-Dichloroethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,1-Dichloroethene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,2,4-Trichlorobenzene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,2,4-Trimethylbenzene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,2-Dibromoethane (Ethylene dibromide)	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,2-Dichloro-1,1,2,2-trifluoroethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,2-Dichlorobenzene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,2-Dichloroethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,2-Dichloropropane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,3,5-Trimethylbenzene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,3-Dichlorobenzene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	1,4-Dichlorobenzene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Benzene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Bromomethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Carbon tetrachloride	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Chlorobenzene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Chloroethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Chloromethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	cis-1,2-Dichloroethylene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	cis-1,3-Dichloropropene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Dichlorodifluoromethane	2.6	2.7	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Ethylbenzene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Hexachlorobutadiene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	m,p-Xylene	5.1	< 5.1	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Methylene chloride	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	o-Xylene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Styrene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Toluene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	trans-1,3-Dichloropropene	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Trichloroethylene (TCE)	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Trichlorofluoromethane	2.6	< 2.6	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Vinyl chloride	2.6	< 2.6	ppbv

TABLE B3

RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units

Notes:
µg/L - micrograms per liter
FB - Field Blank
FD - Field Duplicate
GS - Soil Gas
mg/L - milligrams per liter
N - Environmental Sample
pCi/L - picocuries per liter
ppbv - parts per billion by volume
RE- Sample Reanalysis
TB - Trip Blank
WG - Groundwater
WQ - Water Quality Control Matrix

TABLE B4

DETECTED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
D5174	EFF-072909	WG	N	Uranium, total	1	17.9	pCi/L
E160.1	EFF-072909	WG	N	Total Dissolved Solids	20	660	mg/L
E160.1	EFF-081009	WG	N	Total Dissolved Solids	20	650	mg/L
E160.1	EFF-081009 (FD)	WG	FD	Total Dissolved Solids	20	660	mg/L
E160.1	EFF-092209	WG	N	Total Dissolved Solids	20	650	mg/L
E524.2	EW-1-072909	WG	N	Chloroform	0.5	2.9	µg/L
E524.2	EW-1-072909 (RE)	WG	N	Tetrachloroethylene (PCE)	5	110	µg/L
E524.2	EW-1-081009	WG	N	Chloroform	0.5	2.6	µg/L
E524.2	EW-1-081009 (RE)	WG	N	Tetrachloroethylene (PCE)	10	250	µg/L
E524.2	EW-1-081009 (FD)	WG	FD	Chloroform	0.5	2.2	µg/L
E524.2	EW-1-081009 (FD)(RE)	WG	FD	Tetrachloroethylene (PCE)	5	190	µg/L
E524.2	EW-1-092209	WG	N	Tetrachloroethylene (PCE)	5	170	µg/L
E524.2	EW-1-092209 (RE)	WG	N	Chloroform	0.5	3.1	µg/L
TO15	GWT Pre GAC-072909	GS	N	Tetrachloroethylene (PCE)	27	490	ppbv
TO15	GWT Pre GAC-072909 (RE)	GS	N	Chloroform	2.7	9.7	ppbv
TO15	GWT Pre GAC-081009	GS	N	Tetrachloroethylene (PCE)	24	480	ppbv
TO15	GWT Pre GAC-081009 (RE)	GS	N	Chloroform	2.4	11	ppbv
TO15	GWT Pre GAC-092209	GS	N	Tetrachloroethylene (PCE)	22	280	ppbv
TO15	GWT Pre GAC-092209 (RE)	GS	N	Chloroform	2.2	11	ppbv
TO15	GWT Stack-072909	GS	N	Tetrachloroethylene (PCE)	29	310	ppbv
TO15	GWT Stack-072909 (RE)	GS	N	Chloroform	2.9	8.9	ppbv
TO15	GWT Stack-081009	GS	N	Tetrachloroethylene (PCE)	29	370	ppbv
TO15	GWT Stack-081009 (RE)	GS	N	Chloroform	2.9	9	ppbv
TO15	GWT Stack-092209	GS	N	Tetrachloroethylene (PCE)	22	210	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	1,2,4-Trichlorobenzene	2.2	1.2	ppbv
TO15	GWT Stack-092209 (RE)	GS	N	Chloroform	2.2	7.6	ppbv
E524.2	MW-1A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	1.4	µg/L

TABLE B4

DETECTED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-2A-33Q	WG	N	Chloroform	0.5	2.5	µg/L
E524.2	MW-2A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	4.8	µg/L
E524.2	MW-3A-33Q	WG	N	Tetrachloroethylene (PCE)	5	45	µg/L
E524.2	MW-3A-33Q (RE)	WG	N	Chloroform	0.5	1.1	µg/L
E524.2	MW-4A-33Q	WG	N	1,1,1,2-Tetrachloroethane	0.5	0.8	µg/L
E524.2	MW-4A-33Q	WG	N	Chloroform	0.5	1.6	µg/L
E524.2	MW-4A-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	1.4	µg/L
E524.2	MW-4A-33Q	WG	N	Trichloroethylene (TCE)	0.5	1.5	µg/L
E524.2	MW-4A-33Q (RE)	WG	N	Tetrachloroethylene (PCE)	50	1300	µg/L
E524.2	MW-4B-33Q	WG	N	cis-1,2-Dichloroethylene	0.5	0.5	µg/L
E524.2	MW-4B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	19	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	cis-1,2-Dichloroethylene	0.5	0.4	µg/L
E524.2	MW-4B-33Q (FD)	WG	FD	Tetrachloroethylene (PCE)	0.5	18	µg/L
E524.2	MW-5A-33Q	WG	N	Chloroform	0.5	0.6	µg/L
E524.2	MW-5A-33Q (RE)	WG	N	Tetrachloroethylene (PCE)	5	79	µg/L
E524.2	MW-6A-33Q	WG	N	Bromodichloromethane	0.5	0.4	µg/L
E524.2	MW-6A-33Q	WG	N	Chloroform	0.5	9.5	µg/L
E524.2	MW-6A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	4.2	µg/L
E524.2	MW-7A-33Q	WG	N	Chloroform	0.5	0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Bromodichloromethane	0.5	0.5	µg/L
E524.2	MW-8A-33Q	WG	N	Chloroform	0.5	10	µg/L
E524.2	MW-8A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	9.8	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Bromodichloromethane	0.5	0.5	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Chloroform	0.5	9.9	µg/L
E524.2	MW-8A-33Q (FD)	WG	FD	Tetrachloroethylene (PCE)	0.5	8.3	µg/L
E524.2	MW-9B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	17	µg/L
E524.2	MW-10A-33Q	WG	N	Tetrachloroethylene (PCE)	5	140	µg/L
E524.2	MW-10A-33Q (RE)	WG	N	Chloroform	0.5	2.8	µg/L
E524.2	MW-10B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	13	µg/L
E524.2	MW-11A-33Q	WG	N	Chloroform	0.5	5.3	µg/L
E524.2	MW-11A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	0.6	µg/L
E524.2	MW-12A-33Q	WG	N	Tetrachloroethylene (PCE)	2.5	23	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Chloroform	0.5	2	µg/L
E524.2	MW-12A-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	0.3	µg/L

TABLE B4

DETECTED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
E524.2	MW-13A-33Q	WG	N	Chloroform	0.5	3.2	µg/L
E524.2	MW-13A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	2.1	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Chloroform	0.5	3.2	µg/L
E524.2	MW-13A-33Q (FD)	WG	FD	Tetrachloroethylene (PCE)	0.5	2.1	µg/L
E524.2	MW-14A-33Q	WG	N	Chloroform	0.5	1	µg/L
E524.2	MW-14A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	1.3	µg/L
E524.2	MW-15A-33Q	WG	N	1,2-Dichloroethane	0.5	0.9	µg/L
E524.2	MW-15A-33Q	WG	N	Chloroform	0.5	1.6	µg/L
E524.2	MW-16A-33Q	WG	N	Chloroform	0.5	0.3	µg/L
E524.2	MW-16B-33Q	WG	N	Chloroform	0.5	0.4	µg/L
E524.2	MW-16B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	1.2	µg/L
E524.2	MW-17A-33Q	WG	N	Chloroform	0.5	3.6	µg/L
E524.2	MW-17A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	0.3	µg/L
E524.2	MW-17B-33Q	WG	N	Tetrachloroethylene (PCE)	2.5	40	µg/L
E524.2	MW-18A-33Q	WG	N	Chloroform	0.5	3.2	µg/L
E524.2	MW-18A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	2.4	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Chloroform	0.5	3.2	µg/L
E524.2	MW-18A-33Q (FD)	WG	FD	Tetrachloroethylene (PCE)	0.5	2.3	µg/L
E524.2	MW-19A-33Q	WG	N	Chloroform	0.5	0.7	µg/L
E524.2	MW-20A-33Q	WG	N	Tetrachloroethylene (PCE)	5	130	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Bromodichloromethane	0.5	0.4	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Chloroform	0.5	7.5	µg/L
E524.2	MW-20A-33Q (RE)	WG	N	Dichlorodifluoromethane	0.5	12	µg/L
E524.2	MW-20B-33Q	WG	N	Tetrachloroethylene (PCE)	5	150	µg/L
TO15	SVE Pre GAC-072909	GS	N	Tetrachloroethylene (PCE)	480	1200	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	1,2,4-Trimethylbenzene	2.4	2.7	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Chloroform	2.4	38	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	cis-1,2-Dichloroethylene	2.4	10	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Dichlorodifluoromethane	2.4	2.1	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	m,p-Xylene	4.8	4.5	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	o-Xylene	2.4	2.7	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Toluene	2.4	5	ppbv
TO15	SVE Pre GAC-072909 (RE)	GS	N	Trichloroethylene (TCE)	2.4	19	ppbv
TO15	SVE Pre GAC-081009	GS	N	Chloroform	2.9	44	ppbv
TO15	SVE Pre GAC-081009	GS	N	cis-1,2-Dichloroethylene	2.9	11	ppbv
TO15	SVE Pre GAC-081009	GS	N	Dichlorodifluoromethane	2.9	2.2	ppbv
TO15	SVE Pre GAC-081009	GS	N	Trichloroethylene (TCE)	2.9	20	ppbv

TABLE B4

DETECTED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units
TO15	SVE Pre GAC-081009 (RE)	GS	N	Tetrachloroethylene (PCE)	570	1800	ppbv
TO15	SVE Pre GAC-092209	GS	N	Chloroform	2.3	34	ppbv
TO15	SVE Pre GAC-092209	GS	N	cis-1,2-Dichloroethylene	2.3	3.3	ppbv
TO15	SVE Pre GAC-092209	GS	N	Trichloroethylene (TCE)	2.3	7.3	ppbv
TO15	SVE Pre GAC-092209 (RE)	GS	N	Tetrachloroethylene (PCE)	460	940	ppbv
TO15	SVE Stack-072909	GS	N	Chloroform	2.2	1.5	ppbv
TO15	SVE Stack-072909	GS	N	Dichlorodifluoromethane	2.2	2	ppbv
TO15	SVE Stack-072909	GS	N	Methylene chloride	2.2	3.1	ppbv
TO15	SVE Stack-072909	GS	N	Tetrachloroethylene (PCE)	2.2	2.3	ppbv
TO15	SVE Stack-081009	GS	N	Chloroform	2.6	3.9	ppbv
TO15	SVE Stack-081009	GS	N	Dichlorodifluoromethane	2.6	2.2	ppbv
TO15	SVE Stack-081009	GS	N	Methylene chloride	2.6	1.3	ppbv
TO15	SVE Stack-081009	GS	N	Tetrachloroethylene (PCE)	2.6	3	ppbv
TO15	SVE Stack-092209	GS	N	Chloroform	2.1	5.5	ppbv
TO15	SVE Stack-092209	GS	N	Dichlorodifluoromethane	2.1	1.8	ppbv
TO15	SVE Stack-092209	GS	N	Trichlorofluoromethane	2.1	1.2	ppbv
TO15	SVE-2-081009	GS	N	cis-1,2-Dichloroethylene	13	36	ppbv
TO15	SVE-2-081009	GS	N	Trichloroethylene (TCE)	13	62	ppbv
TO15	SVE-2-081009 (RE)	GS	N	Tetrachloroethylene (PCE)	510	5700	ppbv
TO15	SVE-3-081009	GS	N	Tetrachloroethylene (PCE)	5	88	ppbv
TO15	SVE-4-081009	GS	N	Chloroform	26	67	ppbv
TO15	SVE-4-081009	GS	N	Tetrachloroethylene (PCE)	26	140	ppbv
TO15	SVE-4-081009 (RE)	GS	N	Dichlorodifluoromethane	2.6	2.7	ppbv

Notes:
µg/L - micrograms per liter
FD - Field Duplicate
GS - Soil Gas
mg/L - milligrams per liter
N - Environmental Sample
pCi/L - picocurries per liter
ppbv - parts per billion by volume
RE- Sample Reanalysis
WG - Groundwater

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	CRB INF-081009	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB INF-081009	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB INF-081009	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB INF-081009	WG	N	Acetone	4	< 4	µg/L	UJ	10
E524.2	CRB INF-081009	WG	N	Bromomethane	0.5	< 0.5	µg/L	UJ	5
E524.2	CRB INF-081009	WG	N	Chloroethane	0.5	< 0.5	µg/L	UJ	5
E524.2	CRB INF-081009	WG	N	Chloroform	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB INF-081009	WG	N	Chloromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	CRB INF-081009	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB INF-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	CRB INF-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	CRB INF-081009	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB INF-081009	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	CRB Mid-081009	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB Mid-081009	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB Mid-081009	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB Mid-081009	WG	N	Acetone	4	< 4	µg/L	UJ	10
E524.2	CRB Mid-081009	WG	N	Bromomethane	0.5	< 0.5	µg/L	UJ	5
E524.2	CRB Mid-081009	WG	N	Chloroethane	0.5	< 0.5	µg/L	UJ	5
E524.2	CRB Mid-081009	WG	N	Chloroform	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB Mid-081009	WG	N	Chloromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	CRB Mid-081009	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB Mid-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	CRB Mid-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	CRB Mid-081009	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	CRB Mid-081009	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EFF-072909	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-072909	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	10

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	EFF-072909	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-072909	WG	N	Acetone	4	< 4	µg/L	UJ	10
E524.2	EFF-072909	WG	N	Bromomethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EFF-072909	WG	N	Chloroethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EFF-072909	WG	N	Chloroform	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-072909	WG	N	Chloromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EFF-072909	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-072909	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EFF-072909	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EFF-072909	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-072909	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EFF-081009	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-081009	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-081009	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-081009	WG	N	Acetone	4	< 4	µg/L	UJ	10
E524.2	EFF-081009	WG	N	Bromomethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EFF-081009	WG	N	Chloroethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EFF-081009	WG	N	Chloroform	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-081009	WG	N	Chloromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EFF-081009	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EFF-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EFF-081009	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	EFF-081009	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L	UJ	10
E524.2	EW-1-072909	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	2-Butanone (MEK)	4	< 4	µg/L	UJ	5,10

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	EW-1-072909	WG	N	Acetone	4	< 4	µg/L	R	5
E524.2	EW-1-072909	WG	N	Bromochloromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	Bromomethane	0.5	< 0.5	µg/L	UJ	10
E524.2	EW-1-072909	WG	N	Chloroethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	Chloroform	0.5	2.9	µg/L	J-	5,10
E524.2	EW-1-072909	WG	N	Chloromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909	WG	N	Vinyl chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-072909 (RE)	WG	N	Tetrachloroethylene (PCE)	5	110	µg/L	UJ	8,9
E524.2	EW-1-081009	WG	N	1,1-Dichloroethane	0.5	< 0.5	µg/L	UJ	8,9,10
E524.2	EW-1-081009	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	8,9,10
E524.2	EW-1-081009	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L	UJ	8,9,10
E524.2	EW-1-081009	WG	N	Acetone	4	< 4	µg/L	UJ	8,9,10
E524.2	EW-1-081009	WG	N	Bromochloromethane	0.5	< 0.5	µg/L	UJ	8
E524.2	EW-1-081009	WG	N	Bromomethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EW-1-081009	WG	N	Chloroethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EW-1-081009	WG	N	Chloroform	0.5	2.6	µg/L	J-	8,9,10
E524.2	EW-1-081009	WG	N	Chloromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EW-1-081009	WG	N	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L	UJ	8,9,10
E524.2	EW-1-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EW-1-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,8,9,10
E524.2	EW-1-081009	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	8,9,10
E524.2	EW-1-081009	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	5,10

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	EW-1-081009 (FD)	WG	FD	1,1-Dichloroethane	0.5	< 0.5	µg/L	UJ	10
E524.2	EW-1-081009 (FD)	WG	FD	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	EW-1-081009 (FD)	WG	FD	2,2-Dichloropropane	0.5	< 0.5	µg/L	UJ	10
E524.2	EW-1-081009 (FD)	WG	FD	Acetone	4	< 4	µg/L	UJ	10
E524.2	EW-1-081009 (FD)	WG	FD	Bromomethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EW-1-081009 (FD)	WG	FD	Chloroethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EW-1-081009 (FD)	WG	FD	Chloroform	0.5	2.2	µg/L	J-	10
E524.2	EW-1-081009 (FD)	WG	FD	Chloromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EW-1-081009 (FD)	WG	FD	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L	UJ	10
E524.2	EW-1-081009 (FD)	WG	FD	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	EW-1-081009 (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-081009 (FD)	WG	FD	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	EW-1-081009 (FD)	WG	FD	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	EW-1-081009 (RE)	WG	N	Tetrachloroethylene (PCE)	10	250	µg/L	J-	8,9
TO15	GWT Stack-092209 (RE)	GS	N	1,2,4-Trichlorobenzene	2.2	1.2	ppbv	J	24
E524.2	MW-1A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-1A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-2A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-2A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-3A-33Q	WG	N	Tetrachloroethylene (PCE)	5	45	µg/L	J-	10
E524.2	MW-3A-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-3A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-3A-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-3A-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-3A-33Q (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L	UJ	5

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	MW-3A-33Q (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-3A-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-4A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-4A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-4A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-4A-33Q (RE)	WG	N	Tetrachloroethylene (PCE)	50	1300	µg/L	J-	10
E524.2	MW-4B-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-4B-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-4B-33Q	WG	N	1,2-Dibromo-3-chloropropane	2	< 2	µg/L	UJ	8,9
E524.2	MW-4B-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-4B-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-4B-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,8,9,10
E524.2	MW-4B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-4B-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-4B-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-4B-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-4B-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-4B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	19	µg/L	J-	8,9
E524.2	MW-4B-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	8
E524.2	MW-4B-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	8,9,10
E524.2	MW-4B-33Q (FD)	WG	FD	cis-1,2-Dichloroethylene	0.5	0.4	µg/L	J	24
E524.2	MW-4B-33Q (FD)	WG	FD	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-4B-33Q (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-4B-33Q (FD)	WG	FD	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-4B-33Q (FD)	WG	FD	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-4B-33Q (FD)	WG	FD	sec-Butylbenzene	0.5	< 0.5	µg/L	UJ	5

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	MW-4B-33Q (FD)	WG	FD	t-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-4B-33Q (FD)	WG	FD	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-4C-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-4C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-4C-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-4C-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-5A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-5A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-5A-33Q (RE)	WG	N	Tetrachloroethylene (PCE)	5	79	µg/L	J-	10
E524.2	MW-6A-33Q	WG	N	Bromodichloromethane	0.5	0.4	µg/L	J	24
E524.2	MW-6A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-6A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-7A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-7A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-8A-33Q	WG	N	1,1,1-Trichloroethane	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	1,1-Dichloropropene	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	2,2-Dichloropropane	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	Carbon tetrachloride	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	Chloroform	0.5	10	µg/L	J-	9
E524.2	MW-8A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,8,9,10
E524.2	MW-8A-33Q	WG	N	Isopropylbenzene (Cumene)	0.5	< 0.5	µg/L	UJ	8,9

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	MW-8A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,8,9,10
E524.2	MW-8A-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	n-Propylbenzene	0.5	< 0.5	µg/L	UJ	9
E524.2	MW-8A-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	9
E524.2	MW-8A-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	9.8	µg/L	J-	8,9,10
E524.2	MW-8A-33Q	WG	N	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	8,9,10
E524.2	MW-8A-33Q	WG	N	Vinyl chloride	0.5	< 0.5	µg/L	UJ	8,9
E524.2	MW-8A-33Q (FD)	WG	FD	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-8A-33Q (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-9B-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-9B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-10A-33Q (RE)	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-10A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-10B-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-10B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-10B-33Q	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-10B-33Q	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-10B-33Q	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-10B-33Q	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-10B-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-10C-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-10C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	MW-11A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-11A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-12A-33Q	WG	N	Tetrachloroethylene (PCE)	2.5	23	µg/L	J-	10
E524.2	MW-12A-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-12A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-12A-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-12A-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-12A-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	0.3	µg/L	J-	10,24
E524.2	MW-13A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-13A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-13A-33Q (FD)	WG	FD	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-13A-33Q (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-14A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-14A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-15A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-15A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-16A-33Q	WG	N	Chloroform	0.5	0.3	µg/L	J	24
E524.2	MW-16A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-16A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-16B-33Q	WG	N	Chloroform	0.5	0.4	µg/L	J	24
E524.2	MW-16B-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-16B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	MW-16B-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	1.2	µg/L	J-	10
E524.2	MW-16B-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-16C-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-16C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-17A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-17A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-17A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	0.3	µg/L	J-	10,24
E524.2	MW-17A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-17B-33Q	WG	N	Tetrachloroethylene (PCE)	2.5	40	µg/L	J-	10
E524.2	MW-17B-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-17B-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-17B-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-17B-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-17B-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-17C-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-17C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-17C-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-17C-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-18A-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-18A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-18A-33Q	WG	N	Tetrachloroethylene (PCE)	0.5	2.4	µg/L	J-	10
E524.2	MW-18A-33Q	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	MW-18A-33Q (FD)	WG	FD	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-18A-33Q (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-18A-33Q (FD)	WG	FD	Tetrachloroethylene (PCE)	0.5	2.3	µg/L	J-	10
E524.2	MW-18A-33Q (FD)	WG	FD	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-19A-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-19A-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-19B-33Q	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-19B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-20A-33Q	WG	N	Tetrachloroethylene (PCE)	5	130	µg/L	J-	10
E524.2	MW-20A-33Q (RE)	WG	N	Bromodichloromethane	0.5	0.4	µg/L	J	24
E524.2	MW-20A-33Q (RE)	WG	N	Dichlorodifluoromethane	0.5	12	µg/L	J+	5
E524.2	MW-20A-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-20A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-20A-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-20A-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-20A-33Q (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-20A-33Q (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-20A-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-20B-33Q	WG	N	Tetrachloroethylene (PCE)	5	150	µg/L	J-	10
E524.2	MW-20B-33Q (RE)	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-20B-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-20B-33Q (RE)	WG	N	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-20B-33Q (RE)	WG	N	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-20B-33Q (RE)	WG	N	sec-Butylbenzene	0.5	< 0.5	µg/L	UJ	5

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	MW-20B-33Q (RE)	WG	N	t-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-20B-33Q (RE)	WG	N	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-20C-33Q	WG	N	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-20C-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-301-33Q	WQ	TB	1,1-Dichloroethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-301-33Q	WQ	TB	1,1-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-301-33Q	WQ	TB	2,2-Dichloropropane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-301-33Q	WQ	TB	Acetone	4	< 4	µg/L	UJ	10
E524.2	MW-301-33Q	WQ	TB	Bromomethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-301-33Q	WQ	TB	Chloroethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-301-33Q	WQ	TB	Chloroform	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-301-33Q	WQ	TB	Chloromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-301-33Q	WQ	TB	cis-1,2-Dichloroethylene	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-301-33Q	WQ	TB	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-301-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-301-33Q	WQ	TB	trans-1,2-Dichloroethene	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-301-33Q	WQ	TB	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-302-33Q	WQ	TB	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-302-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-303-33Q	WQ	TB	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-303-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-304-33Q	WQ	TB	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-304-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	MW-305-33Q	WQ	TB	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-305-33Q	WQ	TB	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-305-33Q	WQ	TB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-305-33Q	WQ	TB	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-401-33Q	WQ	FB	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-401-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-402-33Q	WQ	FB	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-402-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-403-33Q	WQ	FB	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-403-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-403-33Q	WQ	FB	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-403-33Q	WQ	FB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-403-33Q	WQ	FB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-403-33Q	WQ	FB	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-404-33Q	WQ	FB	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-404-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-404-33Q	WQ	FB	Tetrachloroethylene (PCE)	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-404-33Q	WQ	FB	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10
E524.2	MW-405-33Q	WQ	FB	Hexachlorobutadiene	0.5	< 0.5	µg/L	UJ	5,10
E524.2	MW-405-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-405-33Q	WQ	FB	n-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-405-33Q	WQ	FB	p-Cymene (p-isopropyltoluene)	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-405-33Q	WQ	FB	sec-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-405-33Q	WQ	FB	t-Butylbenzene	0.5	< 0.5	µg/L	UJ	5
E524.2	MW-405-33Q	WQ	FB	Trichlorofluoromethane	0.5	< 0.5	µg/L	UJ	10

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	Pre IEX-081009	WG	N	Dichlorodifluoromethane	0.5	< 0.5	µg/L	UJ	5
E524.2	Pre IEX-081009	WG	N	Methylene chloride	0.5	< 0.5	µg/L	UJ	5,10
TO15	SVE Pre GAC-072909 (RE)	GS	N	Dichlorodifluoromethane	2.4	2.1	ppbv	J	24
TO15	SVE Pre GAC-072909 (RE)	GS	N	m,p-Xylene	4.8	4.5	ppbv	J	24
TO15	SVE Pre GAC-081009	GS	N	Dichlorodifluoromethane	2.9	2.2	ppbv	J	24
TO15	SVE Stack-072909	GS	N	Chloroform	2.2	1.5	ppbv	J	24
TO15	SVE Stack-072909	GS	N	Dichlorodifluoromethane	2.2	2	ppbv	J	24
TO15	SVE Stack-081009	GS	N	Dichlorodifluoromethane	2.6	2.2	ppbv	J	24
TO15	SVE Stack-081009	GS	N	Methylene chloride	2.6	1.3	ppbv	J	24
TO15	SVE Stack-092209	GS	N	Dichlorodifluoromethane	2.1	1.8	ppbv	J+	5,24
TO15	SVE Stack-092209	GS	N	Trichlorofluoromethane	2.1	1.2	ppbv	J+	10,24

Notes:
EPA - Environmental Protection Agency
FB - Field Blank
FD - Field Duplicate
GS - Soil Gas
J - Result is an estimated value.
J- - Result is an estimated value; low bias.
J+ - Result is an estimated value; low bias.
µg/L - micrograms per liter
N - Environmental Sample
ppbv - parts per billion by volume
R - Result is invalid.

TABLE B5

QUALIFIED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes

RE - Sample Reanalysis
TB - Trip Blank
UJ - The analyte was analyzed for, but not detected. The sample detection limit is an estimated value.
WG - Groundwater
WQ - Water Quality Control Matrix

TABLE B6

REJECTED RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Sample Type	Analyte	Reporting Limit	Lab Result	Units	Epa Flags	Flag Notes
E524.2	EW-1-072909	WG	N	Acetone	4	< 4	µg/L	R	5
E524.2	MW-3A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-4B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-4B-33Q (FD)	WG	FD	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-10B-33Q	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-20A-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-20B-33Q (RE)	WG	N	Methylene chloride	0.5	< 0.5	µg/L	R	5
E524.2	MW-405-33Q	WQ	FB	Methylene chloride	0.5	< 0.5	µg/L	R	5

Notes:
µg/L - micrograms per liter
EPA - Environmental Protection Agency
FB - Field Blank
FD - Field Duplicate
N - Environmental Sample
R - Result is invalid.
RE - Sample Reanalysis
WG - Groundwater
WQ - Water Quality Control Matrix

TABLE B7

QUALIFICATION REASON CODE DEFINITIONS
MODESTO SUPERFUND SITE

Reason Code	Definition
1	Holding Times
2	Sample Preservation
3	Sample Custody
4	Missing Deliverables
5	Calibration
6	Field Blanks
7	Laboratory Blanks
8	Matrix Spike
9	Matrix Spike Duplicate
10	Laboratory Control Sample
11	Detection Limit
12	Standards
13	Surrogates
14	Field Duplicates
15	Furnace QC
16	ICP Serial Dilution
17	Chemical Recoveries
18	Trip Blanks
19	Internal Standards
20	Linear Range Exceeded
21	Potential False Positives
22	Do not use, other result more technically sound
23	Other
24	Result reported between MDL and RL

Notes:
ICP - Inductively Coupled Plasma
MDL - Method Detection Limit
QC - Quality Control
RL - Reporting Limit

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E160.1	EFF-081009	WG	Total Dissolved Solids	650		660		mg/L
E524.2	EW-1-081009	WG	1,1,1,2-Tetrachloroethane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,1,1-Trichloroethane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,1,2,2-Tetrachloroethane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,1,2-Trichloroethane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,1-Dichloroethane	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	1,1-Dichloroethene	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	1,1-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,2,3-Trichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,2,3-Trichloropropane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,2,4-Trichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,2,4-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,2-Dibromo-3-chloropropane	< 2		< 2		µg/L
E524.2	EW-1-081009	WG	1,2-Dibromoethane (Ethylene dibromide)	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,2-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,2-Dichloroethane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,2-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,3,5-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,3-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,3-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	1,4-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	2,2-Dichloropropane	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	2-Butanone (MEK)	< 4		< 4		µg/L
E524.2	EW-1-081009	WG	2-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	4-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Acetone	< 4	UJ	< 4	UJ	µg/L
E524.2	EW-1-081009	WG	Benzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Bromobenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Bromochloromethane	< 0.5	UJ	< 0.5		µg/L
E524.2	EW-1-081009	WG	Bromodichloromethane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Bromoform	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Bromomethane	< 0.5	UJ	< 0.5	UJ	µg/L

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E524.2	EW-1-081009	WG	Carbon tetrachloride	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Chlorobenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Chloroethane	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	Chloroform	2.6	J-	2.2	J-	µg/L
E524.2	EW-1-081009	WG	Chloromethane	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	cis-1,2-Dichloroethylene	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	cis-1,3-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Dibromochloromethane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Dibromomethane	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Dichlorodifluoromethane	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	Ethylbenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Hexachlorobutadiene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Isopropylbenzene (Cumene)	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	m,p-Xylene	< 1		< 1		µg/L
E524.2	EW-1-081009	WG	Methylene chloride	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	n-Butylbenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	n-Propylbenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Naphthalene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	o-Xylene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	p-Cymene (p-isopropyltoluene)	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	sec-Butylbenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Styrene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	t-Butylbenzene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	tert-Butyl methyl ether	< 2		< 2		µg/L
E524.2	EW-1-081009	WG	Toluene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	trans-1,2-Dichloroethene	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	trans-1,3-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Trichloroethylene (TCE)	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009	WG	Trichlorofluoromethane	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	EW-1-081009	WG	Vinyl chloride	< 0.5		< 0.5		µg/L
E524.2	EW-1-081009 (RE)	WG	Tetrachloroethylene (PCE)	250	J-	190		µg/L
E524.2	MW-4B-33Q	WG	1,1,1,2-Tetrachloroethane	< 0.5		< 0.5		µg/L

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E524.2	MW-4B-33Q	WG	1,1,1-Trichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,1,2,2-Tetrachloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,1,2-Trichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,1-Dichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,1-Dichloroethene	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,1-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,2,3-Trichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,2,3-Trichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,2,4-Trichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,2,4-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,2-Dibromo-3-chloropropane	< 2	UJ	< 2		µg/L
E524.2	MW-4B-33Q	WG	1,2-Dibromoethane (Ethylene dibromide)	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,2-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,2-Dichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,2-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,3,5-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,3-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,3-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	1,4-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	2,2-Dichloropropane	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-4B-33Q	WG	2-Butanone (MEK)	< 4		< 4		µg/L
E524.2	MW-4B-33Q	WG	2-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	4-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Acetone	< 4		< 4		µg/L
E524.2	MW-4B-33Q	WG	Benzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Bromobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Bromochloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Bromodichloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Bromoform	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Bromomethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Carbon tetrachloride	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Chlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Chloroethane	< 0.5		< 0.5		µg/L

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E524.2	MW-4B-33Q	WG	Chloroform	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Chloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	cis-1,2-Dichloroethylene	0.5		0.4	J	µg/L
E524.2	MW-4B-33Q	WG	cis-1,3-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Dibromochloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Dibromomethane	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Dichlorodifluoromethane	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Ethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Hexachlorobutadiene	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-4B-33Q	WG	Isopropylbenzene (Cumene)	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	m,p-Xylene	< 1		< 1		µg/L
E524.2	MW-4B-33Q	WG	Methylene chloride	< 0.5	R	< 0.5	R	µg/L
E524.2	MW-4B-33Q	WG	n-Butylbenzene	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-4B-33Q	WG	n-Propylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Naphthalene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	o-Xylene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	p-Cymene (p-isopropyltoluene)	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-4B-33Q	WG	sec-Butylbenzene	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-4B-33Q	WG	Styrene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	t-Butylbenzene	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-4B-33Q	WG	tert-Butyl methyl ether	< 2		< 2		µg/L
E524.2	MW-4B-33Q	WG	Tetrachloroethylene (PCE)	19	J-	18		µg/L
E524.2	MW-4B-33Q	WG	Toluene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	trans-1,2-Dichloroethene	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-4B-33Q	WG	trans-1,3-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Trichloroethylene (TCE)	< 0.5		< 0.5		µg/L
E524.2	MW-4B-33Q	WG	Trichlorofluoromethane	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-4B-33Q	WG	Vinyl chloride	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,1,1,2-Tetrachloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,1,1-Trichloroethane	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,1,2,2-Tetrachloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,1,2-Trichloroethane	< 0.5		< 0.5		µg/L

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E524.2	MW-8A-33Q	WG	1,1-Dichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,1-Dichloroethene	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,1-Dichloropropene	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,2,3-Trichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,2,3-Trichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,2,4-Trichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,2,4-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,2-Dibromo-3-chloropropane	< 2		< 2		µg/L
E524.2	MW-8A-33Q	WG	1,2-Dibromoethane (Ethylene dibromide)	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,2-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,2-Dichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,2-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,3,5-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,3-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,3-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	1,4-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	2,2-Dichloropropane	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	2-Butanone (MEK)	< 4		< 4		µg/L
E524.2	MW-8A-33Q	WG	2-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	4-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Acetone	< 4		< 4		µg/L
E524.2	MW-8A-33Q	WG	Benzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Bromobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Bromochloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Bromodichloromethane	0.5		0.5		µg/L
E524.2	MW-8A-33Q	WG	Bromoform	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Bromomethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Carbon tetrachloride	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Chlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Chloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Chloroform	10	J-	9.9		µg/L
E524.2	MW-8A-33Q	WG	Chloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	cis-1,2-Dichloroethylene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	cis-1,3-Dichloropropene	< 0.5		< 0.5		µg/L

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E524.2	MW-8A-33Q	WG	Dibromochloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Dibromomethane	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Dichlorodifluoromethane	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Ethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Hexachlorobutadiene	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-8A-33Q	WG	Isopropylbenzene (Cumene)	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	m,p-Xylene	< 1		< 1		µg/L
E524.2	MW-8A-33Q	WG	Methylene chloride	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-8A-33Q	WG	n-Butylbenzene	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	n-Propylbenzene	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Naphthalene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	o-Xylene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	p-Cymene (p-isopropyltoluene)	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	sec-Butylbenzene	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Styrene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	t-Butylbenzene	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	tert-Butyl methyl ether	< 2		< 2		µg/L
E524.2	MW-8A-33Q	WG	Tetrachloroethylene (PCE)	9.8	J-	8.3		µg/L
E524.2	MW-8A-33Q	WG	Toluene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	trans-1,2-Dichloroethene	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	trans-1,3-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Trichloroethylene (TCE)	< 0.5		< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Trichlorofluoromethane	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-8A-33Q	WG	Vinyl chloride	< 0.5	UJ	< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,1,1,2-Tetrachloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,1,1-Trichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,1,2,2-Tetrachloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,1,2-Trichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,1-Dichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,1-Dichloroethene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,1-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,2,3-Trichlorobenzene	< 0.5		< 0.5		µg/L

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E524.2	MW-13A-33Q	WG	1,2,3-Trichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,2,4-Trichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,2,4-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,2-Dibromo-3-chloropropane	< 2		< 2		µg/L
E524.2	MW-13A-33Q	WG	1,2-Dibromoethane (Ethylene dibromide)	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,2-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,2-Dichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,2-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,3,5-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,3-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,3-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	1,4-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	2,2-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	2-Butanone (MEK)	< 4		< 4		µg/L
E524.2	MW-13A-33Q	WG	2-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	4-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Acetone	< 4		< 4		µg/L
E524.2	MW-13A-33Q	WG	Benzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Bromobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Bromochloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Bromodichloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Bromoform	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Bromomethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Carbon tetrachloride	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Chlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Chloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Chloroform	3.2		3.2		µg/L
E524.2	MW-13A-33Q	WG	Chloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	cis-1,2-Dichloroethylene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	cis-1,3-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Dibromochloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Dibromomethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Dichlorodifluoromethane	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-13A-33Q	WG	Ethylbenzene	< 0.5		< 0.5		µg/L

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E524.2	MW-13A-33Q	WG	Hexachlorobutadiene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Isopropylbenzene (Cumene)	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	m,p-Xylene	< 1		< 1		µg/L
E524.2	MW-13A-33Q	WG	Methylene chloride	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-13A-33Q	WG	n-Butylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	n-Propylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Naphthalene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	o-Xylene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	p-Cymene (p-isopropyltoluene)	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	sec-Butylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Styrene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	t-Butylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	tert-Butyl methyl ether	< 2		< 2		µg/L
E524.2	MW-13A-33Q	WG	Tetrachloroethylene (PCE)	2.1		2.1		µg/L
E524.2	MW-13A-33Q	WG	Toluene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	trans-1,2-Dichloroethene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	trans-1,3-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Trichloroethylene (TCE)	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Trichlorofluoromethane	< 0.5		< 0.5		µg/L
E524.2	MW-13A-33Q	WG	Vinyl chloride	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,1,1,2-Tetrachloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,1,1-Trichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,1,2,2-Tetrachloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,1,2-Trichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,1-Dichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,1-Dichloroethene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,1-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,2,3-Trichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,2,3-Trichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,2,4-Trichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,2,4-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,2-Dibromo-3-chloropropane	< 2		< 2		µg/L

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E524.2	MW-18A-33Q	WG	1,2-Dibromoethane (Ethylene dibromide)	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,2-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,2-Dichloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,2-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,3,5-Trimethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,3-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,3-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	1,4-Dichlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	2,2-Dichloropropane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	2-Butanone (MEK)	< 4		< 4		µg/L
E524.2	MW-18A-33Q	WG	2-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	4-Chlorotoluene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Acetone	< 4		< 4		µg/L
E524.2	MW-18A-33Q	WG	Benzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Bromobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Bromochloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Bromodichloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Bromoform	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Bromomethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Carbon tetrachloride	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Chlorobenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Chloroethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Chloroform	3.2		3.2		µg/L
E524.2	MW-18A-33Q	WG	Chloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	cis-1,2-Dichloroethylene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	cis-1,3-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Dibromochloromethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Dibromomethane	< 0.5		< 0.5		µg/L

TABLE B8

FIELD DUPLICATE RESULTS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Field Sample Identification	Matrix	Analyte	Primary Result	EPA Flags	Field Duplicate Result	EPA Flags	Units
E524.2	MW-18A-33Q	WG	Dichlorodifluoromethane	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Ethylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Hexachlorobutadiene	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-18A-33Q	WG	Isopropylbenzene (Cumene)	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	m,p-Xylene	< 1		< 1		µg/L
E524.2	MW-18A-33Q	WG	Methylene chloride	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-18A-33Q	WG	n-Butylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	n-Propylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Naphthalene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	o-Xylene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	p-Cymene (p-isopropyltoluene)	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	sec-Butylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Styrene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	t-Butylbenzene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	tert-Butyl methyl ether	< 2		< 2		µg/L
E524.2	MW-18A-33Q	WG	Tetrachloroethylene (PCE)	2.4	J-	2.3	J-	µg/L
E524.2	MW-18A-33Q	WG	Toluene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	trans-1,2-Dichloroethene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	trans-1,3-Dichloropropene	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Trichloroethylene (TCE)	< 0.5		< 0.5		µg/L
E524.2	MW-18A-33Q	WG	Trichlorofluoromethane	< 0.5	UJ	< 0.5	UJ	µg/L
E524.2	MW-18A-33Q	WG	Vinyl chloride	< 0.5		< 0.5		µg/L

Notes:
µg/L - micrograms per liter
EPA - Environmental Protection Agency
J- - Result is an estimated value; low bias.
mg/L - milligrams per liter
pCi/L - picocurries per liter
R - Result is invalid.
RE - Sample Reanalysis
UJ - The analyte was analyzed for, but not detected. The sample detection limit is an estimated value.
WG - Groundwater

TABLE B9

SAMPLE BATCH SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Laboratory Batch	Preparation Date	Associated Samples	Matrix	Sample Type
D5174	ES090811	08/11/09	MB-08/11/09	WQ	LB
D5174	ES090811	08/11/09	EFF-072909	WG	N
E160.1	B9G0096	07/31/09	MB-07/31/09	WQ	LB
E160.1	B9G0096	07/31/09	EFF-072909	WG	N
E160.1	B9G0096	07/31/09	EFF-072909 (DUP)	WG	LR
E160.1	B9H0037	08/12/09	MB-08/12/09	WQ	LB
E160.1	B9H0037	08/12/09	EFF-081009	WG	N
E160.1	B9H0037	08/12/09	EFF-081009 (DUP)	WQ	LR
E160.1	B9H0037	08/12/09	EFF-081009 (FD)	WG	FD
E160.1	B9H0037	08/12/09	MW-401-33Q	WQ	FB
E160.1	B9I0154	09/23/09	MB-09/23/09	WQ	LB
E160.1	B9I0154	09/23/09	EFF-092209	WG	N
E160.1	B9I0154	09/23/09	EFF-092209 (DUP)	WG	LR
E524.2	B9H0012	08/05/09	MB-08/05/09	WQ	LB
E524.2	B9H0012	08/05/09	EW-1-072909	WG	N
E524.2	B9H0017	08/06/09	MB-08/06/09	WQ	LB
E524.2	B9H0017	08/06/09	EW-1-072909 (DUP)	WG	LR
E524.2	B9H0017	08/06/09	EW-1-072909 (MS)	WG	MS
E524.2	B9H0017	08/06/09	EW-1-072909 (MSD)	WG	SD
E524.2	B9H0017	08/06/09	EW-1-072909 (RE)	WG	N
E524.2	B9H0038	08/12/09	MB-08/12/09	WQ	LB
E524.2	B9H0038	08/12/09	CRB INF-081009	WG	N
E524.2	B9H0038	08/12/09	CRB Mid-081009	WG	N
E524.2	B9H0038	08/12/09	EFF-072909	WG	N
E524.2	B9H0038	08/12/09	EFF-081009	WG	N
E524.2	B9H0038	08/12/09	EW-1-081009	WG	N
E524.2	B9H0038	08/12/09	EW-1-081009 (FD)	WG	FD
E524.2	B9H0038	08/12/09	EW-1-081009 (FD)(RE)	WG	FD
E524.2	B9H0038	08/12/09	EW-1-081009 (MS)	WG	MS
E524.2	B9H0038	08/12/09	EW-1-081009 (MSD)	WG	SD
E524.2	B9H0038	08/12/09	EW-1-081009 (RE)	WG	N
E524.2	B9H0038	08/12/09	MW-301-33Q	WQ	TB
E524.2	B9H0041	08/13/09	MB-08/13/09	WQ	LB
E524.2	B9H0041	08/13/09	MW-10C-33Q	WG	N
E524.2	B9H0041	08/13/09	MW-19A-33Q	WG	N
E524.2	B9H0041	08/13/09	MW-302-33Q	WQ	TB
E524.2	B9H0041	08/13/09	MW-401-33Q	WQ	FB
E524.2	B9H0041	08/13/09	Pre IEX-081009	WG	N

TABLE B9

SAMPLE BATCH SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Laboratory Batch	Preparation Date	Associated Samples	Matrix	Sample Type
E524.2	B9H0045	08/14/09	MB-08/14/09	WQ	LB
E524.2	B9H0045	08/14/09	MW-6A-33Q	WG	N
E524.2	B9H0045	08/14/09	MW-10A-33Q	WG	N
E524.2	B9H0045	08/14/09	MW-10A-33Q (RE)	WG	N
E524.2	B9H0045	08/14/09	MW-13A-33Q	WG	N
E524.2	B9H0045	08/14/09	MW-13A-33Q (FD)	WG	FD
E524.2	B9H0045	08/14/09	MW-14A-33Q	WG	N
E524.2	B9H0045	08/14/09	MW-19B-33Q	WG	N
E524.2	B9H0045	08/14/09	MW-303-33Q	WQ	TB
E524.2	B9H0049	08/15/09	MB-08/15/09	WQ	LB
E524.2	B9H0049	08/15/09	MW-1A-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-2A-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-5A-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-7A-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-8A-33Q (FD)	WG	FD
E524.2	B9H0049	08/15/09	MW-9B-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-11A-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-15A-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-16A-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-16C-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-20C-33Q	WG	N
E524.2	B9H0049	08/15/09	MW-304-33Q	WQ	TB
E524.2	B9H0049	08/15/09	MW-402-33Q	WQ	FB
E524.2	B9H0050	08/19/09	MB-08/19/09	WQ	LB
E524.2	B9H0050	08/19/09	MW-4A-33Q	WG	N
E524.2	B9H0050	08/19/09	MW-4C-33Q	WG	N
E524.2	B9H0050	08/19/09	MW-8A-33Q	WG	N
E524.2	B9H0050	08/19/09	MW-8A-33Q (MS)	WG	MS
E524.2	B9H0050	08/19/09	MW-8A-33Q (MSD)	WG	SD
E524.2	B9H0050	08/19/09	MW-12A-33Q	WG	N
E524.2	B9H0050	08/19/09	MW-16B-33Q	WG	N
E524.2	B9H0050	08/19/09	MW-17A-33Q	WG	N
E524.2	B9H0050	08/19/09	MW-17C-33Q	WG	N
E524.2	B9H0050	08/19/09	MW-18A-33Q	WG	N
E524.2	B9H0050	08/19/09	MW-18A-33Q (FD)	WG	FD
E524.2	B9H0050	08/19/09	MW-305-33Q	WQ	TB
E524.2	B9H0050	08/19/09	MW-404-33Q	WQ	FB
E524.2	B9H0063	08/21/09	MB-08/21/09	WQ	LB
E524.2	B9H0063	08/21/09	MW-3A-33Q	WG	N
E524.2	B9H0063	08/21/09	MW-4A-33Q (RE)	WG	N
E524.2	B9H0063	08/21/09	MW-4B-33Q (MS)	WG	MS
E524.2	B9H0063	08/21/09	MW-4B-33Q (MSD)	WG	SD
E524.2	B9H0063	08/21/09	MW-5A-33Q (RE)	WG	N

TABLE B9

SAMPLE BATCH SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Laboratory Batch	Preparation Date	Associated Samples	Matrix	Sample Type
E524.2	B9H0063	08/21/09	MW-12A-33Q (RE)	WG	N
E524.2	B9H0063	08/21/09	MW-17B-33Q	WG	N
E524.2	B9H0063	08/21/09	MW-17B-33Q (RE)	WG	N
E524.2	B9H0063	08/21/09	MW-20A-33Q	WG	N
E524.2	B9H0063	08/21/09	MW-20B-33Q	WG	N
E524.2	B9H0063	08/21/09	MW-403-33Q	WQ	FB
E524.2	B9H0082	08/24/09	MB-08/24/09	WQ	LB
E524.2	B9H0082	08/24/09	MW-3A-33Q (RE)	WG	N
E524.2	B9H0082	08/24/09	MW-4B-33Q	WG	N
E524.2	B9H0082	08/24/09	MW-4B-33Q (FD)	WG	FD
E524.2	B9H0082	08/24/09	MW-10B-33Q	WG	N
E524.2	B9H0082	08/24/09	MW-20A-33Q (RE)	WG	N
E524.2	B9H0082	08/24/09	MW-20B-33Q (RE)	WG	N
E524.2	B9H0082	08/24/09	MW-405-33Q	WQ	FB
E524.2	B9I0164	09/24/09	MB-09/24/09	WQ	LB
E524.2	B9I0164	09/24/09	EFF-092209	WG	N
E524.2	B9I0164	09/24/09	EW-1-092209	WG	N
E524.2	B9I0164	09/24/09	EW-1-092209 (RE)	WG	N
E524.2	B9I0164	09/24/09	MW-306-33Q	WQ	TB
TO15	B9G0087	07/30/09	MB-07/29/09	GQ	LB
TO15	B9G0087	07/30/09	GWT Pre GAC-072909	GS	N
TO15	B9G0087	07/30/09	GWT Pre GAC-072909 (RE)	GS	N
TO15	B9G0087	07/30/09	GWT Stack-072909	GS	N
TO15	B9G0087	07/30/09	GWT Stack-072909 (RE)	GS	N
TO15	B9G0087	07/30/09	SVE Stack-072909	GS	N
TO15	B9G0106	07/31/09	MB-07/31/09	GQ	LB
TO15	B9G0106	07/31/09	SVE Pre GAC-072909	GS	N
TO15	B9G0106	07/31/09	SVE Pre GAC-072909 (DUP)	GS	LR
TO15	B9G0106	07/31/09	SVE Pre GAC-072909 (RE)	GS	N
TO15	B9H0033	08/11/09	MB-08/11/09	GQ	LB
TO15	B9H0033	08/12/09	GWT Pre GAC-081009	GS	N
TO15	B9H0033	08/12/09	GWT Pre GAC-081009 (RE)	GS	N
TO15	B9H0033	08/12/09	GWT Stack-081009	GS	N
TO15	B9H0033	08/12/09	GWT Stack-081009 (RE)	GS	N
TO15	B9H0033	08/12/09	SVE Pre GAC-081009	GS	N
TO15	B9H0033	08/12/09	SVE Pre GAC-081009 (DUP)	GS	LR
TO15	B9H0033	08/12/09	SVE Pre GAC-081009 (RE)	GS	N
TO15	B9H0033	08/11/09	SVE Stack-081009	GS	N
TO15	B9H0033	08/12/09	SVE-2-081009	GS	N
TO15	B9H0033	08/12/09	SVE-2-081009 (RE)	GS	N
TO15	B9H0033	08/12/09	SVE-3-081009	GS	N

TABLE B9

SAMPLE BATCH SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Laboratory Batch	Preparation Date	Associated Samples	Matrix	Sample Type
TO15	B9H0033	08/12/09	SVE-3-081009 (RE)	GS	N
TO15	B9H0033	08/11/09	SVE-4-081009	GS	N
TO15	B9H0033	08/11/09	SVE-4-081009 (RE)	GS	N
TO15	B9I0145	09/23/09	MB-09/23/09	GQ	LB
TO15	B9I0145	09/24/09	GWT Pre GAC-092209	GS	N
TO15	B9I0145	09/24/09	GWT Pre GAC-092209 (RE)	GS	N
TO15	B9I0145	09/23/09	GWT Stack-092209	GS	N
TO15	B9I0145	09/23/09	GWT Stack-092209 (DUP)	GS	LR
TO15	B9I0145	09/23/09	GWT Stack-092209 (RE)	GS	N
TO15	B9I0145	09/24/09	SVE Pre GAC-092209	GS	N
TO15	B9I0145	09/24/09	SVE Pre GAC-092209 (RE)	GS	N
TO15	B9I0145	09/23/09	SVE Stack-092209	GS	N

Notes:
DUP - Laboratory Duplicate
FB - Field Blank
FD - Field Duplicate
GQ - Gaseous Phase Quality Control Matrix
GS - Soil Gas
LB - Laboratory Blank
LR - Laboratory Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
N - Environmental Sample
RE - Sample Reanalysis
SD - Matrix Spike Duplicate
TB - Trip Blank
WG - Ground Water
WQ - Water Quality Control Matrix

TABLE B10

LABORATORY CONTROL SAMPLE RECOVERY OUTLIERS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Laboratory Batch	Analyte	Expected Concentration	LCS Recovery (%)	Control Limits	Accuracy Acceptance
E524.2	B9H0012	1,1,2-Trichloro-1,2,2-trifluoroethane	100	76	80-120	no
E524.2	B9H0012	1,1-Dichloroethane	100	71	80-120	no
E524.2	B9H0012	1,1-Dichloroethene	100	64	80-120	no
E524.2	B9H0012	1,2,3-Trichlorobenzene	100	130	80-120	no
E524.2	B9H0012	2-Butanone (MEK)	100	61	80-120	no
E524.2	B9H0012	Acetone	100	45	80-120	no
E524.2	B9H0012	Bromochloromethane	100	72	80-120	no
E524.2	B9H0012	Bromomethane	100	76	80-120	no
E524.2	B9H0012	Chloroethane	100	70	80-120	no
E524.2	B9H0012	Chloroform	100	73	80-120	no
E524.2	B9H0012	Chloromethane	100	66	80-120	no
E524.2	B9H0012	cis-1,2-Dichloroethylene	100	73	80-120	no
E524.2	B9H0012	Dichlorodifluoromethane	100	66	80-120	no
E524.2	B9H0012	Methylene chloride	100	62	80-120	no
E524.2	B9H0012	Naphthalene	100	162	80-120	no
E524.2	B9H0012	trans-1,2-Dichloroethene	100	69	80-120	no
E524.2	B9H0012	Trichlorofluoromethane	100	70	80-120	no
E524.2	B9H0012	Vinyl chloride	100	69	80-120	no
E524.2	B9H0017	2,2-Dichloropropane	100	121	80-120	no
E524.2	B9H0017	Naphthalene	100	136	80-120	no
E524.2	B9H0038	1,1-Dichloroethane	100	75	80-120	no
E524.2	B9H0038	1,1-Dichloroethene	100	65	80-120	no
E524.2	B9H0038	2,2-Dichloropropane	100	79	80-120	no
E524.2	B9H0038	Acetone	100	69	80-120	no
E524.2	B9H0038	Chloroform	100	79	80-120	no
E524.2	B9H0038	cis-1,2-Dichloroethylene	100	78	80-120	no
E524.2	B9H0038	Methylene chloride	100	43	80-120	no
E524.2	B9H0038	Naphthalene	100	122	80-120	no
E524.2	B9H0038	trans-1,2-Dichloroethene	100	70	80-120	no
E524.2	B9H0038	Trichlorofluoromethane	100	74	80-120	no
E524.2	B9H0041	Bromomethane	100	126	80-120	no
E524.2	B9H0041	Dichlorodifluoromethane	100	128	80-120	no
E524.2	B9H0041	Methylene chloride	100	61	80-120	no
E524.2	B9H0045	1,2-Dibromo-3-chloropropane	100	122	80-120	no
E524.2	B9H0045	2-Butanone (MEK)	100	125	80-120	no
E524.2	B9H0045	Bromomethane	100	133	80-120	no
E524.2	B9H0045	Chloromethane	100	137	80-120	no
E524.2	B9H0045	Dichlorodifluoromethane	100	152	80-120	no
E524.2	B9H0045	Methylene chloride	100	64	80-120	no
E524.2	B9H0045	n-Butylbenzene	100	121	80-120	no
E524.2	B9H0045	sec-Butylbenzene	100	121	80-120	no
E524.2	B9H0045	trans-1,3-Dichloropropene	100	123	80-120	no

TABLE B10

LABORATORY CONTROL SAMPLE RECOVERY OUTLIERS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Laboratory Batch	Analyte	Expected Concentration	LCS Recovery (%)	Control Limits	Accuracy Acceptance
E524.2	B9H0045	Vinyl chloride	100	129	80-120	no
E524.2	B9H0049	2-Butanone (MEK)	100	137	80-120	no
E524.2	B9H0049	Hexachlorobutadiene	100	65	80-120	no
E524.2	B9H0049	Methylene chloride	100	55	80-120	no
E524.2	B9H0050	Hexachlorobutadiene	100	61	80-120	no
E524.2	B9H0050	Methylene chloride	100	52	80-120	no
E524.2	B9H0050	Tetrachloroethylene (PCE)	100	76	80-120	no
E524.2	B9H0050	Trichlorofluoromethane	100	76	80-120	no
E524.2	B9H0063	1,2-Dibromo-3-chloropropane	100	122	80-120	no
E524.2	B9H0063	2-Butanone (MEK)	100	124	80-120	no
E524.2	B9H0063	Hexachlorobutadiene	100	59	80-120	no
E524.2	B9H0063	Methylene chloride	100	54	80-120	no
E524.2	B9H0063	n-Butylbenzene	100	79	80-120	no
E524.2	B9H0063	p-Cymene (p-isopropyltoluene)	100	79	80-120	no
E524.2	B9H0063	Tetrachloroethylene (PCE)	100	76	80-120	no
E524.2	B9H0063	Trichlorofluoromethane	100	78	80-120	no
E524.2	B9H0082	1,2-Dibromo-3-chloropropane	100	129	80-120	no
E524.2	B9H0082	2-Butanone (MEK)	100	135	80-120	no
E524.2	B9H0082	Hexachlorobutadiene	100	61	80-120	no
E524.2	B9H0082	Methylene chloride	100	57	80-120	no
E524.2	B9H0082	trans-1,3-Dichloropropene	100	122	80-120	no
E524.2	B9H0082	Trichlorofluoromethane	100	78	80-120	no
E524.2	B9I0164	Naphthalene	100	121	80-120	no
TO15	B9I0145	1,2-Dichloroethane	100	134	70-130	no
TO15	B9I0145	Trichlorofluoromethane	100	136	70-130	no

Notes:
% - Percent
LCS - Laboratory Control Sample

TABLE B11

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERY OUTLIERS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Laboratory Batch	Field Sample Identification	Analyte	MS Recovery (%)	MSD Recovery (%)	Control Limits (%)	Accuracy Acceptance	RPD (%)	RPD Control Limits (%)	Precision Acceptance
E524.2	B9H0012	EW-1-072909	Naphthalene	131	114	70-130	no	13.9	25	yes
E524.2	B9H0017	EW-1-072909	Tetrachloroethylene (PCE)	66	60	70-130	no	9.5	25	yes
E524.2	B9H0038	EW-1-081009	1,1-Dichloroethane	65	68	70-130	no	4.5	25	yes
E524.2	B9H0038	EW-1-081009	1,1-Dichloroethene	52	55	70-130	no	5.6	25	yes
E524.2	B9H0038	EW-1-081009	2,2-Dichloropropane	64	68	70-130	no	6.1	25	yes
E524.2	B9H0038	EW-1-081009	Acetone	65	67	70-130	no	3.0	25	yes
E524.2	B9H0038	EW-1-081009	Bromochloromethane	68	71	70-130	no	4.3	25	yes
E524.2	B9H0038	EW-1-081009	Chloroform	58	54	70-130	no	7.1	25	yes
E524.2	B9H0038	EW-1-081009	cis-1,2-Dichloroethylene	66	69	70-130	no	4.4	25	yes
E524.2	B9H0038	EW-1-081009	Methylene chloride	37	38	70-130	no	2.7	25	yes
E524.2	B9H0038	EW-1-081009	Tetrachloroethylene (PCE)	0	0	70-130	no	0.0	25	yes
E524.2	B9H0038	EW-1-081009	trans-1,2-Dichloroethene	58	61	70-130	no	5.0	25	yes
E524.2	B9H0082	MW-4B-33Q	1,1,2-Trichloro-1,2,2-trifluoroethane	55	58	70-130	no	5.3	25	yes
E524.2	B9H0082	MW-4B-33Q	1,1-Dichloroethene	57	61	70-130	no	6.8	25	yes
E524.2	B9H0082	MW-4B-33Q	1,2-Dibromo-3-chloropropane	131	130	70-130	no	0.8	25	yes
E524.2	B9H0082	MW-4B-33Q	2,2-Dichloropropane	65	66	70-130	no	1.5	25	yes
E524.2	B9H0082	MW-4B-33Q	Dichlorodifluoromethane	64	62	70-130	no	3.2	25	yes
E524.2	B9H0082	MW-4B-33Q	Hexachlorobutadiene	50	51	70-130	no	2.0	25	yes
E524.2	B9H0082	MW-4B-33Q	Methylene chloride	48	49	70-130	no	2.1	25	yes
E524.2	B9H0082	MW-4B-33Q	Tetrachloroethylene (PCE)	0	0	70-130	no	0.0	25	yes
E524.2	B9H0082	MW-4B-33Q	trans-1,2-Dichloroethene	67	70	70-130	no	4.4	25	yes
E524.2	B9H0082	MW-4B-33Q	Trichlorofluoromethane	55	56	70-130	no	1.8	25	yes
E524.2	B9H0050	MW-8A-33Q	1,1,1-Trichloroethane	67	66	70-130	no	1.5	25	yes
E524.2	B9H0050	MW-8A-33Q	1,1,2-Trichloro-1,2,2-trifluoroethane	41	41	70-130	no	0.0	25	yes
E524.2	B9H0050	MW-8A-33Q	1,1-Dichloroethene	52	52	70-130	no	0.0	25	yes
E524.2	B9H0050	MW-8A-33Q	1,1-Dichloropropene	62	62	70-130	no	0.0	25	yes
E524.2	B9H0050	MW-8A-33Q	2,2-Dichloropropane	63	61	70-130	no	3.2	25	yes
E524.2	B9H0050	MW-8A-33Q	Carbon tetrachloride	61	59	70-130	no	3.3	25	yes
E524.2	B9H0050	MW-8A-33Q	Chloroform	70	66	70-130	no	5.9	25	yes
E524.2	B9H0050	MW-8A-33Q	Dichlorodifluoromethane	62	60	70-130	no	3.3	25	yes

TABLE B11

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERY OUTLIERS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Laboratory Batch	Field Sample Identification	Analyte	MS Recovery (%)	MSD Recovery (%)	Control Limits (%)	Accuracy Acceptance	RPD (%)	RPD Control Limits (%)	Precision Acceptance
E524.2	B9H0050	MW-8A-33Q	Hexachlorobutadiene	46	44	70-130	no	4.4	25	yes
E524.2	B9H0050	MW-8A-33Q	Isopropylbenzene (Cumene)	70	68	70-130	no	2.9	25	yes
E524.2	B9H0050	MW-8A-33Q	Methylene chloride	48	48	70-130	no	0.0	25	yes
E524.2	B9H0050	MW-8A-33Q	n-Butylbenzene	65	62	70-130	no	4.7	25	yes
E524.2	B9H0050	MW-8A-33Q	n-Propylbenzene	71	68	70-130	no	4.3	25	yes
E524.2	B9H0050	MW-8A-33Q	p-Cymene (p-isopropyltoluene)	66	64	70-130	no	3.1	25	yes
E524.2	B9H0050	MW-8A-33Q	sec-Butylbenzene	63	60	70-130	no	4.9	25	yes
E524.2	B9H0050	MW-8A-33Q	t-Butylbenzene	67	65	70-130	no	3.0	25	yes
E524.2	B9H0050	MW-8A-33Q	Tetrachloroethylene (PCE)	24	16	70-130	no	40.0	25	no
E524.2	B9H0050	MW-8A-33Q	trans-1,2-Dichloroethene	67	66	70-130	no	1.5	25	yes
E524.2	B9H0050	MW-8A-33Q	Trichlorofluoromethane	43	43	70-130	no	0.0	25	yes
E524.2	B9H0050	MW-8A-33Q	Vinyl chloride	67	65	70-130	no	3.0	25	yes

Notes:
% - Percent
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference

TABLE B12

COMPLETENESS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Analyte	Possible Results	Analytical Completeness Qualified Results	Analytical Completeness Percent (%)	Technical Completeness Rejected Results	Technical Completeness Percent (%)
Air						
TO15						
	1,1,1-Trichloroethane	15	0	100.0%	0	100.0%
	1,1,2,2-Tetrachloroethane	15	0	100.0%	0	100.0%
	1,1,2-Trichloro-1,2,2-trifluoroethane	15	0	100.0%	0	100.0%
	1,1,2-Trichloroethane	15	0	100.0%	0	100.0%
	1,1-Dichloroethane	15	0	100.0%	0	100.0%
	1,1-Dichloroethene	15	0	100.0%	0	100.0%
	1,2,4-Trichlorobenzene	15	1	93.3%	0	100.0%
	1,2,4-Trimethylbenzene	15	0	100.0%	0	100.0%
	1,2-Dibromoethane (Ethylene dibromide)	15	0	100.0%	0	100.0%
	1,2-Dichloro-1,1,2,2-trifluoroethane	15	0	100.0%	0	100.0%
	1,2-Dichlorobenzene	15	0	100.0%	0	100.0%
	1,2-Dichloroethane	15	0	100.0%	0	100.0%
	1,2-Dichloropropane	15	0	100.0%	0	100.0%
	1,3,5-Trimethylbenzene	15	0	100.0%	0	100.0%
	1,3-Dichlorobenzene	15	0	100.0%	0	100.0%
	1,4-Dichlorobenzene	15	0	100.0%	0	100.0%
	Benzene	15	0	100.0%	0	100.0%
	Bromomethane	15	0	100.0%	0	100.0%
	Carbon tetrachloride	15	0	100.0%	0	100.0%
	Chlorobenzene	15	0	100.0%	0	100.0%
	Chloroethane	15	0	100.0%	0	100.0%
	Chloroform	15	1	93.3%	0	100.0%
	Chloromethane	15	0	100.0%	0	100.0%
	cis-1,2-Dichloroethylene	15	0	100.0%	0	100.0%
	cis-1,3-Dichloropropene	15	0	100.0%	0	100.0%
	Dichlorodifluoromethane	15	5	66.7%	0	100.0%
	Ethylbenzene	15	0	100.0%	0	100.0%
	Hexachlorobutadiene	15	0	100.0%	0	100.0%
	m,p-Xylene	15	1	93.3%	0	100.0%
	Methylene chloride	15	1	93.3%	0	100.0%
	o-Xylene	15	0	100.0%	0	100.0%
	Styrene	15	0	100.0%	0	100.0%
	Tetrachloroethylene (PCE)	15	0	100.0%	0	100.0%
	Toluene	15	0	100.0%	0	100.0%
	trans-1,3-Dichloropropene	15	0	100.0%	0	100.0%
	Trichloroethylene (TCE)	15	0	100.0%	0	100.0%
	Trichlorofluoromethane	15	1	93.3%	0	100.0%
	Vinyl chloride	15	0	100.0%	0	100.0%
Water						
D5174						
	Uranium, total	1	0	100.0%	0	100.0%
EPA 160.1						
	Total Dissolved Solids	5	0	100.0%	0	100.0%
EPA 524.2						
	1,1,1,2-Tetrachloroethane	56	0	100.0%	0	100.0%
	1,1,1-Trichloroethane	56	1	98.2%	0	100.0%
	1,1,2,2-Tetrachloroethane	56	0	100.0%	0	100.0%
	1,1,2-Trichloro-1,2,2-trifluoroethane	56	3	94.6%	0	100.0%
	1,1,2-Trichloroethane	56	0	100.0%	0	100.0%
	1,1-Dichloroethane	56	8	85.7%	0	100.0%
	1,1-Dichloroethene	56	10	82.1%	0	100.0%
	1,1-Dichloropropene	56	1	98.2%	0	100.0%
	1,2,3-Trichlorobenzene	56	0	100.0%	0	100.0%
	1,2,3-Trichloropropane	56	0	100.0%	0	100.0%
	1,2,4-Trichlorobenzene	56	0	100.0%	0	100.0%

TABLE B12

COMPLETENESS SUMMARY
MODESTO SUPERFUND SITE

Analytical Method	Analyte	Possible Results	Analytical Completeness Qualified Results	Analytical Completeness Percent (%)	Technical Completeness Rejected Results	Technical Completeness Percent (%)
EPA 524.2 (continued)						
	1,2,4-Trimethylbenzene	56	0	100.0%	0	100.0%
	1,2-Dibromo-3-chloropropane	56	1	98.2%	0	100.0%
	1,2-Dibromoethane (Ethylene dibromide)	56	0	100.0%	0	100.0%
	1,2-Dichlorobenzene	56	0	100.0%	0	100.0%
	1,2-Dichloroethane	56	0	100.0%	0	100.0%
	1,2-Dichloropropane	56	0	100.0%	0	100.0%
	1,3,5-Trimethylbenzene	56	0	100.0%	0	100.0%
	1,3-Dichlorobenzene	56	0	100.0%	0	100.0%
	1,3-Dichloropropane	56	0	100.0%	0	100.0%
	1,4-Dichlorobenzene	56	0	100.0%	0	100.0%
	2,2-Dichloropropane	56	9	83.9%	0	100.0%
	2-Butanone (MEK)	56	1	98.2%	0	100.0%
	2-Chlorotoluene	56	0	100.0%	0	100.0%
	4-Chlorotoluene	56	0	100.0%	0	100.0%
	Acetone	56	8	85.7%	1	98.2%
	Benzene	56	0	100.0%	0	100.0%
	Bromobenzene	56	0	100.0%	0	100.0%
	Bromochloromethane	56	2	96.4%	0	100.0%
	Bromodichloromethane	56	2	96.4%	0	100.0%
	Bromoform	56	0	100.0%	0	100.0%
	Bromomethane	56	8	85.7%	0	100.0%
	Carbon tetrachloride	56	1	98.2%	0	100.0%
	Chlorobenzene	56	0	100.0%	0	100.0%
	Chloroethane	56	8	85.7%	0	100.0%
	Chloroform	56	11	80.4%	0	100.0%
	Chloromethane	56	8	85.7%	0	100.0%
	cis-1,2-Dichloroethylene	56	9	83.9%	0	100.0%
	cis-1,3-Dichloropropene	56	0	100.0%	0	100.0%
	Dibromochloromethane	56	0	100.0%	0	100.0%
	Dibromomethane	56	0	100.0%	0	100.0%
	Dichlorodifluoromethane	56	23	58.9%	0	100.0%
	Ethylbenzene	56	0	100.0%	0	100.0%
	Hexachlorobutadiene	56	33	41.1%	0	100.0%
	Isopropylbenzene (Cumene)	56	1	98.2%	0	100.0%
	m,p-Xylene	56	0	100.0%	0	100.0%
	Methylene chloride	56	53	5.4%	7	87.5%
	n-Butylbenzene	56	11	80.4%	0	100.0%
	n-Propylbenzene	56	1	98.2%	0	100.0%
	Naphthalene	56	0	100.0%	0	100.0%
	o-Xylene	56	0	100.0%	0	100.0%
	p-Cymene (p-isopropyltoluene)	56	11	80.4%	0	100.0%
	sec-Butylbenzene	56	8	85.7%	0	100.0%
	Styrene	56	0	100.0%	0	100.0%
	t-Butylbenzene	56	8	85.7%	0	100.0%
	tert-Butyl methyl ether	56	0	100.0%	0	100.0%
	Tetrachloroethylene (PCE)	56	20	64.3%	0	100.0%
	Toluene	56	0	100.0%	0	100.0%
	trans-1,2-Dichloroethene	56	10	82.1%	0	100.0%
	trans-1,3-Dichloropropene	56	0	100.0%	0	100.0%
	Trichloroethylene (TCE)	56	0	100.0%	0	100.0%
	Trichlorofluoromethane	56	28	50.0%	0	100.0%
	Vinyl chloride	56	2	96.4%	0	100.0%
	Total:	4104	310	92.4%	8	99.8%

APPENDIX C

LABORATORY DATA VALIDATION REPORTS

LABORATORY DATA CONSULTANTS, INC.
7750 El Camino Real, Suite 2L Carlsbad, CA 92009 Phone: 760/634-0437 Fax: 760/634-0439

MWH Americas, Inc.
3321 Power Inn Road, Suite 300
Sacramento, CA 95826
ATTN: Mr. Mark Frey

November 5, 2009

SUBJECT: Modesto Superfund Site-33Q, Data Validation

Dear Mr. Frey,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on October 20, 2009. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC project # 21799:

SDG #	Fraction
R907136-8367, 09211C, 09211D, 09223C, 09223D, 09224A, 09230B, 09266A, 09266C	Volatiles, Total Dissolved Solids, Uranium

The data validation was performed under EPA Level III guidelines. The analyses were validated using the following documents, as applicable to each method:

- Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, CA, May 2001
- USEPA, Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review, June 2008
- USEPA, Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, October 2004
- Methods for the Determination of Organic Compounds in Drinking Water, Supplement III, August 1995.

Please feel free to contact us if you have any questions.

Sincerely,

Erlinda T. Rauto
Operations Manager/Senior Chemist

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Attachment 1

Level III

LDC #21799 (MWH Americas, Inc.-Sacramento / Modesto Superfund Site 33Q)

LDC	SDG#	DATE REC'D	(2) DATE DUE	VOA (TO-15)		VOA (524.2)		TDS (160.1)		Uranium (908.0)																											
Matrix:	Air/Water/Soil			A	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	R907136-8367	10/20/09	11/03/09	-	-	-	-	-	-	1	0																										
B	09211C	10/20/09	11/03/09	-	-	3	0	1	0	-	-																										
C	09211D	10/20/09	11/03/09	4	0	-	-	-	-	-	-																										
D	09223C	10/20/09	11/03/09	-	-	8	0	3	0	-	-																										
E	09223D	10/20/09	11/03/09	7	0	-	-	-	-	-	-																										
F	09224A	10/20/09	11/03/09	-	-	26	0	-	-	-	-																										
G	09230B	10/20/09	11/03/09	-	-	16	0	-	-	-	-																										
H	09266A	10/20/09	11/03/09	-	-	3	0	1	0	-	-																										
I	09266C	10/20/09	11/03/09	4	0	-	-	-	-	-	-																										
Total	T/LR			15	0	56	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77

Shaded cells indicate Level III validation (all other cells are ADR review and calibration data validation only). These sample counts do not include MS/MSD, and DUPs

21799ST.wpd

Modesto Superfund Site-33Q
Data Validation Reports
LDC #21799

Volatiles

LDC

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: July 29, 2009

LDC Report Date: October 31, 2009

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09211C

Sample Identification

EFF-072909
EW-1-072909
MW-301-33Q
EW-1-072909MS
EW-1-072909MSD
EW-1-072909DUP

Introduction

This data review covers 6 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 524.2 for Volatiles.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds with the following exceptions:

Date	Compound	%RSD	Associated Samples	Flag	A or P
8/11/09	Dichloromethane	57.65	EFF-072909 MW-301-33Q B9H0038-BLK1	J (all detects) UJ (all non-detects)	P

Results ND, flag UJ RL=5 AL 11/11/09

Average relative response factors (RRF) for all volatile target compounds were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
8/11/09	Dibromomethane	0.049 (≥0.05)	EFF-072909 MW-301-33Q B9H0038-BLK1	J (all detects) R (all non-detects)	A

Not required per SAP (2008) - no flag AL 11/11/09

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P	
8/6/09 (08069JC1)	Methyl-tert-butyl ether	26.6	EW-1-072909MS EW-1-072909MSD	J- (all detects) UJ (all non-detects)	P	no flags for MS/MSD
9/12/09 (08129HC1)	Dichlorodifluoromethane Chloromethane Bromomethane Chloroethane Trichlorofluoromethane Dichloromethane	37.8 32.9 35.4 36.4 26.4 47.2	EFF-072909 MW-301-33Q B9H0038-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND apply UJ RC: 5 MF 11/11/09

The percent differences (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P	
8/5/09 (08059JIC8)	Dichlorodifluoromethane Chloromethane Vinyl chloride Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Dichloromethane trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Bromochloromethane Chloroform	34.0 33.7 31.4 30.3 30.0 35.6 37.8 31.1 29.5 27.4 39.4 28.3 26.7	EW-1-072909 EW-1-072909MS EW-1-072909MSD B9H0012-BLK1	J -(all detects) UJ (all non-detects)	A	all results ND (UJ flags) except chloroet (J- flag) RC:
8/5/09 (08059JIC8)	Acetone	54.8	EW-1-072909 EW-1-072909MS EW-1-072909MSD B9H0012-BLK1	J- (all detects) R (all non-detects)	A	result ND apply R RC: 5
8/5/09 (08059JIC8)	Naphthalene 1,2,3-Trichlorobenzene	62.1 29.9	EW-1-072909 EW-1-072909MS EW-1-072909MSD B9H0012-BLK1	J+ (all detects) J+ (all detects)	A	results ND no flag
8/11/09 (08119HIC7)	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether	38.4 53.0 26.4	EFF-072909 MW-301-33Q B9H0038-BLK	J+ (all detects) J+ (all detects) J+ (all detects)	A	results ND no flag
8/11/09 (08119HIC7)	Dichloromethane	27.3	EFF-072909 MW-301-33Q B9H0038-BLK	J- (all detects) UJ (all non-detects)	A	results ND apply UJ RC: 5

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
9/12/09 (08129HC1	Dibromomethane	0.045 (≥0.05)	EFF-072909 MW-301-33Q B9H0038-BLK1	J (all detects) R (all non-detects)	A

not required per SAP (2008) - no flags MC 11/4/09

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample MW-301-33Q was identified as a trip blank. No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Although matrix spike (MS) and matrix spike duplicate (MSD) samples were not required by the method, MS and MSD samples were reported by the laboratory. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
EW-1-072909MS/MSD (EW-1-072909)	Naphthalene	131 (70-130)	-	-	J+ (all detects)	A
EW-1-072909MS/MSD (EW-1-072909)	Tetrachloroethene	66 (70-130)	60 (70-130)	-	J- (all detects) UJ (all non-detects)	A

Result ND no flags

Result ND apply UJ RL=8.9

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P	
B9H0012-BS1	Dichlorodifluoromethane Chloromethane Vinyl chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone Dichloromethane trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Bromochloromethane Chloroform	66 (80-120) 66 (80-120) 69 (80-120) 76 (80-120) 70 (80-120) 70 (80-120) 64 (80-120) 76 (80-120) 45 (80-120) 62 (80-120) 69 (80-120) 71 (80-120) 73 (80-120) 61 (80-120) 72 (80-120) 73 (80-120)	EW-1-072909 B9H0012-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND (UJ flags) except chloroform (J- flags) RC: 8 10 NE 1/9/09
B9H0012-BS1	Naphthalene 1,2,3-Trichlorobenzene	162 (80-120) 130 (80-120)	EW-1-072909 B9H0012-BLK1	J+ (all detects) J+ (all detects)	P	results ND no flags
B9H0038-BS1	Trichlorofluoromethane 1,1-Dichloroethene Acetone Dichloromethane trans-1,2-Dichloroethene 1,1-Dichloroethane 2,2-Dichloropropane cis-1,2-Dichloroethene Chloroform	74 (80-120) 65 (80-120) 69 (80-120) 43 (80-120) 70 (80-120) 75 (80-120) 79 (80-120) 78 (80-120) 79 (80-120)	EFF-072909 MW-301-33Q B9H0038-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND; apply UJ flags RC:
B9H0038-BS1	Naphthalene	122 (80-120)	EFF-072909 MW-301-33Q B9H0038-BLK1	J+ (all detects)	P	results ND no flags

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG 09211C	All compounds reported below the RL	J (all detects)	A

RC=24

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Modesto Superfund Site 33Q
Volatiles - Data Qualification Summary - SDG 09211C

SDG	Sample	Compound	Flag	A or P	Reason
09211C	EFF-072909 MW-301-33Q	Dichloromethane	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD)
09211C	EFF-072909 MW-301-33Q	Dibromomethane	J (all detects) R (all non-detects)	P	Initial calibration (RRF)
09211C	EFF-072909 MW-301-33Q	Dichlorodifluoromethane Chloromethane Bromomethane Chloroethane Trichlorofluoromethane Dichloromethane	J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
09211C	EW-1-072909	Dichlorodifluoromethane Chloromethane Vinyl chloride Chloroethane Trichlorofluoromethane 1,1-Dichloroethene Dichloromethane trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Bromochloromethane Chloroform	J -(all detects) UJ (all non-detects)	A	Continuing calibration (ICV %D)
09211C	EW-1-072909	Acetone	J- (all detects) R (all non-detects)	A	Continuing calibration (ICV %D)
09211C	EW-1-072909	Naphthalene 1,2,3-Trichlorobenzene	J+ (all detects) J+ (all detects)	A	Continuing calibration (ICV %D)
09211C	EFF-072909 MW-301-33Q	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether	J+ (all detects) J+ (all detects) J+ (all detects)	A	Continuing calibration (ICV %D)
09211C	EFF-072909 MW-301-33Q	Dichloromethane	J- (all detects) UJ (all non-detects)	A	Continuing calibration (ICV %D)
09211C	EFF-072909 MW-301-33Q	Dibromomethane	J (all detects) R (all non-detects)	A	Continuing calibration (RRF)
09211C	EW-1-072909	Naphthalene	J+ (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
09211C	EW-1-072909	Tetrachloroethene	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)

SDG	Sample	Compound	Flag	A or P	Reason
09211C	EW-1-072909	Dichlorodifluoromethane Chloromethane Vinyl chloride Bromomethane Chloroethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Acetone Dichloromethane trans-1,2-Dichloroethene 1,1-Dichloroethane cis-1,2-Dichloroethene 2-Butanone Bromochloromethane Chloroform	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09211C	EW-1-072909	Naphthalene 1,2,3-Trichlorobenzene	J+ (all detects) J+ (all detects)	P	Laboratory control samples (%R)
09211C	EFF-072909 MW-301-33Q	Trichlorofluoromethane 1,1-Dichloroethene Acetone Dichloromethane trans-1,2-Dichloroethene 1,1-Dichloroethane 2,2-Dichloropropane cis-1,2-Dichloroethene Chloroform	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09211C	EFF-072909 MW-301-33Q	Naphthalene	J+ (all detects)	P	Laboratory control samples (%R)
09211C	EFF-072909 EW-1-072909 MW-301-33Q	All compounds reported below the RL	J (all detects)	A	Compound quantitation and CRQLs

Modesto Superfund Site 33Q
Volatiles - Laboratory Blank Data Qualification Summary - SDG 09211C

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Volatiles - Field Blank Data Qualification Summary - SDG 09211C

No Sample Data Qualified in this SDG

LDC #: 21799B1b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 09211C

Level III

Laboratory: United States Environmental Protection Agency Region 9 Laboratory

Date: 10/29/09
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 7/29/09
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	RSD ≤ 30%. RRFs
IV.	Continuing calibration/ICV	SW	ICV/CCV ≤ 25% ↓
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates /DUP	SN/A	
VIII.	Laboratory control samples	SW	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	TB = 3

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

1 1	EFF-072909 W	11 1	~~B9H0038-Bk~~ 1	21		31	
2 ~~2~~ 2	EW-1-072909	12 2	B9H0012-Bk 1	22		32	
3 1	MW-301-33Q ↓	13 3	B9H0017-Bk 1	23		33	
4	EW-1-072909MS	14		24		34	
5	EW-1-072909MSD ↓	15		25		35	
6	EWH-072909 DUP	16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN. Dichloromethane
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO.
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 21799B1b
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer: 9
2nd Reviewer: 8

METHOD: GC/MS VOA (EPA ~~SW-846~~ Method ~~8260B~~) 524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ≤30.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	8/11/09	ICA2	NNNN	57.65		All	J/UJ/P
			RR		0.049	B9H0038-B4-1	J/R/A

LDC #: 2[redacted]B1b
SDG #: See cover

VALIDATION FIN[redacted]NGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA ~~SW-846~~ Method ~~8260~~) 524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	8/5/09	08059 1C8	VI	34.0		2, 4-5	J-/UJ/A
		(1eV)	A	33.7		B9H0012-B4	
			C	31.4			
			D	30.3			
			KK	30.0			
			H	35.6			
			F	54.8			J-/P/A
			NNNN	37.8			J-/UJ/A
			PPP	31.1			
			I	29.5			
			QQQ	27.4			
			M	39.4			
			PP	28.3			
			K	26.7			
			MMM	62.1			J+ detects/A
			NNN	29.9			
	8/1/09	08119H1CT	VI	38.4		1.3 B9H0038-B4	J+ detects/A
		(1eV)	B	53.0			
			NNNN	27.3			J-/UJ/A
			~~HH~~ LL	26.4			J+ detects/A
	8/6/09	08069 1C1	LL	26.6		4-5.	J-/UJ/P

CONCAL1S

LDC #: 21799B1b
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Reviewer: Y
2nd Reviewer: L

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260~~) 524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/12/09	08129HC1	W	37.8		1.3.B9H0038-BK1	J/UJ/P
			A	32.9			
			B	35.4			
			D	36.4			
			KK	26.4			
			NNNN	47.2			
			RR		0.045		J/R/A

LDC #: 21T[illegible]16
SDG #: See cover

VALIDATION FIND[illegible]S WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Pa[illegible] 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD : GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~ 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		4/5	MMM	131 (70-130)	(70-130)	( )	2	J+ detects/A
			AA	66 (↓)	60 (70-130)	( )		J-/UJ/D
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 8799B1b
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~ 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		B9H0012-BS1	VV	66 (80-120)	( )	( )	2 B9H0012-B4	J-/UJ/P
			A	66 ( )	( )	( )		
			C	69 ( )	( )	( )		
			B	76 ( )	( )	( )		
			D	70 ( )	( )	( )		
			EE	70 ( )	( )	( )		
			H	64 ( )	( )	( )		
			TTT	76 ( )	( )	( )		
			F	45 ( )	( )	( )		
			NNNN	62 ( )	( )	( )		
			PPP	69 ( )	( )	( )		
			I	71 ( )	( )	( )		
			QQQ	73 ( )	( )	( )		
			M	61 ( )	( )	( )		
			PP	72 ( )	( )	( )		
			K	73 ( )	( )	( )		
			MMM	162 ( )	( )	( )		J+ all detects/P
			NNN	130 ( )	( )	( )		
				( )	( )	( )		
		B9H0038-BS1	EE	74 (80-120)	( )	( )	1.3 B9H0038-B4	J-/UJ/P
			H	65 ( )	( )	( )		
			F	69 ( )	( )	( )		
			NNNN	43 ( )	( )	( )		
			PPP	70 ( )	( )	( )		

LDC #: [illegible]9B16
SDG #: See cover

VALIDATION FIN[illegible]GS WORKSHEET
Laboratory Control Samples (LCS)

Pag[illegible] 2 of 2
Reviewer: 9
2nd Reviewer: 2

METHOD: GC/MS VOA (EPA ~~SW-846~~ Method ~~8260B~~ 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		B9H0038-BS1	I	75 (80-120)	( )	( )	1-3. B9H0038-BS1	J-/UJ/P
			OO	79 ( )	( )	( )		
			QQQ	78 ( )	( )	( )		
			K	79 ( )	( )	( )		
			MMM	122 ( )	( )	( )		J+ detects/P
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: August 10, 2009

LDC Report Date: October 31, 2009

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09223C

Sample Identification

CRB INF-081009
CRB Mid-081009
EFF-081009
EW-1-081009
MW-101-33Q
MW-302-33Q
MW-401-33Q
Pre IEX-081009
EW-1-081009MS
EW-1-081009MSD

Introduction

This data review covers 10 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 524.2 for Volatiles.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds with the following exceptions:

Date	Compound	%RSD	Associated Samples	Flag	A or P
8/11/09	Dichloromethane	57.65	All samples in SDG 09223C	J (all detects) UJ (all non-detects)	P

all results ND apply, RC = 5

Average relative response factors (RRF) for all volatile target compounds were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
8/11/09	Dibromomethane	0.049 (≥0.05)	All samples in SDG 09223C	J (all detects) R (all non-detects)	A

not required per SAP (2008) no flags MC 11/11/09

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P	
8/13/09 (08139HC1)	Dichlorodifluoromethane Dichloromethane	38.4 45.1	MW-302-33Q MW-401-33Q Pre IEX-081009 B9H0041-BLK1	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	all results ND apply UJ RL=5
9/12/09 (08129HC1)	Dichlorodifluoromethane Chloromethane Bromomethane Chloroethane Trichlorofluoromethane Dichloromethane	37.8 32.9 35.4 36.4 26.4 47.2	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q EW-1-081009MS EW-1-081009MSD B9H0038-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND; apply UJ RL=5

The percent differences (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P	
8/11/09 (08119HIC7)	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether	38.4 53.0 26.4	All samples in SDG 09223C	J+ (all detects) J+ (all detects) J+ (all detects)	A	all results ND - no flags
8/11/09 (08119HIC7)	Dichloromethane	27.3	All samples in SDG 09223C	J- (all detects) UJ (all non-detects)	A	all results ND apply UJ RL=5

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P	
8/13/09 (08139HC1)	Dibromomethane	0.046 (≥0.05)	MW-302-33Q MW-401-33Q Pre IEX-081009 B9H0041-BLK1	J (all detects) R (all non-detects)	A	not required per SAP (2008) no flag
9/12/09 (08129HC1	Dibromomethane	0.045 (≥0.05)	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q EW-1-081009MS EW-1-081009MSD B9H0038-BLK1	J (all detects) R (all non-detects)	A	

NL 11/11/09

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample MW-302-33Q was identified as a trip blank. No volatile contaminants were found in this blank.

Sample MW-401-33Q was identified as a field blank. No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Although matrix spike (MS) and matrix spike duplicate (MSD) samples were not required by the method, MS and MSD samples were reported by the laboratory. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
EW-1-081009MS/MSD (EW-1-081009)	1,1-Dichloroethene	52 (70-130)	55 (70-130)	-	J- (all detects)	A
	Acetone	65 (70-130)	67 (70-130)	-	UJ (all non-detects)	
	Dichloromethane	37 (70-130)	38 (70-130)	-		
	trans-1,2-Dichloroethene	58 (70-130)	61 (70-130)	-		
	1,1-Dichloroethane	65 (70-130)	68 (70-130)	-		
	2,2-Dichloropropane	64 (70-130)	68 (70-130)	-		
	cis-1,2-Dichloroethene	66 (70-130)	69 (70-130)	-		
	Bromochloromethane	68 (70-130)	-	-		
	Chloroform	58 (70-130)	54 (70-130)	-		
	PCE	0%	0%			

all NDs H5 NA (UJ flags except chloroform & PCE (J-) RC=8,9

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P	
B9H0038-BS1	Trichlorofluoromethane 1,1-Dichloroethene Acetone Dichloromethane trans-1,2-Dichloroethene 1,1-Dichloroethane 2,2-Dichloropropane cis-1,2-Dichloroethene Chloroform	74 (80-120) 65 (80-120) 69 (80-120) 43 (80-120) 70 (80-120) 75 (80-120) 79 (80-120) 78 (80-120) 79 (80-120)	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q B9H0038-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND (UJ flags) except chloroform EW-1 & EW-1CD (J-) RL=10
B9H0038-BS1	Naphthalene	122 (80-120)	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q B9H0038-BLK1	J+ (all detects)	P	all results ND - no flags
B9H0041-BS1	Dichlorodifluoromethane Bromomethane	128 (80-120) 126 (80-120)	MW-302-33Q MW-401-33Q Pre IEX-081009 B9H0041-BLK1	J+ (all detects) J+ (all detects)	P	all results ND - no flags
B9H0041-BS1	Dichloromethane	61 (80-120)	MW-302-33Q MW-401-33Q Pre IEX-081009 B9H0041-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND; apply UJ flags RL=10

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P	
All samples in SDG 09223C	All compounds reported below the RL	J (all detects)	A	RL=24

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples EW-1-081009 and MW-101-33Q were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	EW-1-081009	MW-101-33Q	
Chloroform	2.6	2.2	17
Tetrachloroethene	250	190	27

Modesto Superfund Site 33Q
Volatiles - Data Qualification Summary - SDG 09223C

SDG	Sample	Compound	Flag	A or P	Reason
09223C	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q MW-302-33Q MW-401-33Q Pre IEX-081009	Dichloromethane	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD)
09223C	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q MW-302-33Q MW-401-33Q Pre IEX-081009	Dibromomethane	J (all detects) R (all non-detects)	P	Initial calibration (RRF)
09223C	MW-302-33Q MW-401-33Q Pre IEX-081009	Dichlorodifluoromethane Dichloromethane	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
09223C	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q	Dichlorodifluoromethane Chloromethane Bromomethane Chloroethane Trichlorofluoromethane Dichloromethane	J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
09223C	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q MW-302-33Q MW-401-33Q Pre IEX-081009	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether	J+ (all detects) J+ (all detects) J+ (all detects)	A	Continuing calibration (ICV %D)
09223C	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q MW-302-33Q MW-401-33Q Pre IEX-081009	Dichloromethane	J- (all detects) UJ (all non-detects)	A	Continuing calibration (ICV %D)

SDG	Sample	Compound	Flag	A or P	Reason
09223C	MW-302-33Q MW-401-33Q Pre IEX-081009 CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q	Dibromomethane	J (all detects) R (all non-detects)	A	Continuing calibration (RRF)
09223C	EW-1-081009	1,1-Dichloroethene Acetone Dichloromethane trans-1,2-Dichloroethene 1,1-Dichloroethane 2,2-Dichloropropane cis-1,2-Dichloroethene Bromochloromethane Chloroform	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
09223C	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q	Trichlorofluoromethane 1,1-Dichloroethene Acetone Dichloromethane trans-1,2-Dichloroethene 1,1-Dichloroethane 2,2-Dichloropropane cis-1,2-Dichloroethene Chloroform	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09223C	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q	Naphthalene	J+ (all detects)	P	Laboratory control samples (%R)
09223C	MW-302-33Q MW-401-33Q Pre IEX-081009	Dichlorodifluoromethane Bromomethane	J+ (all detects) J+ (all detects)	P	Laboratory control samples (%R)
09223C	MW-302-33Q MW-401-33Q Pre IEX-081009	Dichloromethane	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09223C	CRB INF-081009 CRB Mid-081009 EFF-081009 EW-1-081009 MW-101-33Q MW-302-33Q MW-401-33Q Pre IEX-081009	All compounds reported below the RL	J (all detects)	A	Compound quantitation and CRQLs

Modesto Superfund Site 33Q
Volatiles - Laboratory Blank Data Qualification Summary - SDG 09223C

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Volatiles - Field Blank Data Qualification Summary - SDG 09223C

No Sample Data Qualified in this SDG

LDC #: 21799D1b

SDG #: 09223C

Laboratory: United States Environmental Protection Agency Region 9 Laboratory

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 10/29/09

Page: 1 of 1

Reviewer:

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/10/09
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	RSD ≤ 30%. RFs ✓
IV.	Continuing calibration/ICV	SW	ICV/CCV ≤ 25%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	SW	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 4 + 5
XVII.	Field blanks	ND	TB = 6. FB = 7.

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

1	CRB INF-081009	11	B9H0038-Bkl	21		31	
2	CRB Mid-081009	12	B9H0041-Bkl	22		32	
3	EFF-081009	13		23		33	
4	EW-1-081009	14		24		34	
5	MW-101-33Q	15		25		35	
6	MW-302-33Q	16		26		36	
7	MW-401-33Q	17		27		37	
8	Pre IEX-081009	18		28		38	
9	EW-1-081009MS	19		29		39	
10	EW-1-081009MSD	20		30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN. Dichloromethane
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO.
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 21799D1b
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Initial Calibration

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS VOA (EPA ~~SW 846 Method 8260B~~) 524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ≤30.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	8/1/09	KCAL	NNNN	57.65		All + Blks	J/UJ/P
			RR		0.049		J/~~RR~~/A

INICAL1SB

LDC #: 2[illegible]10b
SDG #: See cover

VALIDATION FIN[illegible]GS WORKSHEET
Continuing Calibration

Pa[illegible] 1 of 1
Reviewer: [illegible]
2nd Reviewer:

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260~~ 524.2)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	8/1/09	08119HICT	VV	38.4		All + Blks	J+ all ts / A
		(ICV)	B	53.0			↓
			NNNN	27.3			J- / UJ / A
			LL	26.4			J+ all ts / A
	8/3/09	D8139HCI	VV	38.4		6-8	J- / UJ / A
			NNNN	45.1		B9H0041-Blk1	↓
			RR		0.046		J / R / A
	9/12/09	08~~A~~129HCI	VV	37.8		1-5, 9-10	J- / UJ / A
			A	32.9		B9H0038 Blk1	
			B	35.4			
			D	36.4			
			~~LL~~	26.4			
			NNNN	47.2			
			RR		0.045		J / R / A

CONCAL1S

LDC #: 21799D1b
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: Y
2nd Reviewer: 9

METHOD : GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~) 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		9/10	H	52 (70-130)	55 (70-130)	( )	4	J/UJ/A
			F	65 ( )	67 ( )	( )		
			NNNN	37 ( )	38 ( )	( )		
			PPP	58 ( )	61 ( )	( )		
			I	65 ( )	68 ( )	( )		
			OO	64 ( )	68 ( )	( )		
			QQQ	66 ( )	69 ( )	( )		
			PP	68 ( )	5 ( )	( )		
			K	~~8~~ 58 ( )	54 ( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: [redacted]9D1b
SDG #: see cover

VALIDATION FIN[redacted]GS WORKSHEET
Laboratory Control Samples (LCS)

Pag[redacted] 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~ ~~or~~ 1.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		B9H0038-BS1	KK	74 (80-120)	( )	( )	1-5. B9H0038-BS1	J/UJ/P
			H	65 ( )	( )	( )		
			F	69 ( )	( )	( )		
			NNNN	43 ( )	( )	( )		
			~~PPPP~~	70 ( )	( )	( )		
			I	75 ( )	( )	( )		
			OO	79 ( )	( )	( )		
			QQQ	78 ( )	( )	( )		
			L	79 ( )	( )	( )		
			MMM	122 ( )	( )	( )		J+ detects/P
				( )	( )	( )		
				( )	( )	( )		
		B9H0041-BS1	JJ	128 (80-120)	( )	( )	6-8. B9H0041-BS1	J+ detects/P
			B	126 ( )	( )	( )		
			NNNN	61 ( )	( )	( )		J-/UJ/P
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 21799D6
SDG #: see cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~ 524.2)

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (Ng/L)		RPD
	4	5	
K	2.6	2.2	1T
AA	250	190	2T

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

FLDUP4.1SB

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: August 11 through August 12, 2009

LDC Report Date: October 31, 2009

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09224A

Sample Identification

MW-10C-33Q	MW-2A-33Q
MW-19A-33Q	MW-8A-33Q
MW-19B-33Q	MW-402-33Q
MW-303-33Q	MW-403-33Q
MW-10A-33Q	MW-4A-33Q
MW-6A-33Q	MW-12A-33Q
MW-87-33Q	MW-8A-33QMS
MW-13A-33Q	MW-8A-33QMSD
MW-14A-33Q	
MW-1A-33Q	
MW-15A-33Q	
MW-7A-33Q	
MW-11A-33Q	
MW-20C-33Q	
MW-16A-33Q	
MW-16C-33Q	
MW-304-33Q	
MW-5A-33Q	
MW-9B-33Q	
MW-92A-33Q	

Introduction

This data review covers 28 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 524.2 for Volatiles.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds with the following exceptions:

Date	Compound	%RSD	Associated Samples	Flag	A or P
8/11/09	Dichloromethane	57.65	All samples in SDG 09224A	J (all detects) UJ (all non-detects)	P

all results ND - apply VJ RL=5

Average relative response factors (RRF) for all volatile target compounds were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
8/11/09	Dibromomethane	0.049 (≥0.05)	All samples in SDG 09224A	J (all detects) R (all non-detects)	A

not required per SAP (2008) - no flag ML 11/11/09

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P	
8/19/09 (08199HC1)	Dichlorodifluoromethane	25.4	MW-8A-33Q MW-4A-33Q MW-8A-33QMS MW-8A-33QMSD B9H0050-BLK1	J+ (all detects)	P	all results ND no flags
8/19/09 (08199HC1)	Dichloromethane Hexachlorobutadiene	47.4 37.6	MW-8A-33Q MW-4A-33Q MW-8A-33QMS MW-8A-33QMSD B9H0050-BLK1	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	all results ND apply UJ RL=5
8/21/09 (08219HC2)	Dichloromethane Hexachlorobutadiene	48.2 40.6	MW-403-33Q MW-12A-33Q B9H0063-BLK1	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	
8/13/09 (08139HC1)	Dichlorodifluoromethane Dichloromethane	38.4 45.1	MW-10C-33Q MW-19A-33Q B9H0041-BLK1	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	
8/14/09 (08149HC1)	Dichlorodifluoromethane Dichloromethane	42.2 44.9	MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q B9H0045-BLK1	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	
8/15/09 (08159HC3)	Dichlorodifluoromethane 1,2-Dibromo-3-chloropropane	29.0 28.6	MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-402-33Q B9H0049-BLK1	J+ (all detects) J+ (all detects)	P	all results ND - no flags

Date	Compound	%D	Associated Samples	Flag	A or P
8/15/09 (08159HC3)	Dichloromethane Hexachlorobutadiene	44.8 35.2	MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-402-33Q B9H0049-BLK1	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P

all results ND - apply UJ RL=5

The percent differences (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
8/11/09 (08119HIC7)	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether	38.4 53.0 26.4	All samples in SDG 09224A	J+ (all detects) J+ (all detects) J+ (all detects)	A
8/11/09 (08119HIC7)	Dichloromethane	27.3	All samples in SDG 09224A	J- (all detects) UJ (all non-detects)	A

all results ND - no flags

all results ND apply UJ RL=5

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
8/19/09 (08199HC1)	Dibromomethane	0.048 (≥0.05)	MW-8A-33Q MW-4A-33Q MW-8A-33QMS MW-8A-33QMSD B9H0050-BLK1	J (all detects) R (all non-detects)	A
8/13/09 (08139HC1)	Dibromomethane	0.046 (≥0.05)	MW-10C-33Q MW-19A-33Q B9H0041-BLK1	J (all detects) R (all non-detects)	A

not required per SAP (2008) no flag

AA 11/13/09

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
8/14/09 (08149HC1)	Dibromomethane	0.049 (≥0.05)	MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q B9H0045-BLK1	J (all detects) R (all non-detects)	A

not required per SAP/2008 no flag MK 11/11/09

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Samples MW-303-33Q and MW-304-33Q were identified as trip blanks. No volatile contaminants were found in these blanks.

Samples MW-402-33Q and MW-403-33Q were identified as field blanks. No volatile contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Although matrix spike (MS) and matrix spike duplicate (MSD) samples were not required by the method, MS and MSD samples were reported by the laboratory. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P
MW-8A-33QMS/MSD (MW-8A-33Q)	Dichlorodifluoromethane	62 (70-130)	60 (70-130)	-	J- (all detects)	A
	Vinyl chloride	67 (70-130)	65 (70-130)	-	UJ (all non-detects)	
	Trichlorofluoromethane	43 (70-130)	43 (70-130)	-		
	1,1-Dichloroethene	52 (70-130)	52 (70-130)	-		
	1,1,2-Trichloro-1,2,2-trifluoroethane	41 (70-130)	41 (70-130)	-		
	Dichloromethane	48 (70-130)	48 (70-130)	-		
	trans-1,2-Dichloroethene	67 (70-130)	66 (70-130)	-		
	2,2-Dichloropropane	63 (70-130)	61 (70-130)	-		
	1,1,1-Trichloroethane	67 (70-130)	66 (70-130)	-		
	Carbon tetrachloride	61 (70-130)	59 (70-130)	-		
	1,1-Dichloropropene	62 (70-130)	62 (70-130)	-		
	Tetrachloroethene	24 (70-130)	16 (70-130)	-		
	tert-Butylbenzene	67 (70-130)	65 (70-130)	-		
sec-butylbenzene	Acetonitrile	63 (70-130)	60 (70-130)	-		
	p-Isopropyltoluene	66 (70-130)	64 (70-130)	-		
	Butylbenzene	65 (70-130)	62 (70-130)	-		
	Hexachlorobutadiene	46 (70-130)	44 (70-130)	-		
	Chloroform	-	66 (70-130)	-		
	Isopropylbenzene	-	68 (70-130)	-		
	n-Propylbenzene	-	68 (70-130)	-		

all results ND (UJ) except chloroform and ACE (J-) RL=8,9

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
B9H0063-BS1	Trichlorofluoromethane	78 (80-120)	MW-403-33Q	J- (all detects)	P
	Dichloromethane	54 (80-120)	MW-12A-33Q	UJ (all non-detects)	
	p-Isopropyltoluene	79 (80-120)	B9H0063-BLK1		
	Butylbenzene	79 (80-120)			
	Hexachlorobutadiene	59 (80-120)			
B9H0063-BS1	2-Butanone	124 (80-120)	MW-403-33Q	J+ (all detects)	P
	1,2-Dibromo-3-chloropropane	122 (80-120)	MW-12A-33Q	J+ (all detects)	
			B9H0063-BLK1		
B9H0063-BS1	Tetrachloroethene	76 (80-120)	MW-5A-33Q	J- (all detects)	P
			MW-403-33Q	UJ (all non-detects)	
			MW-4A-33Q		
			B9H0063-BLK1		
B9H0041BS1	Dichlorodifluoromethane	128 (80-120)	MW-10C-33Q	J+ (all detects)	P
	Bromomethane	126 (80-120)	MW-19A-33Q	J+ (all detects)	
			B9H0041-BLK1		
B9H0041BS1	Dichloromethane	61 (80-120)	MW-10C-33Q	J- (all detects)	P
			MW-19A-33Q	UJ (all non-detects)	
			B9H0041-BLK1		

all results ND (UJ) except trichlorofluoro MW-12A (J-) RL=10

all results ND no flags

MW-403 ND (UJ) MW-4A & -5A (J- flags) RL=10

all results ND no flags

all results ND UJ flags RL=10

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P	
B9H0045-BS1	Dichlorodifluoromethane Chloromethane Vinyl chloride Bromomethane 2-Butanone trans-1,3-Dichloropropene sec-Butylbenzene Butylbenzene 1,2-Dibromo-3-chloropropane	152 (80-120) 137 (80-120) 129 (80-120) 133 (80-120) 125 (80-120) 123 (80-120) 121 (80-120) 121 (80-120) 122 (80-120)	MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q B9H0045-BLK1	J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects)	P	all results ND no flags
B9H0045-BS1	Dichloromethane	64 (80-120)	MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q B9H0045-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND- apply UJ flag RL=10
B9H0049-BS1	Dichloromethane Hexachlorobutadiene	55 (80-120) 65 (80-120)	MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-402-33Q B9H004-BLK1	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	all results ND- apply UJ flag RL=10
B9H0049-BS1	2-Butanone	137 (80-120)	MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-402-33Q B9H004-BLK1	J+ (all detects)	P	all results ND no flag
B9H0050-BS1	Trichlorofluoromethane Dichloromethane Hexachlorobutadiene	76 (80-120) 52 (80-120) 61 (80-120)	MW-8A-33Q MW-4A-33Q B9H0050-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND apply UJ RL=10
B9H0050-BS1	Tetrachloroethene	76 (80-120)	MW-8A-33Q MW-12A-33Q B9H0050-BLK1	J- (all detects) UJ (all non-detects)	P	both detects apply J flags RL=10

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG 09224A	All compounds reported below the RL	J (all detects)	A

RC=24

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples MW-87-33Q and MW-13A-33Q and samples MW-92A-33Q and MW-8A-33Q were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	MW-87-33Q	MW-13A-33Q	
Chloroform	3.2	3.2	0

Compound	Concentration (ug/L)		RPD
	MW-87-33Q	MW-13A-33Q	
Tetrachloroethene	2.1	2.1	0

Compound	Concentration (ug/L)		RPD
	MW-92A-33Q	MW-8A-33Q	
Chloroform	9.9	10	1
Bromodichloromethane	0.5	0.5	0
Tetrachloroethene	8.3	9.8	16

Modesto Superfund Site 33Q
Volatiles - Data Qualification Summary - SDG 09224A

SDG	Sample	Compound	Flag	A or P	Reason
09224A	MW-10C-33Q MW-19A-33Q MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-8A-33Q MW-402-33Q MW-403-33Q MW-4A-33Q MW-12A-33Q	Dichloromethane	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD)
09224A	MW-10C-33Q MW-19A-33Q MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-8A-33Q MW-402-33Q MW-403-33Q MW-4A-33Q MW-12A-33Q	Dibromomethane	J (all detects) UJ (all non-detects)	P	Initial calibration (RRF)
09224A	MW-8A-33Q MW-4A-33Q	Dichlorodifluoromethane	J+ (all detects)	P	Continuing calibration (%D)

SDG	Sample	Compound	Flag	A or P	Reason
09224A	MW-8A-33Q MW-4A-33Q MW-403-33Q MW-12A-33Q MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-402-33Q	Dichloromethane Hexachlorobutadiene	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
09224A	MW-10C-33Q MW-19A-33Q MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q	Dichlorodifluoromethane Dichloromethane	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
09224A	MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-402-33Q	Dichlorodifluoromethane 1,2-Dibromo-3-chloropropane	J+ (all detects) J+ (all detects)	P	Continuing calibration (%D)

SDG	Sample	Compound	Flag	A or P	Reason
09224A	MW-10C-33Q MW-19A-33Q MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-8A-33Q MW-402-33Q MW-403-33Q MW-4A-33Q MW-12A-33Q	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether	J+ (all detects) J+ (all detects) J+ (all detects)	A	Continuing calibration (ICV %D)
09224A	MW-10C-33Q MW-19A-33Q MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-8A-33Q MW-402-33Q MW-403-33Q MW-4A-33Q MW-12A-33Q	Dichloromethane	J- (all detects) UJ (all non-detects)	A	Continuing calibration (ICV %D)

SDG	Sample	Compound	Flag	A or P	Reason
09224A	MW-8A-33Q MW-4A-33Q MW-8A-33QMS MW-8A-33QMSD MW-10C-33Q MW-19A-33Q MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q	Dibromomethane	J (all detects) R (all non-detects)	A	Continuing calibration (RRF)
09224A	MW-8A-33Q	Dichlorodifluoromethane Vinyl chloride Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Dichloromethane trans-1,2-Dichloroethene 2,2-Dichloropropane 1,1,1-Trichloroethane Carbon tetrachloride 1,1-Dichloropropene Tetrachloroethene tert-Butylbenzene Acetonitrile p-Isopropyltoluene Butylbenzene Hexachlorobutadiene Chloroform Isopropylbenzene n-Propylbenzene	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
09224A	MW-403-33Q MW-12A-33Q	Trichlorofluoromethane Dichloromethane p-Isopropyltoluene Butylbenzene Hexachlorobutadiene	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09224A	MW-403-33Q MW-12A-33Q	2-Butanone 1,2-Dibromo-3-chloropropane	J+ (all detects) J+ (all detects)	P	Laboratory control samples (%R)
09224A	MW-5A-33Q MW-403-33Q MW-4A-33Q MW-8A-33Q MW-12A-33Q	Tetrachloroethene	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09224A	MW-10C-33Q MW-19A-33Q	Dichlorodifluoromethane Bromomethane	J+ (all detects) J+ (all detects)	P	Laboratory control samples (%R)

SDG	Sample	Compound	Flag	A or P	Reason
09224A	MW-10C-33Q MW-19A-33Q MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q	Dichloromethane	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09224A	MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q	Dichlorodifluoromethane Chloromethane Vinyl chloride Bromomethane 2-Butanone trans-1,3-Dichloropropene sec-Butylbenzene Butylbenzene 1,2-Dibromo-3-chloropropane	J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects) J+ (all detects)	P	Laboratory control samples (%R)
09224A	MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-402-33Q	Dichloromethane Hexachlorobutadiene	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09224A	MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-402-33Q	2-Butanone	J+ (all detects)	P	Laboratory control samples (%R)
09224A	MW-8A-33Q MW-4A-33Q	Trichlorofluoromethane Dichloromethane Hexachlorobutadiene	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)

SDG	Sample	Compound	Flag	A or P	Reason
09224A	MW-10C-33Q MW-19A-33Q MW-19B-33Q MW-303-33Q MW-10A-33Q MW-6A-33Q MW-87-33Q MW-13A-33Q MW-14A-33Q MW-1A-33Q MW-15A-33Q MW-7A-33Q MW-11A-33Q MW-20C-33Q MW-16A-33Q MW-16C-33Q MW-304-33Q MW-5A-33Q MW-9B-33Q MW-92A-33Q MW-2A-33Q MW-8A-33Q MW-402-33Q MW-403-33Q MW-4A-33Q MW-12A-33Q	*All compounds reported below the RL*	*J (all detects)*	A	*Compound quantitation and CRQLs*

Modesto Superfund Site 33Q
Volatiles - Laboratory Blank Data Qualification Summary - SDG 09224A

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Volatiles - Field Blank Data Qualification Summary - SDG 09224A

No Sample Data Qualified in this SDG

LDC #: 21799F1b

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 10/29/09

SDG #: 09224A

Page: 1 of 1

Laboratory: United States Environmental Protection Agency Region 9 Laboratory

Reviewer:

2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/11-12/09
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	RSD≤30%. RRF>
IV.	Continuing calibration/ICV	SW	ICV/CCV≤25%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	SW	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D=7+8, 20+22
XVII.	Field blanks	ND	TB=4, 17 FB=23, 24.

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

1	MW-10C-33Q	11	MW-15A-33Q	21	MW-2A-33Q	31	B9H0041-Bk1
2	MW-19A-33Q	12	MW-7A-33Q	22	MW-8A-33Q	32	B9H0045-Bk1
3	MW-19B-33Q	13	MW-11A-33Q	23	MW-402-33Q	33	B9H0049-Bk1
4	MW-303-33Q	14	MW-20C-33Q	24	MW-403-33Q	34	B9H0063-Bk1
5	MW-10A-33Q	15	MW-16A-33Q	25	MW-4A-33Q	35	B9H0050-Bk1
6	MW-6A-33Q	16	MW-16C-33Q	26	MW-12A-33Q	36	
7	MW-87-33Q	17	MW-304-33Q	27	MW-8A-33QMS	37	
8	MW-13A-33Q	18	MW-5A-33Q	28	MW-8A-33QMSD	38	
9	MW-14A-33Q	19	MW-9B-33Q	29		39	
10	MW-1A-33Q	20	MW-92A-33Q	30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA (EPA SW 846 Method 8260B)

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN. Dichloromethane
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO. Butylbenzene
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: [illegible]
SDG #: [illegible]

VALIDATION F[illegible]NGS WORKSHEET
Initial Calibration

[illegible]: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~ 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
Y N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y N N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N N/A Did the initial calibration meet the acceptance criteria?
Y N N/A Were all %RSDs and RRFs within the validation criteria of ≤30 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ≤30.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	8/1/09	ICAL	Dichloromethane	57.65		All + Blks	~~UJ/P~~
			RR		0.049		~~R/A~~

INICAL1SB

LDC #: 21799F1b
SDG #: see cover

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of
Reviewer: 9
2nd Reviewer: c

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260~~ 524.2)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	8/11/09	08119HICT (ICV)	VI	38.4		All + Bks	↓+ dets / A
			B	53.0			↓
			NNNN	27.3			↓ -/UJ / A
			LL	26.4			↓+ dets / A
	8/19/09	08199HC1	VI	25.4		~~24.26~~ 22.25, 2-28	↓+ dets / ~~A~~ P
			NNNN	47.4		~~B9H0000-Bk1~~	↓ -/UJ / ~~A~~ P
			LLL	37.6		~~B9H0050-Bk1~~	↓
			RR		0.048		↓ / R / A
	8/21/09	08219HC2	NNNN	48.2		~~22.25~~ 24.26	↓ -/UJ / P
			LLL	40.6		~~B9H0063-Bk1~~	↓
	8/13/09	08139HC1	VI	38.4		1-2. B9H0041-Bk1	↓ -/UJ / P
			NNNN	45.1			↓
			RR		0.046		↓ / R / A
	8/14/09	08149HC1	VI	42.2		3-9, B9H0045-Bk1	↓ -/UJ / P
			NNNN	44.9			↓
			RR		0.049		↓ / R / A
	8/15/09	08159HC3	VI	29.0		10-21.23	↓+ dets / P
			NNNN	44.8		B9H0049-Bk1	↓ -/UJ / P
			MM	28.6			↓+ dets / P
			LLL	35.2			↓ -/UJ / P

LDC #: 217[illegible]F1b
SDG #: [illegible]

VALIDATION FIN[illegible]SS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

P[illegible] 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD : GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~) ~~SOP~~ (.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		27/28	N	62 (70-130)	60 (70-130)	( )	22	J/UJ/A
			C	67 ( )	65 ( )	( )		
			KK	43 ( )	43 ( )	( )		
			H	52 ( )	52 ( )	( )		
			TTT	41 ( )	41 ( )	( )		
			NNNN	48 ( )	48 ( )	( )		
			~~FFF~~	67 ( )	66 ( )	( )		
			OO	63 ( )	61 ( )	( )		
			N	67 ( )	66 ( )	( )		
			O	61 ( )	59 ( )	( )		
			QQ	62 ( )	62 ( )	( )		
			AA	24 ( )	16 ( )	( )		
			CCC	67 ( )	65 ( )	( )		
			EEEE	63 ( )	60 ( )	( )		
			~~GGG~~	66 ( )	64 ( )	( )		
			OOOO	65 ( )	62 ( )	( )		
			LL	46 ( )	44 ( )	( )		
			K	( )	66 ( )	( )		
			~~A~~ VV	( )	~~66~~ 68 ( )	( )		
			YY	( )	68 ( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 21799F1b
SDG #: see cover

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA ~~SW-846~~ Method ~~8260B~~ 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		~~B9H0050-BS1~~	~~KK~~	~~76 (80-120)~~	( )	(~~22~~)	~~25, 26, B9H0050-BS1~~	~~J-/UJ/P~~
			~~NNNN~~	~~52 ( )~~	( )	( )	~~B9H0050-BS1~~	
			~~AA~~	~~76 ( )~~	( )	( )	~~22~~	
			~~LL~~	~~61 ( )~~	( )	( )	~~22, 25~~	
				( )	( )	( )		
				( )	( )	( )		
		B9H0063-BS1	KK	78 (80-120)	( )	( )	24, 26, B9H0063-BS1	J-/UJ/P
			NNNN	54 ( )	( )	( )		
			M	124 ( )	( )	( )		J+ detects/P
			~~EEE~~	79 ( )	( )	( )		J-/UJ/P
			OOOO	79 ( )	( )	( )		
			MM	122 ( )	( )	( )		J+ detects/P
			LLL	59 ( )	( )	( )		J-/UJ/P
			~~AA~~	76 ( )	( )	(24)	18, 25, B9H0063-BS1	
				( )	( )	( )		
		B9H0041-BS1	VV	128 (80-120)	( )	( )	1-2 B9H0041-BS1	J+ detects/P
			B	126 ( )	( )	( )		
			NNNN	61 ( )	( )	( )		J-/UJ/P
		~~B9H00~~		( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 2[illegible]9F16
SDG #: [illegible]

VALIDATION FIN[illegible]GS WORKSHEET
Laboratory Control Samples (LCS)

Page: [illegible] of [illegible]
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA SW 846 Method 8260B)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		B9H0045-BS1	VV	152 (80-120)	( )	( )	3-9. B9H0045-BS1	J+ dets/P
			A	137 ( )	( )	( )		
			C	129 ( )	( )	( )		
			B	133 ( )	( )	( )		
			NNNN	64 ( )	( )	( )		J-/UJ/P
			M	125 ( )	( )	( )		J+ dets/P
			W	123 ( )	( )	( )		
			EEE	121 ( )	( )	( )		
			OOOO	121 ( )	( )	( )		
			MM	122 ( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
		B9H0049-BS1	NNNN	55 (80-120)	( )	( )	~~10-22~~ 10-21.23	J-/UJ/P
			M	137 ( )	( )	( )	B9H0049-BS1	J+ dets/P
			LLL	65 ( )	( )	( )		J-/UJ/P
				( )	( )	( )		
		B9H0050-BS1	KK	76 (80-120)	( )	( )	22.25. B9H0050-BS1	J-/UJ/P
			NNNN	52 ( )	( )	( )		
			LLL	61 ( )	( )	( )		
			AA	76 ( )	( )	( )	22.26.	
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LCSLCSD.1SB

LDC #: 21099F1b
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer:
2nd reviewer:

METHOD: GC/MS VOA (EPA ~~SW-846~~ Method ~~8260B~~) 524.2

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (µg/L) T	Concentration (µg/L) 8	RPD
K	3.2	3.2	0
AA	2.1	2.1	0

Compound	Concentration (µg/L) 20	Concentration (µg/L) 22	RPD
K	9.9	10	1
P	0.5	0.5	0
AA	8.3	9.8	16

Compound	Concentration ( )	Concentration ( )	RPD

Compound	Concentration ( )	Concentration ( )	RPD

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: August 13, 2009

LDC Report Date: October 31, 2009

Matrix: Water

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09230B

Sample Identification

MW-16B-33Q
MW-18A-33Q
MW-82A-33Q
MW-17A-33Q
MW-17C-33Q
MW-4C-33Q
MW-4B-33Q
MW-96B-33Q
MW-10B-33Q
MW-305-33Q
MW-3A-33Q
MW-17B-33Q
MW-404-33Q
MW-20A-33Q
MW-20B-33Q
MW-405-33Q
MW-4B-33QMS
MW-4B-33QMSD

Introduction

This data review covers 18 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 524.2 for Volatiles.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds with the following exceptions:

Date	Compound	%RSD	Associated Samples	Flag	A or P
8/11/09	Dichloromethane	57.65	All samples in SDG 09230B	J (all detects) UJ (all non-detects)	P

all results ND apply UJ RC:5

Average relative response factors (RRF) for all volatile target compounds were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
8/11/09	Dibromomethane	0.049 (≥0.05)	All samples in SDG 09230B	J (all detects) R (all non-detects)	A

not required per SAP (2008) - no flag RC 11/11/09

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P	
8/19/09 (08199HC1)	Dichlorodifluoromethane	25.4	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-305-33Q MW-404-33Q B9H0050-BLK1	J+ (all detects)	P	all results NA - no flags
8/19/09 (08199HC1)	Dichloromethane Hexachlorobutadiene	47.4 37.6	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-305-33Q MW-404-33Q B9H0050-BLK1	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	all results ND apply UJ RL=5
8/21/09 (08219HC2)	Dichloromethane Hexachlorobutadiene	48.2. 40.6	MW-17B-33Q MW-4B-33QMS MW-4B-33QMSD B9H0063-BLK1	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	result ND for -17B (UJ) RL=5
8/24/09 (08249HC1)	Dichloromethane	50.8	MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q B9H0082-BLK1	J- (all detects) R (all non-detects)	P	all results apply R flags RL=5
8/24/09 (08249HC1)	tert-Butylbenzene sec-Butylbenzene p-Isopropyltoluene Butylbenzene Hexachlorobutadiene	26.4 26.6 27.0 26.5 46.3	MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q B9H0082-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND apply UJ RL=5

The percent differences (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P	
8/11/09 (08119HIC7)	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether	38.4 53.0 26.4	All samples in SDG 09230B	J+ (all detects) J+ (all detects) J+ (all detects)	A	all results ND (no flags) except dichlorod: for MW-[illegible] (J+) RL=5

Date	Compound	%D	Associated Samples	Flag	A or P
8/11/09 (08119HIC7)	Dichloromethane	27.3	All samples in SDG 09230B	J- (all detects) UJ (all non-detects)	A

all results ND apply UJ RL = 5

All of the continuing calibration RRF values were within method and validation criteria with the following exceptions:

Date	Compound	RRF (Limits)	Associated Samples	Flag	A or P
8/19/09 (08199HC1)	Dibromomethane	0.048 (≥0.05)	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-305-33Q MW-404-33Q B9H0050-BLK1	J (all detects) R (all non-detects)	A
8/24/09 (08249HC1	Dibromomethane	0.047 (≥0.05)	MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q B9H0082-BLK1	J (all detects) R (all non-detects)	A

not required per SAP (2008) no flags M 11/11/09

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample MW-305-33Q was identified as a trip blank. No volatile contaminants were found in this blank.

Samples MW-404-33Q and MW-405-33Q were identified as field blanks. No volatile contaminants were found in these blanks.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Although matrix spike (MS) and matrix spike duplicate (MSD) samples were not required by the method, MS and MSD samples were reported by the laboratory. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	RPD (Limits)	Flag	A or P	
MW-4B-33QMS/MSD (MW-4B-33Q)	Dichlorodifluoromethane	64 (70-130)	62 (70-130)	-	J- (all detects)	A	all results NA (UJ) except RLE (J-) RC= 8,9
	Trichlorofluoromethane	55 (70-130)	56 (70-130)	-	UJ (all non-detects)		
	1,1-Dichloroethene	57 (70-130)	61 (70-130)	-			
	1,1,2-Trichloro-1,2,2-trifluoroethane	55 (70-130)	58 (70-130)	-			
	Dichloromethane	48 (70-130)	49 (70-130)	-			
	trans-1,2-Dichloroethene	67 (70-130)	-	-			
	2,2-Dichloropropane	65 (70-130)	66 (70-130)	-			
	Hexachlorobutadiene	50 (70-130)	51 (70-130)	-			
	RLE	0	0				
MW-4B-33QMS/MSD (MW-4B-33Q)	1,2-Dibromo-3-chloropropane	131 (70-130)	-	-	J+ (all detects)	A	Result NA no flags

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P	
B9H0050-BS1	Trichlorofluoromethane	76 (80-120)	MW-16B-33Q	J- (all detects)	P	all results NA (UJ) except RLE for -16B, -17A, -18A, and -18AFD (J-) RC=10
	Dichloromethane	52 (80-120)	MW-18A-33Q	UJ (all non-detects)		
	Tetrachloroethene	76 (80-120)	MW-82A-33Q			
	Hexachlorobutadiene	61 (80-120)	MW-17A-33Q			
			MW-17C-33Q			
			MW-4C-33Q			
			MW-305-33Q			
			MW-404-33Q			
			B9H0050-BLK1			
B9H0063-BS1	Trichlorofluoromethane	78 (80-120)	MW-17B-33Q	J- (all detects)	P	all results NA apply UJ RC=10
	Dichloromethane	54 (80-120)	B9H0063-BLK1	UJ (all non-detects)		
	p-Isopropyltoluene	79 (80-120)				
	Butylbenzene	79 (80-120)				
	Hexachlorobutadiene	59 (80-120)				
B9H0063-BS1	2-Butanone	124 (80-120)	MW-17B-33Q	J+ (all detects)	P	all results NA no flags
	1,2-Dibromo-3-chloropropane	122 (80-120)	B9H0063-BLK1	J+ (all detects)		

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P	
B9H0063-BS1	Tetrachloroethene	76 (80-120)	MW-3A-33Q MW-17B-33Q MW-20A-33Q MW-20B-33Q B9H0063-BLK1	J- (all detects) UJ (all non-detects)	P	all detects, app J- RC=10
B9H0082-BS1	Trichlorofluoromethane Dichloromethane Hexachlorobutadiene	78 (80-120) 57 (80-120) 61 (80-120)	MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q B9H0082-BLK1	J- (all detects) UJ (all non-detects)	P	all results ND apply UJ RC=10
B9H0082-BS1	2-Butanone trans-1,3-Dichloropropene 1,2-Dibromo-3-chloropropane	135 (80-120) 122 (80-120) 129 (80-120)	MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q B9H0082-BLK1	J+ (all detects) J+ (all detects) J+ (all detects)	P	all results ND ~~apply~~ no flags

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P	
All samples in SDG 09230B	All compounds reported below the RL	J (all detects)	A	RC=24

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

Samples MW-18A-33Q and MW-82A-33Q and samples MW-4B-33Q and MW-96B-33Q were identified as field duplicates. No volatiles were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD
	MW-18A-33Q	MW-82A-33Q	
Chloroform	3.2	3.2	0
Tetrachloroethene	2.4	2.3	4

Compound	Concentration (ug/L)		RPD
	MW-4B-33Q	MW-96B-33Q	
cis-1,2-Dichloroethene	0.5	0.4	22
Tetrachloroethene	19	18	5

Modesto Superfund Site 33Q
Volatiles - Data Qualification Summary - SDG 09230B

SDG	Sample	Compound	Flag	A or P	Reason
09230B	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-305-33Q MW-3A-33Q MW-17B-33Q MW-404-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	Dichloromethane	J (all detects) UJ (all non-detects)	P	Initial calibration (%RSD)
09230B	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-305-33Q MW-3A-33Q MW-17B-33Q MW-404-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	Dibromomethane	J (all detects) R (all non-detects)	P	Initial calibration (RRF)
09230B	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-305-33Q MW-404-33Q	Dichlorodifluoromethane	J+ (all detects)	P	Continuing calibration (%D)
09230B	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-305-33Q MW-404-33Q MW-17B-33Q	Dichloromethane Hexachlorobutadiene	J- (all detects) UJ (all non-detects) J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D)

SDG	Sample	Compound	Flag	A or P	Reason
09230B	MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	Dichloromethane	J- (all detects) R (all non-detects)	P	Continuing calibration (%D)
09230B	MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	tert-Butylbenzene sec-Butylbenzene p-Isopropyltoluene Butylbenzene Hexachlorobutadiene	J- (all detects) UJ (all non-detects)	P	Continuing calibration (%D)
09230B	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-305-33Q MW-3A-33Q MW-17B-33Q MW-404-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	Dichlorodifluoromethane Bromomethane Methyl-tert-butyl ether	J+ (all detects) J+ (all detects) J+ (all detects)	A	Continuing calibration (ICV %D)
09230B	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-305-33Q MW-3A-33Q MW-17B-33Q MW-404-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	Dichloromethane	J- (all detects) UJ (all non-detects)	A	Continuing calibration (ICV %D)

SDG	Sample	Compound	Flag	A or P	Reason
09230B	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-305-33Q MW-404-33Q MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	Dibromomethane	J (all detects) R (all non-detects)	A	Continuing calibration (RRF)
09230B	MW-4B-33Q	Dichlorodifluoromethane Trichlorofluoromethane 1,1-Dichloroethene 1,1,2-Trichloro-1,2,2-trifluoroethane Dichloromethane trans-1,2-Dichloroethene 2,2-Dichloropropane Hexachlorobutadiene	J- (all detects) UJ (all non-detects)	A	Matrix spike/Matrix spike duplicates (%R)
09230B	MW-4B-33Q	1,2-Dibromo-3-chloropropane	J+ (all detects)	A	Matrix spike/Matrix spike duplicates (%R)
09230B	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-305-33Q MW-404-33Q	Trichlorofluoromethane Dichloromethane Tetrachloroethene Hexachlorobutadiene	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09230B	MW-17B-33Q	Trichlorofluoromethane Dichloromethane p-Isopropyltoluene Butylbenzene Hexachlorobutadiene	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09230B	MW-17B-33Q	2-Butanone 1,2-Dibromo-3-chloropropane	J+ (all detects) J+ (all detects)	P	Laboratory control samples (%R)
09230B	MW-3A-33Q MW-17B-33Q MW-20A-33Q MW-20B-33Q	Tetrachloroethene	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)

SDG	Sample	Compound	Flag	A or P	Reason
09230B	MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	Trichlorofluoromethane Dichloromethane Hexachlorobutadiene	J- (all detects) UJ (all non-detects)	P	Laboratory control samples (%R)
09230B	MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-3A-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	2-Butanone trans-1,3-Dichloropropene 1,2-Dibromo-3-chloropropane	J+ (all detects) J+ (all detects) J+ (all detects)	P	Laboratory control samples (%R)
09230B	MW-16B-33Q MW-18A-33Q MW-82A-33Q MW-17A-33Q MW-17C-33Q MW-4C-33Q MW-4B-33Q MW-96B-33Q MW-10B-33Q MW-305-33Q MW-3A-33Q MW-17B-33Q MW-404-33Q MW-20A-33Q MW-20B-33Q MW-405-33Q	All compounds reported below the RL	J (all detects)	A	Compound quantitation and CRQLs

Modesto Superfund Site 33Q
Volatiles - Laboratory Blank Data Qualification Summary - SDG 09230B

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Volatiles - Field Blank Data Qualification Summary - SDG 09230B

No Sample Data Qualified in this SDG

LDC #: 21799G1b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/29/09

SDG #: 09230B Level III Page: 1 of 1

Laboratory: United States Environmental Protection Agency Region 9 Laboratory Reviewer: Q

2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/13/09
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	SW	RSD ≤ 30%. RRFs
IV.	Continuing calibration/ICV	SW	ICV/CCV ≤ 25%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	SW	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	SW	D = 2+3. 7+8
XVII.	Field blanks	ND	TB=10. FB=13, 16

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

MHDS

1 1	MW-16B-33Q	11 2/3	MW-3A-33Q	21 1	B9H0050-Bdc1	31	
2 1	MW-18A-33Q	12 3	MW-17B-33Q	22 2	B9H0082-Bdc1	32	
3 1	MW-82A-33Q	13 1	MW-404-33Q	23 3	B9H0063-Bdc1	33	
4 1	MW-17A-33Q	14 2/3	MW-20A-33Q	24		34	
5 1	MW-17C-33Q	15 2/3	MW-20B-33Q	25		35	
6 1	MW-4C-33Q	16 2	MW-405-33Q	26		36	
7 2	MW-4B-33Q	17 3	MW-4B-33QMS	27		37	
8 2	MW-96B-33Q	18 3	MW-4B-33QMSD	28		38	
9 2	MW-10B-33Q	19		29		39	
10 1	MW-305-33Q	20		30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA (~~EPA SW 846 Method 8260B~~)

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN.
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO.
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 21749F1b
SDG #: [redacted] COVER

VALIDATION F[redacted]INGS WORKSHEET
Initial Calibration

[redacted]e: 1 of 1
Reviewer: 9
2nd Reviewer: 2

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~) ~~524.2~~

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Did the laboratory perform a 5 point calibration prior to sample analysis?
(Y) N N/A Were percent relative standard deviations (%RSD) and relative response factors (RRF) within method criteria for all CCC's and SPCC's?
Y (N) N/A Was a curve fit used for evaluation? If yes, what was the acceptance criteria used for evaluation?_____
Y N (N/A) Did the initial calibration meet the acceptance criteria?
Y (N) N/A Were all %RSDs and RRFs within the validation criteria of ≤30 %RSD and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %RSD (Limit: ≤30.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	8/1/09	ICAL	Dichloromethane	57.65		All + Blks	J/UJ/P
			RR		0.049		J/R/A

INICAL.1SB

LDC #: 21799F1b
SDG #: see cover

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260~~ 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were percent differences (%D) and relative response factors (RRF) within method criteria for all CCC's and SPCC's ?
Y N N/A Were all %D and RRFs within the validation criteria of ≤25 %D and ≥0.05 RRF ?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤25.0%)	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	8/11/09	08119HICT	VV	38.4		All + ~~Blks~~	✓+ dets / A
		(1eV)	B	53.0			↓
			Dichloromethane	27.3			✓− UJ / A
			LL	26.4			✓+ dets / A
	8/19/09	08199HC1	VV	25.4		1-6, 10, 13.	✓+ dets / P
			Dichloromethane	47.4		B9H0050-~~Blk~~1	✓− UJ / P
			LLL	37.6			↓
			RR		0.048		✓ R / A
	8/21/09	08219HC2	Dichloromethane	48.2		12, 17-18	✓− UJ / P
			LLL	40.6		B9H0063-~~Blk~~1	↓
	8/24/09	08249HC1	Dichloromethane	50.8		7-9, 11, 14-16	✓− R / P
			CCC	26.4		B9H0082-~~Blk~~1	✓− UJ / P
			~~EEE~~	26.6			↓
			~~GGG~~	27.0			
			Butylbenzene	26.5			
			LLL	46.3			↓
			RR		0.047		✓ R / A

CAL1S

LDC #: [illegible]1b
SDG #: [illegible]

VALIDATION FIN[illegible]GS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD : GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~ 524.2)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.

Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?

Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?

#	Date	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		17/18	JJ	64 (70-130)	62 (70-~~130~~ 30)	( )	T	J-/UJ/A
			KK	55 ( )	56 ( )	( )		
			H	57 ( )	61 ( )	( )		
			TTT	55 ( )	58 ( )	( )		
			Dichloromethane	48 ( )	49 ( )	( )		
			~~PPP~~	67 ( )	( )	( )		
			OO	65 ( )	66 ( )	( )		
			LLL	50 ( )	51 ( )	( )		
			MM	131 ( )	( )	( )		J+ detects/A
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 27994b
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: q
2nd Reviewer: l

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~ ~~524.2~~)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y (N) N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		B9H0050-BS1	KK	76 (80-120)	( )	( )	1-6.10, 13	J-/UJ/P
		Dichloromethane		52 ( )	( )	( )	B9H0050-BS1	
			AA	76 ( )	( )	( )		
			LLL	61 ( )	( )	( )		
				( )	( )	( )		
		B9H0063-BS1	KK	78 (80-120)	( )	( )	12. B9H0063-BS1	J-/UJ/P
		Dichloromethane		54 ( )	( )	( )		
			M	124 ( )	( )	( )		J+ detects/P
			~~EEE~~	79 ( )	( )	( )		J-/UJ/P
		Butylbenzene		79 ( )	( )	( )		
			MM	122 ( )	( )	( )		J+ detects/P
			LLL	59 ( )	( )	( )		J-/UJ/P
			AA	76 ( )	( )	( )	11-12.14-15	
				( )	( )	( )		
				( )	( )	( )		
		B9H0082-BS1	KK	78 (80-120)	( )	( )	7-9.11.14-16	J-/UJ/P
		Dichloromethane		57 ( )	( )	( )	B9H0082-BS1	
			M	135 ( )	( )	( )		J+ detects/P
			W	122 ( )	( )	( )		
			MM	129 ( )	( )	( )		
			LLL	61 ( )	( )	( )		J-/UJ/P
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

LDC #: 21799F1b
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: [illegible]
2nd reviewer: [illegible]

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~) ~~524.2~~

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target compounds detected in the field duplicate pairs?

Compound	Concentration (µg/L)		RPD
	2	3	
K	3.2	3.2	0
AA	2.4	2.3	4

Compound	Concentration (µg/L)		RPD
	7	8	
QQQ	0.5	0.4	22
AA	19	18	5

Compound	Concentration ( )		RPD

Compound	Concentration ( )		RPD

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name:	Modesto Superfund Site 33Q
Collection Date:	September 22, 2009
LDC Report Date:	October 31, 2009
Matrix:	Water
Parameters:	Volatiles
Validation Level:	EPA Level III
Laboratory:	USEPA Region 9 Laboratory
Sample Delivery Group (SDG):	09266A

Sample Identification

EFF-092209
EW-1-092209
MW-306-33Q
MW-306-33QMS
MW-306-33QMSD

Introduction

This data review covers 5 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 524.2 for Volatiles.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds.

Average relative response factors (RRF) for all volatile target compounds were within method and validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% .

The percent differences (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds.

All of the continuing calibration RRF values were within method and validation criteria.

V. Blanks

Method blanks were reviewed for each matrix as applicable. No volatile contaminants were found in the method blanks.

Sample MW-306-33Q was identified as a trip blank. No volatile contaminants were found in this blank.

VI. Surrogate Spikes

Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits.

VII. Matrix Spike/Matrix Spike Duplicates

Although matrix spike (MS) and matrix spike duplicate (MSD) samples were not required by the method, MS and MSD samples were reported by the laboratory. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
B9I0164-BS1	Naphthalene	121 (80-120)	All samples in SDG 09266A	J+ (all detects)	P

all results ND no flags

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG 09266A	All compounds reported below the RL	J (all detects)	A

RL=24

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Modesto Superfund Site 33Q
Volatiles - Data Qualification Summary - SDG 09266A

SDG	Sample	Compound	Flag	A or P	Reason
09266A	EFF-092209 EW-1-092209 MW-306-33Q	Naphthalene	J+ (all detects)	P	Laboratory control samples (%R)
09266A	EFF-092209 EW-1-092209 MW-306-33Q	All compounds reported below the RL	J (all detects)	A	Compound quantitation and CRQLs

Modesto Superfund Site 33Q
Volatiles - Laboratory Blank Data Qualification Summary - SDG 09266A

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Volatiles - Field Blank Data Qualification Summary - SDG 09266A

No Sample Data Qualified in this SDG

LDC #: 21799H1b

SDG #: 09266A

Laboratory: United States Environmental Protection Agency Region 9 Laboratory

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 10/29/09

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA Method 524.2)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 9/22/09
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	RSDs ≤ 30%, RRFs ↓
IV.	Continuing calibration/ICV	A	Kd/Kcv ≤ 25%
V.	Blanks	A	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	A	
VIII.	Laboratory control samples	AW	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	ND	TB = 3

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

1	EFF-092209 W	11	BP10164-Blk1	21		31	
2 2a	EW-1-092209	12		22		32	
3	MW-306-33Q	13		23		33	
4	MW-306-33QMS	14		24		34	
5	MW-306-33QMSD	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA ~~(EPA SW-846 Method 8260B)~~

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN.
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO.
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 21799H1b
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: 9
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA ~~SW 846~~ Method ~~8260B~~) 524.2

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		B9ID164-BS1	MMM	121 (80-120)	( )	( )	All + Blk	J+ detects/P
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
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				( )	( )	( )		
				( )	( )	( )		

Modesto Superfund Site-33Q
Data Validation Reports
LDC #21799

Total Dissolved Solids

LDC

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: July 29, 2009

LDC Report Date: October 31, 2009

Matrix: Water

Parameters: Total Dissolved Solids

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09211C

Sample Identification

EFF-072909
EFF-072909DUP

Introduction

This data review covers 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 160.1 for Total Dissolved Solids.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total dissolved solids were found in the method blanks.

No field blanks were identified in this SDG.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were not required by the method.

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

VII. Sample Result Verification

All analytes reported above the MDL and below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG 09211C	*Analytes reported above the MDL and below the RL*	*J (all detects)*	A

RL+24

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

No field duplicates were identified in this SDG.

Modesto Superfund Site 33Q
Total Dissolved Solids - Data Qualification Summary - SDG 09211C

SDG	Sample	Analyte	Flag	A or P	Reason
09211C	EFF-072909	Analytes reported above the MDL and below the RL	J (all detects)	A	Sample result verification

Modesto Superfund Site 33Q
Total Dissolved Solids - Laboratory Blank Data Qualification Summary - SDG 09211C

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Total Dissolved Solids - Field Blank Data Qualification Summary - SDG 09211C

No Sample Data Qualified in this SDG

LDC #: 21799B6 **VALIDATION COMPLETENESS WORKSHEET** Date: 10-29-09

SDG #: 09211C Level III Page: 1 of 1

Laboratory: United States Environmental Protection Agency Region 9 Laboratory Reviewer: MG

2nd Reviewer: ✓

METHOD: Total Dissolved Solids (EPA Method 160.1)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 7-29-09
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	N	not required
V	Duplicates	A	DUP
VI.	Laboratory control samples	A	LCS
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

water

1	EFF-072909	11		21		31	
2	EFF-072909DUP	12		22		32	
3	PBW	13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: August 10, 2009

LDC Report Date: October 31, 2009

Matrix: Water

Parameters: Total Dissolved Solids

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09223C

Sample Identification

EFF-081009
MW-107-33Q
MW-401-33Q
EFF-081009DUP

Introduction

This data review covers 4 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 160.1 for Total Dissolved Solids.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total dissolved solids were found in the method blanks.

Sample MW-401-33Q was identified as a field blank. No total dissolved solids were found in this blank.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were not required by the method.

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

VII. Sample Result Verification

All analytes reported above the MDL and below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG 09223C	Analytes reported above the MDL and below the RL	J (all detects)	A

RL=24

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

Samples EFF-081009 and MW-107-33Q were identified as field duplicates. No total dissolved solids were detected in any of the samples with the following exceptions:

Analyte	Concentration (mg/L)		RPD
	EFF-081009	MW-107-33Q	
Total dissolved solids	650	660	2

Modesto Superfund Site 33Q
Total Dissolved Solids - Data Qualification Summary - SDG 09223C

SDG	Sample	Analyte	Flag	A or P	Reason
09223C	*EFF-081009* MW-107-33Q MW-401-33Q	*Analytes reported above the MDL* and below the RL	*J (all detects)*	A	*Sample result verification*

Modesto Superfund Site 33Q
Total Dissolved Solids - Laboratory Blank Data Qualification Summary - SDG 09223C

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Total Dissolved Solids - Field Blank Data Qualification Summary - SDG 09223C

No Sample Data Qualified in this SDG

LDC #: 21799D6 **VALIDATION COMPLETENESS WORKSHEET** Date: 10-29-09

SDG #: 09223C Level III Page: 1 of 1

Laboratory: United States Environmental Protection Agency Region 9 Laboratory Reviewer: MG

2nd Reviewer: ✓

METHOD: Total Dissolved Solids (EPA Method 160.1)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8-10-09
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	N	not required
V	Duplicates	A	DUP
VI.	Laboratory control samples	A	LCS
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	SW	D = 1+2
X	Field blanks	ND	FB = 3

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

all water

1	EFF-081009	11		21		31	
2	MW-107-33Q	12		22		32	
3	MW-401-33Q	13		23		33	
4	EFF-081009DUP	14		24		34	
5	PBW	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

LDC #: 21799D6
SDG #: 09223C

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: MG
2nd reviewer: ✓

METHOD: Inorganics, Method 160.1

Y N N/A Were field duplicate pairs identified in this SDG?
Y N N/A Were target analytes detected in the field duplicate pairs?

Analyte	Concentration (mg/L)		RPD (Limit)	Difference (Limit)	Qualifier
	1	2			
TDS	650.	660.	2		

Analyte	Concentration ( )		RPD (Limit)	Difference (Limit)	Qualifier

Analyte	Concentration ( )		RPD (Limit)	Difference (Limit)	Qualifier

Analyte	Concentration ( )		RPD (Limit)	Difference (Limit)	Qualifier

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: September 22, 2009

LDC Report Date: October 31, 2009

Matrix: Water

Parameters: Total Dissolved Solids

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09266A

Sample Identification

EFF-092209
EFF-092209DUP

Introduction

This data review covers 2 water samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method 160.1 for Total Dissolved Solids.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section IX.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration were met.

b. Calibration Verification

Calibration verification frequency and analysis criteria were met.

III. Blanks

Method blanks were reviewed for each matrix as applicable. No total dissolved solids were found in the method blanks.

No field blanks were identified in this SDG.

IV. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were not required by the method.

V. Duplicates

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VI. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

VII. Sample Result Verification

All analytes reported above the MDL and below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG 09266A	Analytes reported above the MDL and below the RL	J (all detects)	A

Raw data were not reviewed for this SDG.

VIII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

IX. Field Duplicates

No field duplicates were identified in this SDG.

Modesto Superfund Site 33Q
Total Dissolved Solids - Data Qualification Summary - SDG 09266A

SDG	Sample	Analyte	Flag	A or P	Reason
09266A	EFF-092209	Analytes reported above the MDL and below the RL	J (all detects)	A	Sample result verification

Modesto Superfund Site 33Q
Total Dissolved Solids - Laboratory Blank Data Qualification Summary - SDG 09266A

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Total Dissolved Solids - Field Blank Data Qualification Summary - SDG 09266A

No Sample Data Qualified in this SDG

LDC #: 21799H6

SDG #: 09266A

Laboratory: United States Environmental Protection Agency Region 9 Laboratory

VALIDATION COMPLETENESS WORKSHEET

Level III

Date: 10-29-09

Page: 1 of 1

Reviewer: MG

2nd Reviewer: [illegible]

METHOD: Total Dissolved Solids (EPA Method 160.1)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 9-22-09
IIa.	Initial calibration	A	
IIb.	Calibration verification	A	
III.	Blanks	A	
IV	Matrix Spike/Matrix Spike Duplicates	N	not required
V	Duplicates	A	DUP
VI.	Laboratory control samples	A	LCS
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

Water

1	EFF-092209	11		21		31	
2	EFF-092209DUP	12		22		32	
3	PBW	13		23		33	
4		14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

Modesto Superfund Site-33Q
Data Validation Reports
LDC #21799

Volatiles

LDC

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: July 29, 2009

LDC Report Date: October 31, 2009

Matrix: Air

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09211D

Sample Identification

GWT Pre GAC-072909
GWT Stack-072909
SVE Pre GAC-072909
SVE Stack-072909
SVE Pre GAC-072909DUP

Introduction

This data review covers 5 air samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method TO-15 for Volatiles.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J. Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 24 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds.

Average relative response factors (RRF) for all volatile target compounds and system monitoring compounds were within validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0%.

The percent differences (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds.

All of the continuing calibration RRF values were within validation criteria.

V. Blanks

Method blank analyses were performed at the required frequency. No volatile contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were not required by the method.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were not required by the method.

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG 09211D	All compounds reported below the RL	J (all detects)	A

RL=24

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Modesto Superfund Site 33Q
Volatiles - Data Qualification Summary - SDG 09211D

SDG	Sample	Compound	Flag	A or P	Reason
09211D	GWT Pre GAC-072909 GWT Stack-072909 SVE Pre GAC-072909 SVE Stack-072909	All compounds reported below the RL	J (all detects)	A	Compound quantitation and CRQLs

Modesto Superfund Site 33Q
Volatiles - Laboratory Blank Data Qualification Summary - SDG 09211D

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Volatiles - Field Blank Data Qualification Summary - SDG 09211D

No Sample Data Qualified in this SDG

LDC #: 21799C48 **VALIDATION COMPLETENESS WORKSHEET** Date: 10/29/09

SDG #: 09211D Level III Page: 1 of 1

Laboratory: United States Environmental Protection Agency Region 9 Laboratory Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA Method TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 7/29/09
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	30% RRFs
IV.	Continuing calibration/ICV	A	ICV/CCV ≤ 25%
V.	Blanks	A	
VI.	Surrogate spikes	N	
VII.	Matrix spike/Matrix spike duplicates/DUP	N/A	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

1	GWT Pre GAC-072909 air	11	B9G0087-Bk1	21		31	
2	GWT Stack-072909	12	B9G0106-Bk1	22		32	
3	SVE Pre GAC-072909	13		23		33	
4	SVE Stack-072909	14		24		34	
5	SVE Pre GAC-072909DUP	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: August 10, 2009

LDC Report Date: October 31, 2009

Matrix: Air

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09223D

Sample Identification

GWT Pre GAC-081009
GWT Stack-081009
SVE Pre GAC-081009
SVE Stack-081009
SVE-2-081009
SVE-3-081009
SVE-4-081009
SVE Pre GAC-081009DUP

Introduction

This data review covers 8 air samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method TO-15 for Volatiles.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 24 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds.

Average relative response factors (RRF) for all volatile target compounds and system monitoring compounds were within validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0%.

The percent differences (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds.

All of the continuing calibration RRF values were within validation criteria.

V. Blanks

Method blank analyses were performed at the required frequency. No volatile contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were not required by the method.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were not required by the method.

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG 09223D	All compounds reported below the RL	J (all detects)	A

RC=24

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Modesto Superfund Site 33Q
Volatiles - Data Qualification Summary - SDG 09223D

SDG	Sample	Compound	Flag	A or P	Reason
09223D	GWT Pre GAC-081009 GWT Stack-081009 SVE Pre GAC-081009 SVE Stack-081009 SVE-2-081009 SVE-3-081009 SVE-4-081009	All compounds reported below the RL	J (all detects)	A	Compound quantitation and CRQLs

Modesto Superfund Site 33Q
Volatiles - Laboratory Blank Data Qualification Summary - SDG 09223D

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Volatiles - Field Blank Data Qualification Summary - SDG 09223D

No Sample Data Qualified in this SDG

LDC #: 21799E48 **VALIDATION COMPLETENESS WORKSHEET** Date: 10/9/09

SDG #: 09223D Level III Page: 1 of 1

Laboratory: United States Environmental Protection Agency Region 9 Laboratory Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC/MS Volatiles (EPA Method TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 8/10/09
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	RSD ≤ 30%. RRFs
IV.	Continuing calibration/ICV	A	ICV/CCV ≤ 25%
V.	Blanks	A	
VI.	Surrogate spikes	N	
VII.	Matrix spike/Matrix spike duplicates DUP	N/A	
VIII.	Laboratory control samples	A	LCS
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

All air

1	GWT Pre GAC-081009	11	B9H0033-BK1	21		31	
2	GWT Stack-081009	12		22		32	
3	SVE Pre GAC-081009	13		23		33	
4	SVE Stack-081009	14		24		34	
5	SVE-2-081009	15		25		35	
6	SVE-3-081009	16		26		36	
7	SVE-4-081009	17		27		37	
8	SVE Pre GAC-081009DUP	18		28		38	
9		19		29		39	
10		20		30		40	

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: September 22, 2009

LDC Report Date: October 31, 2009

Matrix: Air

Parameters: Volatiles

Validation Level: EPA Level III

Laboratory: USEPA Region 9 Laboratory

Sample Delivery Group (SDG): 09266C

Sample Identification

GWT Pre GAC-092209
GWT Stack-092209
SVE Pre GAC-092209
SVE Stack-092209
GWT Stack-092209DUP

Introduction

This data review covers 5 air samples listed on the cover sheet including dilutions and reanalysis as applicable. The analyses were per EPA Method TO-15 for Volatiles.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review (June 2008) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section V.

Field duplicates are summarized in Section XVI.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

Instrument performance was checked at 24 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration

Initial calibration was performed using required standard concentrations.

Percent relative standard deviations (%RSD) were less than or equal to 30.0% for all compounds.

Average relative response factors (RRF) for all volatile target compounds and system monitoring compounds were within validation criteria.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

All of the continuing calibration percent differences (%D) between the initial calibration RRF and the continuing calibration RRF were less than or equal to 25.0% with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
9/23/09	Dichlorodifluoromethane 1,2-Dichloroethane	26.1 25.7	All samples in SDG 09266C	J+ (all detects) J+ (all detects)	P

all results ND except dichlorodifluoro for SVE stack (J RC=5

The percent differences (%D) of the second source calibration standard were less than or equal to 25.0% for all compounds.

All of the continuing calibration RRF values were within validation criteria.

V. Blanks

Method blank analyses were performed at the required frequency. No volatile contaminants were found in the method blanks.

No field blanks were identified in this SDG.

VI. Surrogate Spikes

Surrogates were not required by the method.

VII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) analyses were not required by the method.

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

VIII. Laboratory Control Samples (LCS)

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID	Compound	%R (Limits)	Associated Samples	Flag	A or P
B9I0145-BS1	Trichlorofluoromethane 1,2-Dichloroethane	136 (70-130) 134 (70-130)	All samples in SDG 09266C	J+ (all detects) J+ (all detects)	P

all rev H3 ND except trichlorofluoro.. for SVE Stack RL=10

IX. Regional Quality Assurance and Quality Control

Not applicable.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Target Compound Identifications

Raw data were not reviewed for this SDG.

XII. Compound Quantitation and CRQLs

All compounds reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG 09266C	All compounds reported below the RL	J (all detects)	A

RL=24

Raw data were not reviewed for this SDG.

XIII. Tentatively Identified Compounds (TICs)

Raw data were not reviewed for this SDG.

XIV. System Performance

Raw data were not reviewed for this SDG.

XV. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

XVI. Field Duplicates

No field duplicates were identified in this SDG.

Modesto Superfund Site 33Q
Volatiles - Data Qualification Summary - SDG 09266C

SDG	Sample	Compound	Flag	A or P	Reason
09266C	GWT Pre GAC-092209 GWT Stack-092209 SVE Pre GAC-092209 SVE Stack-092209	Dichlorodifluoromethane 1,2-Dichloroethane	J+ (all detects) J+ (all detects)	P	Continuing calibration (%D)
09266C	GWT Pre GAC-092209 GWT Stack-092209 SVE Pre GAC-092209 SVE Stack-092209	Trichlorofluoromethane 1,2-Dichloroethane	J+ (all detects) J+ (all detects)	P	Laboratory control samples (%R)
09266C	GWT Pre GAC-092209 GWT Stack-092209 SVE Pre GAC-092209 SVE Stack-092209	All compounds reported below the RL	J (all detects)	A	Compound quantitation and CRQLs

Modesto Superfund Site 33Q
Volatiles - Laboratory Blank Data Qualification Summary - SDG 09266C

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Volatiles - Field Blank Data Qualification Summary - SDG 09266C

No Sample Data Qualified in this SDG

LDC #: 21799I48 **VALIDATION COMPLETENESS WORKSHEET** Date: 10/09/09

SDG #: 09266C Level III Page: 1 of 1

Laboratory: United States Environmental Protection Agency Region 9 Laboratory Reviewer: a

2nd Reviewer: A

METHOD: GC/MS Volatiles (EPA Method TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 9/22/09
II.	GC/MS Instrument performance check	A	
III.	Initial calibration	A	~~RRF~~
IV.	Continuing calibration/ICV	SW	ICV/CCV ≤ 25%
V.	Blanks	A	
VI.	Surrogate spikes	N	
VII.	Matrix spike/Matrix spike duplicates/LCMS	N/A	
VIII.	Laboratory control samples	SW	
IX.	Regional Quality Assurance and Quality Control	N	
X.	Internal standards	A	
XI.	Target compound identification	N	
XII.	Compound quantitation/CRQLs	N	
XIII.	Tentatively identified compounds (TICs)	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	
XVI.	Field duplicates	N	
XVII.	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

1	GWT Pre GAC-092209 air	11	B910145-Field	21		31	
2	GWT Stack-092209	12		22		32	
3	SVE Pre GAC-092209	13		23		33	
4	SVE Stack-092209	14		24		34	
5	GWT Stack-092209DUP	15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

TARGET COMPOUND WORKSHEET

METHOD: VOA ~~(EPA SW 846 Method 8260B)~~

A. Chloromethane*	U. 1,1,2-Trichloroethane	OO. 2,2-Dichloropropane	III. n-Butylbenzene	CCCC.1-Chlorohexane
B. Bromomethane	V. Benzene	PP. Bromochloromethane	JJJ. 1,2-Dichlorobenzene	DDDD. Isopropyl alcohol
C. Vinyl choride**	W. trans-1,3-Dichloropropene	QQ. 1,1-Dichloropropene	KKK. 1,2,4-Trichlorobenzene	EEEE. Acetonitrile
D. Chloroethane	X. Bromoform*	RR. Dibromomethane	LLL. Hexachlorobutadiene	FFFF. Acrolein
E. Methylene chloride	Y. 4-Methyl-2-pentanone	SS. 1,3-Dichloropropane	MMM. Naphthalene	GGGG. Acrylonitrile
F. Acetone	Z. 2-Hexanone	TT. 1,2-Dibromoethane	NNN. 1,2,3-Trichlorobenzene	HHHH. 1,4-Dioxane
G. Carbon disulfide	AA. Tetrachloroethene	UU. 1,1,1,2-Tetrachloroethane	OOO. 1,3,5-Trichlorobenzene	IIII. Isobutyl alcohol
H. 1,1-Dichloroethene**	BB. 1,1,2,2-Tetrachloroethane*	VV. Isopropylbenzene	PPP. trans-1,2-Dichloroethene	JJJJ. Methacrylonitrile
I. 1,1-Dichloroethane*	CC. Toluene**	WW. Bromobenzene	QQQ. cis-1,2-Dichloroethene	KKKK. Propionitrile
J. 1,2-Dichloroethene, total	DD. Chlorobenzene*	XX. 1,2,3-Trichloropropane	RRR. m,p-Xylenes	LLLL. Ethyl ether
K. Chloroform**	EE. Ethylbenzene**	YY. n-Propylbenzene	SSS. o-Xylene	MMMM. Benzyl chloride
L. 1,2-Dichloroethane	FF. Styrene	ZZ. 2-Chlorotoluene	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	NNNN.
M. 2-Butanone	GG. Xylenes, total	AAA. 1,3,5-Trimethylbenzene	UUU. 1,2-Dichlorotetrafluoroethane	OOOO.
N. 1,1,1-Trichloroethane	HH. Vinyl acetate	BBB. 4-Chlorotoluene	VVV. 4-Ethyltoluene	PPPP.
O. Carbon tetrachloride	II. 2-Chloroethylvinyl ether	CCC. tert-Butylbenzene	WWW. Ethanol	QQQQ.
P. Bromodichloromethane	JJ. Dichlorodifluoromethane	DDD. 1,2,4-Trimethylbenzene	XXX. Di-isopropyl ether	RRRR.
Q. 1,2-Dichloropropane**	KK. Trichlorofluoromethane	EEE. sec-Butylbenzene	YYY. tert-Butanol	SSSS.
R. cis-1,3-Dichloropropene	LL. Methyl-tert-butyl ether	FFF. 1,3-Dichlorobenzene	ZZZ. tert-Butyl alcohol	TTTT.
S. Trichloroethene	MM. 1,2-Dibromo-3-chloropropane	GGG. p-Isopropyltoluene	AAAA. Ethyl tert-butyl ether	UUUU.
T. Dibromochloromethane	NN. Methyl ethyl ketone	HHH. 1,4-Dichlorobenzene	BBBB. tert-Amyl methyl ether	VVVV.

* = System performance check compounds (SPCC) for RRF ; ** = Calibration check compounds (CCC) for %RSD.

LDC #: 21799148
SDG #: 09266C

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC/MS VOA (EPA TO-15)
Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
Y N N/A Was a continuing calibration standard analyzed at least once every 12 hours for each instrument?
Y N N/A Were all percent differences (%D) ≤ 30% and relative response factors (RRF) ≥ 0.05?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤~~30.0%~~) 25%	Finding RRF (Limit: ≥0.05)	Associated Samples	Qualifications
	9/23/09	09239NC01	N	26.1		All + Blk	✓ detects / ~~all~~ P
			L	25.7			✓

LDC #: 21[illegible]148
SDG #: See cover

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: [illegible] of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: GC/MS VOA (EPA Method TO-15)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?
Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	Date	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		B910145-BS1	Kk	136 (70-130)	( )	( )	All	+ detects/P
			L	134 (↓)	( )	( )		↓
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		
				( )	( )	( )		

Modesto Superfund Site-33Q
Data Validation Reports
LDC #21799

Uranium

LDC

LDC Report# 21799A59

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Modesto Superfund Site 33Q

Collection Date: July 29, 2009

LDC Report Date: October 31, 2009

Matrix: Water

Parameters: Uranium

Validation Level: EPA Level III

Laboratory: Eberline Services

Sample Delivery Group (SDG): R907136-8367

Sample Identification

EFF-072909
EFF-072909MS
EFF-072909DUP

Introduction

This data review covers 3 water samples listed on the cover sheet. The analyses were per ASTM Method D-5174 for Uranium.

The review follows the Final Sampling and Analysis Plan for Modesto Superfund Site, Modesto, California (May 2001) and a modified outline of the USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review (October 2004) as there are no current guidelines for the method stated above.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

Blank results are summarized in Section III.

Field duplicates are summarized in Section VIII.

Raw data were not reviewed for this SDG. The review was based on QC data.

The following are definitions of the data qualifiers:

J+ Data are qualified as estimated, with a high bias likely to occur. False positives or false negatives are unlikely to have been reported.

J- Data are qualified as estimated, with a low bias likely to occur. False positives or false negatives are unlikely to have been reported.

J Data are qualified as estimated; it is not possible to assess the direction of the potential bias. False positives or false negatives are unlikely to have been reported.

R Data are qualified as rejected. There is a significant potential for the reporting of false negatives or false positives.

U Data are qualified as non-detected, because the analyte was observed in an associated laboratory or field blank.

A Indicates the finding is based upon technical validation criteria.

P Indicates the finding is related to a protocol/contractual deviation.

None Indicates the data was not significantly impacted by the finding, therefore qualification was not required.

I. Technical Holding Times

All technical holding time requirements were met.

The chain-of-custodies were reviewed for documentation of cooler temperatures. All cooler temperatures met validation criteria.

II. Calibration

a. Initial Calibration

All criteria for the initial calibration were met.

b. Continuing Calibration

Calibration verification and background determination was performed at the required frequencies.

III. Blanks

Method blanks were reviewed for each matrix as applicable. Blank results contained less than the minimum detectable activity (MDA).

No field blanks were identified in this SDG.

IV. Accuracy and Precision Data

a. Matrix Spike/(Matrix Spike) Duplicates

Matrix spike (MS) samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

Duplicate (DUP) sample analyses were reviewed for each matrix as applicable. Results were within QC limits.

b. Laboratory Control Samples

Laboratory control samples were reviewed for each matrix as applicable. Percent recoveries (%R) were within QC limits.

V. Minimum Detectable Activity

All minimum detectable activities met required detection limits.

The QAPP reporting limits were met with the following exceptions:

Sample	Isotope	Finding	Criteria	Flag	A or P
EFF-072909	Total uranium	Sample minimum detectable activity reported at 0.180 pCi/L	Required detection limit should be reported at 0.1 pCi/L per the QAPP.	None	P

VI. Sample Result Verification

All isotopes reported below the RL were qualified as follows:

Sample	Finding	Flag	A or P
All samples in SDG R907136-8367	Isotopes reported below the RL	J (all detects)	A

Raw data were not reviewed for this SDG.

VII. Overall Assessment of Data

Data flags are summarized at the end of this report if data has been qualified.

VIII. Field Duplicates

No field duplicates were identified in this SDG.

Modesto Superfund Site 33Q
Uranium - Data Qualification Summary - SDG R907136-8367

SDG	Sample	Isotope	Flag	A or P	Reason
R907136-8367	EFF-072909	Total uranium	None	P	Minimum detectable activity
R907136-8367	EFF-072909	Isotopes reported below the RL	J (all detects)	A	Sample result verification

Modesto Superfund Site 33Q
Uranium - Laboratory Blank Data Qualification Summary - SDG R907136-8367

No Sample Data Qualified in this SDG

Modesto Superfund Site 33Q
Uranium - Field Blank Data Qualification Summary - SDG R907136-8367

No Sample Data Qualified in this SDG

LDC #: 21799A59 **VALIDATION COMPLETENESS WORKSHEET** Date: 10-29-09

SDG #: R907136-8367 Level III Page: 1 of 1

Laboratory: Eberline Services Reviewer: MG

2nd Reviewer: ✓

METHOD: Uranium (ASTM D-5174)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Technical holding times	A	Sampling dates: 7-29-09
IIa.	Initial calibration	A	
IIb.	*Calibration verification*	A	
III.	Blanks	A	
IV.	Matrix Spike/(Matrix Spike) Duplicates	A	MS /DUP
V.	Laboratory control samples	A	LCS
VI.	Minimum Detectable Activity (MDA)	SW	
VII.	Sample result verification	N	
VIII.	Overall assessment of data	A	
IX.	Field duplicates	N	
X	Field blanks	N	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank

Validated Samples:

~~Air~~ water

1	EFF-072909	11		21		31	
2	EFF-072909MS	12		22		32	
3	EFF-072909DUP	13		23		33	
4	PBW	14		24		34	
5		15		25		35	
6		16		26		36	
7		17		27		37	
8		18		28		38	
9		19		29		39	
10		20		30		40	

Notes:

LDC #: 2[illegible]9A59
SDG #: R907136-8367

VALIDATION FINDINGS WORKSHEET
Minimum Detectable Activities

Page: 1 of 1
Reviewer: MG
2nd Reviewer: [illegible]

METHOD: Radiochemistry (Method: ASTM D-5174)

The following sample MDAs are above the RDL:

#	Sample ID	Isotope	QAPP RL RDL (units)	Lab MDA (units)	Finding	Qualifications
1	1	Total U	0.1 (pCi/L)	0.180 (pCi/L)	Lab MDA > QAPP RL	None /P

Comments:

APPENDIX D

SYSTEM UPTIME LOGS

APPENDIX D
SYSTEM UPTIME LOGS

This section presents quantitative results on operational time for the groundwater treatment (GWT) and soil vapor extraction (SVE) systems. Operation time and percentage of uptime for this reporting period (01 July through 30 September 2009) are as follows:

Remedial System	Total Operation Hours	Percentage of Operation
Groundwater Treatment	2,079	94.2%
Soil Vapor Extraction	2,208	100%

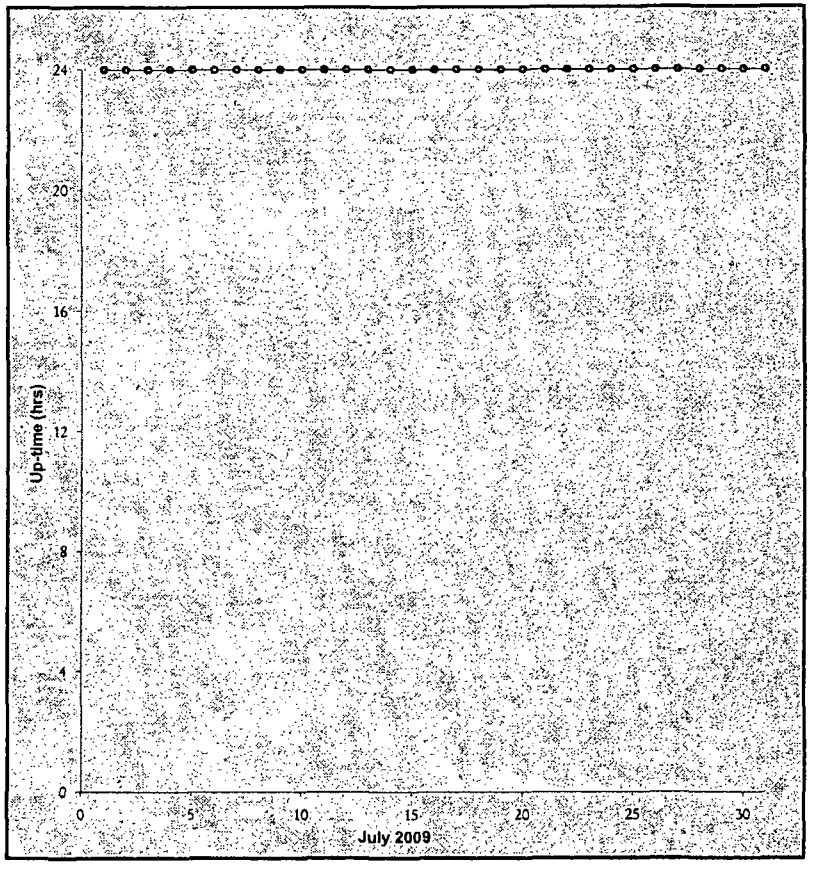
Monthly graphical representations of the GWT system operation time can be found in Figures D-1, D-2, and D-3 for July, August, and September 2009, respectively.

Monthly graphical representations of the SVE system operation time can be found in Figures D-4, D-5, and D-6 for July, August, and September 2009, respectively.

FIGURE D-1

UPTIME LOG
GROUNDWATER TREATMENT SYSTEM
MODESTO SUPERFUND SITE

Month	Day	Uptime (hrs)	Description of Activity Performed
July	1	24	
	2	24	
	3	24	
	4	24	
	5	24	
	6	24	
	7	24	
	8	24	
	9	24	
	10	24	
	11	24	
	12	24	
	13	24	
	14	24	
	15	24	
	16	24	
	17	24	
	18	24	
	19	24	
	20	24	
	21	24	
	22	24	
	23	24	
	24	24	
	25	24	
	26	24	
	27	24	
	28	24	
	29	24	
	30	24	
	31	24	



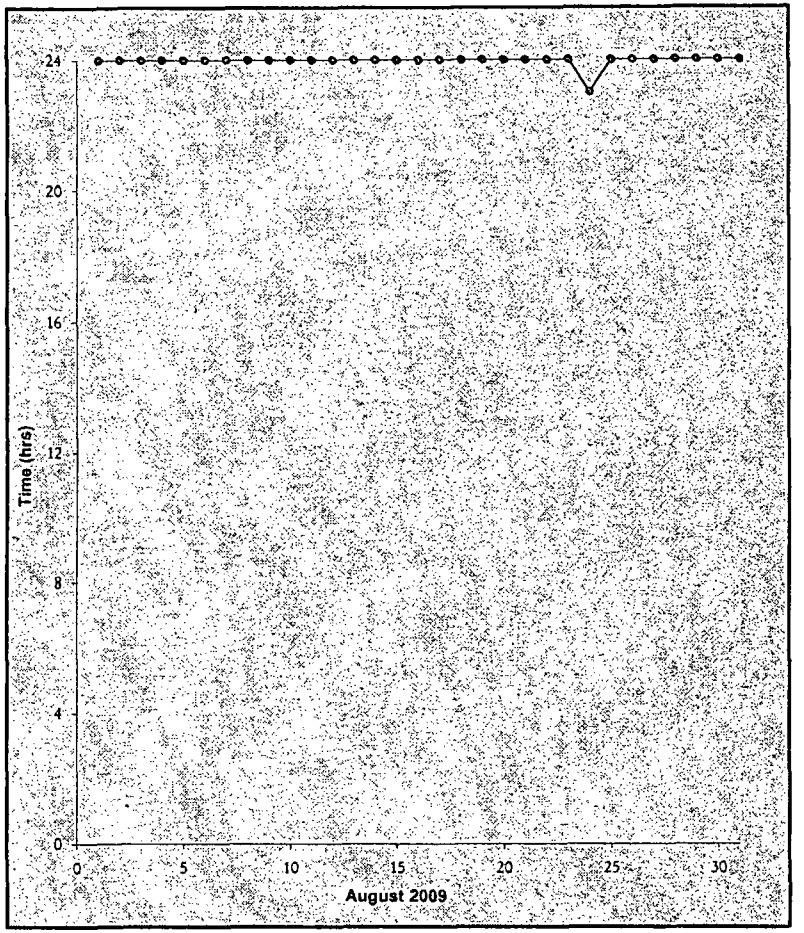
Uptime hours	744
Uptime %	100.0%

Notes:

FIGURE D-2

UPTIME LOG
GROUNDWATER TREATMENT SYSTEM
MODESTO SUPERFUND SITE

Month	Day	Uptime (hrs)	Description of Activity Performed
August	1	24	
	2	24	
	3	24	
	4	24	
	5	24	
	6	24	
	7	24	
	8	24	
	9	24	
	10	24	
	11	24	
	12	24	
	13	24	
	14	24	
	15	24	
	16	24	
	17	24	
	18	24	
	19	24	
	20	24	
	21	24	
	22	24	
	23	24	
	24	23	System was shutdown for maintenance.
	25	24	
	26	24	
	27	24	
	28	24	
	29	24	
	30	24	
	31	24	



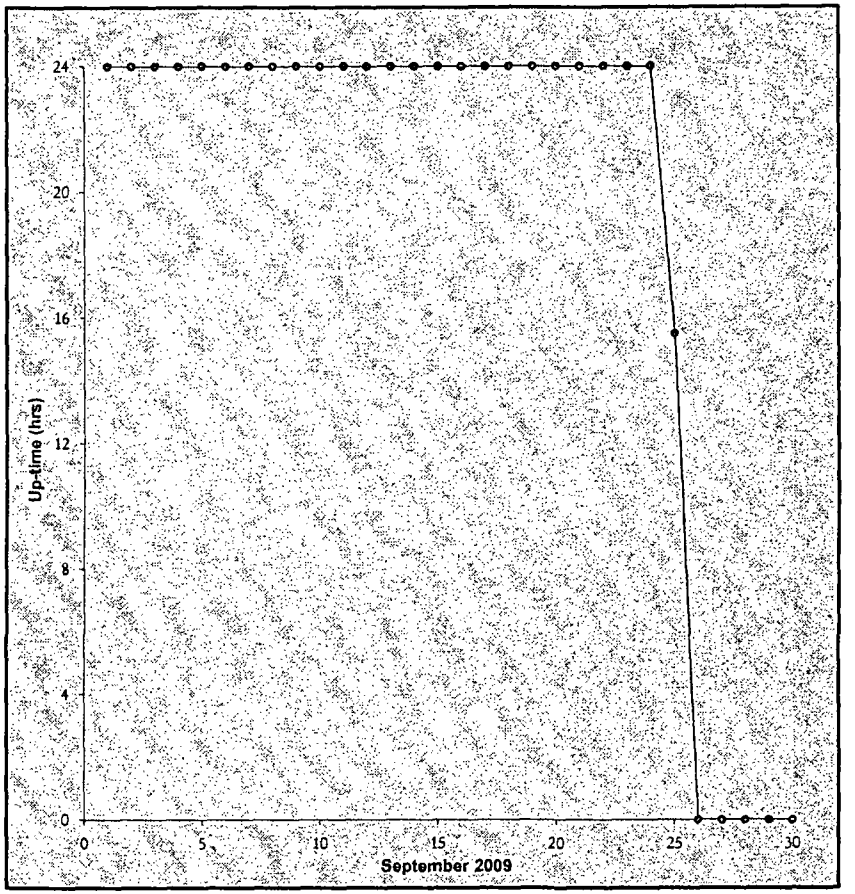
Uptime hours	743
Uptime %	99.9%

Notes:

FIGURE D-3

UPTIME LOG
GROUNDWATER TREATMENT SYSTEM
MODESTO SUPERFUND SITE

Month	Day	Uptime (hrs)	Description of Activity Performed
September	1	24	
	2	24	
	3	24	
	4	24	
	5	24	
	6	24	
	7	24	
	8	24	
	9	24	
	10	24	
	11	24	
	12	24	
	13	24	
	14	24	
	15	24	
	16	24	
	17	24	
	18	24	
	19	24	
	20	24	
	21	24	
	22	24	
	23	24	
	24	24	
	25	15.5	Susyem was shutdown after broken 2" ball valve - DNAPL 8 alarm
	26	0	
	27	0	
	28	0	
	29	0	
	30	0	



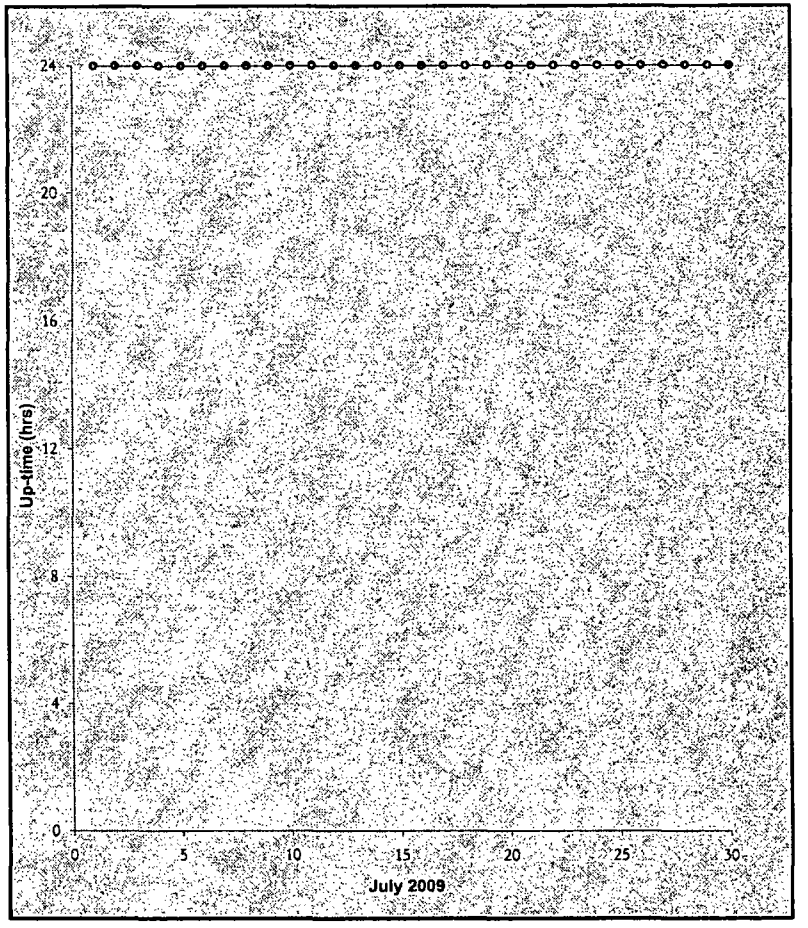
Uptime hours:	591.5
Uptime %	82.2%

Notes:

FIGURE D-4

UPTIME LOG
SVE TREATMENT SYSTEM
MODESTO SUPERFUND SITE

Month	Day	Uptime (hrs)	Description of Activity Performed
July	1	24	
	2	24	
	3	24	
	4	24	
	5	24	
	6	24	
	7	24	
	8	24	
	9	24	
	10	24	
	11	24	
	12	24	
	13	24	
	14	24	
	15	24	
	16	24	
	17	24	
	18	24	
	19	24	
	20	24	
	21	24	
	22	24	
	23	24	
	24	24	
	25	24	
	26	24	
	27	24	
	28	24	
	29	24	
	30	24	
	31	24	



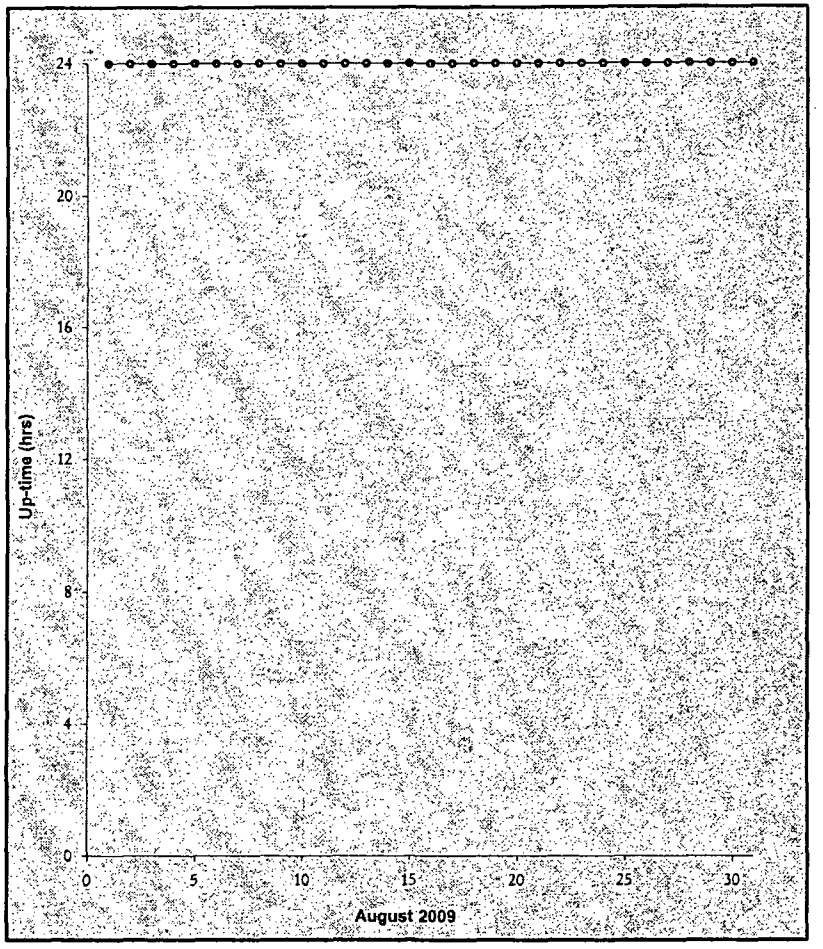
Uptime hours	744
Uptime %	100.0%

Notes:

FIGURE D-5

UPTIME LOG
SVE TREATMENT SYSTEM
MODESTO SUPERFUND SITE

Month	Day	Uptime (hrs)	Description of Activity/Performed
August	1	24	
	2	24	
	3	24	
	4	24	
	5	24	
	6	24	
	7	24	
	8	24	
	9	24	
	10	24	
	11	24	
	12	24	
	13	24	
	14	24	
	15	24	
	16	24	
	17	24	
	18	24	
	19	24	
	20	24	
	21	24	
	22	24	
	23	24	
	24	24	
	25	24	
	26	24	
	27	24	
	28	24	
	29	24	
	30	24	
	31	24	



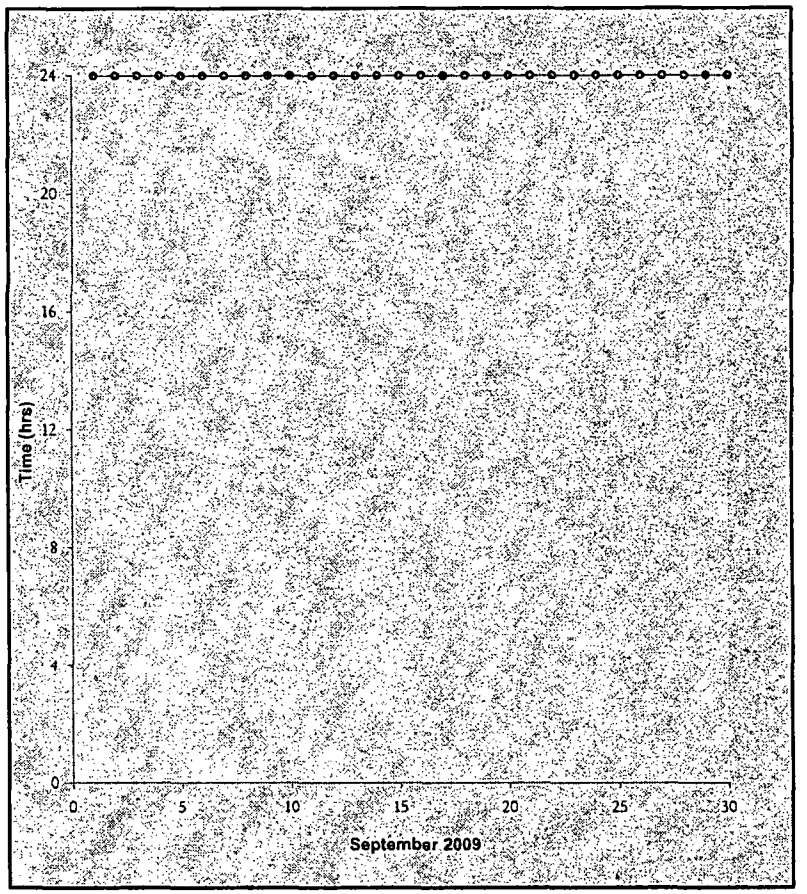
Uptime hours:	744
Uptime %	100.0%

Notes:

FIGURE D-6

UPTIME LOG
SVE TREATMENT SYSTEM
MODESTO SUPERFUND SITE

Month	Day	Uptime (hrs)	Description of Activity Performed
September	1	24	
	2	24	
	3	24	
	4	24	
	5	24	
	6	24	
	7	24	
	8	24	
	9	24	
	10	24	
	11	24	
	12	24	
	13	24	
	14	24	
	15	24	
	16	24	
	17	24	
	18	24	
	19	24	
	20	24	
	21	24	
	22	24	
	23	24	
	24	24	
	25	24	
	26	24	
	27	24	
	28	24	
	29	24	
	30	24	



Uptime hours	720
Uptime %	100.0%

Notes:

APPENDIX E

PROCESS AND MONITORING LOGS

APPENDIX E
PROCESS AND MONITORING LOGS

This section presents process and monitoring logs recorded during monthly routine and non-routine visits during this reporting period (01 July through 30 September 2009) for both soil vapor extraction (SVE) and groundwater treatment (GWT) systems. Process readings, (flow rates, pressures, and vapor concentrations) pertaining to individual treatment units (air stripper, liquid granular activated carbon (GAC), and ion exchange) are recorded to document trends in each treatment process and establish typical operating ranges. These process and monitoring logs are working documents that will be updated as necessary to accommodate changes and modifications to the treatment systems.

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	21.24	9597

Operator: D. Busch
Date: 07/07/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	No Access
AS Hour Meter	27332.5

Time: 9:00

WEATHER	
80	TEMP
Skys	
X	CLR
	PC
	OC
	RAIN
Wind	
	NONE
X	BREEZY
	WINDY
	THNDR

System Inlet

Totalizer (gallons)	3146700
Pressure (psi)	32
Flow (gpm)	49
PH	7.7

Filter (F-2)

Press. Pre-filter (psi)	72.8
Press. Post-filter (psi)	71.3
Flow (gpm)	57

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	35.7
Press. Post-filter (psi)	32.8
Disch Flow (gpm)	66

LGAC

Inlet press (psi)	68
Midbed press (psi)	60
Disc, press (psi)	53

Air Stripper Vapor

sump press.("wc)	16.5
Disc. press.("wc)	4
Disc. Flow velocicalc(scfm)	680
Temperature (deg F)	70.4

ION Exchange

Inlet pressure (psi)	13.5
Midbed press (psi)	12
Flow (gpm)	56

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	24.2
Gac discharge (ppm)	23.8

Effluent

Sewer Disc.Flow (gpm)	56
Sewer Disc.total (gallons)	1743000
PH	8.3

Radiation Meter

Outside GWTS: 0.06 mR/hr peak
Inside GWTS: 0.02 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	83

Chemical

Gallons	10

Soil Vapor Treatment System

Time: 9:30

System Inlet

Pressure ("wc)	62
Flow velocicalc (scfm)	147
Temperature (deg F)	83.8
Dilution air (yes/no)	No

Blower

Hour Meter	20443.4
Discharge Pressure ("wc)	
Outlet temp (deg F)	110
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: mR/hr peak
Inside SVE: mR/hr peak

Filter

Press. Pre-filter ("wc)	64
Press. Post-filter ("wc)	60

VGAC Stack

Flow velocicalc (scfm)	140
Temperature (deg F)	190.2

Health & Safety

	Fire Ext
	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	25.6
Gac discharge (ppm)	15.2

ModuRae PID

Gac inlet (ppm)	-9.5
Gac discharge (ppm)	-11.1

Notes

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	20.938	1308

Operator: D. Busch
Date: 07/17/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	53.93
AS Hour Meter	27572.5

Time: 8:15

WEATHER	
80	TEMP
Skys	
X	CLR
	PC
	OC
	RAIN
Wind	
X	NONE
	BREEZY
	WINDY
	THNDR

System Inlet

Totalizer (gallons)	3800900
Pressure (psi)	31
Flow (gpm)	48
PH	7.1

Filter (F-2)

Press. Pre-filter (psi)	69.8
Press. Post-filter (psi)	69.1
Flow (gpm)	70

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	32.7
Press. Post-filter (psi)	30.2
Disch Flow (gpm)	61

LGAC

Inlet press (psi)	64
Midbed press (psi)	54
Disc, press (psi)	45

Air Stripper Vapor

sump press.("wc)	17
Disc. press.("wc)	4
Disc. Flow velocicalc(scfm)	670
Temperature (deg F)	71.1

ION Exchange

Inlet pressure (psi)	12
Midbed press (psi)	12
Flow (gpm)	60

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	17.2
Gac discharge (ppm)	15.1

Effluent

Sewer Disc.Flow (gpm)	600
Sewer Disc.total (gallons)	2407400
PH	7.5

Radiation Meter

Outside GWTS: 0.1 mR/hr peak
Inside GWTS: 0.01 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	78

Chemical

Gallons	10

Soil Vapor Treatment System

Time: 9:07

System Inlet

Pressure ("wc)	62
Flow velocicalc (scfm)	150
Temperature (deg F)	88.6
Dilution air (yes/no)	No

Blower

Hour Meter	20683.1
Discharge Pressure ("wc)	3.4
Outlet temp (deg F)	115
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: 0.1 mR/hr peak
Inside SVE: 0.01 mR/hr peak

Filter

Press. Pre-filter ("wc)	65
Press. Post-filter ("wc)	62

VGAC Stack

Flow velocicalc (scfm)	137
Temperature (deg F)	196.7

Health & Safety

X	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	5.8
Gac discharge (ppm)	1.7

ModuRae PID

Gac inlet (ppm)	-8.0
Gac discharge (ppm)	-10.7

Notes

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	20.958	4161

Operator: D. Busch
Date: 07/23/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	53.95
AS Hour Meter	27716.2

Time: 8:45

System Inlet

Totalizer (gallons)	4194700
Pressure (psi)	32
Flow (gpm)	48
PH	7.4

Filter (F-2)

Press. Pre-filter (psi)	71.3
Press. Post-filter (psi)	70.3
Flow (gpm)	62

WEATHER

80	TEMP
	Skys
X	CLR
	PC
	OC
	RAIN
	Wind
X	NONE
	BREEZY
	WINDY
	THNDR

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	32.1
Press. Post-filter (psi)	29.6
Disch Flow (gpm)	61

LGAC

Inlet press (psi)	67
Midbed press (psi)	57
Disc, press (psi)	50

Air Stripper Vapor

sump press.("wc)	16.5
Disc. press.("wc)	4
Disc. Flow velocicalc(scfm)	685
Temperature (deg F)	-

ION Exchange

Inlet pressure (psi)	17
Midbed press (psi)	16
Flow (gpm)	62

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	26
Gac discharge (ppm)	25.7

Effluent

Sewer Disc.Flow (gpm)	62
Sewer Disc.total (gallons)	2804300
PH	8

Radiation Meter

Outside GWTS: 0.1 mR/hr peak
Inside GWTS: 0.01 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	80

Chemical

Gallons	12

Soil Vapor Treatment System

Time: 9:30

System Inlet

Pressure ("wc)	62
Flow velocicalc (scfm)	150
Temperature (deg F)	90.1
Dilution air (yes/no)	No

Blower

Hour Meter	20827.1
Discharge Pressure ("wc)	3.5
Outlet temp (deg F)	107
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: 0.1 mR/hr peak
Inside SVE: 0.01 mR/hr peak

Filter

Press. Pre-filter ("wc)	65
Press. Post-filter ("wc)	62

VGAC Stack

Flow velocicalc (scfm)	139
Temperature (deg F)	192.1

Health & Safety

X	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	6.0
Gac discharge (ppm)	2.0

ModuRae PID

Gac inlet (ppm)	-8.0
Gac discharge (ppm)	-10.8

Notes

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	21 092	7063

Operator: D. Busch
Date: 07/29/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	No Access
AS Hour Meter	27861.6

Time: 10:00

WEATHER	
80	TEMP
Skys	
X	CLR
	PC
	OC
	RAIN
Wind	
X	NONE
	BREEZY
	WINDY
	THNDR

System Inlet

Totalizer (gallons)	4590600
Pressure (psi)	30
Flow (gpm)	48
PH	7.7

Filter (F-2)

Press. Pre-filter (psi)	71.7
Press. Post-filter (psi)	70.4
Flow (gpm)	64

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	32.6
Press. Post-filter (psi)	30
Disch Flow (gpm)	66

LGAC

Inlet press (psi)	66
Midbed press (psi)	57
Disc, press (psi)	50

Air Stripper Vapor

sump press.("wc)	16
Disc. press.("wc)	4
Disc. Flow velocicalc(scfm)	690
Temperature (deg F)	-

ION Exchange

Inlet pressure (psi)	14
Midbed press (psi)	10
Flow (gpm)	62

Health & Safety

X	*Fire Ext*
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	7
Gac discharge (ppm)	6.2

Effluent

Sewer Disc Flow (gpm)	62
Sewer Disc.total (gallons)	3202500
PH	8.4

Radiation Meter

Outside GWTS: 0.1 mR/hr peak
Inside GWTS: 0.01 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	84

Chemical

Gallons	9

Soil Vapor Treatment System

Time: 11:15

System Inlet

Pressure ("wc)	63
Flow velocicalc (scfm)	148
Temperature (deg F)	87
Dilution air (yes/no)	No

Blower

Hour Meter	20973.2
Discharge Pressure ("wc)	3.5
Outlet temp (deg F)	110
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: 0.1 mR/hr peak
Inside SVE: 0.01 mR/hr peak

Filter

Press. Pre-filter ("wc)	65
Press. Post-filter ("wc)	62

VGAC Stack

Flow velocicalc (scfm)	140
Temperature (deg F)	191.1

Health & Safety

X	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	6.5
Gac discharge (ppm)	3.0

ModuRae PID

Gac inlet (ppm)	-6.0
Gac discharge (ppm)	-9.6

Notes

System samples are collected from both groundwater and SVE treatment systems.

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	21.19	10908

Operator: D. Busch
Date: 08/06/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	53.95
AS Hour Meter	28053.3

Time: 9:30

WEATHER	
75	TEMP
Skys	
X	CLR
	PC
	OC
	RAIN
Wind	
	NONE
X	BREEZY
	WINDY
	THNDR

System Inlet

Totalizer (gallons)	5111900
Pressure (psi)	30
Flow (gpm)	48
PH	7.5

Filter (F-2)

Press. Pre-filter (psi)	73.2
Press. Post-filter (psi)	72.1
Flow (gpm)	60

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	30.9
Press. Post-filter (psi)	29.3
Disch Flow (gpm)	62

LGAC

Inlet press (psi)	67
Midbed press (psi)	58
Disc. press (psi)	50

Air Stripper Vapor

sump press.("wc)	16
Disc. press.("wc)	4
Disc. Flow velocicalc(scfm)	685
Temperature (deg F)	-

ION Exchange

Inlet pressure (psi)	15
Midbed press (psi)	13
Flow (gpm)	60

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	7
Gac discharge (ppm)	2.9

Effluent

Sewer Disc.Flow (gpm)	62
Sewer Disc.total (gallons)	3732400
PH	8.3

Radiation Meter

Outside GWTS: 0.1 mR/hr peak
Inside GWTS: 0.01 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	83

Chemical

Gallons	11

Soil Vapor Treatment System

Time: 9:30

System Inlet

Pressure ("wc)	61
Flow velocicalc (scfm)	147
Temperature (deg F)	89
Dilution air (yes/no)	No

Blower

Hour Meter	21163.4
Discharge Pressure ("wc)	3.7
Outlet temp (deg F)	120
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: 0.1 mR/hr peak
Inside SVE: 0.1 mR/hr peak

Filter

Press. Pre-filter ("wc)	65
Press. Post-filter ("wc)	63

VGAC Stack

Flow velocicalc (scfm)	141
Temperature (deg F)	195

Health & Safety

	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	7.0
Gac discharge (ppm)	3.0

ModuRae PID

Gac inlet (ppm)	-7.0
Gac discharge (ppm)	-12.0

Notes

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	21.9	12905

Operator: D. Busch
Date: 08/10/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	54.86
AS Hour Meter	28148.6

Time: 9:00

WEATHER	
100	TEMP
Skys	
	CLR
X	PC
	OC
	RAIN
Wind	
X	NONE
	BREEZY
	WINDY
	THNDR

System Inlet

Totalizer (gallons)	5371400
Pressure (psi)	30
Flow (gpm)	49
PH	7.6

Filter (F-2)

Press. Pre-filter (psi)	71.9
Press. Post-filter (psi)	70.3
Flow (gpm)	64

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	32.9
Press. Post-filter (psi)	30.1
Disch Flow (gpm)	65

LGAC

Inlet press (psi)	67
Midbed press (psi)	58
Disc, press (psi)	51

Air Stripper Vapor

sump press.("wc)	16
Disc. press.("wc)	4
Disc. Flow velocicalc(scfm)	680
Temperature (deg F)	-

ION Exchange

Inlet pressure (psi)	15
Midbed press (psi)	11
Flow (gpm)	62

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	8
Gac discharge (ppm)	6.4

Effluent

Sewer Disc.Flow (gpm)	62
Sewer Disc.total (gallons)	3996100
PH	8.3

Radiation Meter

Outside GWTS: 0.1 mR/hr peak
Inside GWTS: 0.01 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	83

Chemical

Gallons	11

Soil Vapor Treatment System

Time: 13:00

System Inlet

Pressure ("wc)	63
Flow velocicalc (scfm)	149
Temperature (deg F)	86.1
Dilution air (yes/no)	No

Blower

Hour Meter	21262.8
Discharge Pressure ("wc)	3.5
Outlet temp (deg F)	115
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: 0.1 mR/hr peak
Inside SVE: 0.1 mR/hr peak

Filter

Press. Pre-filter ("wc)	66
Press. Post-filter ("wc)	62

VGAC Stack

Flow velocicalc (scfm)	144
Temperature (deg F)	200

Health & Safety

X	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	7.0
Gac discharge (ppm)	2.9

ModuRae PID

Gac inlet (ppm)	-5.5
Gac discharge (ppm)	-11.0

Notes

Third quarter sampling event.

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	21.62	18029

Operator: D. Busch
Date: 08/21/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	-
AS Hour Meter	28412.3

Time: 8:45

System Inlet

Totalizer (gallons)	6087700
Pressure (psi)	30
Flow (gpm)	49
PH	7.6

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	31
Press. Post-filter (psi)	28
Disch Flow (gpm)	66

Air Stripper Vapor

sump press.("wc)	15
Disc. press.("wc)	4
Disc. Flow velocicalc(scfm)	585
Temperature (deg F)	-

PID Read

Gac inlet (ppm)	8
Gac discharge (ppm)	5.1

Air Stripper Water

Pump P-3 Disc.Press(psi)	82

Filter (F-2)

Press. Pre-filter (psi)	70.1
Press. Post-filter (psi)	68.7
Flow (gpm)	64

LGAC

Inlet press (psi)	68
Midbed press (psi)	60
Disc, press (psi)	53

ION Exchange

Inlet pressure (psi)	15
Midbed press (psi)	12
Flow (gpm)	61

Effluent

Sewer Disc.Flow (gpm)	62
Sewer Disc.total (gallons)	4727600
PH	8.1

Chemical

Gallons	13

WEATHER	
80	TEMP
Skys	
X	CLR
	PC
	OC
	RAIN
Wind	
	NONE
X	BREEZY
	WINDY
	THNDR

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

Radiation Meter

Outside GWTS: 0.1 mR/hr peak
Inside GWTS: 0.01 mR/hr peak

Soil Vapor Treatment System

Time: 9:00

System Inlet

Pressure ("wc)	61
Flow velocicalc (scfm)	144
Temperature (deg F)	90.4
Dilution air (yes/no)	No

Filter

Press. Pre-filter ("wc)	66
Press. Post-filter ("wc)	63

Hand held MiniRae PID

Gac inlet (ppm)	7.2
Gac discharge (ppm)	3.0

Blower

Hour Meter	21522.3
Discharge Pressure ("wc)	36
Outlet temp (deg F)	117
Flow erdco (scfm)	-

VGAC Stack

Flow velocicalc (scfm)	141
Temperature (deg F)	200

ModuRae PID

Gac inlet (ppm)	-7.0
Gac discharge (ppm)	-11.1

Radiation Meter

Outside SVE: 0.1 mR/hr peak
Inside SVE: 0.01 mR/hr peak

Health & Safety

X	Fire Ext
X	First Aid Kit

Notes

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	21.933	21446

Operator: D. Busch
Date: 8/28/209

Groundwater Treatment System

EW-1 DTW (ft from TOC)	No Access
AS Hour Meter	28583.1

Time: 12:00

WEATHER	
90	TEMP
Skys	
X	CLR
	PC
	OC
	RAIN
Wind	
	NONE
X	BREEZY
	WINDY
	THNDR

System Inlet

Totalizer (gallons)	6553100
Pressure (psi)	29
Flow (gpm)	49
PH	7.7

Filter (F-2)

Press. Pre-filter (psi)	70.2
Press. Post-filter (psi)	68
Flow (gpm)	34

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	31
Press. Post-filter (psi)	27
Disch Flow (gpm)	67

LGAC

Inlet press (psi)	67
Midbed press (psi)	59
Disc, press (psi)	52

Air Stripper Vapor

sump press.("wc)	16
Disc. press.("wc)	4
Disc. Flow velocicalc(scfm)	580
Temperature (deg F)	-

ION Exchange

Inlet pressure (psi)	15
Midbed press (psi)	13
Flow (gpm)	61

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	9
Gac discharge (ppm)	6

Effluent

Sewer Disc.Flow (gpm)	62
Sewer Disc.total (gallons)	5198000
PH	-

Radiation Meter

Outside GWTS: 0.1 mR/hr peak
Inside GWTS: 0.01 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	81

Chemical

Gallons	9

Soil Vapor Treatment System

Time: 11:45

System Inlet

Pressure ("wc)	62
Flow velocicalc (scfm)	145
Temperature (deg F)	88
Dilution air (yes/no)	No

Blower

Hour Meter	21693.7
Discharge Pressure ("wc)	3.5
Outlet temp (deg F)	120
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: 0.1 mR/hr peak
Inside SVE: 0.01 mR/hr peak

Filter

Press. Pre-filter ("wc)	66
Press. Post-filter ("wc)	63

VGAC Stack

Flow velocicalc (scfm)	140
Temperature (deg F)	191

Health & Safety

X	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	9.0
Gac discharge (ppm)	4.5

ModuRae PID

Gac inlet (ppm)	-7.0
Gac discharge (ppm)	-11.2

Notes

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power		

Operator: D. Busch
Date: 09/01/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	No Access
AS Hour Meter	28676.5

Time: 10:00

System Inlet

Totalizer (gallons)	6808900
Pressure (psi)	31
Flow (gpm)	48
PH	7.5

Filter (F-2)

Press. Pre-filter (psi)	70
Press. Post-filter (psi)	69
Flow (gpm)	64

WEATHER

	TEMP
	Skys
	CLR
	PC
	OC
	RAIN
	Wind
	NONE
	BREEZY
	WINDY
	THNDR

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	32.8
Press. Post-filter (psi)	29.7
Disch Flow (gpm)	69

LGAC

Inlet press (psi)	66
Midbed press (psi)	60
Disc, press (psi)	52

Air Stripper Vapor

sump press.("wc)	16.5
Disc. press ("wc)	4
Disc. Flow velocicalc(scfm)	570
Temperature (deg F)	-

ION Exchange

Inlet pressure (psi)	15
Midbed press (psi)	13
Flow (gpm)	61

Health & Safety

	Fire Ext
	First Aid Kit
	Eye Wash

PID Read

Gac inlet (ppm)	9.1
Gac discharge (ppm)	5.5

Effluent

Sewer Disc.Flow (gpm)	58
Sewer Disc.total (gallons)	5460100
PH	

Radiation Meter

Outside GWTS: mR/hr peak
Inside GWTS: mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	81

Chemical

Gallons	17

Soil Vapor Treatment System

Time: 11:20

System Inlet

Pressure ("wc)	62
Flow velocicalc (scfm)	141
Temperature (deg F)	84
Dilution air (yes/no)	No

Blower

Hour Meter	21788.4
Discharge Pressure ("wc)	3.6
Outlet temp (deg F)	117
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: mR/hr peak
Inside SVE: 0.01 mR/hr peak

Filter

Press. Pre-filter ("wc)	66
Press. Post-filter ("wc)	64

VGAC Stack

Flow velocicalc (scfm)	141
Temperature (deg F)	190

Health & Safety

X	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	7.7
Gac discharge (ppm)	3.5

ModuRae PID

Gac inlet (ppm)	-7.0
Gac discharge (ppm)	-12.0

Notes

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	21.767	27121

Operator Roy Foster
Date 09/09/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	55.84
AS Hour Meter	28868.7

Time 9:50

WEATHER	
78	TEMP
Skys	
X	CLR
	PC
	OC
	RAIN
Wind	
X	NONE
	BREEZY
	WINDY
	THNDR

System Inlet

Totalizer (gallons)	7332169
Pressure (psi)	30
Flow (gpm)	48
PH	8.2

Filter (F-2) 70

Press. Pre-filter (psi)	69
Press. Post-filter (psi)	5994300
Flow (gpm)	62

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	42
Press. Post-filter (psi)	40
Disch Flow (gpm)	72

LGAC

Inlet press (psi)	69
Midbed press (psi)	58
Disc, press (psi)	49

Air Stripper Vapor

sump press.("wc)	16
Disc. press.("wc)	2
Disc. Flow velocicalc(scfm)	-
Temperature (deg F)	-

ION Exchange

Inlet pressure (psi)	14
Midbed press (psi)	14
Flow (gpm)	58

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	-
Gac discharge (ppm)	-

Effluent

Sewer Disc.Flow (gpm)	No Access
Sewer Disc.total (gallons)	63
PH	8.2

Radiation Meter

Outside GWTS
0.01 mR/hr peak
Inside GWTS
0.01 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	84

Chemical

Gallons	9

Soil Vapor Treatment System

Time 9:45

System Inlet

Pressure ("wc)	57
Flow velocicalc (scfm)	-
Temperature (deg F)	75
Dilution air (yes/no)	No

Blower

Hour Meter	21979.7
Discharge Pressure ("wc)	8
Outlet temp (deg F)	115
Flow erdco (scfm)	-

Radiation Meter

Outside SVE
0.01 mR/hr peak
Inside SVE
0.01 mR/hr peak

Filter

Press. Pre-filter ("wc)	62
Press. Post-filter ("wc)	66

VGAC Stack

Flow velocicalc (scfm)	-
Temperature (deg F)	115

Health & Safety

X	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	-
Gac discharge (ppm)	-

ModuRae PID

Gac inlet (ppm)	-9.9
Gac discharge (ppm)	-9.7

Notes

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	21.767	29978

Operator: Roy Foster
Date: 09/15/09

Groundwater Treatment System

EW-1 DTW (ft from TOC)	57.98
AS Hour Meter	29012.7

Time: 9:45

WEATHER	
70	TEMP
Skys	
X	CLR
	PC
	OC
	RAIN
Wind	
X	NONE
	BREEZY
	WINDY
	THNDR

System Inlet

Totalizer (gallons)	7724490
Pressure (psi)	32
Flow (gpm)	48
PH	7.6

Filter (F-2)

Press. Pre-filter (psi)	70
Press. Post-filter (psi)	70
Flow (gpm)	62

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	43
Press. Post-filter (psi)	40
Disch Flow (gpm)	72

LGAC

Inlet press (psi)	68
Midbed press (psi)	57
Disc, press (psi)	48

Air Stripper Vapor

sump press.("wc)	17
Disc. press.("wc)	5
Disc. Flow velocicalc(scfm)	680
Temperature (deg F)	-

ION Exchange

Inlet pressure (psi)	15
Midbed press (psi)	15
Flow (gpm)	58

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	12.9
Gac discharge (ppm)	12.7

Effluent

Sewer Disc.Flow (gpm)	58
Sewer Disc.total (gallons)	6396500
PH	8.1

Radiation Meter

Outside GWTS: 0.01 mR/hr peak
Inside GWTS: 0.01 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	84

Chemical

Gallons	3

Soil Vapor Treatment System

Time: 9:35

System Inlet

Pressure ("wc)	56
Flow velocicalc (scfm)	154
Temperature (deg F)	74
Dilution air (yes/no)	No

Blower

Hour Meter	22123.6
Discharge Pressure ("wc)	8
Outlet temp (deg F)	110
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: 0.01 mR/hr peak
Inside SVE: 0.01 mR/hr peak

Filter

Press. Pre-filter ("wc)	71
Press. Post-filter ("wc)	75

VGAC Stack

Flow velocicalc (scfm)	-
Temperature (deg F)	110

Health & Safety

X	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	-
Gac discharge (ppm)	18.4

ModuRae PID

Gac inlet (ppm)	-11.4
Gac discharge (ppm)	-11.4

Notes

Modesto Superfund Site
Treatment System
Process / Monitoring Logs

	kW	kWh
Utility power	21.805	33320

Operator: Roy Foster
Date: 09/22/09

Groundwater Treatment System

EW-1 DTW (ft from TOC):
AS Hour Meter: 29181.7

Time: 10:50

WEATHER	
80	TEMP
Skys	
X	CLR
	PC
	OC
	RAIN
Wind	
X	NONE
	BREEZY
	WINDY
	THNDR

System Inlet

Totalizer (gallons)	8185500
Pressure (psi)	30
Flow (gpm)	48
PH	7.5

Filter (F-2) 68

Press. Pre-filter (psi)	68
Press. Post-filter (psi)	68708
Flow (gpm)	62

Filter (F-1)

Duty (1a / 1b)	50/50
Press. Pre-filter (psi)	42
Press. Post-filter (psi)	40
Disch Flow (gpm)	72

LGAC

Inlet press (psi)	68
Midbed press (psi)	57
Disc, press (psi)	48

Air Stripper Vapor

sump press.("wc)	12
Disc. press.("wc)	4
Disc. Flow velocicalc(scfm)	675
Temperature (deg F)	-

ION Exchange

Inlet pressure (psi)	14
Midbed press (psi)	13
Flow (gpm)	58

Health & Safety

X	Fire Ext
X	First Aid Kit
X	Eye Wash

PID Read

Gac inlet (ppm)	0
Gac discharge (ppm)	0

Effluent

Sewer Disc.Flow (gpm)	58
Sewer Disc.total (gallons)	68708
PH	8

Radiation Meter

Outside GWTS: 0.01 mR/hr peak
Inside GWTS: 0.02 mR/hr peak

Air Stripper Water

Pump P-3 Disc.Press(psi)	84

Chemical

Gallons	8

Soil Vapor Treatment System

Time: 10:37

System Inlet

Pressure ("wc)	55
Flow velocicalc (scfm)	150
Temperature (deg F)	80
Dilution air (yes/no)	No

Blower

Hour Meter	22792.6
Discharge Pressure ("wc)	-
Outlet temp (deg F)	118
Flow erdco (scfm)	-

Radiation Meter

Outside SVE: 0.01 mR/hr peak
Inside SVE: 0.01 mR/hr peak

Filter

Press. Pre-filter ("wc)	60
Press. Post-filter ("wc)	76

VGAC Stack

Flow velocicalc (scfm)	-
Temperature (deg F)	118

Health & Safety

X	Fire Ext
X	First Aid Kit

Hand held MiniRae PID

Gac inlet (ppm)	0.2
Gac discharge (ppm)	0.8

ModuRae PID

Gac inlet (ppm)	-10.0
Gac discharge (ppm)	-9.9

Notes

APPENDIX F

OPERATIONAL HISTORY

APPENDIX F
OPERATIONAL HISTORY

This section presents a summary of routine and non-routine operation and maintenance events performed on the remedial treatment systems 01 July 2001 through 30 September 2009. Table F-1 lists the event, start and end dates and the type of maintenance (Routine, Nonroutine, Reimbursable, or Optimization) that was performed.

Since 01 July 2005, MWH is currently managing a cost-plus-fixed-fee (CPFF) contract that includes funding for routine operation and maintenance of the groundwater and soil vapor extraction systems, as well as reimbursable costs for both systems.

Through 30 September 2009, approximately $739,000 and $292,000 in costs have been accrued on the CPFF contract on the groundwater and soil vapor remedial systems, respectively. In addition to direct field costs, these amounts include a percentage of document generation costs, project management costs, and fee allocated to operation of these remedial systems.

TABLE F-1

OPERATIONAL HISTORY
GROUNDWATER TREATMENT AND SOIL VAPOR EXTRACTION SYSTEM
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

No.	Event	Start Date	End Date	Type of Maintenance
1	Start up of groundwater treatment and soil vapor extraction system	05-Jul-01		Routine
2	Replaced motor starter in 7.5 horsepower transfer pump	07-Jul-01	16-Jul-01	Reimbursable
3	Installed hour meter in SVE system	17-Jul-01	17-Jul-01	Reimbursable
4	Replaced equalization tank float assembly	26-Jul-01	31-Jul-01	Reimbursable
5	Moved vacuum breaker to location after ion exchange vessels	31-Jul-01	31-Jul-01	Reimbursable
6	Repaired faulty pipe joint in SVE system	08-Aug-01	09-Aug-01	Reimbursable
7	Installed duplex bag filters	11-Aug-01	27-Aug-01	Reimbursable
8	Switched 5.0 horsepower and 7.5 horsepower transfer pump	11-Aug-01	27-Aug-01	Reimbursable
9	Replaced ruptured 1/4 inch hose on the liquid GAC vessels	29-Aug-01	30-Aug-01	Reimbursable
10	Programmed duplex bag filters into PLC logic	06-Sep-01	06-Sep-01	Reimbursable
11	Backflushed lead ion exchange vessel	11-Sep-01	11-Sep-01	Routine
12	Carbon change out for SVE vapor GAC	18-Sep-01	27-Sep-01	Routine
13	Bypassed lead ion exchange vessel	20-Sep-01	20-Sep-01	Routine
14	Water chemistry data collected from GWT system	25-Sep-01	25-Sep-01	Reimbursable
15	Repair of PID meter in SVE system	09-Oct-01	26-Oct-01	Reimbursable
16	Cabon change out for GWT vapor GAC	23-Oct-01	23-Oct-01	Routine
17	Replaced anti-scalant with Redux-300	02-Nov-01	02-Nov-01	Routine
18	Installed pulsation damper after filter #2	07-Nov-01	07-Nov-01	Reimbursable
19	Carbon change out for SVE vapor GAC	05-Dec-01	19-Dec-01	Routine
20	Installed polishing ion exchange vessel using virgin resin. Sixty (60) percent of flow through ion exchange and 40 percent bypassed.	13-Dec-01	13-Dec-01	Routine
21	Cabon change out for GWT vapor GAC	19-Dec-01	19-Dec-01	Routine
22	SVE Vapor Carbon Changeout	06-Feb-02	06-Feb-02	Routine
23	Air Stripper Annual Inspection. No abnormal conditions were reported	28-Mar-02	28-Mar-02	Routine
24	Installed air conditioning unit inside SVE treatment system trailer.	04-Jun-02	04-Jun-02	Optimization
25	Optimization of GWT system 1) Switched location of vapor GAC and liquid GAC vessel. 2) Replace filter unit with 10-micron bag filter after air stripper. 3) Insulated vapor GAC vessel. 4) Added two additional phone lines. 5) Addition of floor drains. 6) Installed cooling/air conditioning unit in GWT and SVE control panel.	11-Jun-02	14-Jun-02	Optimization
26	Carbon change out for GWT vapor GAC	14-Jun-02	14-Jun-02	Routine
27	Removed and replaced leaking hoses in GWT system. Bag Filter 2 to GAC-2 manifold and GAC-3 to effluent manifold.	26-Jun-02	26-Jun-02	Reimbursable
29	SVE Vapor Carbon Changeout	17-Jul-02	17-Jul-02	Routine
30	GWT Liquid Carbon Changeouts (Lead and Lag Vessels)	12-Oct-02	12-Oct-02	Routine
31	SVE Vapor Carbon Changeout	13-Dec-02	13-Dec-02	Routine
32	Cabon Changeout for GWT Vapor GAC	23-Apr-03	23-Apr-03	Routine
33	GWT Ion Exchange Changeout	23-Apr-03	23-Apr-03	Routine
34	Replaced P-2 Motor Starter. Fixed EQ Tank Level Indicators	07-May-03	07-May-03	Non Routine
35	Calibrated pH meter and repaired MiniRAE PID	07-Jul-03	07-Jul-03	Non Routine
36	Emptied and cleaned chemical dry tank, and cleaned CMI pump.	17-Jul-03	17-Jul-03	Non Routine
37	SVE Vapor Carbon changeout.	13-Aug-03	13-Aug-03	Routine
38	Exhaust fan not working. Fan was removed and replaced.	04-Sep-03	25-Sep-03	Non Routine
39	Disassembled, inspected and cleaned P-2.	11-Sep-03	11-Sep-03	Non Routine
40	Redeveloped EW-1 and replaced the EW-1 submersible pump	17-Mar-04	06-Apr-04	Non Routine

TABLE F-1

OPERATIONAL HISTORY
GROUNDWATER TREATMENT AND SOIL VAPOR EXTRACTION SYSTEM
MODESTO SUPERFUND SITE
MODESTO, CALIFORNIA

No.	Event	Start Date	End Date	Type of Maintenance
41	Replaced influent and effluent totalizers.	07-Apr-04	07-Apr-04	Non Routine
42	Replaced broken lead GAC vessel camlock fitting	16-May-04	17-May-04	Non Routine
43	Removed lag GAC vessel from service due to leak in vessel	17-May-04	17-May-04	Non Routine
44	GWT Liquid Carbon Changeouts (Lead Vessel)	03-Jun-04	03-Jun-04	Routine
45	GWT Ion Exchange Changeout (Lead Vessel)	18-Jun-04	18-Jun-04	Routine
46	Installed refurbished lag GAC vessel with fresh carbon	08-Oct-04	08-Oct-04	Non Routine
47	GWT system shutdown because of a high current alarm. The system was left off line and not repaired as requested by USACE	04-Nov-04	04-Nov-04	Non Routine
48	Replaced GWT system effluent flow meter (new baseline - 870 gallons), calibrated digital display meter.	09-Jun-05	09-Jun-05	Non Routine
49	Repaired air conditioning unit in SVE trailer	02-Jun-05	28-Jun-05	Non Routine
50	Repaired vent fan unit in GWTS trailer.	21-Jul-05	28-Jul-05	Non Routine
51	SVE System GAC changeout.	03-Nov-05	03-Nov-05	Routine
52	Drill and developed extraction well EW-1R, located adjacent to MW-3. This well replaces failed extraction well EW-1	21-Jun-06	28-Jun-06	Non Routine
53	Start up of groundwater treatment system with replacement well EW-1R	24-Aug-06	24-Aug-06	Non Routine
54	Installed new digital display for effluent flow totalizer on GWTS.	22-Sep-06	22-Sep-06	Non Routine
55	Replaced effluent sample port on the GWTS.	20-Oct-06	20-Oct-06	Non Routine
56	Replaced Filters F1 and F2 on the GWTS.	24-Oct-06	24-Oct-06	Routine
57	Replaced bag filters on GWTS	13-Jan-07	13-Jan-07	Routine
58	Replaced hoses mid-GAC on GWTS	22-Jan-07	22-Jan-07	Non Routine
59	Replaced piping on SVE (post-stack)	12-Mar-07	16-Apr-07	Non Routine
60	Changed ion exchange resin filters on GWTS	25-Jun-07	02-Jul-07	Non Routine
61	Repaired SVE control system	19-Jul-07	31-Jul-07	Non Routine
62	Replaced hour meter	27-Aug-07	27-Aug-07	Non Routine
63	Replaced detective float switch	05-Sep-07	05-Sep-07	Non Routine
64	Replaced Influent bag filters for GWTS	22-Oct-07	22-Oct-07	Routine
65	Pressure sensors cleaned and replaced on GWTS	23-Oct-07	23-Oct-07	Non Routine
66	GWTS Carbon change out (water and vapor phase)	19-Nov-07	19-Nov-07	Routine
67	Replaced filter socks on 3 filter vessels	14-Mar-08	14-Mar-08	Routine
68	Replaced the broken effluent valve	05-Apr-08	07-Apr-08	Non Routine
69	Replaced gasket on GAC vessel #1	16-Aug-08	16-Aug-08	Routine
70	Replaced gasket on GAC vessel #1	21-Aug-08	21-Aug-08	Routine
71	SVE System Carbon change-out	05-Oct-08	5-Oct-08	Routine
72	Replaced filter bags in 3 canisters on the GWTS.	24-Feb-09	24-Feb-09	Routine
73	Replaced air stripper sump pump flow meter on GWTS.	13-Mar-09	13-Mar-09	Non-routine
74	Replace PVC pipe with iron pipe on SVE effluent/blower.	19-Mar-09	19-Mar-09	Non-routine
75	Changed out carbon in the GAC filter vessels (GWTS).	25-Jun-09	26-Jun-09	Routine
76	Replace 2" ball valve at groundwater treatment system.	25-Sep-09	02-Oct-09	Non-routine

Notes:

GAC - Granular Activate Carbon

GWTS - Groundwater Treatment System

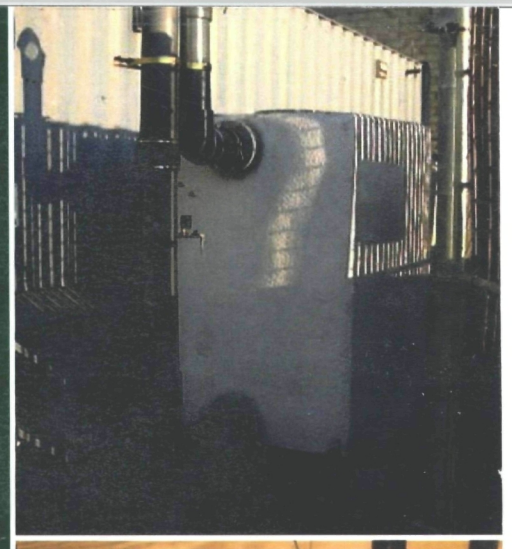
PID - Photoionization Detector

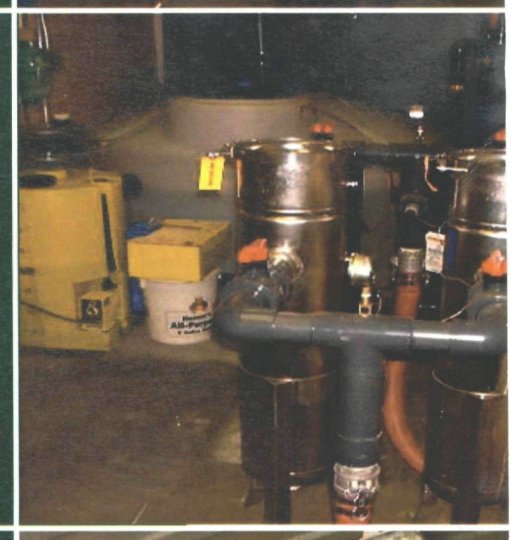
PLC - Programmable Logic Controller

SVE - Soil Vapor Extraction

US Army Corps
of Engineers
Sacramento District

MWH





Contract DACA05-99-D-0012
Task Order CM-10