PHIBRO-TECH, INC.

April 25, 2003

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California RWQCB, L.A. Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Mr. Ron Leach
USEPA, Region IX (H-4-4)
75 Hawthorne Avenue
San Francisco, CA 94105

Dear Mss. Chou and Mr. Leach:

Enclosed is the January 2003 Groundwater Monitoring Report for Phibro-Tech, Inc., Santa Fe Springs' facility. The Report includes analytical results and physical measurements obtained January 8 and 9, 2003 from selected monitoring wells at Phibro-Tech. Since this Report includes portions of the RCRA Facility Investigation (USEPA Docket No. RCRA 09-89-0001), this Report will also be submitted to the EPA.

Based on a technical review by our consultant, Camp Dresser and McKee, a groundwater-monitoring program is included which was implemented beginning with the April 1991 groundwater monitoring. Additional wells and parameters changed at the request of EPA are included in this Groundwater Monitoring Report. The changes are described in the Report.

Please contact me if you have any questions or comments concerning this report.

Sincerely,

Nancy R. Robey

Nancy R. Robey
Director of Registrations

Enclosure

cc: see following page

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grdwtrrptcoverltr

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CDM

4A-12

Phibro-Tech, Inc.

January 2003 Quarterly Groundwater Monitoring Report Santa Fe Springs, California

April 23, 2003

Prepared for:

Phibro-Tech, Inc. (PTI)
8851 Dice Road
Santa Fe Springs, California 90670

Prepared by:

CDM
18581 Teller Avenue, Suite 200
Irvine, California 92612

Project No. 2279-36882.REP.REPT

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The information contained in the January 2003 Quarterly Groundwater Monitoring Report for the Phibro-Tech, Inc. Santa Fe Springs, California, facility has received appropriate technical review and approval. The activities outlined in the report were performed under the supervision of a Registered Geologist or a California Professional Engineer.

Reviewed and Approved by:

Sharon L. Wallin, R.G.
Project Manager

REGISTERED GEOLOGIST
SHARON L. WALLIN
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STATE OF CALIFORNIA

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1 Section One

Section 1
Introduction

This report summarizes the January 2003 quarterly groundwater monitoring and sampling event at the Phibro-Tech, Inc. (PTI), Santa Fe Springs, California facility (formerly referred to as Southern California Chemical). This report presents the first quarter groundwater monitoring results for 2003. Contained herein are the results of laboratory analyses of groundwater samples and water level measurements obtained on December 30, 2002 and January 8 and 9, 2003.

The purpose of this monitoring program, which began in March 1985, is to determine if compounds of concern detected in groundwater beneath the site are migrating from the facility. This objective is accomplished through the comparison of background or up gradient water quality and groundwater quality beneath the site. Statistically significant increases in contaminant concentrations between known areas of groundwater contamination and down gradient wells would indicate that migration is occurring. In the past, statistical analysis was performed annually and was included in the July quarterly monitoring reports. Statistical analysis is now conducted for each sampling event and is included in the corresponding monitoring report.

To date, three types of contaminants have generally been detected in the groundwater beneath the site: soluble metals (primarily chromium and cadmium), purgeable aromatic organic compounds (toluene, ethylbenzene and total xylenes [BTEX]) and purgeable halogenated organic compounds (i.e., solvents, primarily trichloroethene [TCE]). Groundwater modeling completed in January 1993, and groundwater monitoring conducted since 1985, indicates that the purgeable aromatic plume originated up gradient from the PTI facility. The distribution of TCE appears to be ubiquitous, although somewhat elevated concentrations exist in the vicinity of Pond 1, a RCRA-regulated former surface impoundment area. Elevated concentrations of soluble metals have also been consistently detected in the vicinity of Pond 1. Soluble metal concentrations at the down gradient property line and in deeper wells, however, continue to be near or below detection.

Approximately 17 years of quarterly groundwater monitoring at the PTI facility has indicated that dissolved hexavalent chromium is not migrating. During groundwater modeling performed by CDM in 1993, a retardation factor of 50 was selected based on the observed distribution of hexavalent chromium in the groundwater. Previous data analysis indicated that the most likely basis for the relatively high (but within the range of reasonable and appropriate values) retardation factor would be the existence of reducing conditions in the saturated zone, promoting the chemical reduction of hexavalent chromium to trivalent chromium (Cr 3+). Trivalent chromium, having a very low solubility in water, tends to precipitate and sorb to the soil, inhibiting migration. During four quarterly sampling events conducted in 1996, additional laboratory analyses (iron and redox potential) were performed on groundwater samples collected from wells MW-04, MW-09, and MW-14S. These additional data, along with the pH, total chromium, and hexavalent chromium data, provided a better

understanding of the mechanisms controlling chromium migration in groundwater underlying the facility and supported the above hypothesis. Please refer to Section 6.4 (Chromium Fate and Transport) of the October 1996 Quarterly Sampling Report for a detailed discussion of this conclusion.

In addition to the data obtained during the January 2003 sampling, this report contains tables listing detection limits of the parameters analyzed (Appendix A). Historical sampling results for selected analyses from January 1989 to April 2001 are presented in Appendix B. Copies of the original laboratory results for the January 2003 sampling event are included in Appendix C, and chain-of-custody records are included in Appendix D. Appendix E contains background groundwater concentrations of contaminants for the Santa Fe Springs area for the year 2001. Appendix F contains the complete quarterly statistical analysis.

Prior to October 1993, quarterly reports have included analytical result summary tables from all previous sampling rounds. Starting with the October 1993 quarterly report, historical water quality data tables were no longer included in the report as an appendix. Please refer to Appendix B in the July 1993 Quarterly Sampling Report for a summary of historical groundwater analytical data. As previously discussed, a summary table of selected historical results since January 1989 is provided in Appendix B of this report.

2 Section Two

Section 2
Monitoring Well Sampling

CDM personnel conducted groundwater sampling of existing on-site monitoring wells on December 30, 2002 and January 8 and 9, 2003. Field activities were performed in general accordance with the groundwater sampling protocols as outlined in Section 4.3.3 of the approved RCRA Facility Investigation (RFI) Work Plan (CDM, June 1990). Prior to the submittal of the RFI Work Plan for regulatory agency review and approval, the J.H. Kleinfelder and Associates (Kleinfelder) Quality Assurance Project Plan (QAPP, May 1988) was used as the primary groundwater sampling guidance document. Proposed deviations from the RFI Work Plan (i.e., well purging using a submersible pump and sample collection using disposable bailers) were discussed in October 1994 correspondence to the DTSC. These changes were implemented during the October 1994 and all subsequent sampling events.

Twenty-four monitoring wells exist on-site. The locations of these wells are shown on Figure 2-1. One well, MW-06A, historically has not been sampled for groundwater analysis because it is screened in the Gage Aquifer, which is unsaturated below the PTI facility. The remaining wells are screened in the Hollydale Aquifer; 16 in the upper portion and 7 in the lower portion of the aquifer.

Beginning in February 1985, Kleinfelder initiated groundwater sampling, utilizing monitoring wells MW-01 through MW-06B. Six additional wells (MW-04A and MW-07 through MW-11) were installed at the site in July 1985, thereby increasing the total number of active wells to 12. Quarterly sampling of the 12 wells was initiated in March 1986.

Commencing with the January 1989 sampling event, CDM has been responsible for all groundwater-monitoring activities at the facility. Ten wells (MW-01D, MW-06D, MW-12S, MW-12D, MW-13S, MW-13D, MW-14S, MW-14D, MW-15S and MW-15D) were installed as part of the first phase of the RFI program and were first sampled during the October 1990 sampling round.

Groundwater analysis of the 22 wells that existed during the RFI program from October 1990 to January 1991, indicated that the number of wells sampled could be reduced and yield comparable results to sampling all the wells. During sampling rounds in April, July, and October 1991, and in January 1992, 11 wells were sampled. Wells screened in the upper portion of the Hollydale Aquifer included MW-01S, MW-03, MW-04, MW-07, MW-09, MW-11, MW-14S, and MW-15S, and wells screened in the lower portion of the Hollydale Aquifer included MW-01D, MW-04A, and MW-15D.

Beginning with the April 1992 sampling round, three additional wells (MW-06B, MW-06D, and MW-16) were included in the quarterly monitoring program, bringing the total number of sampled wells to 14. Well MW-16, constructed in March 1992 as part of the Phase II RFI program, was sampled for the first time during the April 1992

sampling round. The same 14 wells have been sampled during all subsequent sampling rounds. On several occasions, additional laboratory analyses have been performed and additional wells included in quarterly sampling, at the request of the U.S. EPA. Additional analyses and wells are noted in the comment column of Table 2-1, which summarizes the groundwater-monitoring program at the site.

In April 2000, the frequency of groundwater monitoring was reduced from quarterly to semi-annually. In April 2001, as requested by the California Department of Toxic Substances Control (DTSC), quarterly sampling was re-implemented.

The 14 wells currently included in quarterly sampling are MW-01S, MW-01D, MW-03, MW-04, MW-04A, MW-06B, MW-06D, MW-07, MW-09, MW-11, MW-14S, MW-15S, MW-15D, and MW-16. Ten shallow and four deep wells are analyzed for pH, metals (cadmium [Cd], chromium [Cr], and copper [Cu]) using EPA Method 6010A; hexavalent chromium (EPA Method 7199), and volatile organic compounds (EPA Method 8260). During the July 2001 and October 2001 sampling events, DTSC requested that samples from wells MW-01S, MW-04, MW-09 and MW-11 be analyzed for 1,4-Dioxane. In late 2002, DTSC requested that PTI conduct limited annual analyses for the Appendix IX suite of parameters. The four wells designated for Pond 1 monitoring (CDM, March 1996) (MW-04, MW-07, MW-11, and MW-14S) were selected for Appendix 1X sampling and analysis. Because the fourth quarter 2002 sampling had already been completed, CDM collected groundwater samples for Appendix IX analyses on December 30, 2002. Appendix IX results were discussed in Appendix G of the Annual Groundwater Monitoring Report for 2003 (CDM, February 28, 2003). Sampling for first quarter 2003 was conducted at the same time at the four well locations. The rest of the wells were sampled on January 8 and 9, 2003. A detailed listing of analytical parameters per sampling event is provided in Table 2-1.

The 14 on site wells were purged and sampled in the following order: MW-14S, MW-07, MW-04, MW-11 (on December 30, 2002), and MW-01D, MW-01S, MW-03, MW-15D, MW-15S, MW-06D, MW-06B, MW-04A, MW-16, and MW-09 (on January 8 and 9, 2003).

2.1 Sampling Procedure

Field sampling was conducted in general accordance with procedures detailed in the RFI Work Plan. Sampling practices included the following: check for floating product and hydrocarbon vapors at each well; measure static water level and total depth of each well in order to calculate pre-sampling evacuation volumes; purge each well and collect a groundwater sample for laboratory analysis; decontaminate sampling equipment; and handle sample-filled containers in accordance with Section 4.3.3.5 of the RFI Work Plan.

2.1.1 Organic Vapor Check

Standard field procedures included checking the interior of each well with a photoionization detector (PID) (equipped with a 10.0 eV lamp) for the presence of organic vapors whenever the well casing was opened. With the sampling team members standing upwind of the well, the well cap was opened slightly, allowing for the insertion of the PID probe tip inside the well. Readings were monitored until they stabilized, which was usually at zero parts per million (ppm). The final reading, as well as the peak reading, were recorded in the field logbook. The cap was then removed and the well allowed to vent for a short period of time prior to measuring the static water level. The maximum PID readings taken during the collection of water level measurements are shown in Table 5-1 in Section 5.

2.1.2 Detection of Immiscible Layers

In order to detect the presence of floating, immiscible layers on top of the groundwater surface, a clear bailer was lowered approximately one-half the length of the bailer below the surface of the water in each well. The bailer was removed from the well and its contents checked for immiscible layers or iridescence. The bailer was decontaminated and the sampling line discarded after each use. If immiscible fluids had been detected, a sample would have been collected for laboratory analysis of purgeable halocarbons and aromatics (EPA Method 8260) and total petroleum hydrocarbons (California Department of Health Services [CA DHS] Method) using a new bailer. As in all previous quarterly groundwater sampling at the PTI facility by CDM, immiscible layers were not detected during the January 2003 sampling event.

2.1.3 Static Water Level/Well Depth Measurement

On January 8, 2003, prior to the initiation of on-site well pumping, the static water level at 23 of the 24 on-site wells was measured three times at each well location with a decontaminated electric water level indicator (sounder) and recorded. The measurements collected in the wells were identical, therefore, there was no need to collect additional measurements or average the data of these wells. The results of these measurements are shown in Table 5-1 and discussed in Section 5. One well (MW-06A) was dry, and MW-02 was not measured due to its proximity to MW-12S.

The water level in each well was also measured immediately prior to initiating well evacuation procedures for calculation of well purge volume. During measurement, the measuring (reference) point used was noted (i.e., the top of the steel casing), and the depth to water below the reference point was measured to the nearest 0.01 foot and recorded in the field logbook. Wellhead elevation data was used with depth to water measurements to calculate groundwater elevation at each well location.

The total depth of each well sampled was also measured with the sounder to the nearest 0.1 foot. The amount of fill material in the bottom of the well was calculated from well construction data and noted in the logbook. Prior to first use, the sounder was calibrated and the meter response checked. The sounder probe and line were decontaminated after each use.

2.1.4 Purge Volume Determination/Well Evacuation

Saturated casing volume was calculated at each well by using the depth to water and bottom sounding measurements obtained immediately prior to purging, to calculate the amount (height) of the saturated well casing. The inside diameter of the casing was then measured, and the following formula applied:

$$\text{Volume} = \pi\ (\text{radius}^2) \times \text{height}$$

A minimum of three saturated casing volumes of water was evacuated from each well prior to collecting a groundwater sample for laboratory analysis.

During the January 2003 sampling round, all 14 of the wells currently monitored were purged using a portable Grundfos 2-inch diameter submersible pump, and each well was sampled using a new disposable bailer.

Field parameters were measured during well evacuation using Myron-L multimeter and Hach turbidity meter for all wells. These instruments were calibrated or field checked prior to use with standard solutions in accordance with manufacturer's directions. The instruments are used to determine the stability of discharge water field parameters prior to collection of a sample for laboratory analysis.

Periodically during well evacuation, the field parameters of the discharge water were measured and recorded in the logbook. The physical appearance of the water (turbidity, color, sediment content, etc.) was also noted and recorded. Initial field turbidity measurements generally ranged from 2 to greater than 1,000 NTUs (nephelometric turbidity units) at the start of well evacuation. At the end of well evacuation, measurements were generally less than 10 NTUs. Higher turbidity at the start of purging seems to be related to agitating the water column and resuspending material from the bottom of the well during pump installation. After a minimum of three saturated casing volumes of water were evacuated from each well and the field parameters stabilized (change between readings of less than 5 to 10 percent), a sample for laboratory analysis was collected.

All purge water collected from each well was contained in a 250-gallon truck-mounted portable tank and then discharged directly into the PTI facility's wastewater treatment system.

2.1.5 Sample Collection and Handling

Groundwater samples were collected with a new disposable bailer from the approximate middle of the perforated section, and poured directly into previously labeled sample bottles. During sample collection, the bailer was carefully and gently lowered past the air/water interface to minimize agitation and aeration of water during sample collection. The sample bottles were placed inside plastic zip-lock bags and then placed immediately into an ice-cooled chest. Prior to shipment, the bottles were cushioned with bubble wrap or plastic bags to avoid breakage. Samples collected for total metals analysis were field filtered using a 0.45-micron filter. A

volume of groundwater equal to two times the capacity of the filtering device was passed through the filter and discarded prior to filtering each sample for total dissolved metals (Cd, Cu, and Cr) analysis. Filters were discarded after each use.

The January 2003 groundwater samples were collected for laboratory analysis of the following parameters:

- Volatile Organic Compounds by EPA method 8260
- Metals (Cd, Cu, and Cr) EPA method 6010
- Hexavalent Chromium (Cr^{+6}) EPA method 7199
- pH

Groundwater sample bottles were numbered using the following format:

PTI-MW01S-056

Where:

PTI	-	designates site acronym
MW01S	-	designates sample location number (MW = Monitoring Well)
EB	-	designates equipment blank sample
TB	-	designates travel blank sample
055	-	designates sequential sample number (per sampling event)

This was the 55th round of sampling conducted by CDM, however, due to a previous labeling inconsistency, a 056 sequence number was assigned to all groundwater samples collected during this round. Sample label information included date and time of sampling, CDM sample number, and analytical parameters.

Chain-of-custody forms that indicated the label information as well as the responsible person during each step of the transportation process accompanied all filled sample containers that were collected from each well. All samples collected during this sampling event were sent by courier to Del Mar Analytical in Irvine, California on the day that they were collected, and a copy of the chain-of-custody form for that day was retained by CDM field personnel. Copies of completed chain-of-custody forms are included in Appendix C. The laboratory was notified at the time of delivery that one or more hexavalent chromium (Cr^{+6}) sample(s) were contained in the shipment to ensure that the samples would be analyzed within the prescribed 24-hour holding period.

2.2 Equipment Decontamination Procedures

The following sections describe the procedures utilized to decontaminate groundwater-sampling equipment.

2.2.1 Sampling Pump/Lines Decontamination

The submersible pump and discharge tubing used for well purging were decontaminated to reduce the possibility of cross-contamination between monitoring wells. The first step in the decontamination procedure was to submerge the pump into a 4-foot section of 4-inch diameter PVC pipe containing a soap (Alconox, a laboratory-grade detergent) and water mixture. Then, at least five gallons of the solution were pumped through the system. The pump assembly was then submerged in another section of PVC pipe filled with tap water and at least 10 gallons were pumped through the system. The final decontamination step was accomplished by submerging the pump into another section of PVC pipe containing deionized (DI) water and pumping approximately five gallons of DI water through the system.

The exterior of the pump and discharge tubing was steam cleaned, as well as the exterior of the reel holding the tubing. The decontamination of the exterior pump line was performed over a stainless steel containment basin located on the groundwater-sampling rig. The spent water was recovered and discharged into the facility's wastewater treatment system.

2.2.2 Accessory Sampling Equipment Decontamination

Accessory sampling equipment such as the water level sounder was also decontaminated to minimize the possibility of cross-contamination between the monitoring wells. The sounder was decontaminated first by washing in a bucket of soap and water, followed by a tap water rinse, followed by a final DI water rinse. Bailers used to test for an immiscible layer were decontaminated and reused. The bailers and nylon rope that were used to sample wells were discarded immediately after use.

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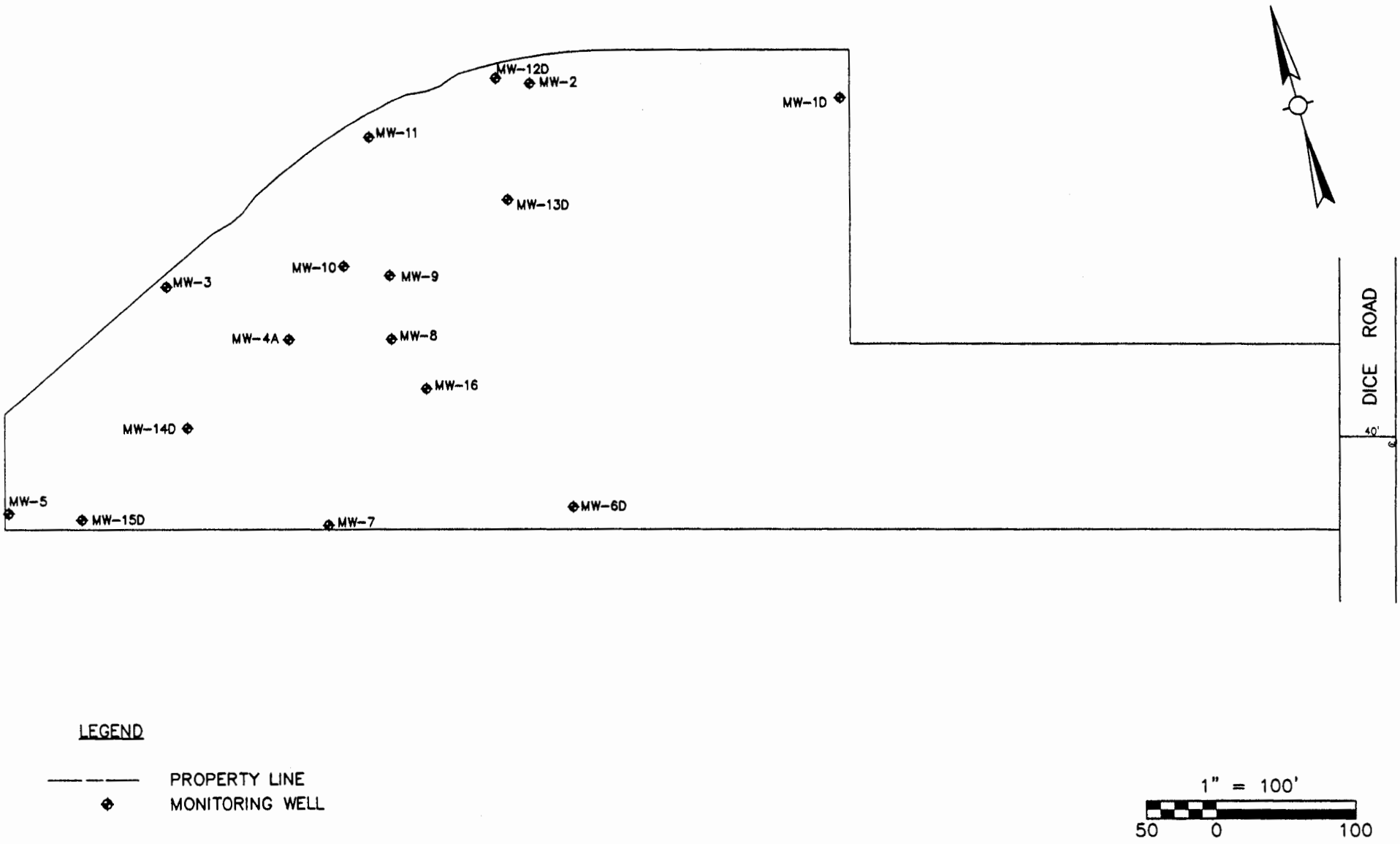

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Monitoring Well Location Map

CDM

Figure 2-1

Table 2-1
PHIBRO-TECH, INC.
Groundwater Monitoring Program Summary

Sampling Event	Indicator Parameters	Trace Metals	Hexavalent Chromium	Chloride	Nitrate	Volatile Organics	Appendix IX	1,4-Dioxane	Comments
3/85	Quad	Cu & Zn	X	X	X	--	--	--	Sampled wells MW-1, 2, 3, 4, 5, & 6B. Sulfide, nickel, copper and zinc requested by DOHS and RWQCB. Also Appendix III parameters and water quality parameters (see footnote).
7/85	Quad	Cd, Cr	X	--	X	--	--	--	Sampled wells MW-4A, 7, 8, 10 and 11
3/86	Quad	Cu & Zn	X	X	X	--	--	--	Sampled 12 wells (MW1, 2, 3, 4, 4A, 5, 6B, 7, 8, 9, 10 & 11). Also Appendix III parameters and water quality parameters (see footnote).
7/86, 9/86, 12/86	Quad	Cd, Cr, Cu, Zn	X	X	X	624	--	--	Sampled all 12 wells (as previous)
3/87	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	Sampled 11 wells, not 4A
7/87, 10/87, 2/88	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	After July 1987, all 12 wells were sampled during each event
6/88	X (not Quad)	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	Performed statistical analysis (t-test) on Indicator Parameters (IPs).
9/88	--	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	IPs & volatile organics from MW1, 2, 4A, 5, 6, 7 analyzed semi-annually in June/Dec.
1/89	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	After Jan. 1989, volatile organics analyzed for all 12 wells.
4/89	--	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	
7/89	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	Performed statistical analysis of Jan. thru July 1989 data (IPs, total and hexavalent chromium).
10/89	--	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	
1/90	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	
4/90	--	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	
7/90	Quad	Cd, Cr, Cu, Zn	X	X	X	601/602	--	--	Performed statistical analysis of Jan. 1989 data (IPs, total and hexavalent chromium).
10/90	--	Cd, Cr, Cu, Fe, Ni, Pb, Zn	X	X	X	601/602	X	--	Sampled 22 wells, Appendix IX parameters analyses were performed on wells 4, 4A, 6B, 6D, 12S, 12D, 15S, 15D, plus a duplicate of 4.
1/91	Quad	Cd, Cr, Cu, Fe, Ni, Pb, Zn	X	X	X	601/602	--	--	Sampled 22 wells.

TABLE 2-1
PHIBRO-TECH, INC.
Groundwater Monitoring Program Summary
(continued)

Sampling Event	Indicator Parameters	Trace Metals	Hexavalent Chromium	Chloride	Nitrate	Volatile Organics	Appendix IX	1,4-Dioxane	Comments
4/91	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	New sampling program was initiated. Sampled 11 wells including wells MW-01S, MW-01D, -03, -04, -04A, -07, -09, -11, -14S, -15S, -15D.
7/91	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	Performed annual statistical analysis.
10/91	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	
1/92	pH only (all) TOC only (MW-01 & -04)	Cd, Cr, Cu	X	--	Ammonia as nitrogen (MW-01 & -04)	601/602	--	--	Ammonia & TOC analyses added at MW-01S and MW-04.
4/92	pH only TOC only (MW-01 , -04, -09, -14S)	Cd, Cr, Cu- all see comments	X	--	Ammonia as nitrogen (MW-01, -04, -09, -14S)	601/602	EDB (MW-04) TPH (W-16)	--	Sampled 14 wells including Wells MW-01S, -01D, -03, -04, -04A, -06B, -06D, -07, -09, -11, -14S, -15S, -15D, -16. Additional analysis as part of Phase II RFI; unfiltered metals on MW-04S and -14S. Pb and Ni on wells 1, 4, 14S, 15S, 16; Fe, Zn on well 16.
7/92	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	Sampled 14 wells. Performed annual statistical analysis.
10/92	pH	Cd, Cr, Cu	X	--	--	601/602	--	--	Sampled 14 wells.
1/93, 4/93	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells.
7/93	pH	Cd, Cr, Cu	X	--	--	8010/8020 (TVPH, TEPH)	--	--	Sampled 15 wells. (MW-13S was added) TVPH and TEPH analysis on MW-09, 13S, and 16 only. Performed annual statistical analysis.
10/93	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 15 wells (MW-13S not analyzed for metals and pH) TVPH & TEPH analysis on MW-04, 07, 09, 13S, and 16 only. Performed statistical analysis.
1/94, 4/94	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells Performed statistical analysis.
7/94	pH	Cd, Cr, Cu	X	See comment	--	8010/8020	--	--	Sampled 14 wells, chloride and sulfate analyses on MW-04, MW-09, MW-14S, MW-15S, MW-15D, and MW-16. Performed statistical analysis
10/94, 1/95, 4/95, 7/95,	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells Performed statistical analysis.

TABLE 2-1
PHIBRO-TECH, INC.
Groundwater Monitoring Program Summary
(continued)

Sampling Event	Indicator Parameters	Trace Metals	Hexavalent Chromium	Chloride	Nitrate	Volatile Organics	Appendix IX	1,4-Dioxane	Comments
10/95									
1/96	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells Performed statistical analysis. 1995 Annual Report included as Appendix F.
4/96, 7/96	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells Performed statistical analysis.
10/96	pH	Cd, Cr, Cu	X	--	--	8010/ 8020	--	--	Sampled 14 wells Performed statistical analysis. 1996 Annual Report included as Appendix F.
1/97	pH	Cd, Cr, Cu	X	--	--	8260, MTBE	--	--	Sampled 14 wells Performed statistical analysis.
4/97, 7/97	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis.
10/97	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis. 1997 Annual Report included as Appendix F.
1/98	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis. Hexavalent Chromium by Method 7196 in all wells; and by Method 218.6 in wells MW-4A, MW-14S, MW-15S, and MW-15D.
4/98, 7/98	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis.
10/98	pH	Cd, Cr, Cu	X	--	--	8260	--	--	Sampled 14 wells Performed statistical analysis. 1998 Annual Report included as Appendix F.

TABLE 2-1
PHIBRO-TECH, INC.
Groundwater Monitoring Program Summary
(continued)

Sampling Event	Indicator Parameters	Trace Metals	Hexavalent Chromium	Chloride	Nitrate	Volatile Organics	Appendix IX	1,4-Dioxane	Comments
1/99, 4/99, 7/99, 10/99, 01/00, 04/00, 10/00, 04/01	pH	Cd,Cr,Cu	X*	–	–	8260	_	–	Sampled 14 wells Performed statistical analysis. Monitoring and reporting frequency changed from quarterly to semi-annually in April 2000. Monitoring and reporting frequency changed back from semi-annually to quarterly in April 2001.
07/01, 10/01	pH	Cd,Cr,Cu	X*	–	–	8260	_	MW-015 MW-04 MW-09 MW-11 MW-06D MW-15D	Sampled 14 wells Performed statistical analysis. 2001 Annual Report included as Appendix G (10/01) 1,4-Dioxane sampled in selected wells (MW-01S, MW-04, MW-04A, MW-06D, MW-11, and MW-15D) during 07/01 and 10/01.
1/02, 4/02, 7/02	pH	Cd,Cr, Cu	X	-	-	8260B	-	-	Sampled 14 wells Performed statistical analysis.
10/02	pH	Title 22 Metals	X	-	-	8260B	X	-	Sampled 14 wells Performed statistical analysis. Annual Report included results for Appendix IX analyses performed on samples from wells MW-04, MW-07, MW-11, and MW-14S.
1/03	pH	Cd,Cr, Cu	X	-	-	8260B	-	-	Sampled 14 wells Performed statistical analysis.

Appendix III Parameters - As, Ba, Cd, Cr, F, Pb, Hg, N, Se, Ag, Endrin, Lindane, Methoxychlor, Toxaphene, 2,4-D, 2,4,5-TP (Silvex), Radium, Gross Alpha & Beta, Turbidity, coliform bacteria.
Water Quality Parameters - Cl, Fe, Mn, Phenols, Na, SO4
Indicator Parameters (IP) - TOX, TOC, pH, EC (quadruplicate)
624 - Volatile organics analysis
601/602 - Purgeable halocarbons/aromatics analysis
8010/8020 - Purgeable halocarbons/aromatic analysis
8260 - Purgeable halocarbons/aromatic analysis
MTBE - Methyl tertiary butyl ether
Appendix IX Parameters - See Appendix F in the October 1990 Quarterly Sampling Report for a complete listing of parameters.
* - Analytical method changed from EPA 7196 to 7199 beginning with the October 2000 Sampling Event

3

Section Three

Section 3
Laboratory Testing

As previously discussed, Del Mar Analytical provided analysis of the 23 aqueous samples collected during the January 2003 monitoring event. Fourteen monitoring well samples, two blind duplicate samples from MW-04 and MW-09, and one DI sample were collected and submitted to STL for analysis of purgeable halocarbons/aromatics (EPA Method 8260). In addition, three equipment blank samples (EB) were submitted for analysis. Three travel blanks (TB) were also submitted each day to STL for analysis of purgeable halogenated/aromatic organics.

January 2003 groundwater analytical results are discussed in Section 6 and summarized in Tables 6-1 and 6-2. Quality assurance analytical results (duplicates, equipment blanks, and travel blanks) are discussed in Section 4.0 and summarized in Table 4-1. Individual analytical reports for January 2003 are contained in Appendix C.

4 Section Four

Section 4
Quality Assurance

To verify the accuracy and validity of analytical data, certain quality assurance procedures were implemented. The field and laboratory quality assurance results were checked for deviations from the Quality Assurance (QA) guidelines discussed in the RFI Work Plan.

4.1 Field Quality Assurance

The field QA procedures included the use of duplicate samples, equipment blanks, travel blanks, and the use of chain-of-custody forms. The results of the QA analyses have been compiled in Table 4-1. Detection limits of parameters analyzed are shown in the analytical reports contained in Appendix C. Relative Percent Difference (RPD) between original and duplicate samples is also listed in Table 4-1.

4.1.1 Duplicate Samples

Standard accepted practice is to submit one duplicate sample for analysis for approximately every tenth sample collected; a ratio of 1 to 10. During this round of sampling, duplicate samples were collected from monitoring wells MW-04 and MW-09. The duplicate samples were submitted to the analytical laboratory as blind samples, and were designated MW-37 and MW-39, respectively, on the chain of custody forms. Monitoring wells MW-04 and MW-09 were selected due to elevated concentrations of certain contaminants detected during previous sampling rounds. Analytical results for the duplicate samples for January 2003 are shown in Table 4-1.

Relative percent differences between samples and duplicates collected from wells MW-09 and MW-04 is less than 20 percent for all parameters (Table 4-1).

4.1.2 Equipment Blanks

Three equipment blank samples were taken during this sampling event. Equipment blanks taken on December 30, 2002 and January 8, 2003 were obtained by allowing deionized water to run off the decontaminated submersible pump that was used to pump the groundwater samples for the entire sampling event, after sampling wells MW-11 and MW-03, respectively. The purpose of these two equipment blanks was to assure that the pump was being sufficiently decontaminated between wells. The equipment blank taken on January 9 was obtained by allowing the deionized water to run through a new, precleaned, disposable bailer after sampling well MW-16. The purpose of this equipment blank was to evaluate and ensure the effectiveness of factory cleaning of the disposable bailer. The samples were collected in the appropriate containers and submitted for laboratory analysis of volatile organic compounds (EPA Method 8260), cadmium, chromium (total and hexavalent), copper, and pH. The laboratory provided water used for the collection of the equipment blanks.

Analytical results for the equipment blanks collected are shown in Table 4-1. With the exception of a J-flagged concentration for methylene chloride in the first equipment blank, analytical results did not indicate any compound above method detection limits in the equipment blanks.

4.1.3 Travel Blanks

The detection of compounds in travel blanks is generally indicative of systematic contamination from sample transport, laboratory glassware cleaning, laboratory storage, or analytical procedures. During the January 2003 sampling event, one laboratory-prepared travel blank (TB01) consisting of organic-free water was labeled and submitted to the laboratory for volatile organic compound analysis by EPA Method 8260. The travel blank was placed inside the cooler containing samples for volatile organic compounds.

Table 4-1 shows the results of the travel blank analyses. No compounds were detected above the method reporting limits.

4.1.4 Sample Control

All sample containers were labeled immediately prior to sampling with the sample identification information completed with a waterproof pen. Samples were transported under chain-of-custody and hand delivered by courier to the laboratory in ice-cooled chests. Copies of the chain-of-custody records are included in Appendix C.

4.2 Laboratory Quality Assurance

Internal laboratory QA/QC results were provided with each sample analytical report. Matrix spike, matrix spike duplicate, method blank, and duplicate control sample results are noted in the QA/QC reports. In addition, surrogate recoveries are also noted for volatile organics analyses.

All laboratory QA/QC results were within acceptable limits for this sampling event. The laboratory control sample results were also within acceptable limits.

Table 4-1
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2003
Field Quality Control Sample Analytical Summary

Well ID	Sample Date	Sample Type	Metals (mg/L)				VOCs (ug/L)											
			Cadmium	Chromium	Cr+6	Copper	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	PCE	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CFM	cis-1,2-DCE	MCL
MW-04	12/30/2002		0.26	9.2	11	0.02 RL-3	3.8	0.37 J	51	81	1.9 J	85	45	110	67	8.1	130 E	30
		K	0.25	9.4	9.4	0.02 RL-3	3.8 J	0.4 J	49	78	2.1 J	99	48	120	64	9.7	140	36
		RPD	3.9 %	2.2 %	15.7 %		0 %	7.8 %	4 %	3.8 %	10 %	15.2 %	6.5 %	8.7 %	4.6 %	18 %	7.4 %	18.1 %
MW-09	01/09/2003		0.005 U	9.6	9.5	0.01 U	2.5 U	5 U	5 U	10 U	9.6	390	100	290	100	150	12	160
		K	0.005 U	9.7	9.5	0.01 U	2.5 U	5 U	5 U	10 U	9	390	100	290	110	150	11	170
		RPD		1 %	0 %						6.5 %	0 %	0 %	0 %	9.5 %	0 %	8.7 %	6.1 %
DI	01/09/2003	N	0.005 U	0.005 U	0.001 U	0.01 U	0.5 U	1 U	1 U		1 U	1 U	1 U	1 U	0.5 U	6.4	1 U	5 U
EB	12/30/2002	N	0.005 U	0.005 U	0.001 U	0.01 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.86 J
	01/08/2003	N	0.005 U	0.005 U	0.001 U	0.01 U	0.5 U	1 U	1 U		1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	5 U
	01/09/2003	N	0.005 U	0.005 U	0.001 U	0.01 U	0.5 U	1 U	1 U		1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	5 U
TB	01/09/2003	TB					0.5 U	1 U	1 U		1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	5 U

Notes:

PCE = Tetrachloroethene; TCE = Trichloroethene; DCE = Dichloroethene; DCA = Dichloroethane; CFM = Chloroform; MCL = Methylene chloride.

E = Indicates that the reported concentration is above the calibration range for the instrument. Concentration reported is an estimate only.
J = Indicates detected concentration is below analytical calibration curve, and is below the official reporting limit. Concentration reported is an estimate only.
RL-3 = Reporting Limit elevated due to interference from other analytes.
U = Not detected at a concentration greater than the reporting limit shown.
Sample Type:
K = Duplicate (split) Sample
TB = Trip Blank
N = Equipment Decontamination Blank
RPD = Relative Percent Difference between original and duplicate samples (%)

5

Section Five

Section 5
Groundwater Elevation

On January 8, 2003, prior to the initiation of well evacuation procedures, the depth to groundwater was measured in 23 of the 24 on-site monitoring wells. Groundwater elevations were calculated by subtracting the depth to static water level from the surveyed elevation of the corresponding monitoring well.

All of the monitoring well casing elevations were surveyed during the RFI and three wells (MW-04, MW-09, and MW-10) were resurveyed in January 1996 following wellhead repair. In July 1998, wellhead repairs were performed on wells MW-03, MW-06A, MW-06B, MW-06D, MW-08, MW-11, MW-12S, MW-12D, MW-13S, MW-13D, and MW-16. These wells were resurveyed during the July 1998 monitoring event. During the April 2000 monitoring event, two additional wellheads were repaired (MW-14S and MW-14D). Wells MW-14S and MW-14D were resurveyed during September 2001.

During the current sampling event, water level measurements were taken at shallow wells MW-01S, MW-03, MW-04, MW-05, MW-06B, MW-07, MW-08, MW-09, MW-10, MW-11, MW-12S, MW-13S, MW-14S, MW-15S, and MW-16. Water level measurements were also taken at deep wells MW-01D, MW-04A, MW-06D, MW-12D, MW-13D, MW-14D, and MW-15D. These wells were measured to evaluate the direction and gradient of groundwater flow underlying the facility and to help characterize the shallow and deep aquifer interaction. Well MW-02 was not measured due to its proximity to MW-12S. Well MW-06A was measured and found to be dry.

Table 5-1 lists the depths to water and groundwater elevations for each well sampled. Figure 5-1 shows the approximate groundwater surface elevation of the upper Hollydale Aquifer for wells screened in the shallow interval (45 to 77 feet below ground surface) using data collected during the present sampling round. The contours shown in Figures 5-1 and 5-2 were generated by D.C.A., a surface contouring software developed by Softdisk, which is commonly used in conjunction with CADD (Computer Aided Drafting and Design) to produce contour maps and other graphics.

The direction of groundwater flow in the shallow monitoring wells is approximately southwest at an average gradient of 0.48 feet per 100 feet in the western portion of the facility, where the majority of the monitoring wells are located. The gradient in the shallow wells is greater than the October 2002 sampling event, which had a gradient of 0.32 feet per 100 feet.

Figure 5-2 shows the approximate groundwater elevation of the lower Hollydale Aquifer for wells screened in the deeper interval (78.3 to 123.5 feet below ground surface). Groundwater contours for the deeper wells follow the same general trend as those of the shallow wells, with a direction of groundwater flow towards the southwest at an average gradient of 0.48 feet per 100 feet. This is greater than the average gradient of 0.37 during the previous quarter.

With the 23 wells measured for water levels during the this sampling round, there were seven locations where a deep well was measured adjacent to a shallow well. Shallow wells are screened within the interval of 45 to 77 feet bgs. Deep wells are screened within the interval of 78.3 to 107 feet bgs, with the exception of MW-15D, which is screened from 108.5 to 123.5 feet bgs.

Of the well pairs, groundwater elevations at deep wells MW-01D, MW-12D, MW-13D, MW-14D, and MW-15D were slightly lower (0.02 feet to 0.14 feet) than the corresponding shallow well elevations. The groundwater elevations at deep wells MW-04A and MW-06D were slightly higher (0.12 feet and 0.03 feet, respectively) than the corresponding shallow well elevations. Based on these and past groundwater elevation comparisons among shallow and deep well pairs, it does not appear that a well-defined vertical gradient between shallow and deep intervals exists.

Average groundwater elevations during the present sampling event decreased compared to the previous sampling event by an average of 1.95 feet. The maximum groundwater elevation decrease occurred in well MW-12S, which decreased by 2.26 feet.

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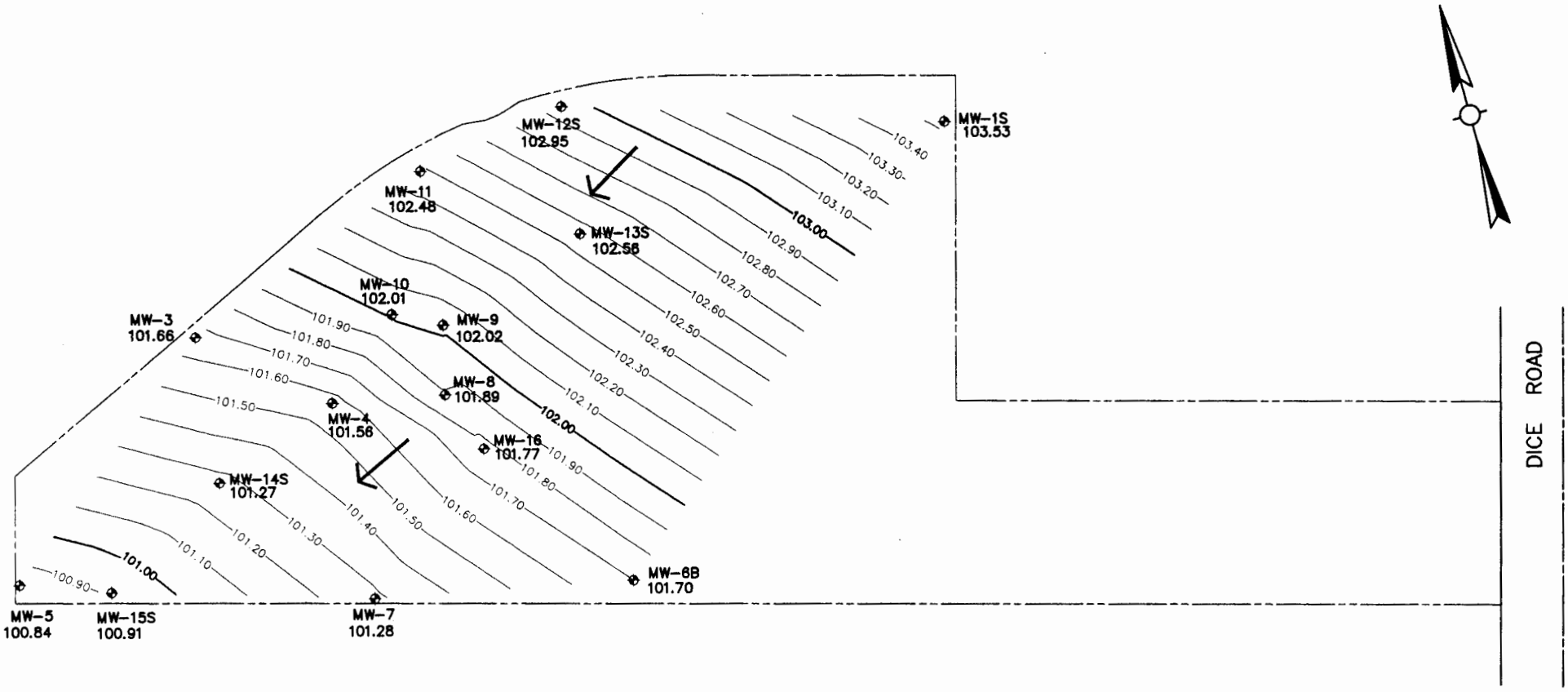

LEGEND

———	PROPERTY LINE
⊕	MONITORING WELL
106.92	GROUNDWATER ELEVATION (Feet Above MSL)
—108.00—	GROUNDWATER ELEVATION CONTOUR LINE (Feet Above MSL)
←	GROUNDWATER FLOW DIRECTION

1" = 100'

50 0 100

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Groundwater Elevation Contours - Shallow Wells
January 2003

CDM

Figure 5-1

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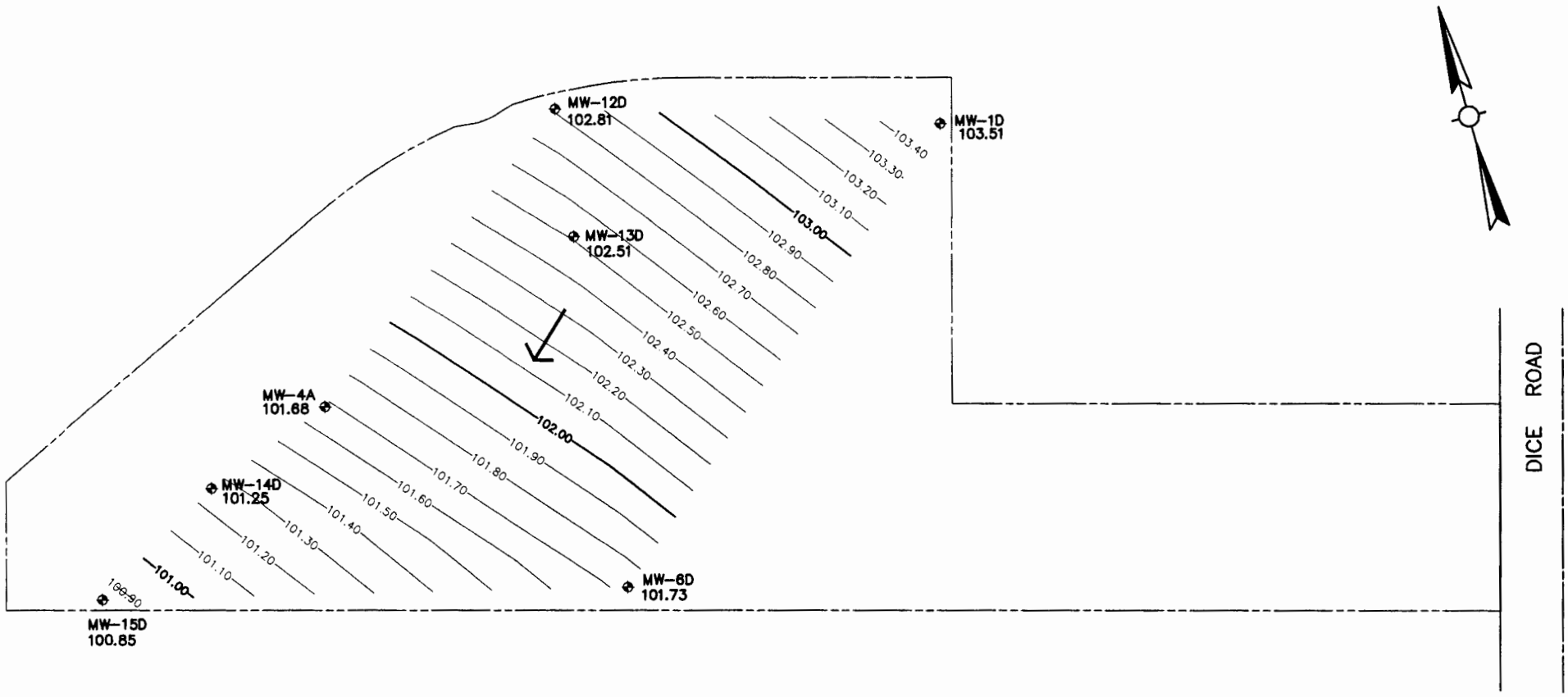

LEGEND

———	PROPERTY LINE
◆	MONITORING WELL
106.92	GROUNDWATER ELEVATION (Feet Above MSL)
—108.00—	GROUNDWATER ELEVATION CONTOUR LINE (Feet Above MSL)
←	GROUNDWATER FLOW DIRECTION

1" = 100'

50 0 100

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Groundwater Elevation Contours - Deep Wells
January 2003

CDM

Figure 5-2

TABLE 5-1
PHIBRO-TECH, INC.
January 2003
Groundwater Elevation Data

Well No.	Well Headspace* (ppm)	Total Depth Constructed (ft) (bgs)	Total Depth Measured (ft) (bgs)	Perforated Intervals (ft)	Calculated Casing Fill (ft)	M.P. Elevation (ft)	Depth to Water (ft below MP)	Groundwater Elevation (ft above MSL) January 2003	Groundwater Elevation (ft above MSL) October 2002
1S	0.1 / 0.1	62.5	62.3	47-62.5	0.2	152.63	49.10	103.53	101.55
1D	0.1 / 0.1	94.8	96.0	79.5-94.5	---	152.60	49.09	103.51	101.53
3	3.9 / 0.1	74.1	73.3	45-75	0.8	154.75	53.09	101.66	99.57
4	0.1 / 0.1	67.5	70.5	45-75	---	152.37	50.81	101.56	99.62
4A	5.8 / 0.1	107.0	106.8	87-107	0.2	152.46	50.78	101.68	99.74
5	0.1 / 0.1	75.0	73.3	45-75	1.7	153.26	52.42	100.84	98.88
6A	0.1 / 0.1	---	29.2	10-30	---	---	---	Dry	Dry
6B	0.1 / 0.1	77.6	76.4	45-75	1.2	149.53	47.83	101.70	100.03
6D	0.1 / 0.1	95.5	92.9	79-94	2.6	150.13	48.40	101.73	100.08
7	4.7 / 0.1	71.5	71.2	45-75	0.3	149.42	48.14	101.28	99.50
8	1.1 / 0.1	71.0	70.3	41-71	0.8	150.17	48.28	101.89	99.97
9	4.2 / 0.1	73.5	72.8	44-77	0.7	152.96	50.94	102.02	100.10
10	2.8 / 0.1	75.0	76.4	45-75	---	153.89	51.88	102.01	100.05
11	22.8 / 0.1	75.5	75.1	55-75	0.4	155.76	53.28	102.48	100.32
12S	5.8 / 0.1	72.0	74.8	51-72	---	155.79	52.84	102.95	100.69
12D	0.1 / 0.1	101.0	99.7	84.5-100	1.3	155.72	52.91	102.81	100.64
13S	3.6 / 0.0	70.3	69.3	50.3-70.3	1.0	151.72	49.16	102.56	100.52
13D	5.8 / 0.1	93.3	93.8	78.3-93.3	---	151.68	49.17	102.51	100.50
14S	22.7 / 0.1	71.5	71.0	46-72	0.5	150.54	49.27	101.27	99.30
14D	0.1 / 0.1	103.3	103.0	88-103	0.3	150.60	49.35	101.25	99.30
15S	0.4 / 0.1	71.5	71.0	51.5-71.5	0.5	151.01	50.10	100.91	99.03
15D	0.1 / 0.1	123.8	123.8	108.5-123.5	0.0	150.96	50.11	100.85	99.01
16	2.1 / 0.1	62.5	62.2	42-62	0.3	150.27	48.50	101.77	99.84

M.P. = Measuring point (top of steel casing)
--- = Not measured or not calculated.
bgs = below ground surface
ppm = parts per million

MSL = mean sea level
* Measured with PID prior to sampling (casing/background).
Note: Depth to water measurements collected on July 24, 2002 prior to purging/sampling on-site wells.

6

Section Six

Section 6
Groundwater Quality

In order to compare the analytical data with the previous sampling events (1989 through April 2001 quarterly events), historical sampling results were compiled and presented in Appendix B. The Appendix B tables summarize selected groundwater analytical parameters (hexavalent and total chromium, cadmium, copper, purgeable aromatics and trichloroethene) and groundwater elevations at shallow-well and deep-well locations sampled prior to April 2001. Analytical results for the period from July 2001 to the present are summarized in Tables 6-1 and 6-2. Laboratory analytical reports from all wells sampled during the January 2003 sampling round are located in Appendix C.

Consistent with the results of laboratory testing performed on the groundwater samples collected since January 1989 from the on-site monitoring wells, three contaminant plumes in the Hollydale Aquifer were identified. Historically, these plumes have been present at varying concentrations and lateral extent. One small plume, consisting primarily of chromium, has been aligned in a northeasterly to southwesterly direction in the vicinity of wells MW-04 and MW-14S. The second, consisting of purgeable aromatics, has also been aligned in a northeasterly to southwesterly direction with the highest concentrations generally found in wells MW-04, MW-14S, and MW-09. The third plume consists of TCE and related parameters with highest concentrations generally detected in wells MW-04, MW-09, MW-11, and MW-14S.

6.1 Halogenated Volatile Organic Compounds

Table 6-1 shows the analytical results for deep and shallow wells sampled during January 2003. TCE was the primary compound detected, with miscellaneous other halogenated organics also detected. The table also shows, for comparison purposes, maximum contaminant limits (MCLs) where established.

Trichloroethene (TCE)

TCE was detected in all 14 of the groundwater monitoring wells sampled. The highest concentration of TCE detected was 550 µg/L in well MW-11, which is located along the northern boundary of the site. This concentration represents a decrease from the result of 700 µg/L in the previous quarter. The TCE detected in well MW-11 likely originated from an off-site up gradient source. The second highest concentration of TCE detected was 390 µg/L in well MW-09, a decrease from the result of 530 µg/L in the previous quarter. Of the fourteen wells sampled, thirteen wells contained concentrations of TCE that exceeded the MCL of 5 µg/L.

Concentrations of TCE detected in shallow and deep wells are shown on Figures 6-1 and 6-2, respectively. Compared to the previous quarter, TCE concentrations increased in four of the ten shallow wells sampled. Excluding MW-11 and MW-09, TCE concentrations ranged from 11 µg/L (MW-01S) to 190 µg/L (MW-14S). Shallow

wells that had decreases in TCE concentration compared to October 2002 were MW-01S, MW-03, MW-06B, and MW-15S.

TCE concentrations increased in all four of the four deep wells sampled, compared with the October 2002 results. Deep-well TCE concentrations ranged from 2.2 µg/L (MW-01D) to 42 µg/L (MW-04A) in October 2002.

A review of the historical analytical results contained in Appendix B reveals that, with minor exceptions, TCE has historically been detected in all on-site monitoring wells, including the up gradient wells. Past discussions with Department of Health Services (now Cal EPA DTSC) and Regional Water Quality Control Board staff indicate that TCE and other halogenated organic are generally recognized as regional groundwater contaminants.

Other Halogenated Organics

During the January 2003 sampling, other halogenated organics were detected in most of the on-site wells (Table 6-1). Halogenated organics detected other than TCE included 1,1-dichloroethane (1,1-DCA), 1,2-DCA, tetrachloroethene (PCE), 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), carbon tetrachloride, trans-1,2-dichloroethene, chloroform, and methylene chloride. Wells with significant concentrations of halogenated organic compounds included MW-04, MW-07, MW-09, MW-11, and MW-14S.

1,1-DCA was detected in ten of the wells sampled, with concentrations ranging from 2.5 µg/l in MW-15S to 530 µg/L in MW-09. The MCL for 1,1-DCA is 5 µg/L. Compared with October 2002, concentrations of 1,1-DCA increased in four of the wells that had detectable concentrations.

1,2-DCA was present above reporting limits in ten of the sampled wells, with concentrations ranging from 1.3 µg/l in MW-01S to 190 µg/L in both MW-09 and MW-11. The MCL for 1,2-DCA is 0.5 µg/L.

Detectable concentrations of cis-1,2-DCE occurred in eight of the wells sampled. Among wells with detections, concentrations ranged from 2.5 µg/L in MW-01S to 130 µg/L in MW-04. The MCL for cis-1,2-DCE is 6 µg/L.

The compounds PCE, 1,1-DCE, 1,1,1-TCA, carbon tetrachloride, chloroform and methylene chloride were also detected in several wells. Detections of these other halogenated organic compounds are assumed to be related to the TCE plume. The presence of trans-1,2-dichloroethene could be a result of anaerobic degradation of TCE.

6.2 Aromatic Volatile Organic Compounds

According to PTI personnel, organic chemicals have not historically been used on-site in any of the production processes. Two 10,000-gallon underground storage tanks (containing diesel and gasoline), however, were located in the approximate center of

the facility, due east of the drum wash area. During tank removal activities in July 1989, petroleum hydrocarbon contamination was discovered in the tank excavation. The RFI report indicated that petroleum hydrocarbon contamination was not detected at depths below 30 feet near the former tank locations. Although they have not been used on-site, aromatic compounds have been historically detected in groundwater underlying the facility. The primary aromatic organic compounds of concern are toluene, ethylbenzene and total xylenes, which vary in both concentration and lateral extent. The RFI report indicated that these compounds appeared to be migrating onto the subject property from the property to the north. According to Los Angeles County Department of Public Works files, leaks from tanks containing purgeable aromatic compounds with subsequent groundwater contamination are known to have occurred at the property to the north of PTI.

Aromatic volatile organic compound results for January 2003 are presented in Table 6-1. Concentrations of total aromatics (BTEX) for the shallow wells are illustrated on Figure 6-3. Historic sampling results indicate that purgeable aromatic contamination originated off-site to the north and has migrated onto the subject property. During previous sampling events, elevated concentrations of toluene, ethylbenzene and xylenes were detected in MW-11 and MW-03 along the northern perimeter of the property.

Since approximately July 1991, elevated concentrations of these compounds have been detected in wells MW-04 and MW-14S, indicating that the plume may be migrating down gradient. Total BTEX concentrations in MW-04 began to gradually decrease in October 1998 until January 2000, at which time MW-04 had a total BTEX concentration of 11.1 µg/L. Concentrations began to increase in MW-04 between October 2000 until October 2001, when the total BTEX concentrations reached 6,500 µg/L. Although concentrations have fluctuated significantly since January 2002, the January 2003 BTEX concentration in well MW-04 was 131.2 µg/L. For the purposes of this calculation, non-detected parameters are counted as equal to their reporting limit.

Relatively high BTEX concentrations have also been detected in well MW-09 beginning in January 1992. Ethylbenzene was detected at a concentration of 440 µg/L in MW-09 in July 2001 and 8.1 µg/L in October 2001. However, BTEX compounds in well MW-09 have remained below reporting limits since January 2002.

The highest total BTEX concentration occurred in well MW-14S at 190 µg/L. This concentration represents an increase from 34 µg/L in October 2002.

Benzene

Of the 14 wells sampled in January 2003, only wells MW-03 and MW-15D had benzene concentrations (1.6 and 3.8 µg/L, respectively) above the maximum contaminant level of 1.0 µg/L. In addition, wells MW-11 (1.4 µg/L) and MW-14S (1.2 µg/L) contained "J-flagged" concentrations above the maximum contaminant level. "J-flagged" concentrations are estimates, as the detected concentrations are

below the calibration range for the analytical instrument. Historical evidence indicates that benzene is not a contaminant of concern for the facility.

Toluene

During the January 2003 sampling, toluene was not detected above the reporting limit in any of the 14 wells sampled. In general, toluene occurs sporadically in most of the wells on site. Significant toluene concentrations were detected during July 1990 to July 1991 (MW-11), July 1991 to January 1992 (MW-04), July 1992 to July 1993 (MW-09), and July 1994 to January 1995 (MW-09). Concentrations were also detected at well MW-04 during January 1993. Historically, elevated ethylbenzene and total xylene concentrations have generally been associated with elevated toluene concentrations.

Ethylbenzene

During the January 2003 sampling round, ethylbenzene was detected at concentrations greater than the reporting limit in MW-03, MW-04, MW-11, MW-14S, and MW-15D. The highest concentration of ethylbenzene (130 µg/L) was detected in MW-14S, which was an increase from October 2002, when the concentration was 14 µg/L.

The second highest concentration of ethylbenzene (51 µg/L) was detected in MW-04, which is a decrease from a concentration of 820 µg/L in the previous quarter.

Since the last sampling event, ethylbenzene concentrations decreased in wells MW-03, MW-04, and MW-11. Concentrations increased in wells MW-14S, MW-15D, and MW-15S.

Total Xylenes

Total xylenes were detected above the reporting limit in three wells during the January 2003 sampling event. In well MW-04, the concentration of total xylenes was 81 µg/L, the largest concentration on site. Results from the previous event also indicated that three wells contained reportable concentrations of total xylenes, and that MW-04 contained a concentration of 1,650 µg/L.

6.3 Inorganic and Miscellaneous Parameters

Table 6-2 shows the analytical results for inorganic parameters (cadmium, total and hexavalent chromium, copper, and pH) for sampling events since January 2002.

Hexavalent Chromium (Cr^{+6})

During this sampling event, hexavalent chromium was analyzed using EPA Method 7199 with a typical reporting limit of 0.001 mg/L. Prior to the April 2001 sampling event, hexavalent chromium was analyzed using EPA Method 7196 with a typical reporting limit of 0.02 mg/L.

Hexavalent chromium was detected in eight of the fourteen wells sampled. Well MW-04 contained the highest concentration of hexavalent chromium at 11 mg/L. Well MW-04 also contained the highest concentration during the previous event, at 32.6 mg/L. The other reportable concentrations of hexavalent chromium ranged from 0.0018 mg/L (MW-06D) to 9.5 mg/L (MW-09). Figure 6-4 shows the concentrations of hexavalent chromium detected in the shallow wells during January 2003.

Water purged from MW-04 has typically been bright yellow in color since CDM began sampling the wells on a quarterly basis in January 1989. During this sampling round, the color of water from MW-04 was again noted as yellow.

Figure 6-5 shows the concentrations of hexavalent chromium and groundwater elevations in MW-04 over time. The concentrations of hexavalent chromium at MW-04 decreased from July 1989 (120 mg/L) to July 1993 (1.8 mg/L), while groundwater elevations increased. Since July 1993, hexavalent chromium concentrations have fluctuated while groundwater elevations have remained fairly constant. Historically, hexavalent chromium has been detected (detection limit was 0.02 mg/L) in four other wells other than MW-04, although the highest concentration has always been detected at MW-04.

At MW-14S from October 1990 to January 1993, hexavalent chromium concentrations generally decreased, with analytical non-detections reported for the six sampling rounds before October 1994. Since October 1994, detections have been sporadic, ranging from 0.017 to 0.11 mg/L during 16 of the last 30 sampling events. Well MW-14S had a hexavalent chromium concentration of 0.0042 mg/L in January 2003, a decrease compared to the 0.42 mg/L concentration in October 2002.

Hexavalent chromium concentrations decreased in MW-09 between October 1989 and January 1991. Then between January 1992 and July 1998 hexavalent chromium concentrations were not detected above the reported detection limits (except for a trace amount detected in October 1991). Between October 1998 and January 2003, eleven of the sixteen sampling events indicated detectable concentrations of hexavalent chromium in well MW-09.

Total Chromium (Cr[T])

Total chromium was detected above its reporting limit in five monitoring wells during the January 2003 sampling event. The highest concentration was detected in well MW-09 at 9.6 mg/L, an increase from 4.5 mg/L last quarter. MW-04, which generally contains the greatest total chromium concentration on site, had a concentration of 9.2 mg/L, a decrease from 29 mg/L last quarter. Other concentrations of total chromium above reporting limits ranged from 0.0057 mg/L in well MW-16 to 0.014 mg/L in well MW-14S. Figure 6-6 shows the concentrations of total chromium detected in shallow monitoring wells during January 2003. Figure 6-7 shows the concentrations of total chromium and corresponding groundwater elevations in MW-04 over time. Comparison of historical total chromium data with present data (Appendix B) indicates that total chromium concentrations, like those of

hexavalent chromium, generally decreased from January 1989 to July 1993, and have fluctuated up and down since July 1993. Historically, the highest total chromium concentrations have been detected in MW-04. Sporadic detections of total chromium close to the detection limit have occurred historically in nearly all-shallow wells on site.

Cadmium (Cd)

During the January 2003 sampling event, cadmium was detected at concentrations greater than the reporting limit in two wells. The cadmium in well MW-04 was 0.26 mg/L, a decrease from the 0.6 mg/L detected last quarter. The cadmium concentration in well MW-15S was 0.0053 mg/L, slightly above the reporting limit of 0.005 mg/L.

Previous concentrations in MW-04 have ranged from 0.028 mg/L in January 1989 to 0.86 mg/L in July 1992. Figure 6-8 shows the cadmium concentrations detected in the on-site wells during January 2003. Figure 6-9 shows the concentrations of cadmium and corresponding groundwater elevations in MW-04 over time. As shown on Figure 6-9, cadmium concentrations have fluctuated considerably (i.e., from non-detectable at a detection limit of 0.005 mg/L during July 1993 to 0.86 mg/L during July 1992) since July 1990.

Cadmium has been detected consistently only in well MW-04. Historically, cadmium has been detected once at 0.01 mg/L in MW-01 during July 1989. Cadmium was detected in MW-14S at concentrations ranging from 0.005 mg/L to 0.018 mg/L between October 1990 through July 1991 and at a concentration of 0.0055 mg/L during July 1995, as well as the present quarter. Cadmium was also detected in MW-15S at concentrations close to the detection limit from July 1991 to January 1993. Detected concentrations in MW-15S ranged from 0.005 mg/L in July 1992 to 0.02 mg/L during October 1991.

Copper (Cu)

Copper was detected at a concentration greater than the reporting limit in seven of the sampled wells. Concentrations ranged between 0.01 mg/L in wells MW-03 and MW-16 to 0.042 mg/L in well MW-14S. None of these concentrations exceed the secondary MCL of 1.3 mg/L. Figure 6-10 shows the copper concentrations detected in the on-site wells during January 2003. Historically, with the exception of well MW-14S, concentrations of copper above the secondary MCL have not been detected in on-site monitoring wells.

pH

Groundwater samples from all wells were measured for pH in the field during purging activities, and also by the analytical laboratory on the samples submitted for analysis. Field pH measurements were recorded in the field logbook during well purging. In January 2003, the field measurements of pH generally correlated with the values shown in Table 6-2, which range from 6.71 to 7.52.

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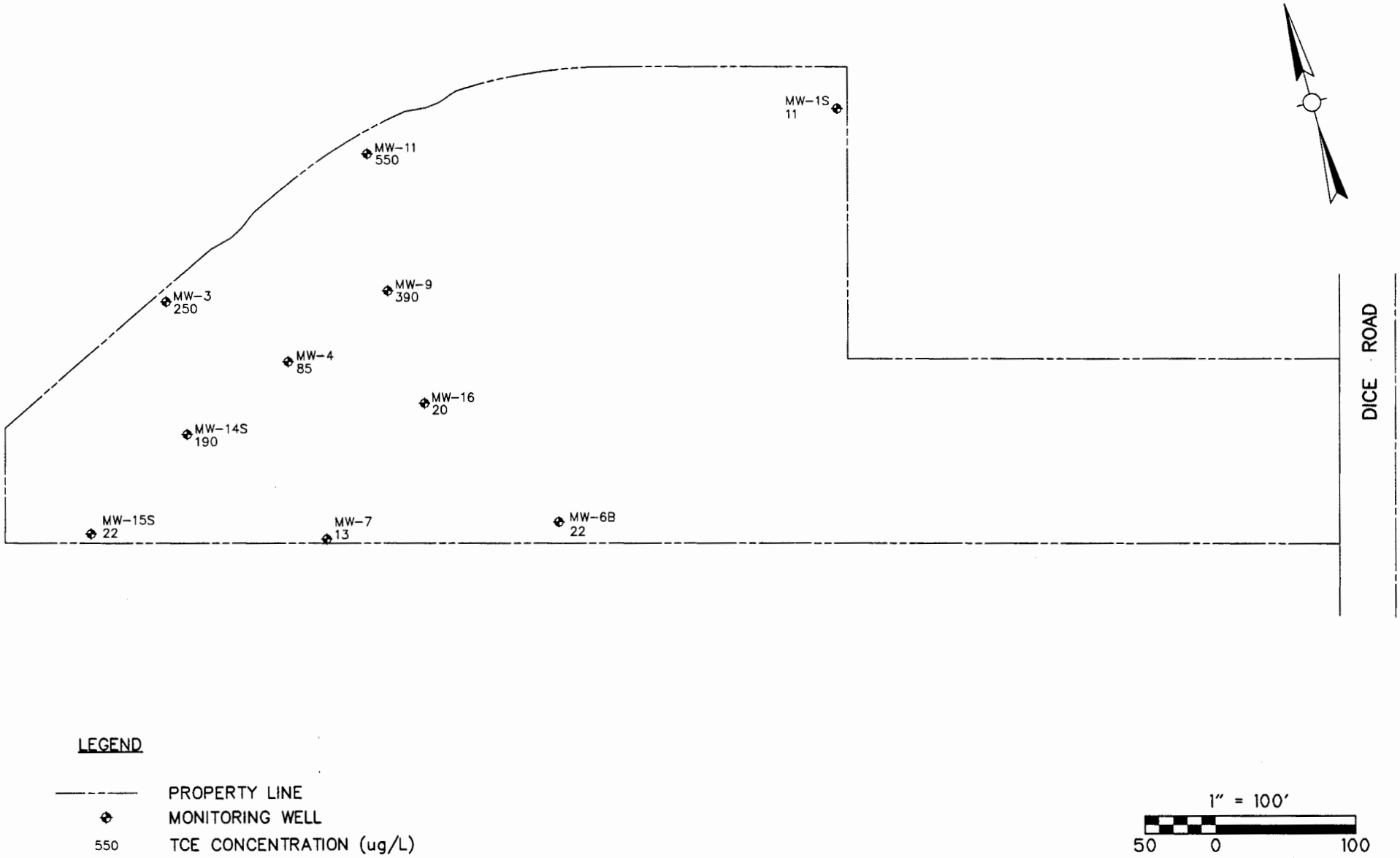

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

TCE Concentrations - Shallow Wells
January 2003

CDM

Figure 6-1

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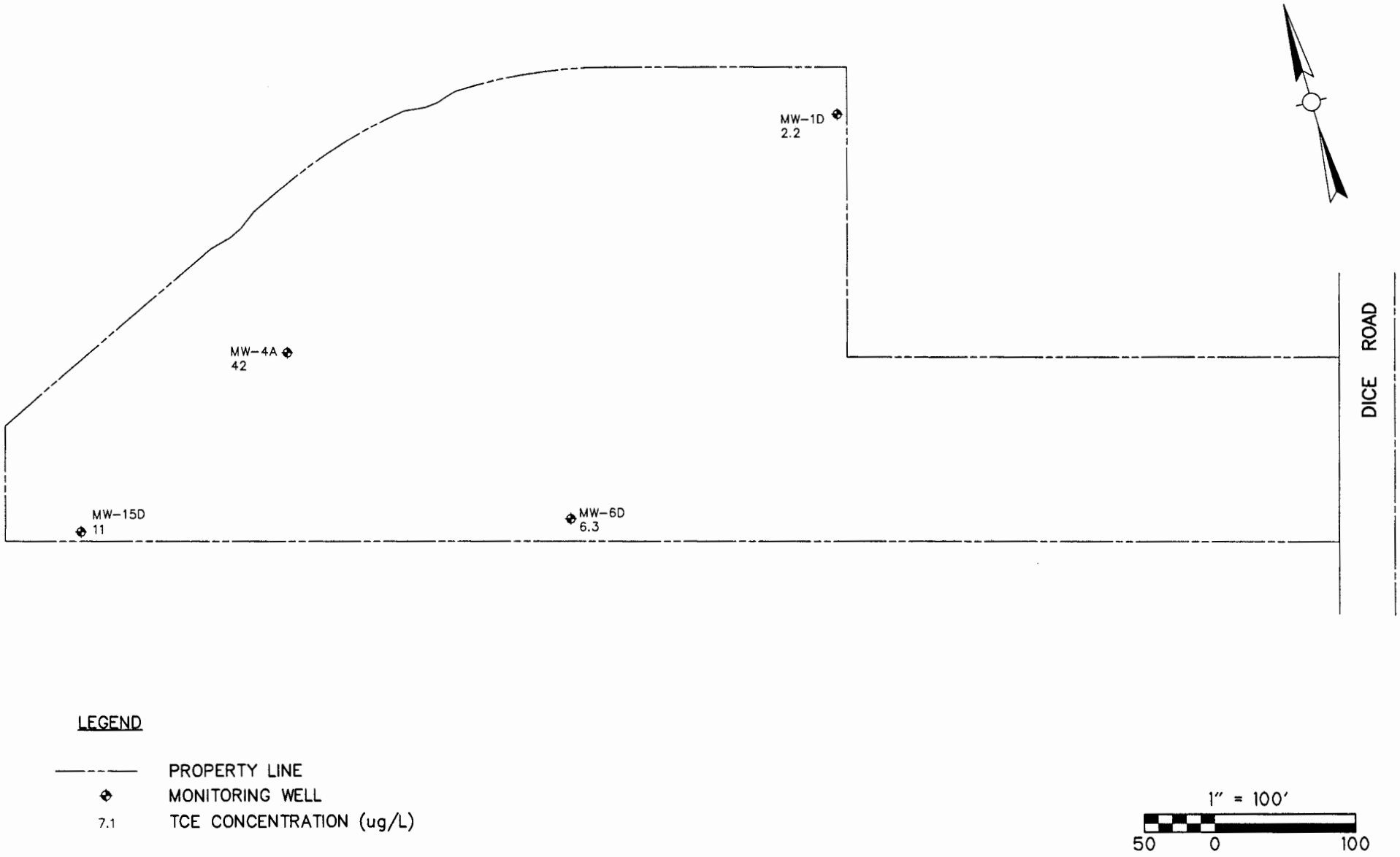

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

TCE Concentrations - Deep Wells
January 2003

CDM

Figure 6-2

DATE: Apr 22, 2003 10:13am XREFS:
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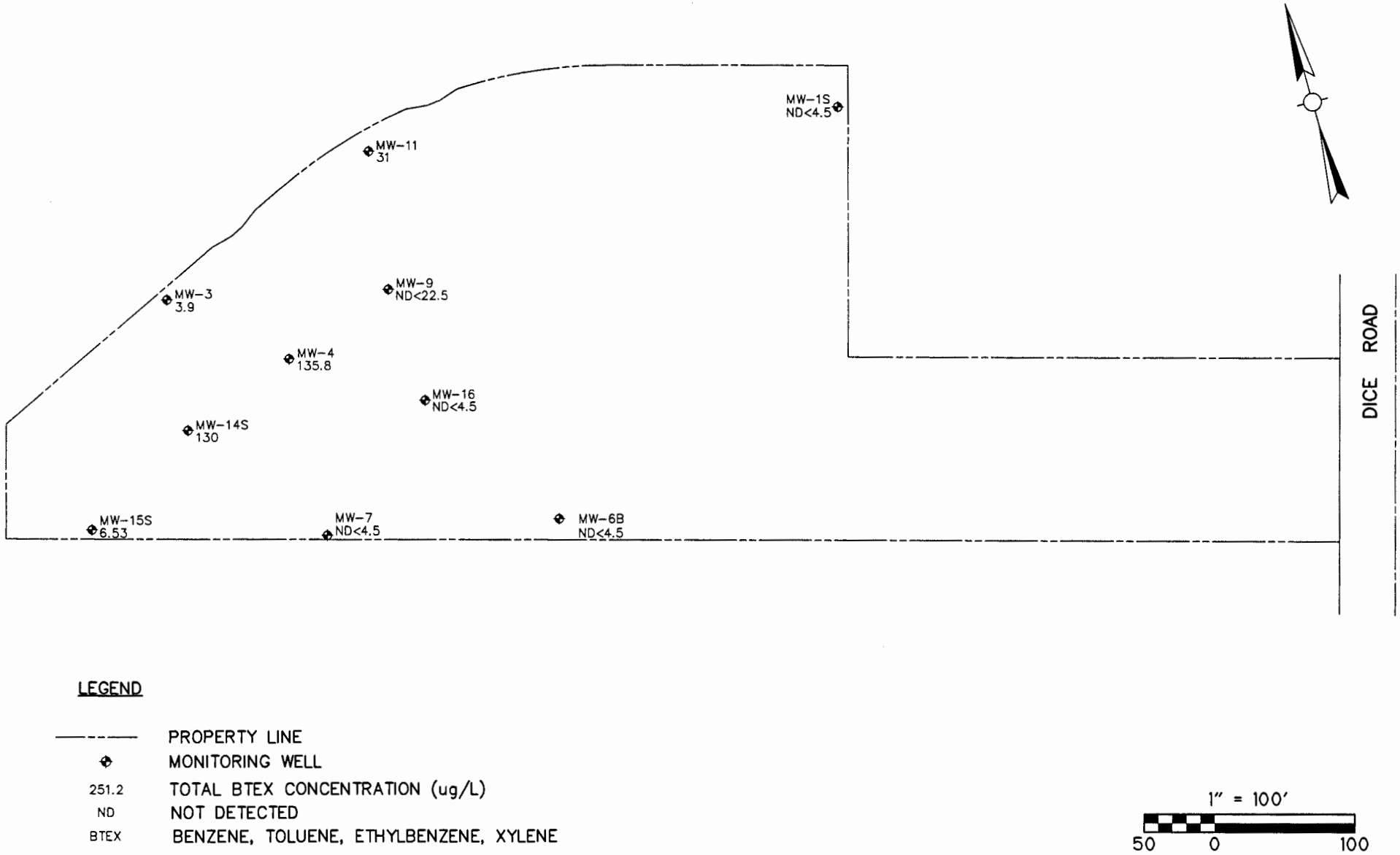

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Total BTEX Concentrations - Shallow Wells
January 2003

CDM

Figure 6-3

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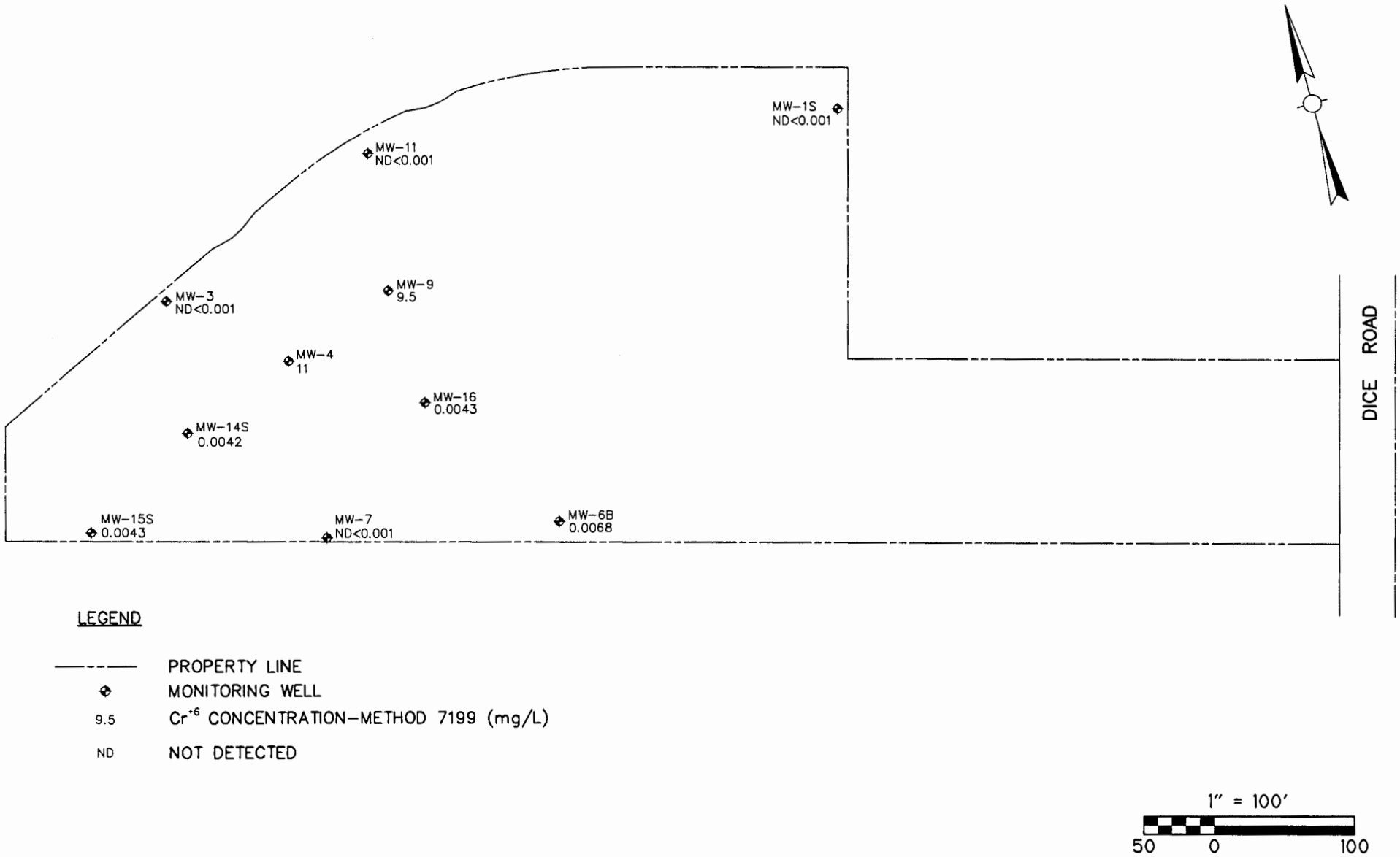

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Hexavalent Chromium Concentrations - Shallow Wells
January 2003

CDM

Figure 6-4

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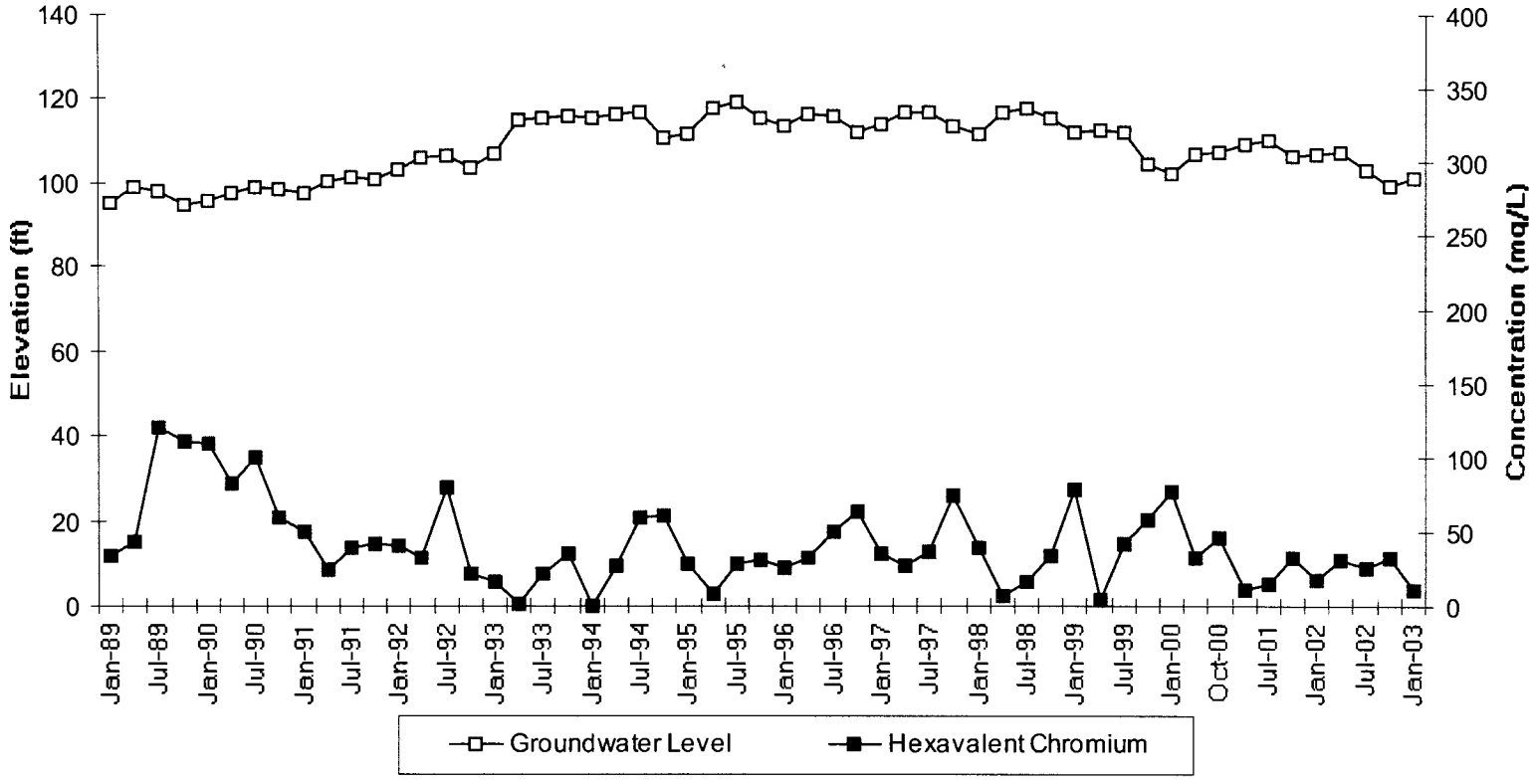

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Hexavalent Chromium Concentration
Groundwater Elevation MW-04
January 1989 - January 2003

CDM

Figure 6-5

DATE: Apr 22, 2003 10:15am XREFS:
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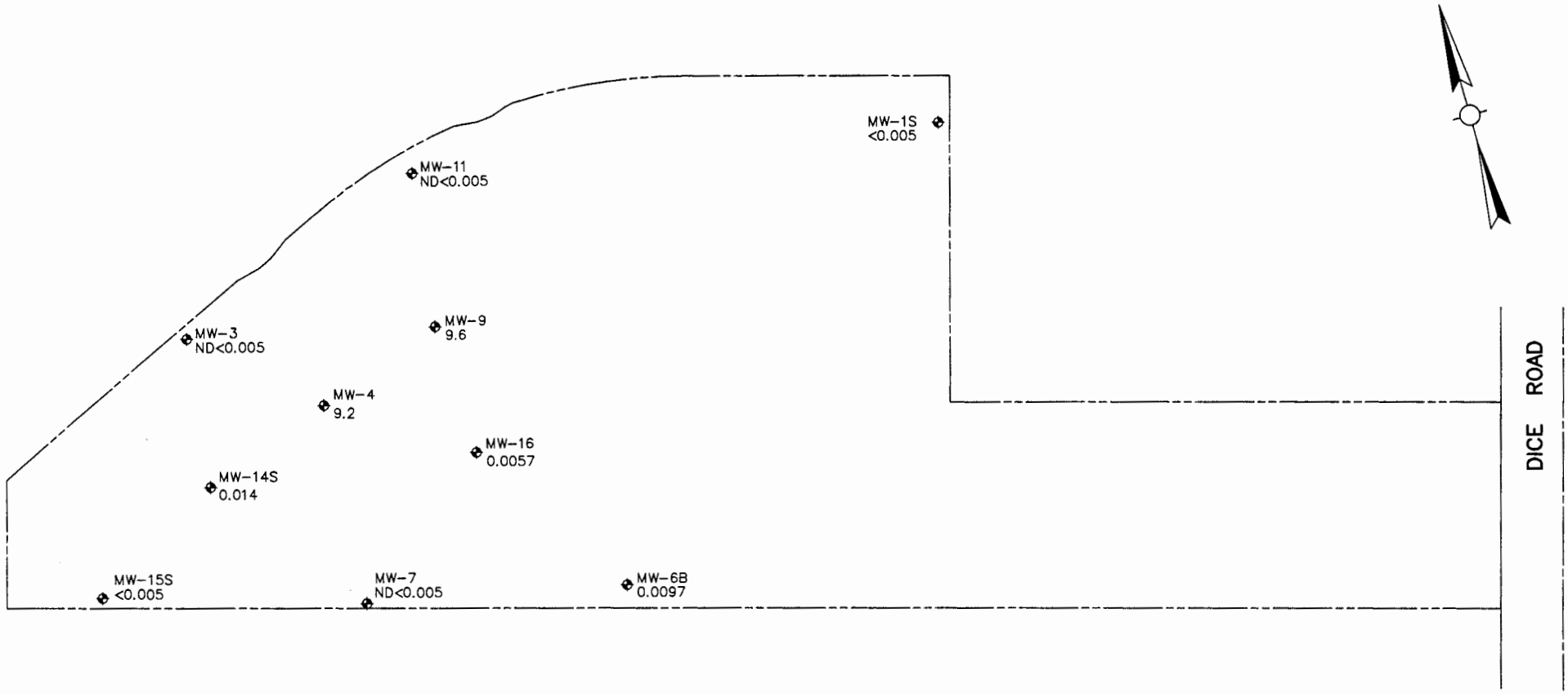

LEGEND

———	PROPERTY LINE
⊕	MONITORING WELL
9.7	TOTAL CHROMIUM CONCENTRATION (mg/L)
ND	NOT DETECTED

1" = 100'
50 0 100

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Total Chromium Concentrations - Shallow Wells
January 2003

CDM

Figure 6-6

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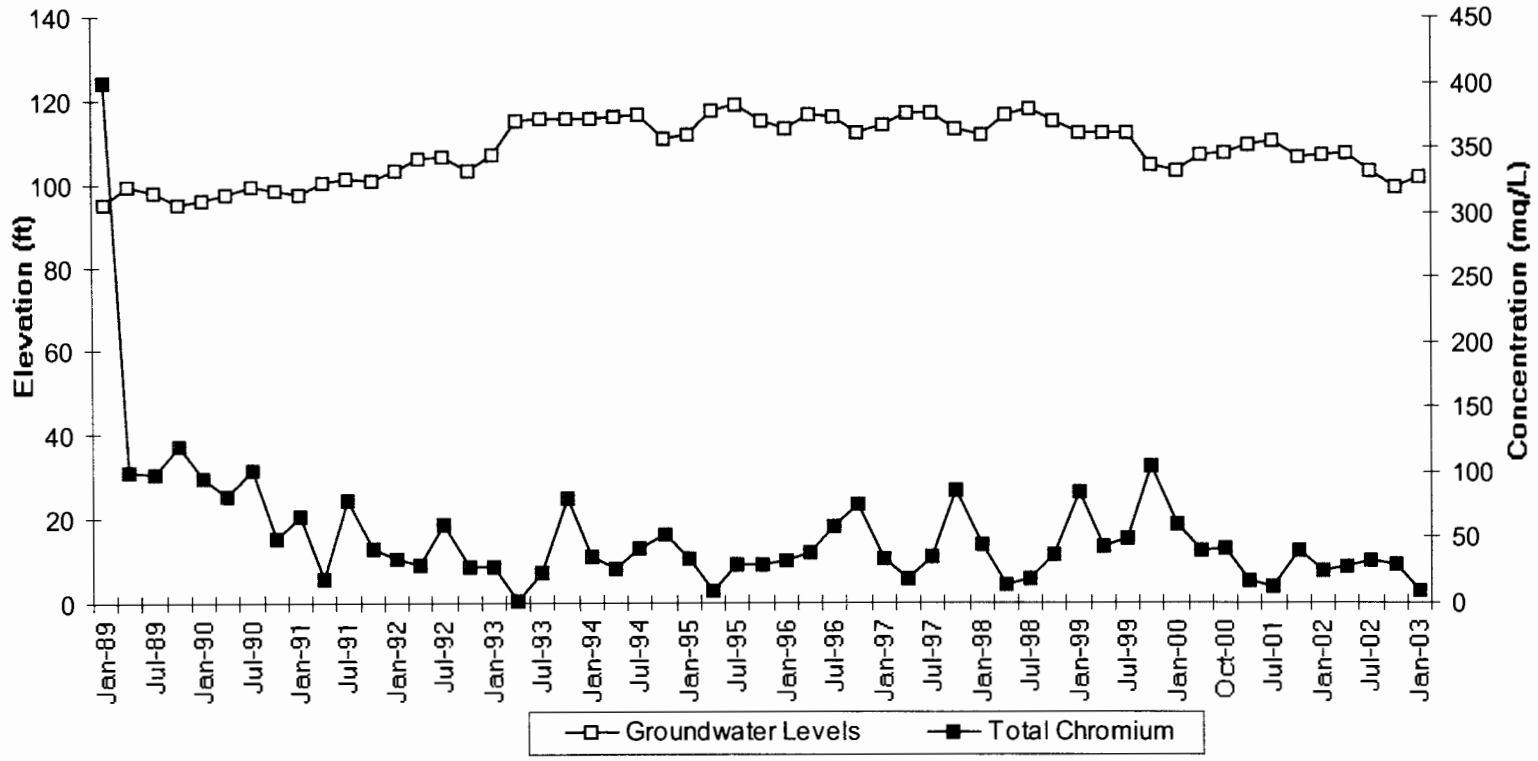

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Total Chromium Concentration
Groundwater Elevation MW-04
January 1989 - January 2003

CDM

Figure 6-7

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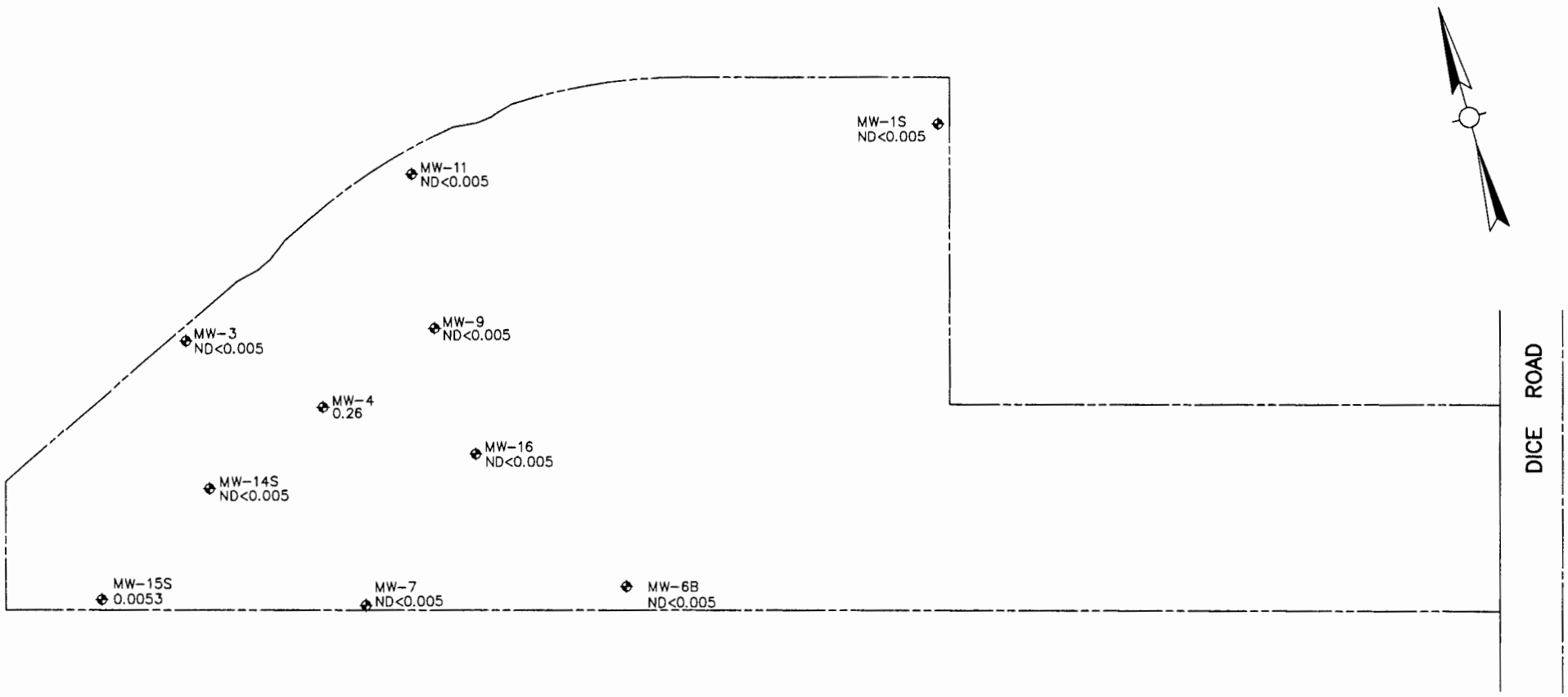

LEGEND

———	PROPERTY LINE
◆	MONITORING WELL
0.50	CADMIUM CONCENTRATION (mg/L)
ND	NOT DETECTED

1" = 100'
50 0 100

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Cadmium Concentrations - Shallow Wells
January 2003

CDM

Figure 6-8

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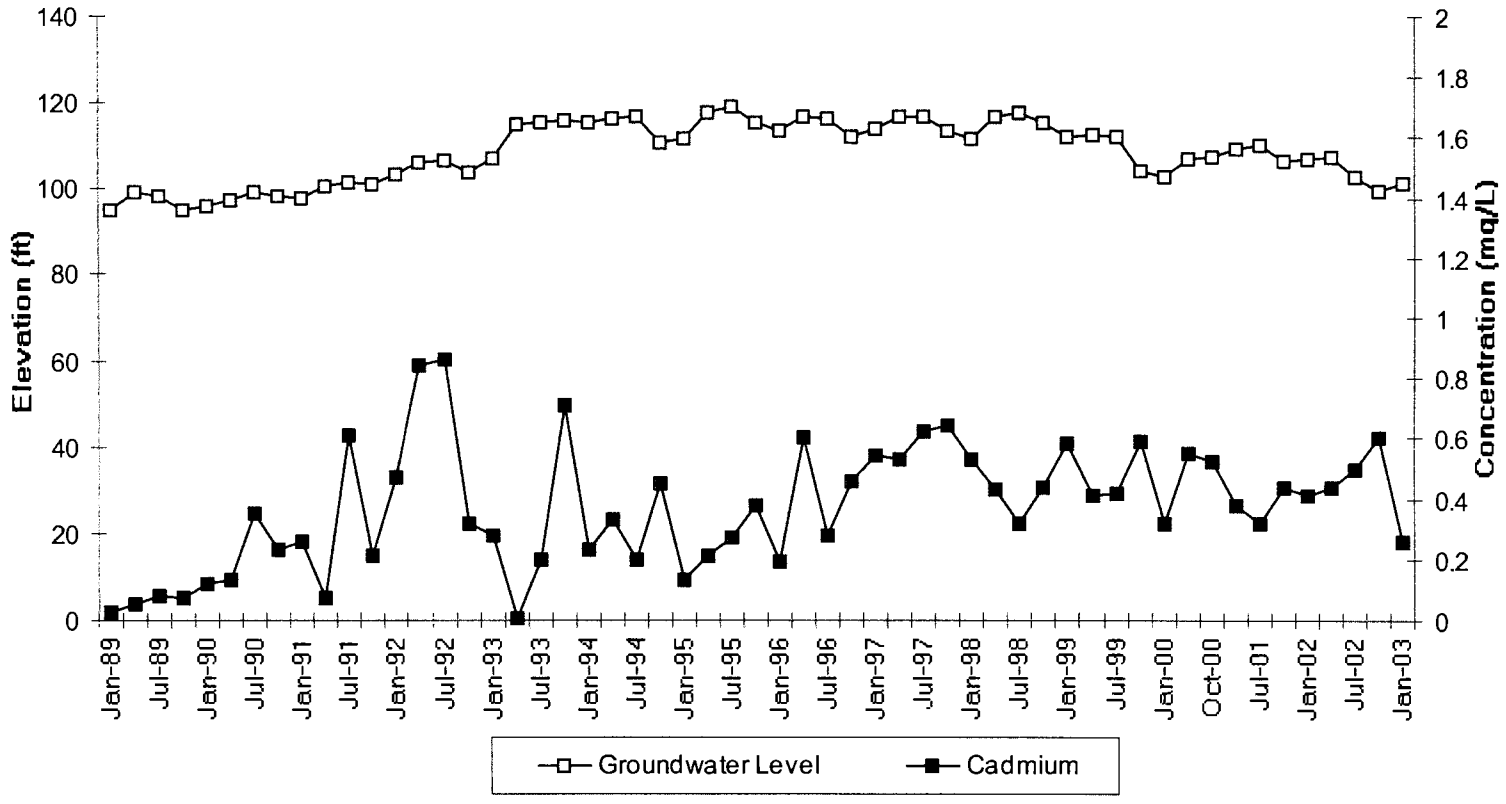

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Cadmium Concentration
Groundwater Elevation MW-04
January 1989 - January 2003

CDM

Figure 6-9

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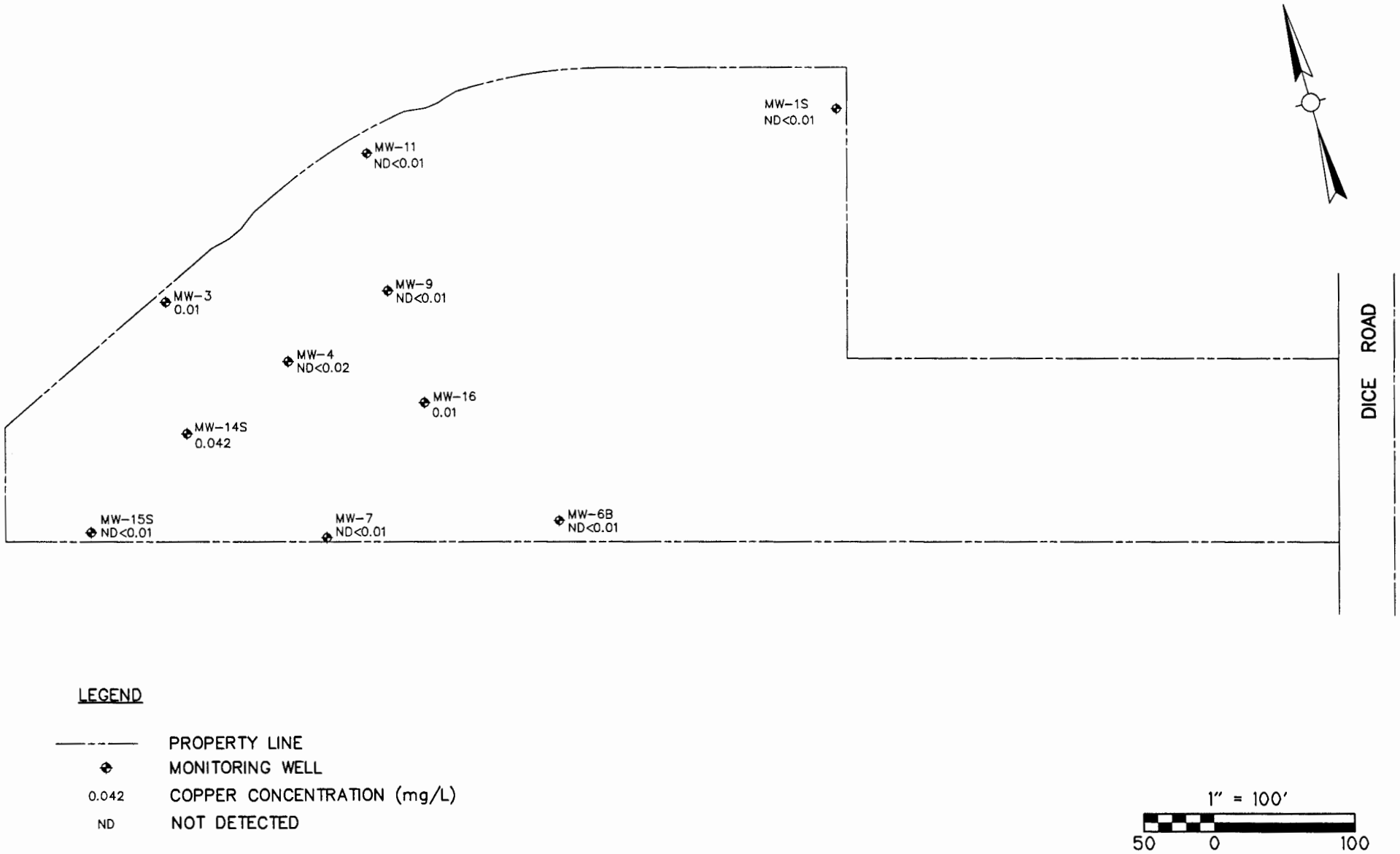

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Copper Concentrations - Shallow Wells
January 2003

CDM

Figure 6-10

Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2003
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene (1)	Toluene (150)	Ethyl-benzene (700)	Xylenes, Total (1,750)	PCE (5)	1,1,1-TCA (200)	TCE (5)	1,1-DCE (6)	1,1-DCA (5)	1,2-DCA (0.5)	CCl4 (0.5)	CFM (100)	cis-1,2-DCE (6)	trans-1,2-DCE (10)	MCL (5)
MW-01D	01/15/2002		1.6	1 U	1 U	1 U	2.5	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/16/2002		1 U	1 U	1 U	2 U	3.9	1 U	3.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	07/24/2002		1 U	1 U	1 U	2 U	1.7	1 U	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/22/2002		1 U	1 U	1 U	2 u	2.5	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	01/08/2003		0.67	1 U	1 U	2 U	2.8	1 U	2.2	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
MW-01S	01/15/2002		1 U	1 U	1 U	1 U	1.6	1 U	7	1 U	1 U	1.3	1 U	1 U	1.2	1 U	1 U
	04/16/2002		1 U	1 U	1 U	2 U	1.2	1 U	5.3	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U
	07/24/2002		1 U	1 U	1 U	2 U	1.2	1 U	6.2	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U
	10/22/2002		1 U	1 U	1 U	2 u	1.4	1 U	8.3	1 U	1 U	1.1	1 U	1 U	2.2	1 U	1 U
	01/08/2003		0.5 U	1 U	1 U	2 U	2	1 U	11	1 U	1 U	1.3	0.5 U	1 U	2.5	1 U	5 U
MW-03	01/16/2002		2.5 U	2.5 U	2.5 U	2.5 U	5.6	2.5 U	220	28	30	2.5 U	33	30	2.5 U	2.5 U	2.5 U
	04/16/2002		5 U	5 U	5 U	10 U	5 U	5 U	280	35	44	5 U	36	38	5 U	5 U	5 U
	07/24/2002		5 U	5 U	5 U	10 U	5.5	5 U	260	36	34	5 U	28	31	5 U	5 U	5 U
	10/22/2002		10 U	10 U	63	700	10 U	10 U	190	30	17	25	10 U	13	10 U	10 U	10 U
	01/08/2003		1.6	2 U	2 U	2.3	5.6	2 U	250	48	32	15	22	27	2 U	2 U	10 U
MW-04	01/17/2002		10 U	10 U	680	10 U	10 U	10 U	130	31	55	160	10 U	10 U	63	10 U	20
		K	10 U	10 U	720	10 U	10 U	10 U	140	32	58	160	10 U	10 U	70	10 U	24
	04/18/2002		50 U	50 U	2200	170	50 U	50 U	260	57	100	50 U	50 U	50 U	86	50 U	58
		K	50 U	50 U	1900	160	50 U	50 U	260	65	100	50 U	50 U	50 U	84	50 U	60
	07/25/2002		7.7	5 U	220	328	5 U	5 U	210	110	180	32	5 U	18	210	5 U	85
		K	7.6	5 U	200	317	5 U	5 U	210	110	170	32	5 U	18	200	5 U	84
	10/23/2002		12 U	12 U	820	1650	12 U	12 U	130	76	200	31	12 U	20	240	12 U	87
		K	12 U	12 U	880	1760	12 U	12 U	140	82	210	28	12 U	21	250	12 U	90
	12/30/2002		3.8	0.37 J	51	81	1.9 J	2.5 U	85	45	110	67	2.5 U	8.1	130 E	2.3 J	30
		K	3.8 J	0.4 J	49	78	2.1 J	5 U	99	48	120	64	5 U	9.7	140	2.8 J	36
MW-04A	01/16/2002		1 U	1 U	1 U	1 U	1.7	1 U	3.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/17/2002		2 U	2 U	2 U	4 U	3.6	2 U	71	18	93	2 U	2 U	4.4	7.3	2 U	2 U

Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2003
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene (1)	Toluene (150)	Ethyl-benzene (700)	Xylenes, Total (1,750)	PCE (5)	1,1,1-TCA (200)	TCE (5)	1,1-DCE (6)	1,1-DCA (5)	1,2-DCA (0.5)	CCl4 (0.5)	CFM (100)	cis-1,2-DCE (6)	trans-1,2-DCE (10)	MCL (5)
MW-04A	07/25/2002		1 U	1 U	1 U	2 U	1.3	1 U	7.1	1.8	6.1	1 U	1 U	1 U	1 U	1 U	1 U
	10/23/2002		1 U	1 U	1 U	2 u	2.6	1 U	36	11	33	1 U	1 U	1.3	1.9	1 U	1 U
	01/09/2003		0.5 U	1 U	1 U	2 U	2.6	1 U	42	11	40	0.5 U	0.5 U	1.8	2.8	1 U	5 U
MW-06B	01/16/2002		1 U	1 U	1 U	1 U	1 U	1 U	5.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/17/2002		1 U	1 U	1 U	2 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	07/25/2002		1 U	1 U	1 U	2 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/23/2002		1 U	1 U	1 U	2 u	1 U	1 U	12	1.1	11	1.8	1 U	1 U	3.4	1 U	1 U
	01/09/2003		0.5 U	1 U	1 U	2 U	5.9	1 U	22	2	1.5	0.5 U	0.5 U	1 U	1 U	1 U	5 U
MW-06D	01/16/2002		1 U	1 U	1 U	1 U	1.1	1 U	6.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/17/2002		1 U	1 U	1 U	2 U	1 U	1 U	3.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	07/25/2002		1 U	1 U	1 U	2 U	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/23/2002		1 U	1 U	1 U	2 u	1 U	1 U	4.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	01/08/2003		0.5 U	1 U	1 U	2 U	1	1 U	6.3	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
MW-07	01/17/2002		1 U	1 U	1 U	1 U	1.4	1 U	15	1.2	8.7	15	1 U	1 U	2.1	1 U	1 U
	04/18/2002		1 U	1 U	1 U	2 U	1 U	1 U	38	4.1	34	52	1 U	1 U	7.9	1.1	1 U
	07/26/2002		2.5 U	2.5 U	2.5 U	5 U	2.5 U	2.5 U	100	11	58	15	2.5 U	2.5 U	24	3.4	2.5 U
	10/23/2002		1 U	1 U	1 U	2 u	3.8	1 U	21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	12/30/2002		0.057 J	1 U	1 U	2 U	1	1 U	13	1.8	13	1.8	1 U	0.29 J	3	0.38 J	0.6 J
MW-09	01/17/2002		2.5 U	2.5 U	2.5 U	2.5 U	4.4	3.6	200	43	89	140	2.5 U	35	5.3	2.5 U	14
		K	2.5 U	2.5 U	2.5 U	2.5 U	4.2	3.8	200	44	91	150	2.5 U	36	5.3	2.5 U	15
	04/18/2002		2.5 U	2.5 U	2.5 U	5 U	4.2	12	140	33	110	64	2.5 U	26	11	2.5 U	6.9
		K	2.5 U	2.5 U	2.5 U	5 U	6	20	190	48	160	56	2.5 U	36	16	2.5 U	10
	07/26/2002		25 U	25 U	25 U	50 U	25 U	25 U	480	89	320	340	25 U	150	25 U	25 U	280
		K	10 U	10 U	10 U	20 U	10 U	10 U	570	130	360	380	10 U	170	13	10 U	320
	10/24/2002		10 U	10 U	10 U	20 u	10 U	10 U	530	140	530	190	10 U	300	23	10 U	230
		K	10 U	10 U	10 U	20 u	12	10 U	640	160	630	210	10 U	360	28	10 U	270
	01/09/2003		2.5 U	5 U	5 U	10 U	9.6	5 U	390	100	290	100	2.5 U	150	12	5 U	160
		K	2.5 U	5 U	5 U	10 U	9	5 U	390	100	290	110	2.5 U	150	11	5 U	170

Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2003
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene (1)	Toluene (150)	Ethyl-benzene (700)	Xylenes, Total (1,750)	PCE (5)	1,1,1-TCA (200)	TCE (5)	1,1-DCE (6)	1,1-DCA (5)	1,2-DCA (0.5)	CCl4 (0.5)	CFM (100)	cis-1,2-DCE (6)	trans-1,2-DCE (10)	MCL (5)
MW-11	01/17/2002		25 U	31	1900	530	25 U	25 U	630	44	120	25 U	25 U	25 U	54	25 U	25 U
	04/18/2002		25 U	25 U	300	50 U	25 U	27	1300	89	360	25 U	25 U	44	66	25 U	25 U
	07/26/2002		50 U	50 U	50 U	100 U	50 U	50 U	1500	110	410	50 U	50 U	50 U	58	50 U	50 U
	10/24/2002		10 U	10 U	390	20 u	10 U	10 U	700	59	140	130	10 U	24	39	10 U	10 U
	12/30/2002		1.4 J	20 U	31	40 U	3.4 J	20 U	550	42	110	100	20 U	15 J	22	20 U	20 U
MW-14S	01/16/2002		50 U	50 U	2700	1100	50 U	50 U	91	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
	04/17/2002		2 U	2 U	2 U	3.8	2 U	2 U	130	30	41	13	18	18	5.3	2 U	2 U
	07/25/2002		25 U	25 U	860	50 U	25 U	25 U	150	39	43	25 U	25 U	25 U	25 U	25 U	25 U
	10/23/2002		5 U	5 U	14	10 u	5 U	5 U	360	71	85	6.9	15	28	9	5 U	5 U
	12/30/2002		1.2 J	10 U	130	110 U	1.7 J	10 U	190	35	50	56	7.2 J	13	12	10 U	2.7 J
MW-15D	01/16/2002		1 U	1 U	1 U	1 U	8	1 U	6.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	04/17/2002		1.1	1 U	1 U	2 U	1.6	1 U	6.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	07/25/2002		1 U	1 U	1 U	2 U	1.9	1 U	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	10/22/2002		1.2	1 U	3.8	4.9	2.4	1 U	6.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
	01/08/2003		1.3	1 U	7.7	2.3	2.4	1 U	11	1 U	1	2	0.52	1.1	1 U	1 U	5 U
MW-15S	01/16/2002		1 U	1 U	1 U	1 U	1.1	1 U	2.7	1 U	1 U	8.6	1.4	2.9	1 U	1 U	1 U
	04/17/2002		1 U	1 U	1 U	2 U	1.1	1 U	2.9	1 U	1 U	3	2.9	4	1 U	1 U	12
	07/24/2002		1 U	1 U	1 U	2 U	1.2	1 U	4.4	1 U	1 U	3	1.3	2.8	1 U	1 U	1 U
	10/23/2002		1 U	1 U	1 U	2 u	1.5	1 U	13	1.3	2.5	2.8	3.6	9.7	1 U	1 U	1 U
	01/08/2003		0.53	1 U	6	2 U	1.3	1 U	22	2.9	6.3	14	0.5 U	1 U	6.9	1 U	5 U
MW-16	01/17/2002		2 U	2 U	2 U	2 U	2 U	2 U	31	11	100	39	2 U	2 U	8.3	2 U	2 U
	04/18/2002		2 U	2 U	2 U	4 U	2 U	2 U	37	10	110	90	2 U	2 U	6.5	2 U	2 U
	07/26/2002		5 U	5 U	5 U	10 U	5 U	5 U	47	22	220	35	5 U	5 U	27	5.5	5 U
	10/24/2002		2 U	2 U	2 U	4 u	2 U	2 U	25	16	120	13	2 U	2 U	20	4.2	2 U
	01/09/2003		0.5 U	1 U	1 U	2 U	1.8	1 U	20	11	75	8.1	0.5 U	1 U	14	2.7	5 U

Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2003
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene (1)	Toluene (150)	Ethyl-benzene (700)	Xylenes, Total (1,750)	PCE (5)	1,1,1-TCA (200)	TCE (5)	1,1-DCE (6)	1,1-DCA (5)	1,2-DCA (0.5)	CCl4 (0.5)	CFM (100)	cis-1,2-DCE (6)	trans-1,2-DCE (10)	MCL (5)

Notes:

PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCE = Dichloroethene; DCA = Dichloroethane; CFM = Chloroform; MCL = Methylene chloride; and CCl4 = Carbon tetrachloride.

California Maximum Contaminant Levels (MCLs) are shown in parenthesis. MCL shown for chloroform is the sum of trihalomethane isomers

Samples analyzed by EPA Method 8260.
All concentrations are reported in micrograms per liter (ug/L).
Only compounds detected in one or more samples are listed.
E = Indicates that the reported concentration is above the calibration range for the instrument. Concentration reported is an estimate only.
J = Indicates detected concentration is below analytical calibration curve, and is below the official reporting limit. Concentration reported is an estimate only.
RL-3 = Reporting Limit elevated due to interference from other analytes.
U = Not detected at a concentration greater than the reporting limit shown.

Sample Type:
K = Split sample

Table 6-2
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2003
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Cadmium (0.005)	Chromium (0.05)	Cr (+6)	Copper (1.3)
MW-01D	01/15/2002		7.5	0.005 U	0.01 U	0.002 U	0.025 U
	04/16/2002		7.5	0.005 U	0.01 U	0.002 U	0.025 U
	07/24/2002		7.5	0.005 U	0.01 U	0.005	0.025 U
	10/22/2002		7.4	0.005 U	0.01 U	0.001 U	0.025 U
	01/08/2003		7.29	0.005 U	0.0015 J	0.001 U	0.022
MW-01S	01/15/2002		7.1	0.005 U	0.01 U	0.02 U	0.025 U
	04/16/2002		7.1	0.005 U	0.01 U	0.002 U	0.025 U
	07/24/2002		7	0.005 U	0.01 U	0.0018	0.025 U
	10/22/2002		6.9	0.005 U	0.01 U	0.001 U	0.025 U
	01/08/2003		6.78	0.005 U	0.0024 J	0.001 U	0.01 U
MW-03	01/16/2002		7.2	0.005 U	0.01 U	0.002 U	0.025 U
	04/16/2002		7.1	0.005 U	0.01 U	0.002 U	0.025 U
	07/24/2002		7.1	0.005 U	0.01 U	0.001 U	0.025 U
	10/22/2002		7.2	0.005 U	0.01 U	0.001 U	0.025 U
	01/08/2003		6.98	0.005 U	0.005 U	0.001 U	0.01
MW-04	01/17/2002		6.7	0.41	24.4	18	0.05 U
		K	6.9	0.35	18.9	18	0.025 U
	04/18/2002		6.8	0.44	27.4	31	0.05 U
		K	6.8	0.43	26.3	31	0.05 U
	07/25/2002		6.7	0.5	32.7	25.1	0.12 U
		K	6.7	0.49	29.8	30.5	0.12 U
	10/23/2002		6.7	0.6	29	32.6	0.12 U
		K	6.7	0.63	30.6	30.3	0.12 U
	12/30/2002		7.39	0.26	9.2	11	0.02 RL-3
		K	6.71	0.25	9.4	9.4	0.02 RL-3
MW-04A	01/16/2002		5.9	0.005 U	0.01 U	0.0052	0.025 U
	04/17/2002		7.3	0.005 U	0.01 U	0.0068	0.025 U
	07/25/2002		7.6	0.005 U	0.01 U	0.0062	0.025 U
	10/23/2002		7.3	0.005 U	0.01 U	0.0061	0.025 U
	01/09/2003		7.29	0.005 U	0.0089	0.0058	0.023
MW-06B	01/16/2002		7.4	0.005 U	0.01 U	0.0051	0.025 U
	04/17/2002		7.4	0.005 U	0.01 U	0.0066	0.025 U
	07/25/2002		7.4	0.005 U	0.01 U	0.0036	0.025 U
	10/23/2002		7.3	0.005 U	0.01 U	0.001 U	0.025 U
	01/09/2003		7.18	0.005 U	0.0097	0.0068	0.01 U
MW-06D	01/16/2002		7.4	0.005 U	0.01 U	0.002 U	0.025 U
	04/17/2002		7.5	0.005 U	0.01 U	0.0027	0.025 U
	07/25/2002		7.4	0.005 U	0.01 U	0.0015	0.025 U
	10/23/2002		7.4	0.005 U	0.01 U	0.0025	0.043

Table 6-2
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2003
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Cadmium (0.005)	Chromium (0.05)	Cr (+6)	Copper (1.3)
MW-06D	01/08/2003		7.41	0.005 U	0.002 J	0.0018	0.012
MW-07	01/17/2002		7.2	0.005 U	0.01 U	0.002 U	0.034
	04/18/2002		7.1	0.005 U	0.01 U	0.002 U	0.057
	07/26/2002		6.9	0.005 U	0.01 U	0.001 U	0.025 U
	10/23/2002		7.5	0.005 U	0.01 U	0.001 U	0.025 U
	12/30/2002		7.45	0.005 U	0.005 U	0.001 U	0.01 U
MW-09	01/17/2002		7.1	0.005 U	0.16	0.28	0.025 U
		K	7.1	0.005 U	0.15	0.23	0.025 U
	04/18/2002		7.1	0.005 U	0.16	0.14	0.025 U
		K	7.1	0.005 U	0.15	0.14	0.025 U
	07/26/2002		6.7	0.005 U	9.1	10	0.025 U
		K	6.7	0.005 U	9.3	10.2	0.025 U
	10/24/2002		6.5	0.005 U	4.5	4.3	0.025 U
		K	6.5	0.005 U	4.8	4.4	0.025 U
	01/09/2003		6.63	0.005 U	9.6	9.5	0.01 U
		K	6.65	0.005 U	9.7	9.5	0.01 U
MW-11	01/17/2002		7.1	0.005 U	0.01 U	0.002 U	0.025 U
	04/18/2002		6.8	0.005 U	0.01 U	0.002 U	0.025 U
	07/26/2002		6.7	0.005 U	0.01 U	0.001 U	0.025 U
	10/24/2002		7.1	0.005 U	0.01 U	0.001 U	0.025 U
	12/30/2002		7.03	0.005 U	0.005 U	0.001 U	0.01 U
MW-14S	01/16/2002		7.4	0.005 U	0.01 U	0.002 U	0.025 U
	04/17/2002		7.2	0.005 U	0.043	0.035	0.029
	07/25/2002		7.3	0.005 U	0.065	0.017	0.031
	10/23/2002		7	0.0074	0.42	0.42	0.04
	12/30/2002		7.09	0.005 U	0.014	0.0042	0.042
MW-15D	01/16/2002		7.6	0.005 U	0.01 U	0.0081	0.025 U
	04/17/2002		7.5	0.005 U	0.01 U	0.002 U	0.025 U
	07/25/2002		7.6	0.005 U	0.01 U	0.0047	0.025 U
	10/22/2002		7.5	0.005 U	0.01 U	0.0016	0.025 U
	01/08/2003		7.52	0.005 U	0.0031 J	0.001 U	0.017
MW-15S	01/16/2002		7.5	0.005 U	0.011	0.0091	0.025 U
	04/17/2002		7.4	0.005 U	0.01 U	0.01	0.025 U
	07/24/2002		7.4	0.005 U	0.01 U	0.006	0.025 U
	10/23/2002		7.4	0.005 U	0.01 U	0.0035	0.025 U
	01/08/2003		7.22	0.0053	0.0042 J	0.0042	0.01 U
MW-16	01/17/2002		7.2	0.005 U	0.11	0.096	0.025 U
	04/18/2002		7.1	0.005 U	0.012	0.002 U	0.025 U
	07/26/2002		7	0.005 U	0.01 U	0.001 U	0.025 U

Table 6-2
Phibro-Tech, Inc.
Groundwater Analytical Results - January 2003
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Cadmium (0.005)	Chromium (0.05)	Cr (+6)	Copper (1.3)
MW-16	10/24/2002		6.9	0.005 U	0.01 U	0.0051	0.025 U
	01/09/2003		6.84	0.005 U	0.0057	0.0043	0.01

Notes:
California Maximum Contaminant Levels (MCLs) are shown in parenthesis. Secondary MCL is shown for copper.

All concentrations are reported in milligrams per liter (mg/L).
Metals analyzed by EPA Method 6010B, except for Cr (+6), which was analyzed by EPA Method 7199.
pH analyzed by EPA Method 9040B.
U = Not detected at a concentration greater than the reporting limit shownE = Indicates that the reported concentration is above the calibration range for the instrument. Concentration reported is an estimate only.
J = Indicates detected concentration is below analytical calibration curve, and is below the official reporting limit. Concentration reported is an estimate only.
RL-3 = Reporting Limit elevated due to interference from other analytes.
Analyte not analyzed or not reported if left blank.

Sample Type:
K = Split sample

7

Section Seven

Section 7
Statistical Evaluation

The following subsections contain a statistical treatment of the monitoring data designed to determine if on-site wells have been impacted by metals, BTEX compounds (benzene, toluene, ethylbenzene, xylenes) or TCE (trichloroethene). The statistical evaluation was performed using the Compliance and Remediation Statistics (CARStat) software. A detailed explanation of the software and statistical methods used is presented in Gibbons (1994). The statistical methods used are in compliance with applicable California Code of Regulations (Title 22, Division 4.5, Chapter 14, Article 6, Section 66264.97 [General Water Quality Monitoring and System Requirements]).

7.1 Determination of Background Prediction Interval

Overview

The prediction interval is a method that is typically used in compliance monitoring to compare on-site or downgradient monitoring well analytical data to upgradient or background monitoring well data. The prediction interval represents the range for which the next measurement will be contained at a specified confidence level. For instance, an upper prediction limit (UPL) with 95 percent coverage and a 95 percent confidence level represents a value which, with 95 percent confidence, any new measurement in the background well will be exceeded less than 5 percent of the time.

For this evaluation, CDM has calculated UPLs for the background well (MW-1S) and compared this value to each individual on-site analytical result using a confidence level and coverage of 95 percent. When on-site wells exceed the background UPL consistently, it suggests that a significant difference from background may exist.

Results

The statistical evaluation results are presented in Appendix F. Appendix F-1 includes all of the tabular data output from the CARStat evaluation. Table 1 lists the background data from monitoring well MW-1S that were used to calculate the UPLs. Table 2 lists the current on-site data (from the October 2002 monitoring event). The frequencies of detection for each parameter in the background well and on-site wells is provided in Table 3. Table 4 lists the background well distribution results, based on the Shapiro-Wilk test for normality. In all cases except for TCE, the low detection frequencies required the use of the nonparametric prediction limit (a normal prediction limit was used for TCE). Table 5 presents background well summary statistics, including the prediction limit and associated confidence level. A UPL calculation sheet for each compound is presented in Appendix F-2.

7.2 Comparison of Background and On-site Wells

Overview

The on-site monitoring well data were compared to the UPL for each compound. All historical and current on-site analytical data are compared to the background UPL in verification resampling mode. Verification resampling means that a compound in on-site monitoring well exceeds background if it is higher than the UPL for two consecutive monitoring events. Constituent-location combinations that failed the current statistical evaluation or need to be verified are highlighted by the statistical program.

Results

The results of the UPL tests are included in Appendixes F-1 through F-3. Table 6 inAppendix F-1 lists the constituent-location combinations that failed the current evaluation. Appendix F-3 shows concentration versus time charts for each constituent and on-site well location. All data are shown on the concentration versus time charts and the exceedances are flagged on the individual charts.

A summary of the statistical evaluation is presented in Table 7-1. Exceedances were observed for MW-3 (ethylbenzene, total xlyenes, and TCE), MW-4 (hexavalent chromium, total chromium, cadmium, ethylbenzene, total xlyenes, and TCE), MW-9 (hexavalent chromium, total chromium, and TCE), MW-11 (ethylbenzene and TCE), MW-14S (hexavalent chromium, total chromium, cadmium, ethylbenzene, and TCE), MW-15D (benzene and total xylenes), and MW-16 (TCE). These results are very similar to those presented in previous monitoring reports, even though a different statistical evaluation was used. However, unlike previous statistical evaluations, only those compounds actually detected above the prediction limits were identified as an exceedance. The compounds with detection limits (for non-detects) that were higher than the background UPL were not flagged as an exceedance.

Table 7-1 Comparison of Background and On-Site Wells Quarterly Data: January 1989 to January 2003 at Phibro-Tech, Inc.

Parameter	MW-1D	MW-3	MW-4	MW-4A	MW-6B	MW-7	MW-9	MW-11	MW-14S	MW-15S	MW-15D	MW-16
Metals (mg/L)												
Hexavalent chromium [1]			*				*					
Total chromium [1]			*				*					
Cadmium [1]			*							*		
Copper [1]												
Aromatics (μg/L)												
Benzene [1]	*	*	*							*	*	
Toluene [1]												
Ethylbenzene [1]			*					*	*	*	*	
Total xylenes [1]			*									
Halocarbons (μg/L)												
Trichloroethene [2]		*	*	*			*	*	*			

[1] Background to onsite using nonparametric prediction limit

[2] Background to onsite comparison using the normal prediction limit

* Significantly increased over background

No exceedance observed

8 Section Eight

Section 8
Assessment of Quarterly Groundwater Monitoring Program Status

In the October 1990 groundwater monitoring report, changes in the quarterly groundwater-sampling program were proposed. These changes were first implemented during the April 1991 sampling event and included reducing the number of wells sampled and parameters analyzed in each well. The current groundwater-sampling program will only be used as an interim program, until the Site conceptual model has been completed and the drat sampling and analysis plan finalized). Based on over 17 years of quarterly monitoring at the site, off-site migration of the soluble metals plume has not been observed.

The analytical parameters for the January 2003 quarterly monitoring were as follows:

Wells	Volatile Organic Compounds (EPA 8260)	Chromium, Cadmium, Copper	Hexavalent Chromium	pH
MW-01S, MW-01D	X, X	X, X	X, X	X, X
MW-03, MW-04A	X, X	X, X	X, X	X, X
MW-11, MW-06B	X, X	X, X	X, X	X, X
MW-06D, MW-07	X, X	X, X	X, X	X, X
MW-09, MW-04	X, X	X, X	X, X	X, X
MW-14S, MW-15S	X, X	X, X	X, X	X, X
MW-15D, MW-16	X, X	X, X	X, X	X, X

Beginning with the January 1997 sampling event, EPA Method 8010/8020 was replaced with EPA Method 8260. This change was requested by the analytical laboratory, which no longer performs 8010/8020 analysis. Methyl tertiary butyl ether (MTBE) analysis was performed once, in January 1997. Since there were no detections of MTBE in any of the groundwater samples, this analysis was discontinued. Starting with the October 2000 sampling event, the analytical method for hexavalent chromium was changed from EPA Method 7196 to 7199. DTSC requested that six selected wells be analyzed for 1,4-Dioxane in July 2001 and October 2001. After these two events, 1,4-Dioxane analysis was discontinued. In late 2002, DTSC requested that PTI perform Appendix IX sampling and analysis on an annual basis from selected wells. PTI subsequently sampled the four proposed Pond 1 monitoring wells (MW-04, MW-07, MW-11, and MW-14S) for full Appendix IX suite on December 30, 2002 and the Appendix IX results were presented in the October 2002 quarterly report submitted February 28, 2003.

Statistical analysis was historically conducted annually. Beginning with the October 1993 sampling event, statistical analysis has been performed on a quarterly basis, as requested by DTSC.

During 2000, three sampling events were performed (January, April and October). Sampling and reporting frequency was changed from quarterly to semi-annual after the April 2000 sampling event. However, quarterly groundwater monitoring resumed in April 2001 at the request of DTSC. The next quarterly event will occur in April 2003. During the next event, 14 on-site wells will be sampled and analyzed for volatile organics using EPA Method 8260, chromium, cadmium, copper, hexavalent chromium, and pH. The water levels at the 14 wells sampled, in addition to the remaining unsampled wells (with the exception of MW-02), will also be measured.

9

Section Nine

Section 9
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Appendix A

Appendix A
General Analytical Detection Limits

TABLE A-1

PHIBRO-TECH, INC.

HEAVY METALS AND INORGANICS ANALYSIS

Typical Detection Limits

Method	Parameter	Detection Limit	Units
EPA 6010-L	Antimony	0.06	mg/L
EPA 6010-L	Barium	0.01	mg/L
EPA 6010-L	Beryllium	0.002	mg/L
EPA 6010-L	Cadmium	0.005	mg/L
EPA 6010-L	Chromium	0.01	mg/L
EPA 6010-L	Cobalt	0.01	mg/L
EPA 6010-L	Copper	0.02	mg/L
EPA 6010-L	Lead	0.05	mg/L
EPA 6010-L	Molybdenum	0.02	mg/L
EPA 6010-L	Nickel	0.04	mg/L
EPA 6010-L	Silver	0.01	mg/L
EPA 6010-L	Thallium	0.5	mg/L
EPA 6010-L	Tin	0.1	mg/L
EPA 6010-L	Vanadium	0.01	mg/L
EPA 6010-L	Zinc	0.02	mg/L
EPA 7199	Chromium, Hexavalent	0.001	mg/L
EPA 7061-L	Arsenic	0.005	mg/L
EPA 9012	Cyanide, Total	0.01	mg/L
EPA 7470	Mercury	0.001	mg/L
EPA 300.0	Chloride	5	mg/L
EPA 300.0	Nitrate	0.2	mg/L
EPA 7741-L	Selenium	0.1	mg/L
EPA 376.2	Sulfide, as Sulfur	1.2	mg/L

TABLE A-2

PHIBRO-TECH, INC.

VOLATILE ORGANIC COMPOUNDS

Typical Detection Limits

Method Number	Analytical Parameter	Detection Limit	Units
EPA 8260	Benzene	0.5	µg/L
EPA 8260	Toluene	1.0	µg/L
EPA 8260	Ethylbenzene	1.0	µg/L
EPA 8260	Xylenes, Total	1.0	µg/L
EPA 8260	Chloromethane	1.0	µg/L
EPA 8260	Bromomethane	1.0	µg/L
EPA 8260	Vinyl Chloride	1.0	µg/L
EPA 8260	Chloroethane	1.0	µg/L
EPA 8260	Methylene Chloride	1.0	µg/L
EPA 8260	Trichlorofluoromethane	1.0	µg/L
EPA 8260	1,1-Dichloroethene	1.0	µg/L
EPA 8260	1,1-Dichloroethane	1.0	µg/L
EPA 8260	trans-1,2-Dichloroethene	1.0	µg/L
EPA 8260	Chloroform	1.0	µg/L
EPA 8260	1,2-Dichloroethane	1.0	µg/L
EPA 8260	1,1,1-Trichloroethane	1.0	µg/L
EPA 8260	Carbon Tetrachloride	1.0	µg/L
EPA 8260	Bromodichloromethane	1.0	µg/L
EPA 8260	1,2-Dichloropropane	1.0	µg/L
EPA 8260	trans-1,3-Dichloropropene	1.0	µg/L
EPA 8260	Trichloroethene	1.0	µg/L
EPA 8260	Dibromochloromethane	1.0	µg/L
EPA 8260	1,1,2-Trichloroethane	1.0	µg/L
EPA 8260	cis-1,3-Dichloropropene	1.0	µg/L
EPA 8260	2-Chloroethylvinyl ether	1.0	µg/L
EPA 8260	Bromoform	1.0	µg/L
EPA 8260	Tetrachloroethene	1.0	µg/L
EPA 8260	1,1,2,2-Tetrachloroethane	1.0	µg/L
EPA 8260	Chlorobenzene	1.0	µg/L
EPA 8260	1,2-Dichlorobenzene	1.0	µg/L
EPA 8260	1,3-Dichlorobenzene	1.0	µg/L
EPA 8260	1,4-Dichlorobenzene	1.0	µg/L

Appendix B

Appendix B
Historical Sampling Results

CDM

Shallow Wells
PHIBRO-TECH, INC.
Historical Results
January 1989 to July 2001

		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 1S										
Jan-89	96.74	ND < 0.01	0.014	ND < 0.003	ND < 0.009	ND < 0.01	ND < 0.0	ND < 0.0	ND < 0.0	19
Apr-89	100.45	ND < 0.05	0.1	ND < 0.01	ND < 0.02	ND < 0.7	ND < 1.0	ND < 1.0	3.0	23
Jul-89	99.00	ND < 0.05	0.06	0.01	0.03	ND < 0.7	ND < 1.0	ND < 1.0	ND < 1.0	13
Oct-89	96.76	ND < 0.05	ND < 0.02	ND < 0.01	ND < 0.05	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	12
Jan-90	97.73	ND < 0.02	ND < 0.01	ND < 0.01	ND < 0.02	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	16
Apr-90	99.30	ND < 0.02	0.02	ND < 0.0050	0.02	ND < 2.5	ND < 2.5	ND < 2.5	ND < 5.0	20
Jul-90	100.83	ND < 0.02	ND < 0.01	ND < 0.01	0.03	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	18
Oct-90	99.81	ND < 0.02	ND < 0.01	ND < 0.0050	0.023	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	18
Jan-91	99.19	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	26
Apr-91	101.95	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	22
Jul-91	102.94	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	17
Oct-91	102.33	ND < 0.02	0.01	ND < 0.0050	0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	14
Jan-92	104.60	0.10	0.0081	ND < 0.0027	0.04	ND < 1	1.5	1.2	4.3	13
Apr-92	107.28	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	9.9
Jul-92	107.87	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	10
Oct-92	105.53	ND < 0.02	ND < 0.01	ND < 0.0050	0.035	0.95	ND < 1.0	ND < 1.0	ND < 1.0	11
Jan-93	109.82	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	2.2	1.3	5.6	9.2
Apr-93	116.01	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	5.7
Jul-93	116.59	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	1.7	1.7	4.0	11
Oct-93	116.50	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	2.2	4.3	14
Jan-94	116.60	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	9.3
Apr-94	117.10	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	14
Jul-94	117.80	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	7.9
Oct-94	112.23	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	5.8	13
Jan-95	113.59	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	5.2
Apr-95	118.78	ND < 0.02	0.0029	ND < 0.01	ND < 0.02	ND < 0.5	ND < 1.0	1.3	1.0	4.4
Jul-95	120.06	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	1.2	3.5	6.1	6.2
Oct-95	116.48	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	1.7	3.9	15
Jan-96	114.84	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	1.7	5.1	8.4
Apr-96	118.03	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	3.4	4.9	2.9
Jul-96	117.42	ND < 0.01	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	2.2	3.7	9.7
Oct-96	113.85	ND < 0.01	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	2.1	2.8	16
Jan-97	115.73	ND < 0.02	ND < 0.01	ND < 0.0050	0.022	ND < 0.5	ND < 1.0	ND < 1.0	2.0	6.0
Apr-97	118.21	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	1.4	1.2	15
Jul-97	118.18	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	14
Oct-97	114.82	ND < 0.02	ND < 0.01	ND < 0.0050	0.023	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	12
Jan-98	113.23	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	12
Apr-98	118.16	ND < 0.02	ND < 0.01	ND < 0.0050	0.021	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	14
Jul-98	119.12	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	14
Oct-98	116.57	ND < 0.02	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	7.8
Jan-99	113.94	ND < 0.01	ND < 0.01	ND < 0.0050	ND < 0.02	ND < 0.5	ND < 1.0	2.0	ND < 1.0	10
Apr-99	114.01	ND < 0.025	ND < 0.01	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 2.0	7.2
Jul-99	113.62	ND < 0.020	ND < 0.010	ND < 0.0050	0.052	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	9.1
Oct-99	106.70	ND < 0.010	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 2.0	9.1
Jan-00	102.73	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	9.9
Apr-00	108.83	ND < 0.010	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	16
Oct-00	109.09	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	8.9
Apr-01	103.53	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Shallow Wells
PHIBRO-TECH, INC.
Historical Results
January 1989 to July 2001

		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 3										
Jan-89	95.02	ND < 0.01	0.014	0.003	ND < 0.009	7.4	17.0	4900.0	1500.0	74
Apr-89	99.29	ND < 0.5	0.07	ND < 0.01	ND < 0.02	ND < 50	ND < 50.0	1200.0	60.0	110
Jul-89	98.21	ND < 0.5	0.06	ND < 0.01	ND < 0.02	ND < 7	ND < 10.0	ND < 10.0	ND < 10.0	120
Oct-89	94.75	ND < 0.5	ND < 0.02	ND < 0.01	ND < 0.05	ND < 50	ND < 100.0	1600.0	150.0	ND < 100
Jan-90	95.98	ND < 0.02	ND < 0.01	ND < 0.01	ND < 0.02	ND < 5	ND < 5.0	110.0	ND < 10.0	65
Apr-90	97.72	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 50	ND < 50.0	2100.0	720.0	74
Jul-90	99.27	ND < 0.02	ND < 0.01	ND < 0.01	ND < 0.02	ND < 5	ND < 5.0	ND < 5.0	ND < 10.0	130
Oct-90	97.29	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	9	2.0	ND < 1.0	ND < 1.0	130
Jan-91	97.69	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	38
Apr-91	99.81	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	27
Jul-91	101.63	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	28
Oct-91	100.99	ND < 0.02	ND < 0.01	ND < 0.005	0.03	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	71
Jan-92	103.44	ND < 0.5	0.0081	ND < 0.0027	0.02	ND < 1	ND < 1.0	ND < 1.0	4.0	76
Apr-92	106.04	ND < 0.02	ND < 0.02	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 5.0	25
Jul-92	106.61	ND < 0.02	ND < 0.02	ND < 0.005	0.13	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	76
Oct-92	103.93	ND < 0.02	ND < 0.02	ND < 0.005	0.038	0.52	ND < 1.0	ND < 1.0	ND < 1.0	130
Jan-93	107.28	ND < 0.02	ND < 0.01	ND < 0.005	0.096	ND < 2.5	ND < 5.0	ND < 5.0	ND < 5.0	84
Apr-93	115.17	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	12
Jul-93	115.92	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	3.3	2.6	5.9	16
Oct-93	115.67	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	2.6	4.8	17
Jan-94	115.59	ND<0.02/0.4**	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	10
Apr-94	116.33	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	15
Jul-94	116.91	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	26
Oct-94	110.85	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	1.2	3.5	1.5	12.0	76
Jan-95	111.83	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	72
Apr-95	117.83	ND < 0.02	0.0023	ND < 0.001	ND < 0.02	ND < 0.5	ND < 1.0	1.3	ND < 1.0	57
Jul-95	119.20	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	2.0	5.2	8.8	9.5
Oct-95	115.45	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	1.7	3.3	30
Jan-96	113.41	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	5.1	26
Apr-96	116.73	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	2.6	3.6	46
Jul-96	116.33	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.8	9.0	12.0	17
Oct-96	112.45	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	5.4	6.2	21
Jan-97	114.19	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	2.6	1.1	4.2	28
Apr-97	117.13	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	4.3	2.1	3.0	13
Jul-97	117.18	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	2.5	3.7	13
Oct-97	113.60	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	0.57	ND < 1.0	1.7	1.2	24
Jan-98	111.68	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	1.3	ND < 1.0	25
Apr-98	116.82	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	18
Jul-98	118.02	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	25
Oct-98	115.40	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	24
Jan-99	112.48	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	2.3	ND < 1.0	26
Apr-99	112.49	ND < 0.025	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1.0	ND < 1.0	1.1	ND < 2.0	21
Jul-99	112.31	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	1.3	ND < 1.0	43
Oct-99	104.42	ND < 0.010	#REF!	#REF!	#REF!	ND < 5.0	ND < 5.0	200	ND < 10	#REF!
Jan-00	100.50	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 2.5	ND < 2.5	54	70	170
Apr-00	107.20	ND < 0.010	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 2.5	ND < 2.5	65	2.5	170
Oct-00	107.46	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	2	ND < 1.0	43
Apr-01	101.66	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

** Hexavalent chromium sample or result for MW03 likely switched with MW30 (duplicate of MW04).

Shallow Wells
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		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 4										
Jan-89	95.21	33.0	400.0	0.028	ND < 0.009	ND < 0.5	10.0	15.0	29.0	120
Apr-89	99.19	43.0	100.0	0.05	0.02	ND < 5	23.0	15.0	50.0	280
Jul-89	98.19	120.0	98.0	0.08	0.06	ND < 14	ND < 20.0	140.0	40.0	290
Oct-89	94.92	110.0	120.0	0.07	ND < 0.05	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	250
Jan-90	95.87	109.0	95.1	0.12	ND < 0.02	ND < 12	ND < 12.0	ND < 12.0	ND < 25.0	220
Apr-90	97.50	81.7	80.7	0.13	0.02	ND < 10	ND < 10.0	ND < 10.0	ND < 20.0	280
Jul-90	99.20	100.0	101.0	0.35	ND < 0.02	ND < 50	ND < 50.0	1600.0	170.0	320
Oct-90	98.33	58.9	48.4	0.23	0.022	ND < 0.5	17.0	230.0	650.0	250
Jan-91	97.68	49.4	65.3	0.26	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	1200.0	180
Apr-91	100.50	23.8	18.4	0.076	ND < 0.02	ND < 0.5	ND < 1.0	730.0	ND < 1.0	170
Jul-91	101.47	39.1	78.5	0.61	ND < 0.02	ND < 0.5	16000.0	6700.0	18000	190
Oct-91	100.91	42.0	40.8	0.21	ND < 0.01	ND < 0.5	6900.0	4100.0	10000	ND < 400
Jan-92	103.33	41.0	34.0	0.47	0.045	ND < 250	18,000	10,000	17,200	ND < 250
Apr-92	105.94	32.2	29.2	0.84	0.053	6.7	7.2	960.0	1010.0	280
Jul-92	106.5	79.9	59.7	0.86	ND < 0.02	ND < 5	ND < 10.0	200.0	280.0	280
Oct-92	103.92	21.6	27.1	0.32	ND < 0.02	71	ND < 10.0	1300.0	230.0	230
Jan-93	107.13	16.4	27.4	0.28	ND < 0.02	ND < 130	10000.0	10000	19000	ND < 250
Apr-93	115	1.8	2.2	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	88.0	13.0	25
Jul-93	115.52	21.0	23.2	0.2	0.056	0.6	2.0	1.8	11.0	100
Oct-93	115.76	* 35.5/99.2	80.3	0.71	ND < 0.2	1.3	ND < 1.0	ND < 1.0	40.0	290
Jan-94	115.42	0.36	36.0	0.23	ND < 0.02	0.81	ND < 1.0	8.3	14.0	130
Apr-94	116.20	26.9	26.4	0.33	ND < 0.02	ND < 0.5	ND < 1.0	4.0	6.5	190
Jul-94	116.76	59.0	41.4	0.20	0.038	0.58	ND < 1.0	ND < 1.0	4.2	340
Oct-94	110.86	60.7	52.8	0.45	ND < 0.02	ND < 5	ND < 10.0	270.0	39.0	390
Jan-95	111.88	28.8	34.3	0.13	0.026	ND < 5	ND < 10.0	350.0	130.0	190
Apr-95	117.69	8.6	9.1	0.21	0.052	ND < 100	1600.0	1700.0	2900.0	67
Jul-95	119.05	* 28.1/20.8	29.6	0.27	*.10/ND < 0.02	ND < 10	* 270/410	* 260/380	* 890/1300	90
Oct-95	115.35	**30.8	28.9	0.38	ND < 0.02	ND < 2.5	ND < 5.0	75.0	21.0	150
Jan-96	113.37	25.7	32.4	0.19	ND < 0.02	ND < 50	100.0	2100.0	1400.0	160
Apr-96	116.65	* 32.2/24.6	38.0	0.60	ND < 0.02	ND < 25	680.0	1300.0	1400.0	130
Jul-96	116.17	50	58.9	0.28	ND < 0.02	ND < 50	ND < 100.0	1000.0	270.0	140
Oct-96	112.38	63.8	75.7	0.46	ND < 0.04	ND < 50	380.0	1100.0	1900.0	310
Jan-97	114.07	*45.9/34.9	34.5	0.54	0.02	ND < 6.2	ND < 12.0	1100.0	ND < 12.0	330
Apr-97	116.96	27.3	18.8	0.53	ND < 0.02	ND < 12	35.0	1300.0	620.0	150
Jul-97	117.04	36.0	35.2	0.62	ND < 0.02	ND < 5	ND < 10.0	810.0	110.0	150
Oct-97	113.46	73.8	85.3	0.64	ND < 0.08	ND < 5	ND < 10.0	460.0	31.0	230
Jan-98	111.66	39.2	44.0	0.53	ND < 0.02	ND < 5	ND < 10.0	530.0	420.0	180
Apr-98	116.69	7.2	14.1	0.43	ND < 0.02	2.9	ND < 5.0	320.0	ND < 5.0	92
Jul-98	117.95	16.3	18.9	0.32	ND < 0.02	ND < 12	ND < 25.0	1200.0	300.0	120
Oct-98	115.31	34.1	36.2	0.44	0.030	ND < 6.2	ND < 12.0	740.0	240.0	120
Jan-99	112.41	78.6	85.2	0.58	ND < 0.04	ND < 5	ND < 10	520.0	31.0	260
Apr-99	112.43	*0.57/4.6	42.8	0.41	ND < 0.05	3.5	ND < 2.5	220	9.9	190
Jul-99	112.33	41.1	49.7	0.42	ND < 0.050	ND < 10	ND < 10	670	67	140
Oct-99	104.49	58.2	105	0.59	ND < 0.075	ND < 5.0	ND < 5.0	92	11	210
Jan-00	100.66	76.3	60.0	0.32	ND < 0.050	5.1	ND < 2.5	ND < 2.5	6.0	160
Apr-00	**107.01**	**32.9**	**39.3**	**0.55**	**ND < 0.050**	**ND < 5.0**	**ND < 5.0**	**46**	**8.6**	**240**
Oct-00	**107.42**	**45.6**	**42.1**	**0.52**	**ND < 0.050**	**ND < 50**	**2500**	**2500**	**ND < 50**	**170**
Apr-01	101.56	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

* 35.5/99.2 = original sample/duplicate sample (both results presented because duplicate result deviation is >20%)

** Analyzed after holding time had expired.

Shallow Wells
PHIBRO-TECH, INC.
Historical Results
January 1989 to July 2001

		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 6B										
Jan-89	95.12	ND < 0.01	ND < 0.014	ND < 0.003	ND < 0.009	ND < 0.01	ND < 0.0	ND < 0.0	ND < 0.0	57
Apr-89	99.11	ND < 0.05	0.06	ND < 0.01	ND < 0.02	ND < 0.7	ND < 1.0	ND < 1.0	ND < 1.0	37
Jul-89	98.39	ND < 0.05	0.04	ND < 0.01	ND < 0.02	ND < 0.7	ND < 1.0	ND < 1.0	ND < 1.0	29
Oct-89	95.35	ND < 0.05	ND < 0.02	ND < 0.01	ND < 0.05	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	29
Jan-90	96.1	ND < 0.02	ND < 0.01	ND < 0.01	ND < 0.02	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	46
Apr-90	97.76	ND < 0.02	0.02	ND < 0.005	ND < 0.02	ND < 2.5	ND < 2.5	ND < 2.5	ND < 5.0	61
Jul-90	99.28	ND < 0.02	0.02	ND < 0.01	ND < 0.02	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	51
Oct-90	98.45	ND < 0.02	0.012	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	52
Jan-91	97.87	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	59
Apr-92	105.86	ND < 0.02	0.014	ND < 0.005	ND < 0.02	ND < 0.5	ND < 0.5	1.1	0.8	19
Jul-92	106.57	ND < 0.02	0.019	ND < 0.005	0.054	ND < 0.5	ND < 0.5	ND < 1.0	ND < 1.0	10
Oct-92	104.12	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	12.0	2.9	13.0	9.3
Jan-93	107.23	ND < 0.02	0.011	ND < 0.005	0.038	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	6.9
Apr-93	114.64	ND < 0.02	0.014	ND < 0.005	ND < 0.02	ND < 0.5	64.0	26.0	88.0	2.6
Jul-93	115.34	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	2.2	2.0	5.5	2.7
Oct-93	115.46	ND < 0.02	0.011	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	5.9
Jan-94	115.37	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	2.7
Apr-94	116.15	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	2.0
Jul-94	116.67	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.1	ND < 1.0	1.9	2.9
Oct-94	111.13	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.5	ND < 1.0	8.2	1.5
Jan-95	112.19	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 1	110.0	89.0	110.0	8.6
Apr-95	117.42	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.6	9.1	6.2	2.3
Jul-95	118.93	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.1	4.0	5.1	8.8
Oct-95	115.45	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	1.0	2.6
Jan-96	113.47	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 1	28.0	27.0	53.0	14
Apr-96	116.65	ND < 0.02	0.011	ND < 0.005	ND < 0.02	ND < 1	4.2	37.0	50.0	2.9
Jul-96	116.18	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	2.3	3.5	2.3
Oct-96	112.66	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.0	2.1	2.8	6.1
Jan-97	114.20	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	4.3	4.3	6.4	5.0
Apr-97	116.95	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	3.6	1.7	ND < 1.0	5.2
Jul-97	117.01	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	6.6
Oct-97	113.71	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	6.4
Jan-98	112.06	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	15.0	32.0	39.0	17.0
Apr-98	116.76	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.6	4.2	6.0	7.7
Jul-98	117.95	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	4.3
Oct-98	114.83	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	9.9
Jan-99	112.74	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	5.0	24.0	29.0	17.0
Apr-99	112.56	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1.0	19	42	33.9	31
Jul-99	112.43	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND <1.0	ND <1.0	1.2	ND < 1.0	8.2
Oct-99	105.04	ND < 0.010	#REF!	#REF!	#REF!	#REF!	#REF!	4.8	ND < 1.0	12.0
Jan-00	101.26	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND <1.0	ND <1.0	2.0	ND < 1.0	13.0
Apr-00	107.21	ND < 0.010	ND < 0.010	ND < 0.0050	ND < 0.025	ND <1.0	ND <1.0	1.1	ND < 1.0	7.0
Oct-00	107.55	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	9.2
Apr-01	101.70	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Shallow Wells
PHIBRO-TECH, INC.
Historical Results
January 1989 to July 2001

		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 7										
Jan-89	89.47	ND < 0.01	ND < 0.014	ND < 0.003	ND < 0.009	ND < 0.5	1.4	1.2	3.6	35
Apr-89	98.83	ND < 0.05	0.02	ND < 0.01	ND < 0.02	ND < 0.7	ND < 1.0	ND < 1.0	ND < 1.0	47
Jul-89	97.90	ND < 0.05	0.03	ND < 0.01	ND < 0.05	ND < 0.7	ND < 1.0	ND < 1.0	ND < 1.0	25
Oct-89	94.72	ND < 0.05	ND < 0.02	ND < 0.01	ND < 0.05	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	44
Jan-90	95.58	ND < 0.02	ND < 0.01	ND < 0.01	ND < 0.02	ND < 2.5	ND < 2.5	ND < 2.5	ND < 5.0	39
Apr-90	97.32	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 2.5	ND < 2.5	ND < 2.5	ND < 5.0	46
Jul-90	98.85	ND < 0.02	ND < 0.01	ND < 0.01	ND < 0.02	ND < 1	ND < 1.0	ND < 1.0	ND < 2.0	34
Oct-90	98.02	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	19
Jan-91	97.41	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	1.8
Apr-91	100.06	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	30
Jul-91	101.20	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	53
Oct-91	100.62	ND < 0.02	ND < 0.01	ND < 0.005	0.01	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	54
Jan-92	102.90	0.07	ND < 0.0081	ND < 0.0027	0.14	ND < 1	ND < 1.0	ND < 1.0	ND < 1.0	120
Apr-92	105.54	ND < 0.02	0.013	ND < 0.005	0.032	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	55
Jul-92	103.13	ND < 0.02	0.095	ND < 0.005	0.21	ND < 1	ND < 2.0	ND < 2.0	ND < 2.0	53
Oct-92	103.68	ND < 0.02	0.063	ND < 0.005	0.65	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	98
Jan-93	106.82	ND < 0.02	0.033	ND < 0.005	0.19	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	73
Apr-93	114.54	ND < 0.02	0.011	ND < 0.005	ND < 0.02	ND 1.2	ND < 2.5	90.0	5.6	23
Jul-93	115.14	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 5	ND < 10.0	210.0	ND < 10.0	43
Oct-93	115.23	ND < 0.2	ND < 0.01	ND < 0.005	0.02	0.82	ND < 1.0	7.2	ND < 1.0	44
Jan-94	115.08	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	1.4	ND < 1.0	33.0	ND < 1.0	53
Apr-94	115.88	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND< 2.5	ND < 5.0	200.0	ND < 5.0	96
Jul-94	116.44	ND < 0.02	ND < 0.01	ND < 0.005	0.023	0.88	ND < 1.0	7.7	1.2	140
Oct-94	110.69	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	5.1	5.5	98
Jan-95	111.59	ND < 0.02	ND < 0.01	ND < 0.005	0.026	ND < 0.5	7.0	8.7	10.0	170
Apr-95	117.24	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	1.3	ND < 1.0	26
Jul-95	118.63	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	2.1	3.4	53
Oct-95	115.08	ND < 0.02	0.014	ND < 0.005	0.079	0.74	ND < 1.0	3.8	1.4	98
Jan-96	112.98	ND < 0.02	ND < 0.01	ND < 0.005	0.043	1.0	4.2	4.9	10.0	85
Apr-96	116.39	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.3	11.0	14.0	37
Jul-96	115.83	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	1.0	ND < 1.0	1.6	2.7	87
Oct-96	112.17	ND < 0.01	ND < 0.01	ND < 0.005	0.036	0.96	ND < 1.0	1.4	1.5	150
Jan-97	113.76	ND < 0.02	ND < 0.01	ND < 0.005	0.029	ND < 0.5	ND < 1.0	1.7	2.8	95
Apr-97	116.62	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.1	1.2	ND < 1.0	63
Jul-97	116.74	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	0.56	ND < 1.0	ND < 1.0	ND < 1.0	54
Oct-97	111.27	ND < 0.02	ND < 0.01	ND < 0.005	0.025	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	85
Jan-98	111.47	ND < 0.02	0.01	ND < 0.005	0.044	ND < 0.5	2.2	5.2	6.8	97
Apr-98	116.38	ND < 0.02	0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	1.6	1.8	23
Jul-98	117.62	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	53
Oct-98	115.06	ND < 0.02	ND < 0.01	ND < 0.005	0.042	0.68	ND < 1.0	ND < 1.0	ND < 1.0	88
Jan-99	112.28	ND < 0.02	ND < 0.01	0.0056	0.05	ND < 1.2	ND < 2.5	ND < 2.5	ND < 2.5	160
Apr-99	112.11	ND < 0.01	ND < 0.01	ND < 0.005	0.042	ND < 2.0	3.0	11	6.8	80
Jul-99	112.09	ND < 0.020	ND < 0.020	ND < 0.010	0.068	ND < 1.0	ND < 1.0	1.3	ND < 1.0	65
Oct-99	104.50	ND < 0.010	#REF!	#REF!	0.071	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	130
Jan-00	100.67	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	47
Apr-00	106.84	ND < 0.010	ND < 0.010	ND < 0.0050	0.035	ND < 1.0	ND < 1.0	1.2	ND < 1.0	48
Oct-00	107.24	ND < 0.020	ND < 0.010	ND < 0.0050	0.057	ND < 2.5	ND < 2.5	ND < 2.5	ND < 2.5	110
Apr-01	101.28	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Shallow Wells
PHIBRO-TECH, INC.
Historical Results
January 1989 to July 2001

		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW-9										
Jan-89	95.55	0.45	0.33	ND < 0.003	ND < 0.009	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1.0	55
Apr-89	99.67	ND < 0.02	0.06	ND < 0.01	ND < 0.02	ND < 0.7	ND < 1.0	ND < 1.0	ND < 1.0	24
Jul-89	98.77	ND < 0.05	0.17	ND < 0.01	0.02	ND < 0.7	ND < 1.0	ND < 1.0	ND < 1.0	57
Oct-89	95.62	2.5	1.8	ND < 0.01	ND < 0.05	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	110
Jan-90	96.44	2.28	2.2	ND < 0.01	ND < 0.02	ND < 2.5	ND < 2.5	ND < 2.5	ND < 5.0	100
Apr-90	98.26	0.8	0.81	ND < 0.005	ND < 0.02	ND < 2.5	ND < 2.5	ND < 2.5	ND < 5.0	150
Jul-90	99.78	0.03	0.04	ND < 0.01	ND < 0.02	ND < 2.5	ND < 2.5	ND < 2.5	ND < 5.0	64
Oct-90	98.69	0.25	0.19	ND < 0.005	0.062	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	17
Jan-91	98.04	0.124	0.085	ND < 0.005	ND < 0.02	ND < 0.5	6.6	1.4	9.0	26
Apr-91	100.83	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	26
Jul-91	101.88	ND < 0.02	0.027	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	99.0	ND < 1.0	41
Oct-91	101.30	0.05	0.07	ND < 0.005	ND < 0.01	ND < 0.5	ND < 1.0	94.0	ND < 1.0	120
Jan-92	103.62	ND < 0.05	ND < 0.0081	ND < 0.0027	0.031	ND < 1	ND < 1.0	1220.0	92.0	45
Apr-92	106.27	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.05	2800.0	3600.0	6190.0	52
Jul-92	106.93	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.05	34000.0	7900.0	24000	ND < 1000
Oct-92	104.3	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 1000	83000.0	13000	58000	ND < 1000
Jan-93	107.56	ND < 0.02	0.057	ND < 0.005	0.053	ND < 50	400.0	3900.0	5300.0	ND < 100
Apr-93	115.26	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 50	5100.0	4000.0	9200.0	110
Jul-93	115.81	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 16	ND < 33.0	160.0	74.0	1100
Oct-93	115.79	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 2.5	ND < 5.0	120.0	45.0	390
Jan-94	115.76	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 10	48.0	290.0	220.0	230
Apr-94	116.51	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 500	17000.0	12000	32000	270
Jul-94	117.03	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 1000	56000.0	15000	40000	200
Oct-94	111.17	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 500	57000.0	11000	34000	350
Jan-95	112.25	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 250	8200.0	9800.0	2000.0	310
Apr-95	117.92	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 50	ND < 100.0	650.0	480.0	670
Jul-95	119.31	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 10	69.0	780.0	340.0	540
Oct-95	115.67	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 25	110.0	670.0	1900.0	320
Jan-96	113.73	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 50	100.0	4300.0	6100.0	500
Apr-96	117.00	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	3.3	5.5	24.0	22.0	580
Jul-96	116.49	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	4.6	ND < 2.0	42.0	4.3	570
Oct-96	112.73	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 50	ND < 100.0	2900.0	350.0	470
Jan-97	114.46	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 2.5	ND < 5.0	ND < 5.0	ND < 5.0	400
Apr-97	117.29	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 5	ND < 10.0	18.0	ND < 10.0	770
Jul-97	117.34	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 25	ND < 50.0	2500.0	860.0	850
Oct-97	113.75	ND < 0.02	0.048	ND < 0.005	ND < 0.02	ND < 25	150.0	1900.0	4800.0	ND < 50
Jan-98	112.06	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 5	ND < 10.0	690.0	260.0	270
Apr-98	117.07	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 5	ND < 10.0	23.0	ND < 10.0	390
Jul-98	118.26	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 12	ND < 25.0	73.0	ND < 25.0	1300
Oct-98	115.49	3.3	1.3	0.0075	0.34	7.4	ND < 12.0	390.0	ND < 12.0	1200
Jan-99	112.68	3.3	2.4	ND < 0.005	ND < 0.02	ND < 6.2	ND < 12.0	100.0	83.0	550
Apr-99	112.77	ND < 0.01	0.64	ND < 0.005	ND < 0.025	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	350
Jul-99	112.57	5.8	5.6	ND < 0.010	ND < 0.050	ND < 25	ND < 25	ND < 25	ND < 25	810
Oct-99	104.91	4.0	4.2	#REF!	#REF!	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	280
Jan-00	101.15	14.1	13.9	ND < 0.0050	ND < 0.025	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	170
Apr-00	107.56	ND < 0.010	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	370
Oct-00	107.81	ND < 0.020	0.014	ND < 0.0050	ND < 0.025	ND < 5.0	ND < 5.0	29.0	ND < 5.0	160
Apr-01	102.02	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Shallow Wells
PHIBRO-TECH, INC.
Historical Results
January 1989 to July 2001

		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 11										
Jan-89	95.97	ND < 0.01	ND < 0.014	ND < 0.003	ND < 0.009	ND < 0.5	ND < 0.5	43.0	1.5	34
Apr-89	99.85	ND < 0.02	0.04	ND < 0.01	ND < 0.02	ND < 500	7500.0	2600.0	11000	39
Jul-89	98.95	ND < 0.05	ND < 0.02	ND < 0.01	0.13	ND < 7	ND < 10.0	ND < 10.0	90.0	29
Oct-89	95.77	ND < 0.05	ND < 0.02	ND < 0.01	ND < 0.05	ND < 5	ND < 10.0	200.0	ND < 10.0	35
Jan-90	96.72	ND < 0.02	ND < 0.01	ND < 0.01	ND < 0.02	ND < 5	ND < 5.0	83.0	ND < 10.0	46
Apr-90	98.44	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 2.5	2.6	370.0	150.0	33
Jul-90	100.00	ND < 0.02	ND < 0.01	ND < 0.01	0.03	ND < 25	440.0	1000.0	760.0	65
Oct-90	98.97	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	15000.0	3000.0	10000	ND < 1
Jan-91	98.29	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	15000.0	4700.0	12000	ND < 1
Apr-91	101.17	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	8500.0	3300.0	7500.0	63
Jul-91	102.19	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	57.0	520.0	220.0	61
Oct-91	101.61	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.01	ND < 0.5	140.0	2000.0	660.0	110
Jan-92	104.09	0.10	ND < 0.0081	ND < 0.0027	0.02	ND < 1	7.3	230.0	26.0	85
Apr-92	106.61	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.01	ND < 0.05	1.7	130.0	2.3	70
Jul-92	107.12	ND < 0.02	0.02	ND < 0.005	0.09	ND < 0.05	ND < 0.1	17.0	ND < 0.1	160
Oct-92	104.55	ND < 0.02	0.011	ND < 0.005	ND < 0.01	ND < 0.05	ND < 0.1	11.0	ND < 0.1	160
Jan-93	108.27	ND < 0.02	0.013	ND < 0.005	0.088	ND < 1.2	ND < 2.5	110.0	ND < 2.5	86
Apr-93	115.6	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.05	ND < 1.0	2.0	ND < 1.0	59
Jul-93	116.07	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.05	2.5	1.8	6.4	230
Oct-93	116.01	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	2.1	3.1	150
Jan-94	116.03	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	2.5	2.8	190
Apr-94	116.83	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	80
Jul-94	117.23	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	1.6	180
Oct-94	111.30	ND < 0.02	0.011	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	4.5	ND < 1.0	360
Jan-95	112.53	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 10	660.0	850.0	1100.0	660
Apr-95	118.26	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 50	ND < 100.0	1900.0	1000.0	74
Jul-95	119.51	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 2.5	ND < 5.0	160.0	37.0	140
Oct-95	115.80	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	5.8	2.2	180
Jan-96	113.98	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 25	520.0	460.0	1000.0	620
Apr-96	117.37	ND < 0.02	ND < 0.01	ND < 0.005	0.023	ND < 25	160.0	1100.0	1400.0	240
Jul-96	116.75	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 10	ND < 20.0	460.0	290.0	220
Oct-96	112.95	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.9	20.0	8.0	250
Jan-97	114.78	ND < 0.02	ND < 0.01	ND < 0.005	0.029	ND < 0.5	9.4	84.0	88.0	160
Apr-97	117.60	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 2.5	ND < 5.0	120.0	8.2	370
Jul-97	117.61	ND < 0.02	ND < 0.01	ND < 0.005	0.15	ND < 2.5	ND < 5.0	8.3	ND < 5.0	240
Oct-97	114.02	ND < 0.02	ND < 0.01	ND < 0.005	0.1	ND < 2.5	ND < 5.0	ND < 5.0	ND < 5.0	350
Jan-98	112.23	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 12	770.0	1800.0	2200.0	390
Apr-98	117.36	ND < 0.02	ND < 0.01	ND < 0.005	0.077	ND < 1.2	63.0	150.0	210.0	180
Jul-98	118.57	ND < 0.02	ND < 0.01	ND < 0.005	0.077	ND < 1.2	ND < 2.5	41.0	4.8	150
Oct-98	115.91	ND < 0.02	ND < 0.01	ND < 0.005	0.041	ND < 5	ND < 10.0	ND < 10.0	ND < 10.0	430
Jan-99	113.05	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 6.2	260.0	750.0	970.0	690
Apr-99	113.14	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.025	ND < 25	670	1600	1270	480
Jul-99	112.88	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 10	ND < 10	85	ND < 10	740
Oct-99	105.05	0.057	0.02	#REF!	#REF!	ND < 10	ND < 10	480	52	650
Jan-00	101.31	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 12	ND < 12	ND < 12	ND < 12	820
Apr-00	107.91	ND < 0.010	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 12	ND < 12	55	17	1100
Oct-00	108.06	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 50	ND < 50	ND < 50	ND < 50	2900
Apr-01	102.48	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Shallow Wells
PHIBRO-TECH, INC.
Historical Results
January 1989 to July 2001

		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 14S										
Oct-90	98.07	3.2	2.2	0.018	5.3	ND < 0.5	ND < 1.0	1750.0	ND < 1.0	180
Jan-91	97.38	0.4	0.94	0.007	1	ND < 0.5	ND < 1.0	2800.0	5900.0	108
Apr-91	99.26	0.39	0.41	0.005	0.15	ND < 0.5	ND < 1.0	4100.0	ND < 1.0	84
Jul-91	101.27	0.02	0.31	0.005	0.11	ND < 0.5	ND < 1.0	31.0	ND < 1.0	55
Oct-91	100.66	0.13	0.23	ND < 0.005	0.05	ND < 0.5	ND < 1.0	680.0	ND < 1.0	81
Jan-92	103.08	0.27	0.15	ND < 0.0027	0.093	ND < 1	ND < 1.0	ND < 1.0	ND < 1.0	59
Apr-92	105.70	0.13	0.16	ND < 0.005	0.04	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	56
Jul-92	106.38	0.1	0.33	ND < 0.005	0.56	0.6	ND < 1.0	ND < 1.0	ND < 1.0	44
Oct-92	103.72	0.16	0.54	ND < 0.005	0.72	ND < 1	ND < 1.0	ND < 1.0	ND < 1.0	71
Jan-93	107.00	0.056	0.24	ND < 0.005	0.33	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	56
Apr-93	114.80	ND < 0.02	0.018	ND < 0.005	0.032	ND < 0.5	24.0	40.0	55.0	18
Jul-93	115.36	ND < 0.02	0.20	ND < 0.005	0.023	ND < 0.5	1.3	1.2	3.8	25
Oct-93	115.42	ND < 0.02	0.01	ND < 0.005	0.021	ND < 0.5	ND < 1.0	2.1	3.7	25
Jan-94	115.28	ND < 0.02	0.015	ND < 0.005	0.022	ND < 0.5	ND < 1.0	3.2	1.4	21
Apr-94	116.06	ND < 0.02	0.022	ND < 0.005	ND < 0.020	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	29
Jul-94	116.64	ND < 0.02	0.016	ND < 0.005	ND < 0.020	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	15
Oct-94	110.70	0.035	0.064	ND < 0.005	ND < 0.020	0.53	ND < 1.0	ND < 1.0	ND < 1.0	58
Feb-95	113.10	ND < 0.02	0.016	ND < 0.005	0.020	ND < 50	ND < 100.0	3000.0	690.0	50
Apr-95	117.50	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.020	ND < 5	76.0	120.0	190.0	20
Jul-95	118.93	ND < 0.02	ND < 0.01	0.0055	ND < 0.020	ND < 0.5	2.8	26.0	12.0	22
Oct-95	115.25	0.022	0.046	ND < 0.005	ND < 0.020	ND < 0.5	ND < 1.0	2.1	2.0	35
Jan-96	113.13	ND < 0.02	0.034	ND < 0.005	0.024	ND < 1	4.7	87.0	58.0	42
Apr-96	116.52	0.021	0.028	ND < 0.005	ND < 0.020	ND < 2.5	54.0	120.0	110.0	51
Jul-96	116.04	ND < 0.01	0.069	ND < 0.005	ND < 0.020	0.58	ND < 1.0	20.0	10.0	37
Oct-96	112.22	0.052	0.082	ND < 0.005	ND < 0.020	ND < 0.5	ND < 1.0	13.0	2.9	61
Jan-97	113.85	0.024	0.031	ND < 0.005	ND < 0.020	ND < 2.5	ND < 5.0	470.0	ND < 5.0	90
Apr-97	116.82	ND < 0.02	0.032	0.0053	ND < 0.020	0.58	2.9	91.0	36.0	45
Jul-97	117.21	ND < 0.02	0.016	ND < 0.005	ND < 0.020	ND < 5	ND < 1.0	14.0	1.0	35
Oct-97	113.39	0.1	0.013	ND < 0.005	ND < 0.020	ND < 0.5	ND < 1.0	20.0	1.8	57
Jan-98	111.43	* ND/0.0103	0.018	ND < 0.005	0.020	ND < 0.5	1.1	19.0	5.0	50
Apr-98	116.47	ND < 0.02	0.018	ND < 0.005	0.023	ND < 12	ND < 25.0	1500.0	150.0	38
Jul-98	117.79	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.020	0.51	ND < 1.0	18.0	8.4	18
Oct-98	115.19	0.032	0.044	ND < 0.005	0.027	ND < 1.2	ND < 2.5	120.0	29.0	62
Jan-99	112.31	0.058	0.032	ND < 0.005	ND < 0.020	1.1	ND < 2.0	77.0	64.0	98
Apr-99	112.21	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.025	ND < 12	ND < 12	820	47	84
Jul-99	112.19	ND < 0.020	0.038	ND < 0.0050	0.037	ND < 50	ND < 50	3,000	ND < 50	74
Oct-99	104.31	0.035	0.15	0.006	0.044	#REF!	ND < 2.0	120	ND < 2.0	180
Jan-00	100.43	0.11	0.26	0.0094	0.031	ND < 5.0	ND < 5.0	ND < 5.0	ND < 5.0	230
Apr-00	106.91	ND < 0.010	ND < 0.010	ND < 0.0050	0.025	3.2	ND < 2.0	110	ND < 2.0	60
Oct-00	107.06	0.039	0.09	ND < 0.0050	0.087	ND < 5.0	ND < 5.0	230	ND < 5.0	170
Apr-01	101.27	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

* ND/10.3 = EPA method 7196/EPA Method 218.6 (Sample was analyzed for hexavalent chromium by two methods.)

Shallow Wells
PHIBRO-TECH, INC.
Historical Results
January 1989 to July 2001

		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 15S										
Oct-90	97.71	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	21
Jan-91	97.10	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	4.0	1.6	4.0	13
Apr-91	99.71	ND < 0.02	ND < 0.01	0.011	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	28
Jul-91	100.94	ND < 0.02	ND < 0.01	0.014	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	17
Oct-91	100.35	ND < 0.02	0.01	0.02	0.06	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	13
Jan-92	102.72	ND < 0.051	ND < 0.0081	0.008	0.01	ND < 1	ND < 1.0	ND < 1.0	ND < 1.0	15
Apr-92	105.29	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.01	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	4.1
Jul-92	105.95	ND < 0.02	0.04	0.005	0.27	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	2.9
Oct-92	103.37	ND < 0.02	ND < 0.02	0.0073	0.047	ND < 0.5	ND < 0.5	ND < 0.5	ND < 0.5	ND < 1
Jan-93	106.58	ND < 0.02	0.014	0.0085	0.1	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	9.0
Apr-93	114.41	ND < 0.02	0.013	ND < 0.005	ND < 0.02	ND < 0.5	14.0	10.0	22.0	4.6
Jul-93	115.01	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.2	ND < 1.0	2.4	2.4
Oct-93	115.07	ND < 0.04	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	3.2
Jan-94	114.90	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	1.9
Apr-94	115.72	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	3.1
Jul-94	116.31	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	2.1
Oct-94	110.42	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	6.0
Jan-95	111.14	0.048	0.044	ND < 0.005	ND < 0.02	ND < 1	4.0	64.0	27.0	3.7
Apr-95	117.15	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 2.5	60.0	82.0	130.0	2.8
Jul-95	118.61	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	2.5	18.0	12.0	5.2
Oct-95	114.45	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	1.0	ND < 1.0	3.9
Jan-96	112.69	ND < 0.02	0.012	ND < 0.005	ND < 0.02	ND < 0.5	1.8	25.0	22.0	3.8
Apr-96	116.09	ND < 0.02	0.015	ND < 0.005	ND < 0.02	ND < 0.5	13.0	40.0	45.0	2.8
Jul-96	115.69	ND < 0.01	0.014	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	9.7	5.4	3.2
Oct-96	111.81	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	2.9	2.6	5.3
Jan-97	113.42	ND < 0.02	0.01	ND < 0.005	ND < 0.02	ND < 0.5	5.5	69.0	1.0	5.1
Apr-97	116.35	ND < 0.02	0.01	ND < 0.005	ND < 0.02	ND < 0.5	9.3	21.0	8.5	3.3
Jul-97	116.60	ND < 0.02	0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	8.2	1.3	4.1
Oct-97	113.08	ND < 0.02	0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	17.0	1.7	5.2
Jan-98	111.06	* ND/0.0177	0.021	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	12.0	3.7	5.0
Apr-98	116.05	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	60.0	7.2	3.1
Jul-98	117.47	ND < 0.02	0.014	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	10.0	2.9	3.4
Oct-98	114.87	ND < 0.02	0.017	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	45.0	12.0	3.9
Jan-99	111.98	0.024	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	19.0	2.2	7.0
Apr-99	111.85	ND < 0.01	0.013	ND < 0.005	ND < 0.025	ND < 1.0	ND < 1.0	23	2.2	4.2
Jul-99	111.89	ND < 0.020	0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	29	23	3.9
Oct-99	104.07	0.014	0.015	ND < 0.0050	#REF!	ND < 2.0	ND < 2.0	12	ND < 2.0	6.7
Jan-00	100.09	ND < 0.020	ND < 0.010	0.012	ND < 0.025	ND < 1.0	ND < 1.0	9.3	ND < 1.0	25
Apr-00	106.56	ND < 0.010	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	17
Oct-00	106.82	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	17	ND < 1.0	6.7
Apr-01	100.91	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

* ND/0.0177 = EPA method 7196/EPA Method 218.6 (Sample was analyzed for hexavalent chromium by two methods.)

Shallow Wells
PHIBRO-TECH, INC.
Historical Results
January 1989 to July 2001

		METALS				VOLATILE ORGANIC COMPOUNDS				
Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 16										
Apr-92	105.99	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.01	ND < 0.5	0.7	1.0	1.6	52
Jul-92	106.7	ND < 0.02	0.03	ND < 0.02	0.35	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	35
Oct-92	104.07	ND < 0.02	0.011	ND < 0.005	0.15	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	72
Jan-93	107.3	ND < 0.02	ND < 0.01	ND < 0.005	0.44	ND < 1.2	ND < 2.5	ND < 2.5	ND < 2.5	51
Apr-93	114.9	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 25	55.0	2300.0	1200.0	42
Jul-93	115.54	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 50	ND < 100.0	3100.0	2000.0	15
Oct-93	115.51	ND < 0.04	ND < 0.01	ND < 0.005	ND < 0.02	ND < 5.0	ND < 10.0	340.0	ND < 10.0	24
Jan-94	115.46	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.02	ND < 20.0	1000.0	ND < 20.0	22
Apr-94	116.25	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 10	ND < 20.0	820.0	ND < 20.0	37
Jul-94	116.78	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 25	ND < 50.0	1300.0	730.0	76
Oct-94	111.02	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.5	2.4	9.7	91
Jan-95	112.08	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	ND < 1.0	ND < 1.0	17
Apr-95	117.60	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 5	16.0	36.0	55.0	34
Jul-95	118.99	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 10	ND < 20.0	* 540/370	ND < 20.0	67
Oct-95	115.45	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	1.8	1.3	60
Jan-96	113.49	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	11.0	9.7	26
Apr-96	116.72	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	9.8	30.0	33.0	36
Jul-96	116.24	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	6.6	3.6	110
Oct-96	112.59	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.02	ND < 5	49.0	130.0	230.0	73
Jan-97	114.18	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 1	4.6	23.0	ND < 2.0	32
Apr-97	117.01	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 1	ND < 2.0	7.2	2.4	31
Jul-97	117.12	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 1.2	ND < 2.5	6.5	ND < 2.5	30
Oct-97	113.66	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 2.5	ND < 5.0	8.2	ND < 5.0	53
Jan-98	111.92	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1.0	12.0	ND < 3.8	29
Apr-98	116.79	ND < 0.02	ND < 0.01	ND < 0.005	0.023	ND < 0.5	ND < 1.0	28.0	2.7	29
Jul-98	118.00	ND < 0.02	ND < 0.01	ND < 0.005	0.031	ND < 0.5	ND < 1.0	6.0	1.8	28
Oct-98	115.42	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 2.5	ND <5.0	16.0	ND < 5.0	58
Jan-99	112.68	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 1.0	ND < 2.0	11.0	ND < 2.0	36
Apr-99	112.59	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.025	ND < 2.0	ND < 2.0	6.1	ND < 2.0	39
Jul-99	112.43	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 2.0	ND < 2.0	33	ND < 2.0	29
Oct-99	104.81	ND < 0.010	ND < 0.010	#REF!	#REF!	ND < 2.0	ND < 2.0	ND < 2.0	ND < 5.0	42
Jan-00	101.03	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	18
Apr-00	107.25	ND < 0.010	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 2.0	ND < 2.0	ND < 2.0	ND < 2.0	26
Oct-00	107.51	ND < 0.020	ND < 0.010	ND < 0.0050	0.3	ND < 2.5	ND < 2.5	7	ND < 2.5	36
Apr-01	101.77	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

ND = Below detection limit as noted

MSL = Mean Sea Level

* 540/370 = original sample/duplicate sample (both results presented because duplicate result deviation is >20%)

P:\2279\2279-111\SPRDSHTS\03-01\[Jan03.xls]TAB5-1

Deep Wells

PHIBRO-TECH, INC.

July 2001 Monitoring

Historical Results

Monitor Well No. / Date	Groundwater Elevation (Feet MSL)	Metals				Volatile Organic Compounds				
		Hexavalent Chromium (mg/L)	Total Chromium (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	Trichloroethene (ug/L)
MW - 1D										
Jan-99	114.00	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1	1	ND < 1	2
Apr-99	114.01	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	ND < 1	ND < 2	2.1
Jul-99	113.67	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	ND < 1	ND < 2	2.7
Oct-99	106.55	0.014	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	ND < 1	ND < 1	2
Jan-00	152.60	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	ND < 1	ND < 1	7.1
Apr-00	108.84	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	1.7	ND < 1	ND < 1	3.3
Oct-00	108.98	ND < 0.020	ND < 0.010	ND < 0.0050	0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	3.1
Apr-01	104.84	0.00066	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	2.7
MW - 4A										
Jan-99	112.63	0.02	0.025	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1	ND < 1	ND < 1	10
Apr-99	112.58	ND < 0.02	0.012	ND < 0.005	ND < 0.025	ND < 1	ND < 1	2.9	1.7	7
Jul-99	112.46	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	670	67	5.2
Oct-99	104.64	0.017	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	ND < 1	ND < 2	4.5
Jan-00	152.46	ND < 0.02	0.015	ND < 0.005	ND < 0.025	ND < 1	ND < 1	ND < 1	ND < 1	4.2
Apr-00	107.30	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	ND < 1	ND < 1	8.6
Oct-00	107.48	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	7.4
Apr-01	103.19	0.0056	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	19
MW - 6D										
Jan-99	112.78	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	1.2	5.8	6.4	7.1
Apr-99	112.62	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	4	14	11.5	10
Jul-99	112.43	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	4.4	ND < 2	23
Oct-99	105.10	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	2.9	ND < 2	8.8
Jan-00	150.13	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	1.8	ND < 1	9.2
Apr-00	107.25	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	1	ND < 1	4.3
Oct-00	107.59	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	10
Apr-01	103.48	0.0026	ND < 0.010	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	ND < 1.0	ND < 1.0	10
MW -15D										
Jan-99	111.92	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.02	ND < 0.5	ND < 1	15	2.1	5.4
Apr-99	111.81	ND < 0.02	0.35	ND < 0.005	ND < 0.025	ND < 1	ND < 1	12	1.6	25
Jul-99	111.74	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	34	ND < 2	9
Oct-99	103.88	ND < 0.01	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	6	ND < 2	5.1
Jan-00	150.96	ND < 0.02	ND < 0.01	ND < 0.005	ND < 0.025	ND < 1	ND < 1	ND < 1	ND < 1	9.7
Apr-00	106.54	0.016	0.013	ND < 0.005	ND < 0.025	ND < 1	ND < 1	ND < 1	ND < 1	13
Oct-00	106.69	ND < 0.020	ND < 0.010	ND < 0.0050	ND < 0.025	1.8	ND < 1.0	2.9	ND < 1.0	8.7
Apr-01	102.36	0.014	0.025	ND < 0.0050	ND < 0.025	ND < 1.0	ND < 1.0	11	2.1	12

ND = Below detection limit as noted

MSL = Mean Sea Level

* 540/370 = original sample/duplicate sample (both results presented because duplicate result deviation is >20%)

P:\2279\2279-111\SPRDSHTS\02-10\[Jul02.xls]TAB5-1

Appendix C

Appendix C
Del Mar Analytical Laboratory Reports

Del Mar Analytical

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project: Phibro-Tech Appendix IX

Sampled: 12/30/02
Received: 12/30/02
Issued: 02/20/03

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 7°C, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
Selected results were reported in QC batches with LCS/LCSD sets in place of MS/MSD sets due to lack of additional sample volume to perform MS/MSD.
EPA 8260 cis-1,2-Dichloroethene result for sample ILL1698-03 was originally analyzed within hold time, but the result was greater than the high calibration standard on the instrument. The sample was re-analyzed at a higher dilution, but 4 days outside of the 14 day hold time.
EPA 8270 SVOC had one of the six surrogate recoveries outside acceptance limits. The surrogate Terphenyl-d14 recovery was below acceptance limits, but could not be extracted due to hold time constraints. All other samples and QC in the batch had acceptable surrogate recoveries.

COMMENTS: Results that fall between the MDL and RL are 'J' flagged.
EPA 6010B ICP metals were reported from dilutions for samples ILL1698-03 and -05 due to relatively high levels of non-target compounds that caused interference. The reporting limits were elevated as a result of the dilution multiplication factors.
The Hexavalent Chromium result for sample ILL1698-03 was greater than the Total Chromium result most likely due to dilution error during the Hexavalent Chromium analysis. The large dilution required for Hexavalent Chromium may have produced a large error due to multiplication of result by large dilution factor. Any small dilution error would have been magnified and caused a biased result. The sample could not be re-analyzed due to 24 hour hold time constraints.

SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

LABORATORY ID	CLIENT ID	MATRIX
ILL1698-01	PTI-MW14S-056	Water
ILL1698-02	PTI-MW07-056	Water
ILL1698-03	PTI-MW04-056	Water
ILL1698-04	PTI-MW11-056	Water
ILL1698-05	PTI-MW35-056	Water
ILL1698-06	PTI-EB01-056	Water

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Patty Mata
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Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
Aldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
alpha-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
beta-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
delta-BHC	EPA 3510C/8081A	2L31027	N/A	0.20	ND	0.962	12/31/02	01/07/03	
gamma-BHC (Lindane)	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Chlordane	EPA 3510C/8081A	2L31027	N/A	1.0	ND	0.962	12/31/02	01/07/03	
4,4'-DDD	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
4,4'-DDE	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
4,4'-DDT	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Dieldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Endosulfan I	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Endosulfan II	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Endosulfan sulfate	EPA 3510C/8081A	2L31027	N/A	0.20	ND	0.962	12/31/02	01/07/03	
Endrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Endrin aldehyde	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Endrin ketone	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Heptachlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Heptachlor epoxide	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Methoxychlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.962	12/31/02	01/07/03	
Toxaphene	EPA 3510C/8081A	2L31027	N/A	5.0	ND	0.962	12/31/02	01/07/03	
Surrogate: Tetrachloro-m-xylene (35-120%)					*106 %*				
Surrogate: Decachlorobiphenyl (45-120%)					*120 %*				

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Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
Aldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
alpha-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
beta-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
delta-BHC	EPA 3510C/8081A	2L31027	N/A	0.20	ND	0.98	12/31/02	01/07/03	
gamma-BHC (Lindane)	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Chlordane	EPA 3510C/8081A	2L31027	N/A	1.0	ND	0.98	12/31/02	01/07/03	
4,4'-DDD	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
4,4'-DDE	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
4,4'-DDT	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Dieldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endosulfan I	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endosulfan II	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endosulfan sulfate	EPA 3510C/8081A	2L31027	N/A	0.20	ND	0.98	12/31/02	01/07/03	
Endrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endrin aldehyde	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endrin ketone	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Heptachlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Heptachlor epoxide	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Methoxychlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Toxaphene	EPA 3510C/8081A	2L31027	N/A	5.0	ND	0.98	12/31/02	01/07/03	
Surrogate: Tetrachloro-m-xylene (35-120%)					*103 %*				
Surrogate: Decachlorobiphenyl (45-120%)					*112 %*				

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Patty Mata
Project Manager

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Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
Aldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
alpha-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
beta-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
delta-BHC	EPA 3510C/8081A	2L31027	N/A	0.20	ND	0.98	12/31/02	01/07/03	
gamma-BHC (Lindane)	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Chlordane	EPA 3510C/8081A	2L31027	N/A	1.0	ND	0.98	12/31/02	01/07/03	
4,4'-DDD	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
4,4'-DDE	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
4,4'-DDT	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Dieldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endosulfan I	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endosulfan II	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endosulfan sulfate	EPA 3510C/8081A	2L31027	N/A	0.20	ND	0.98	12/31/02	01/07/03	
Endrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endrin aldehyde	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Endrin ketone	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Heptachlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Heptachlor epoxide	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Methoxychlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.98	12/31/02	01/07/03	
Toxaphene	EPA 3510C/8081A	2L31027	N/A	5.0	ND	0.98	12/31/02	01/07/03	
Surrogate: Tetrachloro-m-xylene (35-120%)					*102 %*				
Surrogate: Decachlorobiphenyl (45-120%)					*115 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
Aldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
alpha-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
beta-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
delta-BHC	EPA 3510C/8081A	2L31027	N/A	0.20	ND	1	12/31/02	01/07/03	
gamma-BHC (Lindane)	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Chlordane	EPA 3510C/8081A	2L31027	N/A	1.0	ND	1	12/31/02	01/07/03	
4,4'-DDD	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
4,4'-DDE	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
4,4'-DDT	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Dieldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Endosulfan I	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Endosulfan II	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Endosulfan sulfate	EPA 3510C/8081A	2L31027	N/A	0.20	ND	1	12/31/02	01/07/03	
Endrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Endrin aldehyde	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Endrin ketone	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Heptachlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Heptachlor epoxide	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Methoxychlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	1	12/31/02	01/07/03	
Toxaphene	EPA 3510C/8081A	2L31027	N/A	5.0	ND	1	12/31/02	01/07/03	
Surrogate: Tetrachloro-m-xylene (35-120%)					*114 %*				
Surrogate: Decachlorobiphenyl (45-120%)					*107 %*				

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Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
Aldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
alpha-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
beta-BHC	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
delta-BHC	EPA 3510C/8081A	2L31027	N/A	0.20	ND	0.943	12/31/02	01/07/03	
gamma-BHC (Lindane)	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Chlordane	EPA 3510C/8081A	2L31027	N/A	1.0	ND	0.943	12/31/02	01/07/03	
4,4'-DDD	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
4,4'-DDE	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
4,4'-DDT	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Dieldrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Endosulfan I	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Endosulfan II	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Endosulfan sulfate	EPA 3510C/8081A	2L31027	N/A	0.20	ND	0.943	12/31/02	01/07/03	
Endrin	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Endrin aldehyde	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Endrin ketone	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Heptachlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Heptachlor epoxide	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Methoxychlor	EPA 3510C/8081A	2L31027	N/A	0.10	ND	0.943	12/31/02	01/07/03	
Toxaphene	EPA 3510C/8081A	2L31027	N/A	5.0	ND	0.943	12/31/02	01/07/03	
Surrogate: Tetrachloro-m-xylene (35-120%)					*101 %*				
Surrogate: Decachlorobiphenyl (45-120%)					*101 %*				

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX
Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
Aroclor 1016	EPA 3510/8082	2L31027	N/A	1.0	ND	0.962	12/31/02	01/02/03	
Aroclor 1221	EPA 3510/8082	2L31027	N/A	1.0	ND	0.962	12/31/02	01/02/03	
Aroclor 1232	EPA 3510/8082	2L31027	N/A	1.0	ND	0.962	12/31/02	01/02/03	
Aroclor 1242	EPA 3510/8082	2L31027	N/A	1.0	ND	0.962	12/31/02	01/02/03	
Aroclor 1248	EPA 3510/8082	2L31027	N/A	1.0	ND	0.962	12/31/02	01/02/03	
Aroclor 1254	EPA 3510/8082	2L31027	N/A	1.0	ND	0.962	12/31/02	01/02/03	
Aroclor 1260	EPA 3510/8082	2L31027	N/A	1.0	ND	0.962	12/31/02	01/02/03	
Surrogate: Decachlorobiphenyl (35-135%)					*91 %*				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
Aroclor 1016	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1221	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1232	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1242	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1248	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1254	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1260	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Surrogate: Decachlorobiphenyl (35-135%)					*90 %*				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
Aroclor 1016	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1221	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1232	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1242	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1248	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1254	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Aroclor 1260	EPA 3510/8082	2L31027	N/A	1.0	ND	0.98	12/31/02	01/02/03	
Surrogate: Decachlorobiphenyl (35-135%)					*89 %*				

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Project Manager

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Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
Aroclor 1016	EPA 3510/8082	2L31027	N/A	1.0	ND	1	12/31/02	01/02/03	
Aroclor 1221	EPA 3510/8082	2L31027	N/A	1.0	ND	1	12/31/02	01/02/03	
Aroclor 1232	EPA 3510/8082	2L31027	N/A	1.0	ND	1	12/31/02	01/02/03	
Aroclor 1242	EPA 3510/8082	2L31027	N/A	1.0	ND	1	12/31/02	01/02/03	
Aroclor 1248	EPA 3510/8082	2L31027	N/A	1.0	ND	1	12/31/02	01/02/03	
Aroclor 1254	EPA 3510/8082	2L31027	N/A	1.0	ND	1	12/31/02	01/02/03	
Aroclor 1260	EPA 3510/8082	2L31027	N/A	1.0	ND	1	12/31/02	01/02/03	
Surrogate: Decachlorobiphenyl (35-135%)					*93 %*				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
Aroclor 1016	EPA 3510/8082	2L31027	N/A	1.0	ND	0.943	12/31/02	01/02/03	
Aroclor 1221	EPA 3510/8082	2L31027	N/A	1.0	ND	0.943	12/31/02	01/02/03	
Aroclor 1232	EPA 3510/8082	2L31027	N/A	1.0	ND	0.943	12/31/02	01/02/03	
Aroclor 1242	EPA 3510/8082	2L31027	N/A	1.0	ND	0.943	12/31/02	01/02/03	
Aroclor 1248	EPA 3510/8082	2L31027	N/A	1.0	ND	0.943	12/31/02	01/02/03	
Aroclor 1254	EPA 3510/8082	2L31027	N/A	1.0	ND	0.943	12/31/02	01/02/03	
Aroclor 1260	EPA 3510/8082	2L31027	N/A	1.0	ND	0.943	12/31/02	01/02/03	
Surrogate: Decachlorobiphenyl (35-135%)					*91 %*				

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Patty Mata
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Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
Antimony	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Arsenic	EPA 6010B	2L30066	N/A	0.0050	**0.011**	1	12/30/02	01/02/03	
Barium	EPA 6010B	2L30066	N/A	0.010	**0.42**	1	12/30/02	01/02/03	
Beryllium	EPA 6010B	2L30066	N/A	0.0040	ND	1	12/30/02	01/02/03	
Cadmium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Chromium	EPA 6010B	2L30066	N/A	0.0050	**0.014**	1	12/30/02	01/02/03	
Cobalt	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Copper	EPA 6010B	2L30066	N/A	0.010	**0.042**	1	12/30/02	01/02/03	
Lead	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Mercury	EPA 7470A	3A07034	N/A	0.00020	ND	1	01/07/03	01/07/03	
Molybdenum	EPA 6010B	2L30066	N/A	0.020	ND	1	12/30/02	01/02/03	
Nickel	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Selenium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Silver	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Thallium	EPA 6010B	2L30066	N/A	0.0050	**0.0074**	1	12/30/02	01/02/03	
Vanadium	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Zinc	EPA 6010B	2L30066	N/A	0.020	**0.13**	1	12/30/02	01/02/03	
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
Antimony	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Arsenic	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Barium	EPA 6010B	2L30066	N/A	0.010	**0.40**	1	12/30/02	01/02/03	
Beryllium	EPA 6010B	2L30066	N/A	0.0040	ND	1	12/30/02	01/02/03	
Cadmium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Chromium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Cobalt	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Copper	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Lead	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Mercury	EPA 7470A	3A07034	N/A	0.00020	**0.00039**	1	01/07/03	01/07/03	
Molybdenum	EPA 6010B	2L30066	N/A	0.020	ND	1	12/30/02	01/02/03	
Nickel	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Selenium	EPA 6010B	2L30066	N/A	0.0050	**0.0085**	1	12/30/02	01/02/03	
Silver	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Thallium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Vanadium	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Zinc	EPA 6010B	2L30066	N/A	0.020	**0.14**	1	12/30/02	01/02/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
Antimony	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Arsenic	EPA 6010B	2L30066	N/A	0.010	ND	2	12/30/02	01/02/03	RL-3
Barium	EPA 6010B	2L30066	N/A	0.020	**0.34**	2	12/30/02	01/02/03	
Beryllium	EPA 6010B	2L30066	N/A	0.0080	ND	2	12/30/02	01/02/03	RL-3
Cadmium	EPA 6010B	2L30066	N/A	0.010	**0.26**	2	12/30/02	01/02/03	
Chromium	EPA 6010B	2L30066	N/A	0.010	**9.2**	2	12/30/02	01/02/03	
Cobalt	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Copper	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Lead	EPA 6010B	2L30066	N/A	0.010	ND	2	12/30/02	01/02/03	RL-3
Mercury	EPA 7470A	3A07034	N/A	0.00020	**0.0012**	1	01/07/03	01/07/03	
Molybdenum	EPA 6010B	2L30066	N/A	0.040	ND	2	12/30/02	01/02/03	RL-3
Nickel	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Selenium	EPA 6010B	2L30066	N/A	0.010	**0.016**	2	12/30/02	01/02/03	
Silver	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Thallium	EPA 6010B	2L30066	N/A	0.010	ND	2	12/30/02	01/02/03	RL-3
Vanadium	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Zinc	EPA 6010B	2L30066	N/A	0.040	ND	2	12/30/02	01/02/03	RL-3
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
Antimony	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Arsenic	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Barium	EPA 6010B	2L30066	N/A	0.010	**0.32**	1	12/30/02	01/02/03	
Beryllium	EPA 6010B	2L30066	N/A	0.0040	ND	1	12/30/02	01/02/03	
Cadmium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Chromium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Cobalt	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Copper	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Lead	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Mercury	EPA 7470A	3A07034	N/A	0.00020	ND	1	01/07/03	01/07/03	
Molybdenum	EPA 6010B	2L30066	N/A	0.020	ND	1	12/30/02	01/02/03	
Nickel	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Selenium	EPA 6010B	2L30066	N/A	0.0050	**0.0078**	1	12/30/02	01/02/03	
Silver	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Thallium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Vanadium	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Zinc	EPA 6010B	2L30066	N/A	0.020	**0.16**	1	12/30/02	01/02/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
Antimony	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Arsenic	EPA 6010B	2L30066	N/A	0.010	ND	2	12/30/02	01/02/03	RL-3
Barium	EPA 6010B	2L30066	N/A	0.020	**0.66**	2	12/30/02	01/02/03	
Beryllium	EPA 6010B	2L30066	N/A	0.0080	ND	2	12/30/02	01/02/03	RL-3
Cadmium	EPA 6010B	2L30066	N/A	0.010	**0.25**	2	12/30/02	01/02/03	
Chromium	EPA 6010B	2L30066	N/A	0.010	**9.4**	2	12/30/02	01/02/03	
Cobalt	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Copper	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Lead	EPA 6010B	2L30066	N/A	0.010	ND	2	12/30/02	01/02/03	RL-3
Mercury	EPA 7470A	3A07034	N/A	0.00020	**0.0014**	1	01/07/03	01/07/03	
Molybdenum	EPA 6010B	2L30066	N/A	0.040	ND	2	12/30/02	01/02/03	RL-3
Nickel	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Selenium	EPA 6010B	2L30066	N/A	0.010	ND	2	12/30/02	01/02/03	RL-3
Silver	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Thallium	EPA 6010B	2L30066	N/A	0.010	ND	2	12/30/02	01/02/03	RL-3
Vanadium	EPA 6010B	2L30066	N/A	0.020	ND	2	12/30/02	01/02/03	RL-3
Zinc	EPA 6010B	2L30066	N/A	0.040	**0.16**	2	12/30/02	01/02/03	
Sample ID: ILL1698-06 (PTI-EB01-056 - Water)									
Antimony	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Arsenic	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Barium	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Beryllium	EPA 6010B	2L30066	N/A	0.0040	ND	1	12/30/02	01/02/03	
Cadmium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Chromium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Cobalt	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Copper	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Lead	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Mercury	EPA 7470A	3A07034	N/A	0.00020	ND	1	01/07/03	01/07/03	
Molybdenum	EPA 6010B	2L30066	N/A	0.020	ND	1	12/30/02	01/02/03	
Nickel	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Selenium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Silver	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Thallium	EPA 6010B	2L30066	N/A	0.0050	ND	1	12/30/02	01/02/03	
Vanadium	EPA 6010B	2L30066	N/A	0.010	ND	1	12/30/02	01/02/03	
Zinc	EPA 6010B	2L30066	N/A	0.020	ND	1	12/30/02	01/02/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
Chromium VI	EPA 7199	2L30065	N/A	0.0010	**0.0042**	1	12/30/02	12/30/02	
Total Cyanide	SM4500-CN-C,E	2L31042	N/A	0.025	ND	1	12/31/02	12/31/02	
Sulfide	EPA 376.2	3A02036	N/A	0.10	ND	1	01/02/03	01/02/03	
			pH Units	pH Units	pH Units				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
pH	EPA 150.1	2L30059	N/A	NA	**7.09**	1	12/30/02	12/30/02	
			mg/l	mg/l	mg/l				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
Chromium VI	EPA 7199	2L30065	N/A	0.0010	ND	1	12/30/02	12/30/02	
Total Cyanide	SM4500-CN-C,E	2L31042	N/A	0.025	ND	1	12/31/02	12/31/02	
Sulfide	EPA 376.2	3A02036	N/A	0.10	ND	1	01/02/03	01/02/03	
			pH Units	pH Units	pH Units				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
pH	EPA 150.1	2L30059	N/A	NA	**7.45**	1	12/30/02	12/30/02	
			mg/l	mg/l	mg/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
Chromium VI	EPA 7199	2L30065	N/A	0.20	**11**	200	12/30/02	12/30/02	
Total Cyanide	SM4500-CN-C,E	2L31042	N/A	0.025	ND	1	12/31/02	12/31/02	
Sulfide	EPA 376.2	3A02036	N/A	0.10	ND	1	01/02/03	01/02/03	

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Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			pH Units	pH Units	pH Units				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
pH	EPA 150.1	2L30059	N/A	NA	**7.39**	1	12/30/02	12/30/02	
			mg/l	mg/l	mg/l				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
Chromium VI	EPA 7199	2L30065	N/A	0.0010	ND	1	12/30/02	12/30/02	
Total Cyanide	SM4500-CN-C,E	2L31042	N/A	0.025	ND	1	12/31/02	12/31/02	
Sulfide	EPA 376.2	3A02036	N/A	0.10	**0.19**	1	01/02/03	01/02/03	
			pH Units	pH Units	pH Units				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
pH	EPA 150.1	2L30059	N/A	NA	**7.03**	1	12/30/02	12/30/02	
			mg/l	mg/l	mg/l				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
Chromium VI	EPA 7199	2L30065	N/A	0.20	**9.4**	200	12/30/02	12/30/02	
Total Cyanide	SM4500-CN-C,E	2L31042	N/A	0.025	ND	1	12/31/02	12/31/02	
Sulfide	EPA 376.2	3A02036	N/A	0.10	ND	1	01/02/03	01/02/03	
			pH Units	pH Units	pH Units				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
pH	EPA 150.1	2L30059	N/A	NA	**6.71**	1	12/30/02	12/30/02	

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Report Number: ILL1698

Sampled: 12/30/02
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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: ILL1698-06 (PTI-EB01-056 - Water)									
Chromium VI	EPA 7199	2L30065	N/A	0.0010	ND	1	12/30/02	12/30/02	

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Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
Azinphos methyl	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Bolstar	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Chlorpyrifos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Coumaphos	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Demeton	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Diazinon	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Dichlorvos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Dimethoate	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Disulfoton	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Ethion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Ethoprop	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
EPN	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Fensulfothion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Fenthion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Malathion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Merphos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Mevinphos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Monocrotophos	EPA 8141A	3A06026	N/A	2.4	ND	0.943	01/06/03	01/10/03	
Naled	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Parathion-ethyl	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Parathion-methyl	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Phorate	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Ronnel	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Stirophos	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Sulfotep	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Thionazin	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Tokuthion (Prothiofos)	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Trichloronate	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Surrogate: Triphenyl phosphate (10-182%)					*110 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
Azinphos methyl	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Bolstar	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Chlorpyrifos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Coumaphos	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Demeton	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Diazinon	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Dichlorvos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Dimethoate	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Disulfoton	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Ethion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Ethoprop	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
EPN	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Fensulfothion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Fenthion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Malathion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Merphos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Mevinphos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Monocrotophos	EPA 8141A	3A06026	N/A	2.4	ND	0.943	01/06/03	01/10/03	
Naled	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Parathion-ethyl	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Parathion-methyl	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Phorate	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Ronnel	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Stirophos	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Sulfotep	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Thionazin	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Tokuthion (Prothiofos)	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Trichloronate	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Surrogate: Triphenyl phosphate (10-182%)					*113 %*				

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Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
Azinphos methyl	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Bolstar	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Chlorpyrifos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Coumaphos	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Demeton	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Diazinon	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Dichlorvos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Dimethoate	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Disulfoton	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Ethion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Ethoprop	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
EPN	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Fensulfothion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Fenthion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Malathion	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Merphos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Mevinphos	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Monocrotophos	EPA 8141A	3A06026	N/A	2.4	ND	0.943	01/06/03	01/10/03	
Naled	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Parathion-ethyl	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Parathion-methyl	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Phorate	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Ronnel	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Stirophos	EPA 8141A	3A06026	N/A	0.94	ND	0.943	01/06/03	01/10/03	
Sulfotep	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Thionazin	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Tokuthion (Prothiofos)	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Trichloronate	EPA 8141A	3A06026	N/A	0.47	ND	0.943	01/06/03	01/10/03	
Surrogate: Triphenyl phosphate (10-182%)					*124 %*				

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Patty Mata
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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
Azinphos methyl	EPA 8141A	3A06026	N/A	0.95	ND	0.952	01/06/03	01/10/03	
Bolstar	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Chlorpyrifos	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Coumaphos	EPA 8141A	3A06026	N/A	0.95	ND	0.952	01/06/03	01/10/03	
Demeton	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Diazinon	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Dichlorvos	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Dimethoate	EPA 8141A	3A06026	N/A	0.95	ND	0.952	01/06/03	01/10/03	
Disulfoton	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Ethion	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Ethoprop	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
EPN	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Fensulfothion	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Fenthion	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Malathion	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Merphos	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Mevinphos	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Monocrotophos	EPA 8141A	3A06026	N/A	2.4	ND	0.952	01/06/03	01/10/03	
Naled	EPA 8141A	3A06026	N/A	0.95	ND	0.952	01/06/03	01/10/03	
Parathion-ethyl	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Parathion-methyl	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Phorate	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Ronnel	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Stirophos	EPA 8141A	3A06026	N/A	0.95	ND	0.952	01/06/03	01/10/03	
Sulfotep	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Thionazin	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Tokuthion (Prothiofos)	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Trichloronate	EPA 8141A	3A06026	N/A	0.48	ND	0.952	01/06/03	01/10/03	
Surrogate: Triphenyl phosphate (10-182%)					*122 %*				

Del Mar Analytical, Irvine
Patty Mata
roject Manager

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Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
Azinphos methyl	EPA 8141A	3A06026	N/A	0.99	ND	0.99	01/06/03	01/10/03	
Bolstar	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Chlorpyrifos	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Coumaphos	EPA 8141A	3A06026	N/A	0.99	ND	0.99	01/06/03	01/10/03	
Demeton	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Diazinon	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Dichlorvos	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Dimethoate	EPA 8141A	3A06026	N/A	0.99	ND	0.99	01/06/03	01/10/03	
Disulfoton	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Ethion	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Ethoprop	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
EPN	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Fensulfothion	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Fenthion	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Malathion	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Merphos	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Mevinphos	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Monocrotophos	EPA 8141A	3A06026	N/A	2.5	ND	0.99	01/06/03	01/10/03	
Naled	EPA 8141A	3A06026	N/A	0.99	ND	0.99	01/06/03	01/10/03	
Parathion-ethyl	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Parathion-methyl	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Phorate	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Ronnel	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Stirophos	EPA 8141A	3A06026	N/A	0.99	ND	0.99	01/06/03	01/10/03	
Sulfotep	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Thionazin	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Tokuthion (Prothiofos)	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Trichloronate	EPA 8141A	3A06026	N/A	0.50	ND	0.99	01/06/03	01/10/03	
Surrogate: Triphenyl phosphate (10-182%)					*124 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Chlorinated Herbicides by EPA Method 8151A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
2,4-D	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
2,4-DB	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
2,4,5-T	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
2,4,5-TP (Silvex)	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
Dalapon	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
Dicamba	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
Dichlorprop	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
Dinoseb	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
MCPA	EPA 8151A	3A03006	N/A	480	ND	0.952	01/03/03	01/08/03	
MCPP	EPA 8151A	3A03006	N/A	480	ND	0.952	01/03/03	01/08/03	
Surrogate: Dichlorophenylacetic acid (48-138%)					*81.5 %*				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
2,4-D	EPA 8151A	3A03006	N/A	0.96	ND	0.957	01/03/03	01/08/03	
2,4-DB	EPA 8151A	3A03006	N/A	0.96	ND	0.957	01/03/03	01/08/03	
2,4,5-T	EPA 8151A	3A03006	N/A	0.96	ND	0.957	01/03/03	01/08/03	
2,4,5-TP (Silvex)	EPA 8151A	3A03006	N/A	0.96	ND	0.957	01/03/03	01/08/03	
Dalapon	EPA 8151A	3A03006	N/A	0.96	ND	0.957	01/03/03	01/08/03	
Dicamba	EPA 8151A	3A03006	N/A	0.96	ND	0.957	01/03/03	01/08/03	
Dichlorprop	EPA 8151A	3A03006	N/A	0.96	ND	0.957	01/03/03	01/08/03	
Dinoseb	EPA 8151A	3A03006	N/A	0.96	ND	0.957	01/03/03	01/08/03	
MCPA	EPA 8151A	3A03006	N/A	480	ND	0.957	01/03/03	01/08/03	
MCPP	EPA 8151A	3A03006	N/A	480	ND	0.957	01/03/03	01/08/03	
Surrogate: Dichlorophenylacetic acid (48-138%)					*85.4 %*				

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Patty Mata
roject Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Chlorinated Herbicides by EPA Method 8151A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
2,4-D	EPA 8151A	3A03006	N/A	0.98	ND	0.98	01/03/03	01/08/03	
2,4-DB	EPA 8151A	3A03006	N/A	0.98	ND	0.98	01/03/03	01/08/03	
2,4,5-T	EPA 8151A	3A03006	N/A	0.98	ND	0.98	01/03/03	01/08/03	
2,4,5-TP (Silvex)	EPA 8151A	3A03006	N/A	0.98	ND	0.98	01/03/03	01/08/03	
Dalapon	EPA 8151A	3A03006	N/A	0.98	ND	0.98	01/03/03	01/08/03	
Dicamba	EPA 8151A	3A03006	N/A	0.98	ND	0.98	01/03/03	01/08/03	
Dichlorprop	EPA 8151A	3A03006	N/A	0.98	ND	0.98	01/03/03	01/08/03	
Dinoseb	EPA 8151A	3A03006	N/A	0.98	ND	0.98	01/03/03	01/08/03	
MCPA	EPA 8151A	3A03006	N/A	490	ND	0.98	01/03/03	01/08/03	
MCPP	EPA 8151A	3A03006	N/A	490	ND	0.98	01/03/03	01/08/03	
Surrogate: Dichlorophenylacetic acid (48-138%)					*66.9 %*				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
2,4-D	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
2,4-DB	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
2,4,5-T	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
2,4,5-TP (Silvex)	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
Dalapon	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
Dicamba	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
Dichlorprop	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
Dinoseb	EPA 8151A	3A03006	N/A	0.95	ND	0.952	01/03/03	01/08/03	
MCPA	EPA 8151A	3A03006	N/A	480	ND	0.952	01/03/03	01/08/03	
MCPP	EPA 8151A	3A03006	N/A	480	ND	0.952	01/03/03	01/08/03	
Surrogate: Dichlorophenylacetic acid (48-138%)					*98.3 %*				

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Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Chlorinated Herbicides by EPA Method 8151A

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
2,4-D	EPA 8151A	3A03006	N/A	0.96	ND	0.962	01/03/03	01/08/03	
2,4-DB	EPA 8151A	3A03006	N/A	0.96	ND	0.962	01/03/03	01/08/03	
2,4,5-T	EPA 8151A	3A03006	N/A	0.96	ND	0.962	01/03/03	01/08/03	
2,4,5-TP (Silvex)	EPA 8151A	3A03006	N/A	0.96	ND	0.962	01/03/03	01/08/03	
Dalapon	EPA 8151A	3A03006	N/A	0.96	ND	0.962	01/03/03	01/08/03	
Dicamba	EPA 8151A	3A03006	N/A	0.96	ND	0.962	01/03/03	01/08/03	
Dichlorprop	EPA 8151A	3A03006	N/A	0.96	ND	0.962	01/03/03	01/08/03	
Dinoseb	EPA 8151A	3A03006	N/A	0.96	ND	0.962	01/03/03	01/08/03	
MCPA	EPA 8151A	3A03006	N/A	480	ND	0.962	01/03/03	01/08/03	
MCPP	EPA 8151A	3A03006	N/A	480	ND	0.962	01/03/03	01/08/03	
Surrogate: Dichlorophenylacetic acid (48-138%)					*59.6 %*				

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Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
Acetone	EPA 8260B	3010233	18	100	ND	10	01/13/03	01/13/03	
Acetonitrile	EPA 8260B	3010233	190	1000	ND	10	01/13/03	01/13/03	
Acrolein	EPA 8260B	3010233	18	200	ND	10	01/13/03	01/13/03	
Acrylonitrile	EPA 8260B	3010233	11	200	ND	10	01/13/03	01/13/03	
Allyl chloride	EPA 8260B	3010233	9.8	100	ND	10	01/13/03	01/13/03	
Benzene	EPA 8260B	3010233	0.50	10	**1.2**	10	01/13/03	01/13/03	J
Bromodichloromethane	EPA 8260B	3010233	0.50	10	ND	10	01/13/03	01/13/03	
Bromoform	EPA 8260B	3010233	1.1	10	ND	10	01/13/03	01/13/03	
Bromomethane	EPA 8260B	3010233	1.9	10	ND	10	01/13/03	01/13/03	
2-Butanone	EPA 8260B	3010233	7.0	100	ND	10	01/13/03	01/13/03	
Carbon disulfide	EPA 8260B	3010233	14	100	ND	10	01/13/03	01/13/03	
Carbon tetrachloride	EPA 8260B	3010233	0.60	10	**7.2**	10	01/13/03	01/13/03	J
Chlorobenzene	EPA 8260B	3010233	0.70	10	**1.8**	10	01/13/03	01/13/03	J
Chloroethane	EPA 8260B	3010233	1.1	10	ND	10	01/13/03	01/13/03	
Chloroform	EPA 8260B	3010233	0.70	10	**13**	10	01/13/03	01/13/03	
Chloromethane	EPA 8260B	3010233	1.4	10	ND	10	01/13/03	01/13/03	
Chloroprene	EPA 8260B	3010233	50	50	ND	10	01/13/03	01/13/03	
Dibromochloromethane	EPA 8260B	3010233	0.60	10	ND	10	01/13/03	01/13/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3010233	0.40	10	ND	10	01/13/03	01/13/03	
Dibromomethane	EPA 8260B	3010233	0.90	10	ND	10	01/13/03	01/13/03	
trans-1,4-Dichloro-2-butene	EPA 8260B	3010233	17	200	ND	10	01/13/03	01/13/03	
1,2-Dichlorobenzene	EPA 8260B	3010233	1.1	10	ND	10	01/13/03	01/13/03	
1,3-Dichlorobenzene	EPA 8260B	3010233	1.3	10	ND	10	01/13/03	01/13/03	
1,4-Dichlorobenzene	EPA 8260B	3010233	1.1	10	ND	10	01/13/03	01/13/03	
Dichlorodifluoromethane	EPA 8260B	3010233	0.90	10	ND	10	01/13/03	01/13/03	
1,1-Dichloroethane	EPA 8260B	3010233	0.40	10	**50**	10	01/13/03	01/13/03	
1,2-Dichloroethane	EPA 8260B	3010233	0.80	10	**56**	10	01/13/03	01/13/03	
1,1-Dichloroethene	EPA 8260B	3010233	0.60	10	**35**	10	01/13/03	01/13/03	
cis-1,2-Dichloroethene	EPA 8260B	3010233	0.90	10	**12**	10	01/13/03	01/13/03	
trans-1,2-Dichloroethene	EPA 8260B	3010233	0.90	10	ND	10	01/13/03	01/13/03	
1,2-Dichloropropane	EPA 8260B	3010233	0.70	10	ND	10	01/13/03	01/13/03	
cis-1,3-Dichloropropene	EPA 8260B	3010233	0.80	10	ND	10	01/13/03	01/13/03	
trans-1,3-Dichloropropene	EPA 8260B	3010233	0.70	10	ND	10	01/13/03	01/13/03	
Ethylbenzene	EPA 8260B	3010233	1.0	10	**130**	10	01/13/03	01/13/03	
Ethyl methacrylate	EPA 8260B	3010233	16	50	ND	10	01/13/03	01/13/03	
2-Hexanone	EPA 8260B	3010233	9.6	100	ND	10	01/13/03	01/13/03	
Iodomethane	EPA 8260B	3010233	8.0	100	ND	10	01/13/03	01/13/03	
Isobutanol	EPA 8260B	3010233	200	5000	ND	10	01/13/03	01/13/03	
Methacrylonitrile	EPA 8260B	3010233	17	100	ND	10	01/13/03	01/13/03	
Methylene chloride	EPA 8260B	3010233	0.60	10	**2.7**	10	01/13/03	01/13/03	J
Methyl methacrylate	EPA 8260B	3010233	16	50	ND	10	01/13/03	01/13/03	

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Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
4-Methyl-2-pentanone	EPA 8260B	3010233	11	100	ND	10	01/13/03	01/13/03	
Propionitrile	EPA 8260B	3010233	150	1000	ND	10	01/13/03	01/13/03	
Styrene	EPA 8260B	3010233	0.90	10	ND	10	01/13/03	01/13/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3010233	1.7	10	ND	10	01/13/03	01/13/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3010233	0.80	10	ND	10	01/13/03	01/13/03	
Tetrachloroethene	EPA 8260B	3010233	0.80	10	**1.7**	10	01/13/03	01/13/03	J
Toluene	EPA 8260B	3010233	0.70	10	ND	10	01/13/03	01/13/03	
1,1,2-Trichloroethane	EPA 8260B	3010233	0.80	10	ND	10	01/13/03	01/13/03	
1,1,1-Trichloroethane	EPA 8260B	3010233	0.50	10	ND	10	01/13/03	01/13/03	
Trichloroethene	EPA 8260B	3010233	0.60	10	**190**	10	01/13/03	01/13/03	
Trichlorofluoromethane	EPA 8260B	3010233	0.70	10	ND	10	01/13/03	01/13/03	
Vinyl acetate	EPA 8260B	3010233	16	200	ND	10	01/13/03	01/13/03	
Vinyl chloride	EPA 8260B	3010233	0.60	10	ND	10	01/13/03	01/13/03	
m,p-Xylene	EPA 8260B	3010233	2.1	10	**110**	10	01/13/03	01/13/03	
o-Xylene	EPA 8260B	3010233	0.70	10	ND	10	01/13/03	01/13/03	
Surrogate: Dibromofluoromethane (84-122%)					*104 %*				
Surrogate: 1,2-Dichloroethane-d4 (74-135%)					*102 %*				
Surrogate: Toluene-d8 (84-119%)					*104 %*				
Surrogate: 4-Bromofluorobenzene (86-119%)					*105 %*				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
Acetone	EPA 8260B	3010233	1.8	10	ND	1	01/13/03	01/13/03	
Acetonitrile	EPA 8260B	3010233	19	100	ND	1	01/13/03	01/13/03	
Acrolein	EPA 8260B	3010233	1.8	20	ND	1	01/13/03	01/13/03	
Acrylonitrile	EPA 8260B	3010233	1.1	20	ND	1	01/13/03	01/13/03	
Allyl chloride	EPA 8260B	3010233	0.98	10	ND	1	01/13/03	01/13/03	
Benzene	EPA 8260B	3010233	0.050	1.0	**0.057**	1	01/13/03	01/13/03	J
Bromodichloromethane	EPA 8260B	3010233	0.050	1.0	ND	1	01/13/03	01/13/03	
Bromoform	EPA 8260B	3010233	0.11	1.0	ND	1	01/13/03	01/13/03	
Bromomethane	EPA 8260B	3010233	0.19	1.0	ND	1	01/13/03	01/13/03	
2-Butanone	EPA 8260B	3010233	0.70	10	ND	1	01/13/03	01/13/03	
Carbon disulfide	EPA 8260B	3010233	1.4	10	ND	1	01/13/03	01/13/03	
Carbon tetrachloride	EPA 8260B	3010233	0.060	1.0	ND	1	01/13/03	01/13/03	
Chlorobenzene	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
Chloroethane	EPA 8260B	3010233	0.11	1.0	ND	1	01/13/03	01/13/03	
Chloroform	EPA 8260B	3010233	0.070	1.0	**0.29**	1	01/13/03	01/13/03	J
Chloromethane	EPA 8260B	3010233	0.14	1.0	ND	1	01/13/03	01/13/03	
Chloroprene	EPA 8260B	3010233	5.0	5.0	ND	1	01/13/03	01/13/03	
Dibromochloromethane	EPA 8260B	3010233	0.060	1.0	ND	1	01/13/03	01/13/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3010233	0.040	1.0	ND	1	01/13/03	01/13/03	
Dibromomethane	EPA 8260B	3010233	0.090	1.0	ND	1	01/13/03	01/13/03	

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Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
trans-1,4-Dichloro-2-butene	EPA 8260B	3010233	1.7	20	ND	1	01/13/03	01/13/03	
1,2-Dichlorobenzene	EPA 8260B	3010233	0.11	1.0	ND	1	01/13/03	01/13/03	
1,3-Dichlorobenzene	EPA 8260B	3010233	0.13	1.0	ND	1	01/13/03	01/13/03	
1,4-Dichlorobenzene	EPA 8260B	3010233	0.11	1.0	ND	1	01/13/03	01/13/03	
Dichlorodifluoromethane	EPA 8260B	3010233	0.090	1.0	**0.090**	1	01/13/03	01/13/03	J
1,1-Dichloroethane	EPA 8260B	3010233	0.040	1.0	**13**	1	01/13/03	01/13/03	
1,2-Dichloroethane	EPA 8260B	3010233	0.080	1.0	**1.8**	1	01/13/03	01/13/03	
1,1-Dichloroethene	EPA 8260B	3010233	0.060	1.0	**1.8**	1	01/13/03	01/13/03	
cis-1,2-Dichloroethene	EPA 8260B	3010233	0.090	1.0	**3.0**	1	01/13/03	01/13/03	
trans-1,2-Dichloroethene	EPA 8260B	3010233	0.090	1.0	**0.38**	1	01/13/03	01/13/03	J
1,2-Dichloropropane	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
cis-1,3-Dichloropropene	EPA 8260B	3010233	0.080	1.0	ND	1	01/13/03	01/13/03	
trans-1,3-Dichloropropene	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
Ethylbenzene	EPA 8260B	3010233	0.10	1.0	ND	1	01/13/03	01/13/03	
Ethyl methacrylate	EPA 8260B	3010233	1.6	5.0	ND	1	01/13/03	01/13/03	
2-Hexanone	EPA 8260B	3010233	0.96	10	ND	1	01/13/03	01/13/03	
Iodomethane	EPA 8260B	3010233	0.80	10	ND	1	01/13/03	01/13/03	
Isobutanol	EPA 8260B	3010233	20	500	ND	1	01/13/03	01/13/03	
Methacrylonitrile	EPA 8260B	3010233	1.7	10	ND	1	01/13/03	01/13/03	
Methylene chloride	EPA 8260B	3010233	0.060	1.0	**0.60**	1	01/13/03	01/13/03	J
Methyl methacrylate	EPA 8260B	3010233	1.6	5.0	ND	1	01/13/03	01/13/03	
4-Methyl-2-pentanone	EPA 8260B	3010233	1.1	10	ND	1	01/13/03	01/13/03	
Propionitrile	EPA 8260B	3010233	15	100	ND	1	01/13/03	01/13/03	
Styrene	EPA 8260B	3010233	0.090	1.0	ND	1	01/13/03	01/13/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3010233	0.17	1.0	ND	1	01/13/03	01/13/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3010233	0.080	1.0	ND	1	01/13/03	01/13/03	
Tetrachloroethene	EPA 8260B	3010233	0.080	1.0	**1.0**	1	01/13/03	01/13/03	
Toluene	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
1,1,2-Trichloroethane	EPA 8260B	3010233	0.080	1.0	ND	1	01/13/03	01/13/03	
1,1,1-Trichloroethane	EPA 8260B	3010233	0.050	1.0	ND	1	01/13/03	01/13/03	
Trichloroethene	EPA 8260B	3010233	0.060	1.0	**13**	1	01/13/03	01/13/03	
Trichlorofluoromethane	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
Vinyl acetate	EPA 8260B	3010233	1.6	20	ND	1	01/13/03	01/13/03	
Vinyl chloride	EPA 8260B	3010233	0.060	1.0	**0.12**	1	01/13/03	01/13/03	J
m,p-Xylene	EPA 8260B	3010233	0.21	1.0	ND	1	01/13/03	01/13/03	
o-Xylene	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
Surrogate: Dibromofluoromethane (84-122%)					*107 %*				
Surrogate: 1,2-Dichloroethane-d4 (74-135%)					*105 %*				
Surrogate: Toluene-d8 (84-119%)					*102 %*				
Surrogate: 4-Bromofluorobenzene (86-119%)					*107 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
Acetone	EPA 8260B	3010233	4.5	25	ND	2.5	01/13/03	01/13/03	
Acetonitrile	EPA 8260B	3010233	48	250	ND	2.5	01/13/03	01/13/03	
Acrolein	EPA 8260B	3010233	4.6	50	ND	2.5	01/13/03	01/13/03	
Acrylonitrile	EPA 8260B	3010233	2.8	50	ND	2.5	01/13/03	01/13/03	
Allyl chloride	EPA 8260B	3010233	2.4	25	ND	2.5	01/13/03	01/13/03	
Benzene	EPA 8260B	3010233	0.12	2.5	**3.8**	2.5	01/13/03	01/13/03	
Bromodichloromethane	EPA 8260B	3010233	0.12	2.5	ND	2.5	01/13/03	01/13/03	
Bromoform	EPA 8260B	3010233	0.28	2.5	ND	2.5	01/13/03	01/13/03	
Bromomethane	EPA 8260B	3010233	0.48	2.5	ND	2.5	01/13/03	01/13/03	
2-Butanone	EPA 8260B	3010233	1.8	25	ND	2.5	01/13/03	01/13/03	
Carbon disulfide	EPA 8260B	3010233	3.4	25	ND	2.5	01/13/03	01/13/03	
Carbon tetrachloride	EPA 8260B	3010233	0.15	2.5	ND	2.5	01/13/03	01/13/03	
Chlorobenzene	EPA 8260B	3010233	0.18	2.5	**1.5**	2.5	01/13/03	01/13/03	J
Chloroethane	EPA 8260B	3010233	0.28	2.5	**0.47**	2.5	01/13/03	01/13/03	J
Chloroform	EPA 8260B	3010233	0.18	2.5	**8.1**	2.5	01/13/03	01/13/03	
Chloromethane	EPA 8260B	3010233	0.35	2.5	ND	2.5	01/13/03	01/13/03	
Chloroprene	EPA 8260B	3010233	12	12	ND	2.5	01/13/03	01/13/03	
Dibromochloromethane	EPA 8260B	3010233	0.15	2.5	ND	2.5	01/13/03	01/13/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3010233	0.10	2.5	ND	2.5	01/13/03	01/13/03	
Dibromomethane	EPA 8260B	3010233	0.22	2.5	ND	2.5	01/13/03	01/13/03	
trans-1,4-Dichloro-2-butene	EPA 8260B	3010233	4.2	50	ND	2.5	01/13/03	01/13/03	
1,2-Dichlorobenzene	EPA 8260B	3010233	0.28	2.5	ND	2.5	01/13/03	01/13/03	
1,3-Dichlorobenzene	EPA 8260B	3010233	0.32	2.5	ND	2.5	01/13/03	01/13/03	
1,4-Dichlorobenzene	EPA 8260B	3010233	0.28	2.5	ND	2.5	01/13/03	01/13/03	
Dichlorodifluoromethane	EPA 8260B	3010233	0.22	2.5	ND	2.5	01/13/03	01/13/03	
1,1-Dichloroethane	EPA 8260B	3010233	0.10	2.5	**110**	2.5	01/13/03	01/13/03	
1,2-Dichloroethane	EPA 8260B	3010233	0.20	2.5	**67**	2.5	01/13/03	01/13/03	
1,1-Dichloroethene	EPA 8260B	3010233	0.15	2.5	**45**	2.5	01/13/03	01/13/03	
cis-1,2-Dichloroethene	EPA 8260B	3010233	0.22	2.5	**130**	2.5	01/13/03	01/13/03	E
trans-1,2-Dichloroethene	EPA 8260B	3010233	0.22	2.5	**2.3**	2.5	01/13/03	01/13/03	J
1,2-Dichloropropane	EPA 8260B	3010233	0.18	2.5	ND	2.5	01/13/03	01/13/03	
cis-1,3-Dichloropropene	EPA 8260B	3010233	0.20	2.5	ND	2.5	01/13/03	01/13/03	
trans-1,3-Dichloropropene	EPA 8260B	3010233	0.18	2.5	ND	2.5	01/13/03	01/13/03	
Ethylbenzene	EPA 8260B	3010233	0.25	2.5	**51**	2.5	01/13/03	01/13/03	
Ethyl methacrylate	EPA 8260B	3010233	4.0	12	ND	2.5	01/13/03	01/13/03	
2-Hexanone	EPA 8260B	3010233	2.4	25	ND	2.5	01/13/03	01/13/03	
Iodomethane	EPA 8260B	3010233	2.0	25	ND	2.5	01/13/03	01/13/03	
Isobutanol	EPA 8260B	3010233	50	1200	ND	2.5	01/13/03	01/13/03	
Methacrylonitrile	EPA 8260B	3010233	4.4	25	ND	2.5	01/13/03	01/13/03	
Methylene chloride	EPA 8260B	3010233	0.15	2.5	**30**	2.5	01/13/03	01/13/03	
Methyl methacrylate	EPA 8260B	3010233	4.0	12	ND	2.5	01/13/03	01/13/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
4-Methyl-2-pentanone	EPA 8260B	3010233	2.7	25	ND	2.5	01/13/03	01/13/03	
Propionitrile	EPA 8260B	3010233	37	250	ND	2.5	01/13/03	01/13/03	
Styrene	EPA 8260B	3010233	0.22	2.5	ND	2.5	01/13/03	01/13/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3010233	0.42	2.5	ND	2.5	01/13/03	01/13/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3010233	0.20	2.5	ND	2.5	01/13/03	01/13/03	
Tetrachloroethene	EPA 8260B	3010233	0.20	2.5	**1.9**	2.5	01/13/03	01/13/03	J
Toluene	EPA 8260B	3010233	0.18	2.5	**0.37**	2.5	01/13/03	01/13/03	J
1,1,2-Trichloroethane	EPA 8260B	3010233	0.20	2.5	ND	2.5	01/13/03	01/13/03	
1,1,1-Trichloroethane	EPA 8260B	3010233	0.12	2.5	ND	2.5	01/13/03	01/13/03	
Trichloroethene	EPA 8260B	3010233	0.15	2.5	**85**	2.5	01/13/03	01/13/03	
Trichlorofluoromethane	EPA 8260B	3010233	0.18	2.5	ND	2.5	01/13/03	01/13/03	
Vinyl acetate	EPA 8260B	3010233	4.1	50	ND	2.5	01/13/03	01/13/03	
Vinyl chloride	EPA 8260B	3010233	0.15	2.5	**0.39**	2.5	01/13/03	01/13/03	J
m,p-Xylene	EPA 8260B	3010233	0.52	2.5	**65**	2.5	01/13/03	01/13/03	
o-Xylene	EPA 8260B	3010233	0.18	2.5	**16**	2.5	01/13/03	01/13/03	
Surrogate: Dibromofluoromethane (84-122%)					*107 %*				
Surrogate: 1,2-Dichloroethane-d4 (74-135%)					*100 %*				
Surrogate: Toluene-d8 (84-119%)					*103 %*				
Surrogate: 4-Bromofluorobenzene (86-119%)					*106 %*				
Sample ID: ILL1698-03RE1 (PTI-MW04-056 - Water)									**HT-04**
cis-1,2-Dichloroethene	EPA 8260B	3010399	0.45	5.0	**130**	5	01/17/03	01/17/03	
Surrogate: Dibromofluoromethane (84-122%)					*111 %*				
Surrogate: 1,2-Dichloroethane-d4 (74-135%)					*113 %*				
Surrogate: Toluene-d8 (84-119%)					*103 %*				
Surrogate: 4-Bromofluorobenzene (86-119%)					*106 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
Acetone	EPA 8260B	3010233	36	200	ND	20	01/13/03	01/13/03	
Acetonitrile	EPA 8260B	3010233	380	2000	ND	20	01/13/03	01/13/03	
Acrolein	EPA 8260B	3010233	37	400	ND	20	01/13/03	01/13/03	
Acrylonitrile	EPA 8260B	3010233	22	400	ND	20	01/13/03	01/13/03	
Allyl chloride	EPA 8260B	3010233	20	200	ND	20	01/13/03	01/13/03	
Benzene	EPA 8260B	3010233	1.0	20	**1.4**	20	01/13/03	01/13/03	J
Bromodichloromethane	EPA 8260B	3010233	1.0	20	ND	20	01/13/03	01/13/03	
Bromoform	EPA 8260B	3010233	2.2	20	ND	20	01/13/03	01/13/03	
Bromomethane	EPA 8260B	3010233	3.8	20	ND	20	01/13/03	01/13/03	
2-Butanone	EPA 8260B	3010233	14	200	ND	20	01/13/03	01/13/03	
Carbon disulfide	EPA 8260B	3010233	27	200	ND	20	01/13/03	01/13/03	
Carbon tetrachloride	EPA 8260B	3010233	1.2	20	ND	20	01/13/03	01/13/03	
Chlorobenzene	EPA 8260B	3010233	1.4	20	**3.5**	20	01/13/03	01/13/03	J
Chloroethane	EPA 8260B	3010233	2.2	20	ND	20	01/13/03	01/13/03	
Chloroform	EPA 8260B	3010233	1.4	20	**15**	20	01/13/03	01/13/03	J
Chloromethane	EPA 8260B	3010233	2.8	20	ND	20	01/13/03	01/13/03	
Chloroprene	EPA 8260B	3010233	100	100	ND	20	01/13/03	01/13/03	
Dibromochloromethane	EPA 8260B	3010233	1.2	20	ND	20	01/13/03	01/13/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3010233	0.80	20	ND	20	01/13/03	01/13/03	
Dibromomethane	EPA 8260B	3010233	1.8	20	ND	20	01/13/03	01/13/03	
trans-1,4-Dichloro-2-butene	EPA 8260B	3010233	34	400	ND	20	01/13/03	01/13/03	
1,2-Dichlorobenzene	EPA 8260B	3010233	2.2	20	**3.2**	20	01/13/03	01/13/03	J
1,3-Dichlorobenzene	EPA 8260B	3010233	2.6	20	ND	20	01/13/03	01/13/03	
1,4-Dichlorobenzene	EPA 8260B	3010233	2.2	20	ND	20	01/13/03	01/13/03	
Dichlorodifluoromethane	EPA 8260B	3010233	1.8	20	ND	20	01/13/03	01/13/03	
1,1-Dichloroethane	EPA 8260B	3010233	0.80	20	**110**	20	01/13/03	01/13/03	
1,2-Dichloroethane	EPA 8260B	3010233	1.6	20	**100**	20	01/13/03	01/13/03	
1,1-Dichloroethene	EPA 8260B	3010233	1.2	20	**42**	20	01/13/03	01/13/03	
cis-1,2-Dichloroethene	EPA 8260B	3010233	1.8	20	**22**	20	01/13/03	01/13/03	
trans-1,2-Dichloroethene	EPA 8260B	3010233	1.8	20	ND	20	01/13/03	01/13/03	
1,2-Dichloropropane	EPA 8260B	3010233	1.4	20	ND	20	01/13/03	01/13/03	
cis-1,3-Dichloropropene	EPA 8260B	3010233	1.6	20	ND	20	01/13/03	01/13/03	
trans-1,3-Dichloropropene	EPA 8260B	3010233	1.4	20	ND	20	01/13/03	01/13/03	
Ethylbenzene	EPA 8260B	3010233	2.0	20	**31**	20	01/13/03	01/13/03	
Ethyl methacrylate	EPA 8260B	3010233	32	100	ND	20	01/13/03	01/13/03	
2-Hexanone	EPA 8260B	3010233	19	200	ND	20	01/13/03	01/13/03	
Iodomethane	EPA 8260B	3010233	16	200	ND	20	01/13/03	01/13/03	
Isobutanol	EPA 8260B	3010233	400	10000	ND	20	01/13/03	01/13/03	
Methacrylonitrile	EPA 8260B	3010233	35	200	ND	20	01/13/03	01/13/03	
Methylene chloride	EPA 8260B	3010233	1.2	20	ND	20	01/13/03	01/13/03	
Methyl methacrylate	EPA 8260B	3010233	32	100	ND	20	01/13/03	01/13/03	

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Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
4-Methyl-2-pentanone	EPA 8260B	3010233	22	200	ND	20	01/13/03	01/13/03	
Propionitrile	EPA 8260B	3010233	290	2000	ND	20	01/13/03	01/13/03	
Styrene	EPA 8260B	3010233	1.8	20	ND	20	01/13/03	01/13/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3010233	3.4	20	ND	20	01/13/03	01/13/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3010233	1.6	20	ND	20	01/13/03	01/13/03	
Tetrachloroethene	EPA 8260B	3010233	1.6	20	**3.4**	20	01/13/03	01/13/03	J
Toluene	EPA 8260B	3010233	1.4	20	ND	20	01/13/03	01/13/03	
1,1,2-Trichloroethane	EPA 8260B	3010233	1.6	20	ND	20	01/13/03	01/13/03	
1,1,1-Trichloroethane	EPA 8260B	3010233	1.0	20	ND	20	01/13/03	01/13/03	
Trichloroethene	EPA 8260B	3010233	1.2	20	**550**	20	01/13/03	01/13/03	
Trichlorofluoromethane	EPA 8260B	3010233	1.4	20	ND	20	01/13/03	01/13/03	
Vinyl acetate	EPA 8260B	3010233	33	400	ND	20	01/13/03	01/13/03	
Vinyl chloride	EPA 8260B	3010233	1.2	20	ND	20	01/13/03	01/13/03	
m,p-Xylene	EPA 8260B	3010233	4.2	20	ND	20	01/13/03	01/13/03	
o-Xylene	EPA 8260B	3010233	1.4	20	ND	20	01/13/03	01/13/03	
Surrogate: Dibromofluoromethane (84-122%)					*106 %*				
Surrogate: 1,2-Dichloroethane-d4 (74-135%)					*103 %*				
Surrogate: Toluene-d8 (84-119%)					*102 %*				
Surrogate: 4-Bromofluorobenzene (86-119%)					*106 %*				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
Acetone	EPA 8260B	3010233	9.0	50	ND	5	01/13/03	01/13/03	
Acetonitrile	EPA 8260B	3010233	96	500	ND	5	01/13/03	01/13/03	
Acrolein	EPA 8260B	3010233	9.2	100	ND	5	01/13/03	01/13/03	
Acrylonitrile	EPA 8260B	3010233	5.6	100	ND	5	01/13/03	01/13/03	
Allyl chloride	EPA 8260B	3010233	4.9	50	ND	5	01/13/03	01/13/03	
Benzene	EPA 8260B	3010233	0.25	5.0	**3.8**	5	01/13/03	01/13/03	J
Bromodichloromethane	EPA 8260B	3010233	0.25	5.0	ND	5	01/13/03	01/13/03	
Bromoform	EPA 8260B	3010233	0.55	5.0	ND	5	01/13/03	01/13/03	
Bromomethane	EPA 8260B	3010233	0.95	5.0	ND	5	01/13/03	01/13/03	
2-Butanone	EPA 8260B	3010233	3.5	50	ND	5	01/13/03	01/13/03	
Carbon disulfide	EPA 8260B	3010233	6.8	50	ND	5	01/13/03	01/13/03	
Carbon tetrachloride	EPA 8260B	3010233	0.30	5.0	ND	5	01/13/03	01/13/03	
Chlorobenzene	EPA 8260B	3010233	0.35	5.0	**1.6**	5	01/13/03	01/13/03	J
Chloroethane	EPA 8260B	3010233	0.55	5.0	ND	5	01/13/03	01/13/03	
Chloroform	EPA 8260B	3010233	0.35	5.0	**9.7**	5	01/13/03	01/13/03	
Chloromethane	EPA 8260B	3010233	0.70	5.0	ND	5	01/13/03	01/13/03	
Chloroprene	EPA 8260B	3010233	25	25	ND	5	01/13/03	01/13/03	
Dibromochloromethane	EPA 8260B	3010233	0.30	5.0	ND	5	01/13/03	01/13/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3010233	0.20	5.0	ND	5	01/13/03	01/13/03	
Dibromomethane	EPA 8260B	3010233	0.45	5.0	ND	5	01/13/03	01/13/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
trans-1,4-Dichloro-2-butene	EPA 8260B	3010233	8.4	100	ND	5	01/13/03	01/13/03	
1,2-Dichlorobenzene	EPA 8260B	3010233	0.55	5.0	ND	5	01/13/03	01/13/03	
1,3-Dichlorobenzene	EPA 8260B	3010233	0.65	5.0	ND	5	01/13/03	01/13/03	
1,4-Dichlorobenzene	EPA 8260B	3010233	0.55	5.0	ND	5	01/13/03	01/13/03	
Dichlorodifluoromethane	EPA 8260B	3010233	0.45	5.0	ND	5	01/13/03	01/13/03	
1,1-Dichloroethane	EPA 8260B	3010233	0.20	5.0	**120**	5	01/13/03	01/13/03	
1,2-Dichloroethane	EPA 8260B	3010233	0.40	5.0	**64**	5	01/13/03	01/13/03	
1,1-Dichloroethene	EPA 8260B	3010233	0.30	5.0	**48**	5	01/13/03	01/13/03	
cis-1,2-Dichloroethene	EPA 8260B	3010233	0.45	5.0	**140**	5	01/13/03	01/13/03	
trans-1,2-Dichloroethene	EPA 8260B	3010233	0.45	5.0	**2.8**	5	01/13/03	01/13/03	J
1,2-Dichloropropane	EPA 8260B	3010233	0.35	5.0	ND	5	01/13/03	01/13/03	
cis-1,3-Dichloropropene	EPA 8260B	3010233	0.40	5.0	ND	5	01/13/03	01/13/03	
trans-1,3-Dichloropropene	EPA 8260B	3010233	0.35	5.0	ND	5	01/13/03	01/13/03	
Ethylbenzene	EPA 8260B	3010233	0.50	5.0	**49**	5	01/13/03	01/13/03	
Ethyl methacrylate	EPA 8260B	3010233	8.0	25	ND	5	01/13/03	01/13/03	
2-Hexanone	EPA 8260B	3010233	4.8	50	ND	5	01/13/03	01/13/03	
Iodomethane	EPA 8260B	3010233	4.0	50	ND	5	01/13/03	01/13/03	
Isobutanol	EPA 8260B	3010233	100	2500	ND	5	01/13/03	01/13/03	
Methacrylonitrile	EPA 8260B	3010233	8.7	50	ND	5	01/13/03	01/13/03	
Methylene chloride	EPA 8260B	3010233	0.30	5.0	**36**	5	01/13/03	01/13/03	
Methyl methacrylate	EPA 8260B	3010233	8.0	25	ND	5	01/13/03	01/13/03	
4-Methyl-2-pentanone	EPA 8260B	3010233	5.4	50	ND	5	01/13/03	01/13/03	
Propionitrile	EPA 8260B	3010233	74	500	ND	5	01/13/03	01/13/03	
Styrene	EPA 8260B	3010233	0.45	5.0	ND	5	01/13/03	01/13/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3010233	0.85	5.0	ND	5	01/13/03	01/13/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3010233	0.40	5.0	ND	5	01/13/03	01/13/03	
Tetrachloroethene	EPA 8260B	3010233	0.40	5.0	**2.1**	5	01/13/03	01/13/03	J
Toluene	EPA 8260B	3010233	0.35	5.0	**0.40**	5	01/13/03	01/13/03	J
1,1,2-Trichloroethane	EPA 8260B	3010233	0.40	5.0	ND	5	01/13/03	01/13/03	
1,1,1-Trichloroethane	EPA 8260B	3010233	0.25	5.0	ND	5	01/13/03	01/13/03	
Trichloroethene	EPA 8260B	3010233	0.30	5.0	**99**	5	01/13/03	01/13/03	
Trichlorofluoromethane	EPA 8260B	3010233	0.35	5.0	ND	5	01/13/03	01/13/03	
Vinyl acetate	EPA 8260B	3010233	8.2	100	ND	5	01/13/03	01/13/03	
Vinyl chloride	EPA 8260B	3010233	0.30	5.0	**0.34**	5	01/13/03	01/13/03	J
m,p-Xylene	EPA 8260B	3010233	1.0	5.0	**62**	5	01/13/03	01/13/03	
o-Xylene	EPA 8260B	3010233	0.35	5.0	**16**	5	01/13/03	01/13/03	
Surrogate: Dibromofluoromethane (84-122%)					*108 %*				
Surrogate: 1,2-Dichloroethane-d4 (74-135%)					*107 %*				
Surrogate: Toluene-d8 (84-119%)					*104 %*				
Surrogate: 4-Bromofluorobenzene (86-119%)					*108 %*				

Del Mar Analytical, Irvine
Patty Mata
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Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-06 (PTI-EB01-056 - Water)									
Acetone	EPA 8260B	3010233	1.8	10	ND	1	01/13/03	01/13/03	
Acetonitrile	EPA 8260B	3010233	19	100	ND	1	01/13/03	01/13/03	
Acrolein	EPA 8260B	3010233	1.8	20	ND	1	01/13/03	01/13/03	
Acrylonitrile	EPA 8260B	3010233	1.1	20	ND	1	01/13/03	01/13/03	
Allyl chloride	EPA 8260B	3010233	0.98	10	ND	1	01/13/03	01/13/03	
Benzene	EPA 8260B	3010233	0.050	1.0	ND	1	01/13/03	01/13/03	
Bromodichloromethane	EPA 8260B	3010233	0.050	1.0	ND	1	01/13/03	01/13/03	
Bromoform	EPA 8260B	3010233	0.11	1.0	ND	1	01/13/03	01/13/03	
Bromomethane	EPA 8260B	3010233	0.19	1.0	ND	1	01/13/03	01/13/03	
2-Butanone	EPA 8260B	3010233	0.70	10	ND	1	01/13/03	01/13/03	
Carbon disulfide	EPA 8260B	3010233	1.4	10	ND	1	01/13/03	01/13/03	
Carbon tetrachloride	EPA 8260B	3010233	0.060	1.0	ND	1	01/13/03	01/13/03	
Chlorobenzene	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
Chloroethane	EPA 8260B	3010233	0.11	1.0	ND	1	01/13/03	01/13/03	
Chloroform	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
Chloromethane	EPA 8260B	3010233	0.14	1.0	ND	1	01/13/03	01/13/03	
Chloroprene	EPA 8260B	3010233	5.0	5.0	ND	1	01/13/03	01/13/03	
Dibromochloromethane	EPA 8260B	3010233	0.060	1.0	ND	1	01/13/03	01/13/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3010233	0.040	1.0	ND	1	01/13/03	01/13/03	
Dibromomethane	EPA 8260B	3010233	0.090	1.0	ND	1	01/13/03	01/13/03	
trans-1,4-Dichloro-2-butene	EPA 8260B	3010233	1.7	20	ND	1	01/13/03	01/13/03	
1,2-Dichlorobenzene	EPA 8260B	3010233	0.11	1.0	ND	1	01/13/03	01/13/03	
1,3-Dichlorobenzene	EPA 8260B	3010233	0.13	1.0	ND	1	01/13/03	01/13/03	
1,4-Dichlorobenzene	EPA 8260B	3010233	0.11	1.0	ND	1	01/13/03	01/13/03	
Dichlorodifluoromethane	EPA 8260B	3010233	0.090	1.0	ND	1	01/13/03	01/13/03	
1,1-Dichloroethane	EPA 8260B	3010233	0.040	1.0	ND	1	01/13/03	01/13/03	
1,2-Dichloroethane	EPA 8260B	3010233	0.080	1.0	ND	1	01/13/03	01/13/03	
1,1-Dichloroethene	EPA 8260B	3010233	0.060	1.0	ND	1	01/13/03	01/13/03	
cis-1,2-Dichloroethene	EPA 8260B	3010233	0.090	1.0	ND	1	01/13/03	01/13/03	
trans-1,2-Dichloroethene	EPA 8260B	3010233	0.090	1.0	ND	1	01/13/03	01/13/03	
1,2-Dichloropropane	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
cis-1,3-Dichloropropene	EPA 8260B	3010233	0.080	1.0	ND	1	01/13/03	01/13/03	
trans-1,3-Dichloropropene	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
Ethylbenzene	EPA 8260B	3010233	0.10	1.0	ND	1	01/13/03	01/13/03	
Ethyl methacrylate	EPA 8260B	3010233	1.6	5.0	ND	1	01/13/03	01/13/03	
2-Hexanone	EPA 8260B	3010233	0.96	10	ND	1	01/13/03	01/13/03	
Iodomethane	EPA 8260B	3010233	0.80	10	ND	1	01/13/03	01/13/03	
Isobutanol	EPA 8260B	3010233	20	500	ND	1	01/13/03	01/13/03	
Methacrylonitrile	EPA 8260B	3010233	1.7	10	ND	1	01/13/03	01/13/03	
Methylene chloride	EPA 8260B	3010233	0.060	1.0	**0.86**	1	01/13/03	01/13/03	J
Methyl methacrylate	EPA 8260B	3010233	1.6	5.0	ND	1	01/13/03	01/13/03	

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Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Volatile Organic Compounds by EPA Method 8260B

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-06 (PTI-EB01-056 - Water)									
4-Methyl-2-pentanone	EPA 8260B	3010233	1.1	10	ND	1	01/13/03	01/13/03	
Propionitrile	EPA 8260B	3010233	15	100	ND	1	01/13/03	01/13/03	
Styrene	EPA 8260B	3010233	0.090	1.0	ND	1	01/13/03	01/13/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3010233	0.17	1.0	ND	1	01/13/03	01/13/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3010233	0.080	1.0	ND	1	01/13/03	01/13/03	
Tetrachloroethene	EPA 8260B	3010233	0.080	1.0	ND	1	01/13/03	01/13/03	
Toluene	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
1,1,2-Trichloroethane	EPA 8260B	3010233	0.080	1.0	ND	1	01/13/03	01/13/03	
1,1,1-Trichloroethane	EPA 8260B	3010233	0.050	1.0	ND	1	01/13/03	01/13/03	
Trichloroethene	EPA 8260B	3010233	0.060	1.0	ND	1	01/13/03	01/13/03	
Trichlorofluoromethane	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
Vinyl acetate	EPA 8260B	3010233	1.6	20	ND	1	01/13/03	01/13/03	
Vinyl chloride	EPA 8260B	3010233	0.060	1.0	ND	1	01/13/03	01/13/03	
m,p-Xylene	EPA 8260B	3010233	0.21	1.0	ND	1	01/13/03	01/13/03	
o-Xylene	EPA 8260B	3010233	0.070	1.0	ND	1	01/13/03	01/13/03	
Surrogate: Dibromofluoromethane (84-122%)					*108 %*				
Surrogate: 1,2-Dichloroethane-d4 (74-135%)					*102 %*				
Surrogate: Toluene-d8 (84-119%)					*102 %*				
Surrogate: 4-Bromofluorobenzene (86-119%)					*104 %*				

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Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
Acenaphthene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/06/03	
Acenaphthylene	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/06/03	
Acetophenone	EPA 8270C	3010041	10	10	**26**	1	01/03/03	02/06/03	
2-Acetylaminofluorene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
4-Aminobiphenyl	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Aniline	EPA 8270C	3010041	5.0	10	ND	1	01/03/03	02/06/03	
Anthracene	EPA 8270C	3010041	0.80	10	ND	1	01/03/03	02/06/03	
Aramite	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/06/03	
Benzo (a) anthracene	EPA 8270C	3010041	0.53	10	ND	1	01/03/03	02/06/03	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3010041	1.8	10	ND	1	01/03/03	02/06/03	
Benzo (g,h,i) perylene	EPA 8270C	3010041	0.98	10	ND	1	01/03/03	02/06/03	
Benzo (a) pyrene	EPA 8270C	3010041	0.97	10	ND	1	01/03/03	02/06/03	
Benzyl alcohol	EPA 8270C	3010041	3.1	20	ND	1	01/03/03	02/06/03	
Bis(2-chloroethoxy)methane	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/06/03	
Bis(2-chloroethyl)ether	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/06/03	
Bis(2-chloroisopropyl)ether	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/06/03	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3010041	3.6	10	**6.0**	1	01/03/03	02/06/03	J
4-Bromophenyl phenyl ether	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/06/03	
Butyl benzyl phthalate	EPA 8270C	3010041	0.91	10	ND	1	01/03/03	02/06/03	
4-Chloroaniline	EPA 8270C	3010041	2.9	20	ND	1	01/03/03	02/06/03	
Chlorobenzilate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
4-Chloro-3-methylphenol	EPA 8270C	3010041	4.0	20	ND	1	01/03/03	02/06/03	
2-Chloronaphthalene	EPA 8270C	3010041	3.0	10	ND	1	01/03/03	02/06/03	
2-Chlorophenol	EPA 8270C	3010041	4.9	10	ND	1	01/03/03	02/06/03	
4-Chlorophenyl phenyl ether	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/06/03	
Chrysene	EPA 8270C	3010041	0.96	10	ND	1	01/03/03	02/06/03	
Diallate (cis or trans)	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Dibenz (a,h) anthracene	EPA 8270C	3010041	0.89	10	ND	1	01/03/03	02/06/03	
Dibenzofuran	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/06/03	
Di-n-butyl phthalate	EPA 8270C	3010041	0.92	10	ND	1	01/03/03	02/06/03	
1,2-Dichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/06/03	
1,3-Dichlorobenzene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/06/03	
1,4-Dichlorobenzene	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/06/03	
3,3´-Dichlorobenzidine	EPA 8270C	3010041	5.0	20	ND	1	01/03/03	02/06/03	
2,4-Dichlorophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/06/03	
2,6-Dichlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Diethyl phthalate	EPA 8270C	3010041	1.2	10	ND	1	01/03/03	02/06/03	
Dimethylaminoazobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Dimethoate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
3,3´-Dimethylbenzidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	

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Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
a,a-Dimethylphenethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2,4-Dimethylphenol	EPA 8270C	3010041	6.0	10	ND	1	01/03/03	02/06/03	
Dimethyl phthalate	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/06/03	
1,3-Dinitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
4,6-Dinitro-2-methylphenol	EPA 8270C	3010041	2.2	50	ND	1	01/03/03	02/06/03	
2,4-Dinitrophenol	EPA 8270C	3010041	1.3	50	ND	1	01/03/03	02/06/03	
2,4-Dinitrotoluene	EPA 8270C	3010041	1.3	10	ND	1	01/03/03	02/06/03	
2,6-Dinitrotoluene	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/06/03	
Di-n-octyl phthalate	EPA 8270C	3010041	0.93	10	ND	1	01/03/03	02/06/03	
Diphenylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Ethyl methacrylate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Ethyl methanesulfonate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Famphur	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/06/03	
Fluoranthene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/06/03	
Fluorene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/06/03	
Hexachlorobenzene	EPA 8270C	3010041	1.7	10	ND	1	01/03/03	02/06/03	
Hexachlorobutadiene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/06/03	
Hexachlorocyclopentadiene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/06/03	
Hexachloroethane	EPA 8270C	3010041	2.4	10	ND	1	01/03/03	02/06/03	
Hexachlorophene	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/06/03	
Hexachloropropene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/06/03	
Isodrin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Isophorone	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/06/03	
Isosafrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Kepone	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/06/03	
Methapyrilene	EPA 8270C	3010041	100	100	ND	1	01/03/03	02/06/03	
3-Methylcholanthrene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Methyl methanesulfonate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2-Methylnaphthalene	EPA 8270C	3010041	3.5	10	ND	1	01/03/03	02/06/03	
2-Methylphenol	EPA 8270C	3010041	5.3	10	ND	1	01/03/03	02/06/03	
3-Methylphenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
4-Methylphenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/06/03	
Naphthalene	EPA 8270C	3010041	3.8	10	ND	1	01/03/03	02/06/03	
1,4-Naphthoquinone	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
1-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2-Nitroaniline	EPA 8270C	3010041	2.6	50	ND	1	01/03/03	02/06/03	
3-Nitroaniline	EPA 8270C	3010041	4.0	50	ND	1	01/03/03	02/06/03	
4-Nitroaniline	EPA 8270C	3010041	5.0	50	ND	1	01/03/03	02/06/03	
Nitrobenzene	EPA 8270C	3010041	3.3	10	ND	1	01/03/03	02/06/03	

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Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-01 (PTI-MW14S-056 - Water)									
2-Nitrophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/06/03	
4-Nitrophenol	EPA 8270C	3010041	1.7	50	ND	1	01/03/03	02/06/03	
N-Nitrosodi-n-butylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
N-Nitrosodiethylamine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
N-Nitrosodimethylamine	EPA 8270C	3010041	2.4	20	ND	1	01/03/03	02/06/03	
N-Nitrosodiphenylamine	EPA 8270C	3010041	2.8	10	ND	1	01/03/03	02/06/03	
N-Nitrosodi-n-propylamine	EPA 8270C	3010041	3.7	10	ND	1	01/03/03	02/06/03	
N-Nitrosomethylethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
N-Nitrosomorpholine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
N-Nitrosopiperidine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
N-Nitrosopyrrolidine	EPA 8270C	3010041	40	40	ND	1	01/03/03	02/06/03	
5-Nitro-o-toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
4-Nitroquinoline-n-oxide	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/06/03	
Pentachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Pentachloroethane	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Pentachloronitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Pentachlorophenol	EPA 8270C	3010041	2.1	50	ND	1	01/03/03	02/06/03	
Phenacetin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Phenanthrene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/06/03	
Phenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/06/03	
1,4-Phenylenediamine	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/06/03	
2-Picoline	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Pronamide	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Pyrene	EPA 8270C	3010041	0.72	10	ND	1	01/03/03	02/06/03	
Pyridine	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/06/03	
Safrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Thionazin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
o-Toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
1,2,4-Trichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/06/03	
2,4,5-Trichlorophenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/06/03	
2,4,6-Trichlorophenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/06/03	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
1,3,5-Trinitrobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Surrogate: 2-Fluorophenol (15-103%)					*56 %*				
Surrogate: Phenol-d6 (18-115%)					*61 %*				
Surrogate: Nitrobenzene-d5 (39-103%)					*69 %*				
Surrogate: 2-Fluorobiphenyl (40-124%)					*69 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)					*69 %*				
Surrogate: Terphenyl-d14 (56-139%)					*29 %*				*S-BN*

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
Acenaphthene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/06/03	
Acenaphthylene	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/06/03	
Acetophenone	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2-Acetylaminofluorene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
4-Aminobiphenyl	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Aniline	EPA 8270C	3010041	5.0	10	ND	1	01/03/03	02/06/03	
Anthracene	EPA 8270C	3010041	0.80	10	ND	1	01/03/03	02/06/03	
Aramite	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/06/03	
Benzo (a) anthracene	EPA 8270C	3010041	0.53	10	ND	1	01/03/03	02/06/03	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3010041	1.8	10	ND	1	01/03/03	02/06/03	
Benzo (g,h,i) perylene	EPA 8270C	3010041	0.98	10	ND	1	01/03/03	02/06/03	
Benzo (a) pyrene	EPA 8270C	3010041	0.97	10	ND	1	01/03/03	02/06/03	
Benzyl alcohol	EPA 8270C	3010041	3.1	20	ND	1	01/03/03	02/06/03	
Bis(2-chloroethoxy)methane	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/06/03	
Bis(2-chloroethyl)ether	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/06/03	
Bis(2-chloroisopropyl)ether	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/06/03	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3010041	3.6	10	**9.6**	1	01/03/03	02/06/03	J
4-Bromophenyl phenyl ether	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/06/03	
Butyl benzyl phthalate	EPA 8270C	3010041	0.91	10	ND	1	01/03/03	02/06/03	
4-Chloroaniline	EPA 8270C	3010041	2.9	20	ND	1	01/03/03	02/06/03	
Chlorobenzilate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
4-Chloro-3-methylphenol	EPA 8270C	3010041	4.0	20	ND	1	01/03/03	02/06/03	
2-Chloronaphthalene	EPA 8270C	3010041	3.0	10	ND	1	01/03/03	02/06/03	
2-Chlorophenol	EPA 8270C	3010041	4.9	10	ND	1	01/03/03	02/06/03	
4-Chlorophenyl phenyl ether	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/06/03	
Chrysene	EPA 8270C	3010041	0.96	10	ND	1	01/03/03	02/06/03	
Diallate (cis or trans)	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Dibenz (a,h) anthracene	EPA 8270C	3010041	0.89	10	ND	1	01/03/03	02/06/03	
Dibenzofuran	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/06/03	
Di-n-butyl phthalate	EPA 8270C	3010041	0.92	10	ND	1	01/03/03	02/06/03	
1,2-Dichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/06/03	
1,3-Dichlorobenzene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/06/03	
1,4-Dichlorobenzene	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/06/03	
3,3'-Dichlorobenzidine	EPA 8270C	3010041	5.0	20	ND	1	01/03/03	02/06/03	
2,4-Dichlorophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/06/03	
2,6-Dichlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Diethyl phthalate	EPA 8270C	3010041	1.2	10	ND	1	01/03/03	02/06/03	
Dimethylaminoazobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Dimethoate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
3,3'-Dimethylbenzidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
a,a-Dimethylphenethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2,4-Dimethylphenol	EPA 8270C	3010041	6.0	10	ND	1	01/03/03	02/06/03	
Dimethyl phthalate	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/06/03	
1,3-Dinitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
4,6-Dinitro-2-methylphenol	EPA 8270C	3010041	2.2	50	ND	1	01/03/03	02/06/03	
2,4-Dinitrophenol	EPA 8270C	3010041	1.3	50	ND	1	01/03/03	02/06/03	
2,4-Dinitrotoluene	EPA 8270C	3010041	1.3	10	ND	1	01/03/03	02/06/03	
2,6-Dinitrotoluene	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/06/03	
Di-n-octyl phthalate	EPA 8270C	3010041	0.93	10	ND	1	01/03/03	02/06/03	
Diphenylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Ethyl methacrylate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Ethyl methanesulfonate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Famphur	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/06/03	
Fluoranthene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/06/03	
Fluorene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/06/03	
Hexachlorobenzene	EPA 8270C	3010041	1.7	10	ND	1	01/03/03	02/06/03	
Hexachlorobutadiene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/06/03	
Hexachlorocyclopentadiene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/06/03	
Hexachloroethane	EPA 8270C	3010041	2.4	10	ND	1	01/03/03	02/06/03	
Hexachlorophene	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/06/03	
Hexachloropropene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/06/03	
Isodrin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Isophorone	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/06/03	
Isosafrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Kepone	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/06/03	
Methapyrilene	EPA 8270C	3010041	100	100	ND	1	01/03/03	02/06/03	
3-Methylcholanthrene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Methyl methanesulfonate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2-Methylnaphthalene	EPA 8270C	3010041	3.5	10	ND	1	01/03/03	02/06/03	
2-Methylphenol	EPA 8270C	3010041	5.3	10	ND	1	01/03/03	02/06/03	
3-Methylphenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
4-Methylphenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/06/03	
Naphthalene	EPA 8270C	3010041	3.8	10	ND	1	01/03/03	02/06/03	
1,4-Naphthoquinone	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
1-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2-Nitroaniline	EPA 8270C	3010041	2.6	50	ND	1	01/03/03	02/06/03	
3-Nitroaniline	EPA 8270C	3010041	4.0	50	ND	1	01/03/03	02/06/03	
4-Nitroaniline	EPA 8270C	3010041	5.0	50	ND	1	01/03/03	02/06/03	
Nitrobenzene	EPA 8270C	3010041	3.3	10	ND	1	01/03/03	02/06/03	

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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-02 (PTI-MW07-056 - Water)									
2-Nitrophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/06/03	
4-Nitrophenol	EPA 8270C	3010041	1.7	50	ND	1	01/03/03	02/06/03	
N-Nitrosodi-n-butylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
N-Nitrosodiethylamine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
N-Nitrosodimethylamine	EPA 8270C	3010041	2.4	20	ND	1	01/03/03	02/06/03	
N-Nitrosodiphenylamine	EPA 8270C	3010041	2.8	10	ND	1	01/03/03	02/06/03	
N-Nitrosodi-n-propylamine	EPA 8270C	3010041	3.7	10	ND	1	01/03/03	02/06/03	
N-Nitrosomethylethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
N-Nitrosomorpholine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
N-Nitrosopiperidine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
N-Nitrosopyrrolidine	EPA 8270C	3010041	40	40	ND	1	01/03/03	02/06/03	
5-Nitro-o-toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
4-Nitroquinoline-n-oxide	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/06/03	
Pentachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Pentachloroethane	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Pentachloronitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Pentachlorophenol	EPA 8270C	3010041	2.1	50	ND	1	01/03/03	02/06/03	
Phenacetin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
Phenanthrene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/06/03	
Phenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/06/03	
1,4-Phenylenediamine	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/06/03	
2-Picoline	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Pronamide	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Pyrene	EPA 8270C	3010041	0.72	10	ND	1	01/03/03	02/06/03	
Pyridine	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/06/03	
Safrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Thionazin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/06/03	
o-Toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
1,2,4-Trichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/06/03	
2,4,5-Trichlorophenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/06/03	
2,4,6-Trichlorophenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/06/03	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
1,3,5-Trinitrobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/06/03	
Surrogate: 2-Fluorophenol (15-103%)					*50 %*				
Surrogate: Phenol-d6 (18-115%)					*59 %*				
Surrogate: Nitrobenzene-d5 (39-103%)					*62 %*				
Surrogate: 2-Fluorobiphenyl (40-124%)					*66 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)					*91 %*				
Surrogate: Terphenyl-d14 (56-139%)					*77 %*				

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Patty Mata
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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
Acenaphthene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/07/03	
Acenaphthylene	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/07/03	
Acetophenone	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Acetylaminofluorene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
4-Aminobiphenyl	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Aniline	EPA 8270C	3010041	5.0	10	ND	1	01/03/03	02/07/03	
Anthracene	EPA 8270C	3010041	0.80	10	ND	1	01/03/03	02/07/03	
Aramite	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Benzo (a) anthracene	EPA 8270C	3010041	0.53	10	ND	1	01/03/03	02/07/03	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3010041	1.8	10	ND	1	01/03/03	02/07/03	
Benzo (g,h,i) perylene	EPA 8270C	3010041	0.98	10	ND	1	01/03/03	02/07/03	
Benzo (a) pyrene	EPA 8270C	3010041	0.97	10	ND	1	01/03/03	02/07/03	
Benzyl alcohol	EPA 8270C	3010041	3.1	20	ND	1	01/03/03	02/07/03	
Bis(2-chloroethoxy)methane	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/07/03	
Bis(2-chloroethyl)ether	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/07/03	
Bis(2-chloroisopropyl)ether	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/07/03	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3010041	3.6	10	**5.0**	1	01/03/03	02/07/03	J
4-Bromophenyl phenyl ether	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/07/03	
Butyl benzyl phthalate	EPA 8270C	3010041	0.91	10	ND	1	01/03/03	02/07/03	
4-Chloroaniline	EPA 8270C	3010041	2.9	20	ND	1	01/03/03	02/07/03	
Chlorobenzilate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
4-Chloro-3-methylphenol	EPA 8270C	3010041	4.0	20	ND	1	01/03/03	02/07/03	
2-Chloronaphthalene	EPA 8270C	3010041	3.0	10	ND	1	01/03/03	02/07/03	
2-Chlorophenol	EPA 8270C	3010041	4.9	10	ND	1	01/03/03	02/07/03	
4-Chlorophenyl phenyl ether	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/07/03	
Chrysene	EPA 8270C	3010041	0.96	10	ND	1	01/03/03	02/07/03	
Diallate (cis or trans)	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Dibenz (a,h) anthracene	EPA 8270C	3010041	0.89	10	ND	1	01/03/03	02/07/03	
Dibenzofuran	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/07/03	
Di-n-butyl phthalate	EPA 8270C	3010041	0.92	10	ND	1	01/03/03	02/07/03	
1,2-Dichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/07/03	
1,3-Dichlorobenzene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/07/03	
1,4-Dichlorobenzene	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/07/03	
3,3´-Dichlorobenzidine	EPA 8270C	3010041	5.0	20	ND	1	01/03/03	02/07/03	
2,4-Dichlorophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/07/03	
2,6-Dichlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Diethyl phthalate	EPA 8270C	3010041	1.2	10	ND	1	01/03/03	02/07/03	
Dimethylaminoazobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Dimethoate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
3,3´-Dimethylbenzidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
a,a-Dimethylphenethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2,4-Dimethylphenol	EPA 8270C	3010041	6.0	10	ND	1	01/03/03	02/07/03	
Dimethyl phthalate	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/07/03	
1,3-Dinitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
4,6-Dinitro-2-methylphenol	EPA 8270C	3010041	2.2	50	ND	1	01/03/03	02/07/03	
2,4-Dinitrophenol	EPA 8270C	3010041	1.3	50	ND	1	01/03/03	02/07/03	
2,4-Dinitrotoluene	EPA 8270C	3010041	1.3	10	ND	1	01/03/03	02/07/03	
2,6-Dinitrotoluene	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/07/03	
Di-n-octyl phthalate	EPA 8270C	3010041	0.93	10	ND	1	01/03/03	02/07/03	
Diphenylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Ethyl methacrylate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Ethyl methanesulfonate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Famphur	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Fluoranthene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/07/03	
Fluorene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/07/03	
Hexachlorobenzene	EPA 8270C	3010041	1.7	10	ND	1	01/03/03	02/07/03	
Hexachlorobutadiene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/07/03	
Hexachlorocyclopentadiene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/07/03	
Hexachloroethane	EPA 8270C	3010041	2.4	10	ND	1	01/03/03	02/07/03	
Hexachlorophene	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Hexachloropropene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/07/03	
Isodrin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Isophorone	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/07/03	
Isosafrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Kepone	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Methapyrilene	EPA 8270C	3010041	100	100	ND	1	01/03/03	02/07/03	
3-Methylcholanthrene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Methyl methanesulfonate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Methylnaphthalene	EPA 8270C	3010041	3.5	10	ND	1	01/03/03	02/07/03	
2-Methylphenol	EPA 8270C	3010041	5.3	10	ND	1	01/03/03	02/07/03	
3-Methylphenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
4-Methylphenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/07/03	
Naphthalene	EPA 8270C	3010041	3.8	10	ND	1	01/03/03	02/07/03	
1,4-Naphthoquinone	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
1-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Nitroaniline	EPA 8270C	3010041	2.6	50	ND	1	01/03/03	02/07/03	
3-Nitroaniline	EPA 8270C	3010041	4.0	50	ND	1	01/03/03	02/07/03	
4-Nitroaniline	EPA 8270C	3010041	5.0	50	ND	1	01/03/03	02/07/03	
Nitrobenzene	EPA 8270C	3010041	3.3	10	ND	1	01/03/03	02/07/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-03 (PTI-MW04-056 - Water)									
2-Nitrophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/07/03	
4-Nitrophenol	EPA 8270C	3010041	1.7	50	ND	1	01/03/03	02/07/03	
N-Nitrosodi-n-butylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
N-Nitrosodiethylamine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
N-Nitrosodimethylamine	EPA 8270C	3010041	2.4	20	ND	1	01/03/03	02/07/03	
N-Nitrosodiphenylamine	EPA 8270C	3010041	2.8	10	ND	1	01/03/03	02/07/03	
N-Nitrosodi-n-propylamine	EPA 8270C	3010041	3.7	10	ND	1	01/03/03	02/07/03	
N-Nitrosomethylethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
N-Nitrosomorpholine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
N-Nitrosopiperidine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
N-Nitrosopyrrolidine	EPA 8270C	3010041	40	40	ND	1	01/03/03	02/07/03	
5-Nitro-o-toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
4-Nitroquinoline-n-oxide	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/07/03	
Pentachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pentachloroethane	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pentachloronitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Pentachlorophenol	EPA 8270C	3010041	2.1	50	ND	1	01/03/03	02/07/03	
Phenacetin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Phenanthrene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/07/03	
Phenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/07/03	
1,4-Phenylenediamine	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/07/03	
2-Picoline	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pronamide	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pyrene	EPA 8270C	3010041	0.72	10	ND	1	01/03/03	02/07/03	
Pyridine	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/07/03	
Safrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Thionazin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
o-Toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
1,2,4-Trichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/07/03	
2,4,5-Trichlorophenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/07/03	
2,4,6-Trichlorophenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/07/03	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
1,3,5-Trinitrobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Surrogate: 2-Fluorophenol (15-103%)					*25 %*				
Surrogate: Phenol-d6 (18-115%)					*65 %*				
Surrogate: Nitrobenzene-d5 (39-103%)					*76 %*				
Surrogate: 2-Fluorobiphenyl (40-124%)					*81 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)					*82 %*				
Surrogate: Terphenyl-d14 (56-139%)					*70 %*				

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Patty Mata
Project Manager

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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
Acenaphthene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/07/03	
Acenaphthylene	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/07/03	
Acetophenone	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Acetylaminofluorene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
4-Aminobiphenyl	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Aniline	EPA 8270C	3010041	5.0	10	ND	1	01/03/03	02/07/03	
Anthracene	EPA 8270C	3010041	0.80	10	ND	1	01/03/03	02/07/03	
Aramite	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Benzo (a) anthracene	EPA 8270C	3010041	0.53	10	ND	1	01/03/03	02/07/03	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3010041	1.8	10	ND	1	01/03/03	02/07/03	
Benzo (g,h,i) perylene	EPA 8270C	3010041	0.98	10	ND	1	01/03/03	02/07/03	
Benzo (a) pyrene	EPA 8270C	3010041	0.97	10	ND	1	01/03/03	02/07/03	
Benzyl alcohol	EPA 8270C	3010041	3.1	20	ND	1	01/03/03	02/07/03	
Bis(2-chloroethoxy)methane	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/07/03	
Bis(2-chloroethyl)ether	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/07/03	
Bis(2-chloroisopropyl)ether	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/07/03	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3010041	3.6	10	**78**	1	01/03/03	02/07/03	
4-Bromophenyl phenyl ether	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/07/03	
Butyl benzyl phthalate	EPA 8270C	3010041	0.91	10	ND	1	01/03/03	02/07/03	
4-Chloroaniline	EPA 8270C	3010041	2.9	20	ND	1	01/03/03	02/07/03	
Chlorobenzilate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
4-Chloro-3-methylphenol	EPA 8270C	3010041	4.0	20	ND	1	01/03/03	02/07/03	
2-Chloronaphthalene	EPA 8270C	3010041	3.0	10	ND	1	01/03/03	02/07/03	
2-Chlorophenol	EPA 8270C	3010041	4.9	10	ND	1	01/03/03	02/07/03	
4-Chlorophenyl phenyl ether	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/07/03	
Chrysene	EPA 8270C	3010041	0.96	10	ND	1	01/03/03	02/07/03	
Diallate (cis or trans)	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Dibenz (a,h) anthracene	EPA 8270C	3010041	0.89	10	ND	1	01/03/03	02/07/03	
Dibenzofuran	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/07/03	
Di-n-butyl phthalate	EPA 8270C	3010041	0.92	10	ND	1	01/03/03	02/07/03	
1,2-Dichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/07/03	
1,3-Dichlorobenzene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/07/03	
1,4-Dichlorobenzene	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/07/03	
3,3´-Dichlorobenzidine	EPA 8270C	3010041	5.0	20	ND	1	01/03/03	02/07/03	
2,4-Dichlorophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/07/03	
2,6-Dichlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Diethyl phthalate	EPA 8270C	3010041	1.2	10	ND	1	01/03/03	02/07/03	
Dimethylaminoazobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Dimethoate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
3,3´-Dimethylbenzidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
a,a-Dimethylphenethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2,4-Dimethylphenol	EPA 8270C	3010041	6.0	10	ND	1	01/03/03	02/07/03	
Dimethyl phthalate	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/07/03	
1,3-Dinitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
4,6-Dinitro-2-methylphenol	EPA 8270C	3010041	2.2	50	ND	1	01/03/03	02/07/03	
2,4-Dinitrophenol	EPA 8270C	3010041	1.3	50	ND	1	01/03/03	02/07/03	
2,4-Dinitrotoluene	EPA 8270C	3010041	1.3	10	ND	1	01/03/03	02/07/03	
2,6-Dinitrotoluene	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/07/03	
Di-n-octyl phthalate	EPA 8270C	3010041	0.93	10	ND	1	01/03/03	02/07/03	
Diphenylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Ethyl methacrylate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Ethyl methanesulfonate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Famphur	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Fluoranthene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/07/03	
Fluorene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/07/03	
Hexachlorobenzene	EPA 8270C	3010041	1.7	10	ND	1	01/03/03	02/07/03	
Hexachlorobutadiene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/07/03	
Hexachlorocyclopentadiene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/07/03	
Hexachloroethane	EPA 8270C	3010041	2.4	10	ND	1	01/03/03	02/07/03	
Hexachlorophene	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Hexachloropropene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/07/03	
Isodrin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Isophorone	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/07/03	
Isosafrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Kepone	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Methapyrilene	EPA 8270C	3010041	100	100	ND	1	01/03/03	02/07/03	
3-Methylcholanthrene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Methyl methanesulfonate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Methylnaphthalene	EPA 8270C	3010041	3.5	10	ND	1	01/03/03	02/07/03	
2-Methylphenol	EPA 8270C	3010041	5.3	10	ND	1	01/03/03	02/07/03	
3-Methylphenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
4-Methylphenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/07/03	
Naphthalene	EPA 8270C	3010041	3.8	10	ND	1	01/03/03	02/07/03	
1,4-Naphthoquinone	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
1-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Nitroaniline	EPA 8270C	3010041	2.6	50	ND	1	01/03/03	02/07/03	
3-Nitroaniline	EPA 8270C	3010041	4.0	50	ND	1	01/03/03	02/07/03	
4-Nitroaniline	EPA 8270C	3010041	5.0	50	ND	1	01/03/03	02/07/03	
Nitrobenzene	EPA 8270C	3010041	3.3	10	ND	1	01/03/03	02/07/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-04 (PTI-MW11-056 - Water)									
2-Nitrophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/07/03	
4-Nitrophenol	EPA 8270C	3010041	1.7	50	ND	1	01/03/03	02/07/03	
N-Nitrosodi-n-butylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
N-Nitrosodiethylamine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
N-Nitrosodimethylamine	EPA 8270C	3010041	2.4	20	ND	1	01/03/03	02/07/03	
N-Nitrosodiphenylamine	EPA 8270C	3010041	2.8	10	ND	1	01/03/03	02/07/03	
N-Nitrosodi-n-propylamine	EPA 8270C	3010041	3.7	10	ND	1	01/03/03	02/07/03	
N-Nitrosomethylethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
N-Nitrosomorpholine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
N-Nitrosopiperidine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
N-Nitrosopyrrolidine	EPA 8270C	3010041	40	40	ND	1	01/03/03	02/07/03	
5-Nitro-o-toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
4-Nitroquinoline-n-oxide	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/07/03	
Pentachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pentachloroethane	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pentachloronitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Pentachlorophenol	EPA 8270C	3010041	2.1	50	ND	1	01/03/03	02/07/03	
Phenacetin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Phenanthrene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/07/03	
Phenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/07/03	
1,4-Phenylenediamine	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/07/03	
2-Picoline	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pronamide	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pyrene	EPA 8270C	3010041	0.72	10	ND	1	01/03/03	02/07/03	
Pyridine	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/07/03	
Safrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Thionazin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
o-Toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
1,2,4-Trichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/07/03	
2,4,5-Trichlorophenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/07/03	
2,4,6-Trichlorophenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/07/03	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
1,3,5-Trinitrobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Surrogate: 2-Fluorophenol (15-103%)					*34 %*				
Surrogate: Phenol-d6 (18-115%)					*71 %*				
Surrogate: Nitrobenzene-d5 (39-103%)					*77 %*				
Surrogate: 2-Fluorobiphenyl (40-124%)					*88 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)					*103 %*				
Surrogate: Terphenyl-d14 (56-139%)					*100 %*				

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Camp, Dresser & McKee
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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
Acenaphthene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/07/03	
Acenaphthylene	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/07/03	
Acetophenone	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Acetylaminofluorene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
4-Aminobiphenyl	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Aniline	EPA 8270C	3010041	5.0	10	ND	1	01/03/03	02/07/03	
Anthracene	EPA 8270C	3010041	0.80	10	ND	1	01/03/03	02/07/03	
Aramite	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Benzo (a) anthracene	EPA 8270C	3010041	0.53	10	ND	1	01/03/03	02/07/03	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3010041	1.8	10	ND	1	01/03/03	02/07/03	
Benzo (g,h,i) perylene	EPA 8270C	3010041	0.98	10	ND	1	01/03/03	02/07/03	
Benzo (a) pyrene	EPA 8270C	3010041	0.97	10	ND	1	01/03/03	02/07/03	
Benzyl alcohol	EPA 8270C	3010041	3.1	20	ND	1	01/03/03	02/07/03	
Bis(2-chloroethoxy)methane	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/07/03	
Bis(2-chloroethyl)ether	EPA 8270C	3010041	3.6	10	ND	1	01/03/03	02/07/03	
Bis(2-chloroisopropyl)ether	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/07/03	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3010041	3.6	10	**5.8**	1	01/03/03	02/07/03	J
4-Bromophenyl phenyl ether	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/07/03	
Butyl benzyl phthalate	EPA 8270C	3010041	0.91	10	ND	1	01/03/03	02/07/03	
4-Chloroaniline	EPA 8270C	3010041	2.9	20	ND	1	01/03/03	02/07/03	
Chlorobenzilate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
4-Chloro-3-methylphenol	EPA 8270C	3010041	4.0	20	ND	1	01/03/03	02/07/03	
2-Chloronaphthalene	EPA 8270C	3010041	3.0	10	ND	1	01/03/03	02/07/03	
2-Chlorophenol	EPA 8270C	3010041	4.9	10	ND	1	01/03/03	02/07/03	
4-Chlorophenyl phenyl ether	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/07/03	
Chrysene	EPA 8270C	3010041	0.96	10	ND	1	01/03/03	02/07/03	
Diallate (cis or trans)	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Dibenz (a,h) anthracene	EPA 8270C	3010041	0.89	10	ND	1	01/03/03	02/07/03	
Dibenzofuran	EPA 8270C	3010041	2.5	10	ND	1	01/03/03	02/07/03	
Di-n-butyl phthalate	EPA 8270C	3010041	0.92	10	ND	1	01/03/03	02/07/03	
1,2-Dichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/07/03	
1,3-Dichlorobenzene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/07/03	
1,4-Dichlorobenzene	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/07/03	
3,3´-Dichlorobenzidine	EPA 8270C	3010041	5.0	20	ND	1	01/03/03	02/07/03	
2,4-Dichlorophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/07/03	
2,6-Dichlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Diethyl phthalate	EPA 8270C	3010041	1.2	10	ND	1	01/03/03	02/07/03	
Dimethylaminoazobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Dimethoate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
3,3´-Dimethylbenzidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	

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Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
a,a-Dimethylphenethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2,4-Dimethylphenol	EPA 8270C	3010041	6.0	10	ND	1	01/03/03	02/07/03	
Dimethyl phthalate	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/07/03	
1,3-Dinitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
4,6-Dinitro-2-methylphenol	EPA 8270C	3010041	2.2	50	ND	1	01/03/03	02/07/03	
2,4-Dinitrophenol	EPA 8270C	3010041	1.3	50	ND	1	01/03/03	02/07/03	
2,4-Dinitrotoluene	EPA 8270C	3010041	1.3	10	ND	1	01/03/03	02/07/03	
2,6-Dinitrotoluene	EPA 8270C	3010041	1.9	10	ND	1	01/03/03	02/07/03	
Di-n-octyl phthalate	EPA 8270C	3010041	0.93	10	ND	1	01/03/03	02/07/03	
Diphenylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Ethyl methacrylate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Ethyl methanesulfonate	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Famphur	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Fluoranthene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/07/03	
Fluorene	EPA 8270C	3010041	2.6	10	ND	1	01/03/03	02/07/03	
Hexachlorobenzene	EPA 8270C	3010041	1.7	10	ND	1	01/03/03	02/07/03	
Hexachlorobutadiene	EPA 8270C	3010041	3.1	10	ND	1	01/03/03	02/07/03	
Hexachlorocyclopentadiene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/07/03	
Hexachloroethane	EPA 8270C	3010041	2.4	10	ND	1	01/03/03	02/07/03	
Hexachlorophene	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Hexachloropropene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3010041	0.78	10	ND	1	01/03/03	02/07/03	
Isodrin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Isophorone	EPA 8270C	3010041	3.2	10	ND	1	01/03/03	02/07/03	
Isosafrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Kepone	EPA 8270C	3010041	200	200	ND	1	01/03/03	02/07/03	
Methapyrilene	EPA 8270C	3010041	100	100	ND	1	01/03/03	02/07/03	
3-Methylcholanthrene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Methyl methanesulfonate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Methylnaphthalene	EPA 8270C	3010041	3.5	10	ND	1	01/03/03	02/07/03	
2-Methylphenol	EPA 8270C	3010041	5.3	10	ND	1	01/03/03	02/07/03	
3-Methylphenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
4-Methylphenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/07/03	
Naphthalene	EPA 8270C	3010041	3.8	10	ND	1	01/03/03	02/07/03	
1,4-Naphthoquinone	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
1-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Naphthylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2-Nitroaniline	EPA 8270C	3010041	2.6	50	ND	1	01/03/03	02/07/03	
3-Nitroaniline	EPA 8270C	3010041	4.0	50	ND	1	01/03/03	02/07/03	
4-Nitroaniline	EPA 8270C	3010041	5.0	50	ND	1	01/03/03	02/07/03	
Nitrobenzene	EPA 8270C	3010041	3.3	10	ND	1	01/03/03	02/07/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: ILL1698-05 (PTI-MW35-056 - Water)									
2-Nitrophenol	EPA 8270C	3010041	4.8	10	ND	1	01/03/03	02/07/03	
4-Nitrophenol	EPA 8270C	3010041	1.7	50	ND	1	01/03/03	02/07/03	
N-Nitrosodi-n-butylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
N-Nitrosodiethylamine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
N-Nitrosodimethylamine	EPA 8270C	3010041	2.4	20	ND	1	01/03/03	02/07/03	
N-Nitrosodiphenylamine	EPA 8270C	3010041	2.8	10	ND	1	01/03/03	02/07/03	
N-Nitrosodi-n-propylamine	EPA 8270C	3010041	3.7	10	ND	1	01/03/03	02/07/03	
N-Nitrosomethylethylamine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
N-Nitrosomorpholine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
N-Nitrosopiperidine	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
N-Nitrosopyrrolidine	EPA 8270C	3010041	40	40	ND	1	01/03/03	02/07/03	
5-Nitro-o-toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
4-Nitroquinoline-n-oxide	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/07/03	
Pentachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pentachloroethane	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pentachloronitrobenzene	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Pentachlorophenol	EPA 8270C	3010041	2.1	50	ND	1	01/03/03	02/07/03	
Phenacetin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
Phenanthrene	EPA 8270C	3010041	1.4	10	ND	1	01/03/03	02/07/03	
Phenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/07/03	
1,4-Phenylenediamine	EPA 8270C	3010041	50	50	ND	1	01/03/03	02/07/03	
2-Picoline	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pronamide	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Pyrene	EPA 8270C	3010041	0.72	10	ND	1	01/03/03	02/07/03	
Pyridine	EPA 8270C	3010041	2.1	10	ND	1	01/03/03	02/07/03	
Safrole	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Thionazin	EPA 8270C	3010041	20	20	ND	1	01/03/03	02/07/03	
o-Toluidine	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
1,2,4-Trichlorobenzene	EPA 8270C	3010041	3.4	10	ND	1	01/03/03	02/07/03	
2,4,5-Trichlorophenol	EPA 8270C	3010041	4.0	10	ND	1	01/03/03	02/07/03	
2,4,6-Trichlorophenol	EPA 8270C	3010041	4.5	10	ND	1	01/03/03	02/07/03	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
1,3,5-Trinitrobenzene	EPA 8270C	3010041	10	10	ND	1	01/03/03	02/07/03	
Surrogate: 2-Fluorophenol (15-103%)					*52 %*				
Surrogate: Phenol-d6 (18-115%)					*69 %*				
Surrogate: Nitrobenzene-d5 (39-103%)					*73 %*				
Surrogate: 2-Fluorobiphenyl (40-124%)					*80 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)					*101 %*				
Surrogate: Terphenyl-d14 (56-139%)					*73 %*				

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18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PTI-MW14S-056 (ILL1698-01) - Water					
EPA 150.1	1	12/30/2002 08:30	12/30/2002 16:47	12/30/2002 15:10	12/30/2002 20:05
EPA 7199	1	12/30/2002 08:30	12/30/2002 16:47	12/30/2002 13:37	12/30/2002 22:08
Sample ID: PTI-MW07-056 (ILL1698-02) - Water					
EPA 150.1	1	12/30/2002 10:20	12/30/2002 16:47	12/30/2002 15:10	12/30/2002 20:05
EPA 7199	1	12/30/2002 10:20	12/30/2002 16:47	12/30/2002 13:37	12/30/2002 22:17
Sample ID: PTI-MW04-056 (ILL1698-03) - Water					
EPA 150.1	1	12/30/2002 13:10	12/30/2002 16:47	12/30/2002 15:10	12/30/2002 20:05
EPA 7199	1	12/30/2002 13:10	12/30/2002 16:47	12/30/2002 13:37	12/30/2002 23:05
Sample ID: PTI-MW11-056 (ILL1698-04) - Water					
EPA 150.1	1	12/30/2002 14:45	12/30/2002 16:47	12/30/2002 15:10	12/30/2002 20:05
EPA 7199	1	12/30/2002 14:45	12/30/2002 16:47	12/30/2002 13:37	12/30/2002 23:15
Sample ID: PTI-MW35-056 (ILL1698-05) - Water					
EPA 150.1	1	12/30/2002 07:30	12/30/2002 16:47	12/30/2002 15:10	12/30/2002 20:05
EPA 7199	1	12/30/2002 07:30	12/30/2002 16:47	12/30/2002 13:37	12/30/2002 23:25
Sample ID: PTI-EB01-056 (ILL1698-06) - Water					
EPA 7199	1	12/30/2002 14:00	12/30/2002 16:47	12/30/2002 13:37	12/30/2002 23:34

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Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 2L31027 Extracted: 12/31/02											
Blank Analyzed: 01/07/03 (2L31027-BLK1)											
Aldrin	ND	0.10	N/A	ug/l							
alpha-BHC	ND	0.10	N/A	ug/l							
beta-BHC	ND	0.10	N/A	ug/l							
delta-BHC	ND	0.20	N/A	ug/l							
gamma-BHC (Lindane)	ND	0.10	N/A	ug/l							
Chlordane	ND	1.0	N/A	ug/l							
4,4'-DDD	ND	0.10	N/A	ug/l							
4,4'-DDE	ND	0.10	N/A	ug/l							
4,4'-DDT	ND	0.10	N/A	ug/l							
Dieldrin	ND	0.10	N/A	ug/l							
Endosulfan I	ND	0.10	N/A	ug/l							
Endosulfan II	ND	0.10	N/A	ug/l							
Endosulfan sulfate	ND	0.20	N/A	ug/l							
Endrin	ND	0.10	N/A	ug/l							
Endrin aldehyde	ND	0.10	N/A	ug/l							
Endrin ketone	ND	0.10	N/A	ug/l							
Heptachlor	ND	0.10	N/A	ug/l							
Heptachlor epoxide	ND	0.10	N/A	ug/l							
Methoxychlor	ND	0.10	N/A	ug/l							
Toxaphene	ND	5.0	N/A	ug/l							
Surrogate: Tetrachloro-m-xylene	*0.520*			*ug/l*	*0.500*		*104*	*35-120*			
Surrogate: Decachlorobiphenyl	*0.549*			*ug/l*	*0.500*		*110*	*45-120*			
LCS Analyzed: 01/07/03 (2L31027-BS1)											
Aldrin	0.469	0.10	N/A	ug/l	0.500		94	45-115			
alpha-BHC	0.465	0.10	N/A	ug/l	0.500		93	50-115			
beta-BHC	0.518	0.10	N/A	ug/l	0.500		104	65-115			
delta-BHC	0.485	0.20	N/A	ug/l	0.500		97	70-115			
gamma-BHC (Lindane)	0.467	0.10	N/A	ug/l	0.500		93	55-115			
4,4'-DDD	0.482	0.10	N/A	ug/l	0.500		96	65-120			
4,4'-DDE	0.479	0.10	N/A	ug/l	0.500		96	65-115			
4,4'-DDT	0.534	0.10	N/A	ug/l	0.500		107	70-120			
Dieldrin	0.478	0.10	N/A	ug/l	0.500		96	60-115			
Endosulfan I	0.511	0.10	N/A	ug/l	0.500		102	60-115			
Endosulfan II	0.529	0.10	N/A	ug/l	0.500		106	55-115			
Endosulfan sulfate	0.530	0.20	N/A	ug/l	0.500		106	65-120			

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 2L31027 Extracted: 12/31/02											
LCS Analyzed: 01/07/03 (2L31027-BS1)											
Endrin	0.483	0.10	N/A	ug/l	0.500		97	65-115			
ndrin aldehyde	0.547	0.10	N/A	ug/l	0.500		109	65-115			
ndrin ketone	0.476	0.10	N/A	ug/l	0.500		95	65-115			
Heptachlor	0.463	0.10	N/A	ug/l	0.500		93	55-120			
eptachlor epoxide	0.504	0.10	N/A	ug/l	0.500		101	60-115			
lethoxychlor	0.523	0.10	N/A	ug/l	0.500		105	70-115			
Surrogate: Tetrachloro-m-xylene	*0.461*			*ug/l*	*0.500*		*92*	*35-120*			
Surrogate: Decachlorobiphenyl	*0.502*			*ug/l*	*0.500*		*100*	*45-120*			
CS Dup Analyzed: 01/07/03 (2L31027-BSD1)											**M-NR1**
Aldrin	0.487	0.10	N/A	ug/l	0.500		97	45-115	4	20	
lpha-BHC	0.482	0.10	N/A	ug/l	0.500		96	50-115	4	20	
eta-BHC	0.549	0.10	N/A	ug/l	0.500		110	65-115	6	20	
elta-BHC	0.517	0.20	N/A	ug/l	0.500		103	70-115	6	20	
gamma-BHC (Lindane)	0.491	0.10	N/A	ug/l	0.500		98	55-115	5	20	
4'-DDD	0.496	0.10	N/A	ug/l	0.500		99	65-120	3	20	
4'-DDE	0.497	0.10	N/A	ug/l	0.500		99	65-115	4	20	
4,4'-DDT	0.572	0.10	N/A	ug/l	0.500		114	70-120	7	20	
ieldrin	0.494	0.10	N/A	ug/l	0.500		99	60-115	3	20	
ndosulfan I	0.529	0.10	N/A	ug/l	0.500		106	60-115	3	20	
Endosulfan II	0.545	0.10	N/A	ug/l	0.500		109	55-115	3	20	
Endosulfan sulfate	0.545	0.20	N/A	ug/l	0.500		109	65-120	3	20	
ndrin	0.495	0.10	N/A	ug/l	0.500		99	65-115	2	20	
Endrin aldehyde	0.566	0.10	N/A	ug/l	0.500		113	65-115	3	20	
Endrin ketone	0.485	0.10	N/A	ug/l	0.500		97	65-115	2	20	
eptachlor	0.508	0.10	N/A	ug/l	0.500		102	55-120	9	20	
eptachlor epoxide	0.528	0.10	N/A	ug/l	0.500		106	60-115	5	20	
Methoxychlor	0.525	0.10	N/A	ug/l	0.500		105	70-115	0	20	
urrogate: Tetrachloro-m-xylene	*0.480*			*ug/l*	*0.500*		*96*	*35-120*			
urrogate: Decachlorobiphenyl	*0.514*			*ug/l*	*0.500*		*103*	*45-120*			

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Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 2L31027 Extracted: 12/31/02											
Blank Analyzed: 01/02/03 (2L31027-BLK1)											
Aroclor 1016	ND	1.0	N/A	ug/l							
Aroclor 1221	ND	1.0	N/A	ug/l							
Aroclor 1232	ND	1.0	N/A	ug/l							
Aroclor 1242	ND	1.0	N/A	ug/l							
Aroclor 1248	ND	1.0	N/A	ug/l							
Aroclor 1254	ND	1.0	N/A	ug/l							
Aroclor 1260	ND	1.0	N/A	ug/l							
Surrogate: Decachlorobiphenyl	*0.441*			*ug/l*	*0.500*		*88*	*35-135*			
LCS Analyzed: 01/02/03 (2L31027-BS2)											
Aroclor 1016	3.66	1.0	N/A	ug/l	4.00		92	45-115			
Aroclor 1260	3.87	1.0	N/A	ug/l	4.00		97	55-115			
Surrogate: Decachlorobiphenyl	*0.498*			*ug/l*	*0.500*		*100*	*35-135*			
LCS Dup Analyzed: 01/02/03 (2L31027-BSD2)											**M-NR1**
Aroclor 1016	3.81	1.0	N/A	ug/l	4.00		95	45-115	4	20	
Aroclor 1260	3.85	1.0	N/A	ug/l	4.00		96	55-115	1	20	
Surrogate: Decachlorobiphenyl	*0.490*			*ug/l*	*0.500*		*98*	*35-135*			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 2L30066 Extracted: 12/30/02											
Blank Analyzed: 01/02/03 (2L30066-BLK1)											
Antimony	ND	0.010	N/A	mg/l							
Arsenic	ND	0.0050	N/A	mg/l							
Barium	ND	0.010	N/A	mg/l							
Beryllium	ND	0.0040	N/A	mg/l							
Cadmium	ND	0.0050	N/A	mg/l							
Chromium	ND	0.0050	N/A	mg/l							
Cobalt	ND	0.010	N/A	mg/l							
Copper	ND	0.010	N/A	mg/l							
Lead	ND	0.0050	N/A	mg/l							
Molybdenum	ND	0.020	N/A	mg/l							
Nickel	ND	0.010	N/A	mg/l							
Selenium	ND	0.0050	N/A	mg/l							
Silver	ND	0.010	N/A	mg/l							
Thallium	ND	0.0050	N/A	mg/l							
Vanadium	ND	0.010	N/A	mg/l							
Zinc	ND	0.020	N/A	mg/l							
LCS Analyzed: 01/02/03 (2L30066-BS1)											
Antimony	1.08	0.010	N/A	mg/l	1.00		108	80-120			
Arsenic	0.997	0.0050	N/A	mg/l	1.00		100	80-120			
Barium	1.00	0.010	N/A	mg/l	1.00		100	80-120			
Beryllium	1.01	0.0040	N/A	mg/l	1.00		101	80-120			
Cadmium	1.00	0.0050	N/A	mg/l	1.00		100	80-120			
Chromium	0.996	0.0050	N/A	mg/l	1.00		100	80-120			
Cobalt	0.992	0.010	N/A	mg/l	1.00		99	80-120			
Copper	1.03	0.010	N/A	mg/l	1.00		103	80-120			
Lead	0.984	0.0050	N/A	mg/l	1.00		98	80-120			
Molybdenum	1.02	0.020	N/A	mg/l	1.00		102	80-120			
Nickel	1.01	0.010	N/A	mg/l	1.00		101	80-120			
Selenium	0.979	0.0050	N/A	mg/l	1.00		98	80-120			
Silver	0.504	0.010	N/A	mg/l	0.500		101	80-120			
Thallium	0.957	0.0050	N/A	mg/l	1.00		96	80-120			
Vanadium	1.01	0.010	N/A	mg/l	1.00		101	80-120			
Zinc	0.991	0.020	N/A	mg/l	1.00		99	80-120			

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 2L30066 Extracted: 12/30/02											
Matrix Spike Analyzed: 01/02/03 (2L30066-MS1)						**Source: ILL1698-01**					
Antimony	1.13	0.010	N/A	mg/l	1.00	0.0041	113	75-125			
Arsenic	1.06	0.0050	N/A	mg/l	1.00	0.011	105	75-125			
Barium	1.39	0.010	N/A	mg/l	1.00	0.42	97	75-125			
Beryllium	1.02	0.0040	N/A	mg/l	1.00	0.0030	102	75-125			
Cadmium	0.985	0.0050	N/A	mg/l	1.00	0.0046	98	75-125			
Chromium	1.02	0.0050	N/A	mg/l	1.00	0.014	101	75-125			
Cobalt	0.985	0.010	N/A	mg/l	1.00	0.0042	98	75-125			
Copper	1.21	0.010	N/A	mg/l	1.00	0.042	117	75-125			
Lead	0.982	0.0050	N/A	mg/l	1.00	ND	98	75-125			
Molybdenum	1.04	0.020	N/A	mg/l	1.00	0.0035	104	75-125			
Nickel	1.00	0.010	N/A	mg/l	1.00	0.0085	99	75-125			
Selenium	1.03	0.0050	N/A	mg/l	1.00	0.0043	103	75-125			
Silver	0.540	0.010	N/A	mg/l	0.500	ND	108	75-125			
Thallium	0.974	0.0050	N/A	mg/l	1.00	0.0074	97	75-125			
Vanadium	1.05	0.010	N/A	mg/l	1.00	ND	105	75-125			
Zinc	1.15	0.020	N/A	mg/l	1.00	0.13	102	75-125			
Matrix Spike Dup Analyzed: 01/02/03 (2L30066-MSD1)						**Source: ILL1698-01**					
Antimony	1.11	0.010	N/A	mg/l	1.00	0.0041	111	75-125	2	20	
Arsenic	1.05	0.0050	N/A	mg/l	1.00	0.011	104	75-125	1	20	
Barium	1.37	0.010	N/A	mg/l	1.00	0.42	95	75-125	1	20	
Beryllium	1.02	0.0040	N/A	mg/l	1.00	0.0030	102	75-125	0	20	
Cadmium	0.963	0.0050	N/A	mg/l	1.00	0.0046	96	75-125	2	20	
Chromium	1.00	0.0050	N/A	mg/l	1.00	0.014	99	75-125	2	20	
Cobalt	0.960	0.010	N/A	mg/l	1.00	0.0042	96	75-125	3	20	
Copper	1.18	0.010	N/A	mg/l	1.00	0.042	114	75-125	3	20	
Lead	0.967	0.0050	N/A	mg/l	1.00	ND	97	75-125	2	20	
Molybdenum	1.03	0.020	N/A	mg/l	1.00	0.0035	103	75-125	1	20	
Nickel	0.978	0.010	N/A	mg/l	1.00	0.0085	97	75-125	2	20	
Selenium	1.01	0.0050	N/A	mg/l	1.00	0.0043	101	75-125	2	20	
Silver	0.529	0.010	N/A	mg/l	0.500	ND	106	75-125	2	20	
Thallium	0.966	0.0050	N/A	mg/l	1.00	0.0074	96	75-125	1	20	
Vanadium	1.02	0.010	N/A	mg/l	1.00	ND	102	75-125	3	20	
Zinc	1.13	0.020	N/A	mg/l	1.00	0.13	100	75-125	2	20	

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Camp, Dresser & McKee
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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A07034 Extracted: 01/07/03											
Blank Analyzed: 01/07/03 (3A07034-BLK1)											
Mercury	ND	0.00020	N/A	mg/l							
LCS Analyzed: 01/07/03 (3A07034-BS1)											
Mercury	0.00815	0.00020	N/A	mg/l	0.00800		102	90-115			
Matrix Spike Analyzed: 01/07/03 (3A07034-MS1)						**Source: ILL1698-01**					
Mercury	0.00745	0.00020	N/A	mg/l	0.00800	0.00012	92	75-120			
Matrix Spike Dup Analyzed: 01/07/03 (3A07034-MSD1)						**Source: ILL1698-01**					
Mercury	0.00765	0.00020	N/A	mg/l	0.00800	0.00012	94	75-120	3	20	

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 2L30059 Extracted: 12/30/02											
Duplicate Analyzed: 12/30/02 (2L30059-DUP1)						**Source: ILL1673-01**					
pH	9.47	NA	N/A	pH Units		9.49			0	5	
Batch: 2L30065 Extracted: 12/30/02											
Blank Analyzed: 12/30/02 (2L30065-BLK1)											
Chromium VI	ND	0.0010	N/A	mg/l							
LCS Analyzed: 12/30/02 (2L30065-BS1)											
Chromium VI	0.0491	0.0010	N/A	mg/l	0.0500		98	90-110			
Matrix Spike Analyzed: 12/30/02 (2L30065-MS1)						**Source: ILL1691-19**					
Chromium VI	0.0447	0.0010	N/A	mg/l	0.0500	0.00040	89	80-115			
Matrix Spike Dup Analyzed: 12/30/02 (2L30065-MSD1)						**Source: ILL1691-19**					
Chromium VI	0.0448	0.0010	N/A	mg/l	0.0500	0.00040	89	80-115	0	15	
Batch: 2L31042 Extracted: 12/31/02											
Blank Analyzed: 12/31/02 (2L31042-BLK1)											
Total Cyanide	ND	0.025	N/A	mg/l							
LCS Analyzed: 12/31/02 (2L31042-BS1)											
Total Cyanide	0.203	0.025	N/A	mg/l	0.200		102	90-110			
Matrix Spike Analyzed: 12/31/02 (2L31042-MS1)						**Source: ILL1726-01**					
Total Cyanide	0.160	0.025	N/A	mg/l	0.200	ND	80	70-115			

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 2L31042 Extracted: 12/31/02											
Matrix Spike Dup Analyzed: 12/31/02 (2L31042-MSD1)						**Source: ILL1726-01**					
Total Cyanide	0.163	0.025	N/A	mg/l	0.200	ND	82	70-115	2	15	
Batch: 3A02036 Extracted: 01/02/03											
Blank Analyzed: 01/02/03 (3A02036-BLK1)											
Sulfide	ND	0.10	N/A	mg/l							
LCS Analyzed: 01/02/03 (3A02036-BS1)											
Sulfide	0.720	0.10	N/A	mg/l	0.660		109	80-120			
Matrix Spike Analyzed: 01/02/03 (3A02036-MS1)						**Source: ILL1703-01**					
Sulfide	0.414	0.10	N/A	mg/l	0.396	ND	105	70-130			
Matrix Spike Dup Analyzed: 01/02/03 (3A02036-MSD1)						**Source: ILL1703-01**					
Sulfide	0.317	0.10	N/A	mg/l	0.396	ND	80	70-130	27	30	

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METHOD BLANK/QC DATA

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A06026 Extracted: 01/06/03											
Blank Analyzed: 01/10/03 (3A06026-BLK1)											
Azinphos methyl	ND	1.0	N/A	ug/l							
Bolstar	ND	0.50	N/A	ug/l							
Chlorpyrifos	ND	0.50	N/A	ug/l							
Coumaphos	ND	1.0	N/A	ug/l							
Demeton	ND	0.50	N/A	ug/l							
Diazinon	ND	0.50	N/A	ug/l							
Dichlorvos	ND	0.50	N/A	ug/l							
Dimethoate	ND	1.0	N/A	ug/l							
Disulfoton	ND	0.50	N/A	ug/l							
Ethion	ND	0.50	N/A	ug/l							
Ethoprop	ND	0.50	N/A	ug/l							
EPN	ND	0.50	N/A	ug/l							
Fensulfothion	ND	0.50	N/A	ug/l							
Fenthion	ND	0.50	N/A	ug/l							
Malathion	ND	0.50	N/A	ug/l							
Merphos	ND	0.50	N/A	ug/l							
Mevinphos	ND	0.50	N/A	ug/l							
Monocrotophos	ND	2.5	N/A	ug/l							
Naled	ND	1.0	N/A	ug/l							
Parathion-ethyl	ND	0.50	N/A	ug/l							
Parathion-methyl	ND	0.50	N/A	ug/l							
Phorate	ND	0.50	N/A	ug/l							
Ronnel	ND	0.50	N/A	ug/l							
Stirophos	ND	1.0	N/A	ug/l							
Sulfotep	ND	0.50	N/A	ug/l							
Thionazin	ND	0.50	N/A	ug/l							
Tokuthion (Prothiofos)	ND	0.50	N/A	ug/l							
Trichloronate	ND	0.50	N/A	ug/l							
Surrogate: Triphenyl phosphate	*1.36*			*ug/l*	*1.25*		*109*	*10-182*			

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METHOD BLANK/QC DATA

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A06026 Extracted: 01/06/03											
LCS Analyzed: 01/10/03 (3A06026-BS1)											
Diazinon	1.10	0.50	N/A	ug/l	1.25		88	25-160			
Disulfoton	1.10	0.50	N/A	ug/l	1.25		88	10-170			
Parathion-methyl	1.12	0.50	N/A	ug/l	1.25		90	10-154			
Surrogate: Triphenyl phosphate	*1.36*			*ug/l*	*1.25*		*109*	*10-182*			
CS Dup Analyzed: 01/10/03 (3A06026-BSD1)											
Diazinon	1.15	0.50	N/A	ug/l	1.25		92	25-160	4	48	
Disulfoton	1.15	0.50	N/A	ug/l	1.25		92	10-170	4	48	
Parathion-methyl	1.18	0.50	N/A	ug/l	1.25		94	10-154	5	64	
Surrogate: Triphenyl phosphate	*1.13*			*ug/l*	*1.25*		*90*	*10-182*			

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METHOD BLANK/QC DATA

Chlorinated Herbicides by EPA Method 8151A

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A03006 Extracted: 01/03/03											
Blank Analyzed: 01/08/03 (3A03006-BLK1)											
2,4-D	ND	1.0	N/A	ug/l							
2,4-DB	ND	1.0	N/A	ug/l							
2,4,5-T	ND	1.0	N/A	ug/l							
2,4,5-TP (Silvex)	ND	1.0	N/A	ug/l							
Dalapon	ND	1.0	N/A	ug/l							
Dicamba	ND	1.0	N/A	ug/l							
Dichlorprop	ND	1.0	N/A	ug/l							
Dinoseb	ND	1.0	N/A	ug/l							
MCPA	ND	500	N/A	ug/l							
MCPP	ND	500	N/A	ug/l							
Surrogate: Dichlorophenylacetic acid	*2.25*			*ug/l*	*2.50*		*90*	*48-138*			
LCS Analyzed: 01/08/03 (3A03006-BS1)											
2,4-D	1.18	1.0	N/A	ug/l	1.25		94	83-164			
2,4,5-T	1.03	1.0	N/A	ug/l	1.25		82	79-151			
2,4,5-TP (Silvex)	1.05	1.0	N/A	ug/l	1.25		84	66-134			
Surrogate: Dichlorophenylacetic acid	*2.07*			*ug/l*	*2.50*		*83*	*48-138*			
LCS Dup Analyzed: 01/08/03 (3A03006-BSD1)											
2,4-D	1.08	1.0	N/A	ug/l	1.25		86	83-164	9	44	
2,4,5-T	1.03	0.50	N/A	ug/l	1.25		82	79-151	0	36	
2,4,5-TP (Silvex)	0.908	0.50	N/A	ug/l	1.25		73	66-134	15	20	
Surrogate: Dichlorophenylacetic acid	*1.91*			*ug/l*	*2.50*		*76*	*48-138*			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010233 Extracted: 01/13/03											
Blank Analyzed: 01/13/03 (3010233-BLK1)											
Acetone	ND	10	1.8	ug/l							
cetonitrile	ND	100	19	ug/l							
crolein	ND	20	1.8	ug/l							
Acrylonitrile	ND	20	1.1	ug/l							
llyl chloride	ND	10	0.98	ug/l							
enzene	ND	1.0	0.050	ug/l							
Bromodichloromethane	ND	1.0	0.050	ug/l							
Bromoform	ND	1.0	0.11	ug/l							
romomethane	ND	1.0	0.19	ug/l							
2-Butanone	ND	10	0.70	ug/l							
Carbon disulfide	ND	10	1.4	ug/l							
arbon tetrachloride	ND	1.0	0.060	ug/l							
hlorobenzene	ND	1.0	0.070	ug/l							
Chloroethane	ND	1.0	0.11	ug/l							
Chloroform	ND	1.0	0.070	ug/l							
hloromethane	ND	1.0	0.14	ug/l							
Chloroprene	ND	5.0	5.0	ug/l							
Dibromochloromethane	ND	1.0	0.060	ug/l							
2-Dibromoethane (EDB)	ND	1.0	0.040	ug/l							
ibromomethane	ND	1.0	0.090	ug/l							
trans-1,4-Dichloro-2-butene	ND	20	1.7	ug/l							
2-Dichlorobenzene	ND	1.0	0.11	ug/l							
3-Dichlorobenzene	ND	1.0	0.13	ug/l							
1,4-Dichlorobenzene	ND	1.0	0.11	ug/l							
Dichlorodifluoromethane	ND	1.0	0.090	ug/l							
1-Dichloroethane	ND	1.0	0.040	ug/l							
1,2-Dichloroethane	ND	1.0	0.080	ug/l							
1,1-Dichloroethene	ND	1.0	0.060	ug/l							
s-1,2-Dichloroethene	ND	1.0	0.090	ug/l							
ans-1,2-Dichloroethene	ND	1.0	0.090	ug/l							
1,2-Dichloropropane	ND	1.0	0.070	ug/l							
s-1,3-Dichloropropene	ND	1.0	0.080	ug/l							
ans-1,3-Dichloropropene	ND	1.0	0.070	ug/l							
Ethylbenzene	ND	1.0	0.10	ug/l							
Ethyl methacrylate	ND	5.0	1.6	ug/l							
Hexanone	ND	10	0.96	ug/l							

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METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010233 Extracted: 01/13/03											
Blank Analyzed: 01/13/03 (3010233-BLK1)											
Iodomethane	ND	10	0.80	ug/l							
Isobutanol	ND	500	20	ug/l							
Methacrylonitrile	ND	10	1.7	ug/l							
Methylene chloride	ND	1.0	0.060	ug/l							
Methyl methacrylate	ND	5.0	1.6	ug/l							
4-Methyl-2-pentanone	ND	10	1.1	ug/l							
Propionitrile	ND	100	15	ug/l							
Styrene	ND	1.0	0.090	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	0.080	ug/l							
Tetrachloroethene	ND	1.0	0.080	ug/l							
Toluene	ND	1.0	0.070	ug/l							
1,1,2-Trichloroethane	ND	1.0	0.080	ug/l							
1,1,1-Trichloroethane	ND	1.0	0.050	ug/l							
Trichloroethene	ND	1.0	0.060	ug/l							
Trichlorofluoromethane	ND	1.0	0.070	ug/l							
Vinyl acetate	ND	20	1.6	ug/l							
Vinyl chloride	ND	1.0	0.060	ug/l							
m,p-Xylene	ND	1.0	0.21	ug/l							
o-Xylene	ND	1.0	0.070	ug/l							
Surrogate: Dibromofluoromethane	*6.32*			*ug/l*	*6.00*		*105*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*5.87*			*ug/l*	*6.00*		*98*	*74-135*			
Surrogate: Toluene-d8	*6.08*			*ug/l*	*6.00*		*101*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*6.34*			*ug/l*	*6.00*		*106*	*86-119*			
LCS Analyzed: 01/13/03 (3010233-BS1)											
Benzene	5.14	1.0	0.050	ug/l	5.00		103	81-118			
Chlorobenzene	5.09	1.0	0.070	ug/l	5.00		102	88-119			
1,1-Dichloroethene	5.03	1.0	0.060	ug/l	5.00		101	77-121			
Toluene	5.00	1.0	0.070	ug/l	5.00		100	84-119			
Trichloroethene	5.69	1.0	0.060	ug/l	5.00		114	83-126			
Surrogate: Dibromofluoromethane	*6.36*			*ug/l*	*6.00*		*106*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*6.28*			*ug/l*	*6.00*		*105*	*74-135*			
Surrogate: Toluene-d8	*6.35*			*ug/l*	*6.00*		*106*	*84-119*			
Surrogate: 4-Bromofluorobenzene	*6.16*			*ug/l*	*6.00*		*103*	*86-119*			

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Camp, Dresser & McKee
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Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010233 Extracted: 01/13/03											
LCS Dup Analyzed: 01/13/03 (3010233-BSD1)											
Benzene	4.88	1.0	0.050	ug/l	5.00		98	81-118	5	20	
hlorobenzene	4.92	1.0	0.070	ug/l	5.00		98	88-119	3	20	
1-Dichloroethene	4.78	1.0	0.060	ug/l	5.00		96	77-121	5	20	
Toluene	4.71	1.0	0.070	ug/l	5.00		94	84-119	6	20	
richloroethene	5.39	1.0	0.060	ug/l	5.00		108	83-126	5	20	
urrogate: Dibromofluoromethane	*6.45*			*ug/l*	*6.00*		*108*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*6.22*			*ug/l*	*6.00*		*104*	*74-135*			
Surrogate: Toluene-d8	*6.20*			*ug/l*	*6.00*		*103*	*84-119*			
urrogate: 4-Bromofluorobenzene	*6.26*			*ug/l*	*6.00*		*104*	*86-119*			
Batch: 3010399 Extracted: 01/17/03											
lank Analyzed: 01/17/03 (3010399-BLK1)											
Acetone	ND	10	1.8	ug/l							
Acetonitrile	ND	100	19	ug/l							
crolein	ND	20	1.8	ug/l							
crylonitrile	ND	20	1.1	ug/l							
Allyl chloride	ND	10	0.98	ug/l							
enzene	ND	1.0	0.050	ug/l							
romodichloromethane	ND	1.0	0.050	ug/l							
Bromoform	ND	1.0	0.11	ug/l							
Bromomethane	ND	1.0	0.19	ug/l							
-Butanone	ND	10	0.70	ug/l							
Carbon disulfide	ND	10	1.4	ug/l							
Carbon tetrachloride	ND	1.0	0.060	ug/l							
hlorobenzene	ND	1.0	0.070	ug/l							
hloroethane	ND	1.0	0.11	ug/l							
Chloroform	ND	1.0	0.070	ug/l							
hloromethane	ND	1.0	0.14	ug/l							
hloroprene	ND	5.0	5.0	ug/l							
Dibromochloromethane	ND	1.0	0.060	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	0.040	ug/l							
ibromomethane	ND	1.0	0.090	ug/l							
trans-1,4-Dichloro-2-butene	ND	20	1.7	ug/l							
1,2-Dichlorobenzene	ND	1.0	0.11	ug/l							
3-Dichlorobenzene	ND	1.0	0.13	ug/l							

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METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010399 Extracted: 01/17/03											
Blank Analyzed: 01/17/03 (3010399-BLK1)											
1,4-Dichlorobenzene	ND	1.0	0.11	ug/l							
Dichlorodifluoromethane	ND	1.0	0.090	ug/l							
1,1-Dichloroethane	ND	1.0	0.040	ug/l							
1,2-Dichloroethane	ND	1.0	0.080	ug/l							
1,1-Dichloroethene	ND	1.0	0.060	ug/l							
cis-1,2-Dichloroethene	ND	1.0	0.090	ug/l							
trans-1,2-Dichloroethene	ND	1.0	0.090	ug/l							
1,2-Dichloropropane	ND	1.0	0.070	ug/l							
cis-1,3-Dichloropropene	ND	1.0	0.080	ug/l							
trans-1,3-Dichloropropene	ND	1.0	0.070	ug/l							
Ethylbenzene	ND	1.0	0.10	ug/l							
Ethyl methacrylate	ND	5.0	1.6	ug/l							
2-Hexanone	ND	10	0.96	ug/l							
Iodomethane	ND	10	0.80	ug/l							
Isobutanol	ND	500	20	ug/l							
Methacrylonitrile	ND	10	1.7	ug/l							
Methylene chloride	0.122	1.0	0.060	ug/l							*J*
Methyl methacrylate	ND	5.0	1.6	ug/l							
4-Methyl-2-pentanone	ND	10	1.1	ug/l							
Propionitrile	ND	100	15	ug/l							
Styrene	ND	1.0	0.090	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	0.080	ug/l							
Tetrachloroethene	ND	1.0	0.080	ug/l							
Toluene	ND	1.0	0.070	ug/l							
1,1,2-Trichloroethane	ND	1.0	0.080	ug/l							
1,1,1-Trichloroethane	ND	1.0	0.050	ug/l							
Trichloroethene	ND	1.0	0.060	ug/l							
Trichlorofluoromethane	ND	1.0	0.070	ug/l							
Vinyl acetate	ND	20	1.6	ug/l							
Vinyl chloride	ND	1.0	0.060	ug/l							
m,p-Xylene	ND	1.0	0.21	ug/l							
o-Xylene	ND	1.0	0.070	ug/l							
Surrogate: Dibromofluoromethane	*6.34*			*ug/l*	*6.00*		*106*	*84-122*			
Surrogate: 1,2-Dichloroethane-d4	*6.49*			*ug/l*	*6.00*		*108*	*74-135*			
Surrogate: Toluene-d8	*6.22*			*ug/l*	*6.00*		*104*	*84-119*			

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METHOD BLANK/QC DATA

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010399 Extracted: 01/17/03											
Blank Analyzed: 01/17/03 (3010399-BLK1)											
Surrogate: 4-Bromofluorobenzene	*6.46*			*ug/l*	*6.00*		*108*	*86-119*			
LCS Analyzed: 01/17/03 (3010399-BS1)											
Benzene	4.96	1.0	0.050	ug/l	5.00		99	81-118			
Chlorobenzene	4.94	1.0	0.070	ug/l	5.00		99	88-119			
,1-Dichloroethene	4.80	1.0	0.060	ug/l	5.00		96	77-121			
Toluene	4.79	1.0	0.070	ug/l	5.00		96	84-119			
Trichloroethene	5.32	1.0	0.060	ug/l	5.00		106	83-126			
urrogate: Dibromofluoromethane	*6.46*			*ug/l*	*6.00*		*108*	*84-122*			
urrogate: 1,2-Dichloroethane-d4	*6.26*			*ug/l*	*6.00*		*104*	*74-135*			
Surrogate: Toluene-d8	*6.24*			*ug/l*	*6.00*		*104*	*84-119*			
urrogate: 4-Bromofluorobenzene	*6.36*			*ug/l*	*6.00*		*106*	*86-119*			
LCS Dup Analyzed: 01/17/03 (3010399-BSD1)											
Benzene	4.93	1.0	0.050	ug/l	5.00		99	81-118	1	20	
hlorobenzene	5.03	1.0	0.070	ug/l	5.00		101	88-119	2	20	
1-Dichloroethene	4.84	1.0	0.060	ug/l	5.00		97	77-121	1	20	
Toluene	4.83	1.0	0.070	ug/l	5.00		97	84-119	1	20	
Trichloroethene	5.46	1.0	0.060	ug/l	5.00		109	83-126	3	20	
urrogate: Dibromofluoromethane	*6.46*			*ug/l*	*6.00*		*108*	*84-122*			
urrogate: 1,2-Dichloroethane-d4	*6.31*			*ug/l*	*6.00*		*105*	*74-135*			
Surrogate: Toluene-d8	*6.20*			*ug/l*	*6.00*		*103*	*84-119*			
urrogate: 4-Bromofluorobenzene	*6.31*			*ug/l*	*6.00*		*105*	*86-119*			

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METHOD BLANK/QC DATA

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010041 Extracted: 01/03/03											
Blank Analyzed: 02/06/03 (3010041-BLK1)											
Acenaphthene	ND	10	2.6	ug/l							
Acenaphthylene	ND	10	2.5	ug/l							
Acetophenone	ND	10	10	ug/l							
2-Acetylaminofluorene	ND	20	20	ug/l							
4-Aminobiphenyl	ND	20	20	ug/l							
Aniline	ND	10	5.0	ug/l							
Anthracene	ND	10	0.80	ug/l							
Aramite	ND	200	200	ug/l							
Benzo (a) anthracene	ND	10	0.53	ug/l							
Benzo (b+k) fluoranthene (total)	ND	10	1.8	ug/l							
Benzo (g,h,i) perylene	ND	10	0.98	ug/l							
Benzo (a) pyrene	ND	10	0.97	ug/l							
Benzyl alcohol	ND	20	3.1	ug/l							
Bis(2-chloroethoxy)methane	ND	10	3.6	ug/l							
Bis(2-chloroethyl)ether	ND	10	3.6	ug/l							
Bis(2-chloroisopropyl)ether	ND	10	4.0	ug/l							
Bis(2-ethylhexyl)phthalate	ND	10	3.6	ug/l							
4-Bromophenyl phenyl ether	ND	10	2.1	ug/l							
Butyl benzyl phthalate	ND	10	0.91	ug/l							
4-Chloroaniline	ND	20	2.9	ug/l							
Chlorobenzilate	ND	10	10	ug/l							
4-Chloro-3-methylphenol	ND	20	4.0	ug/l							
2-Chloronaphthalene	ND	10	3.0	ug/l							
2-Chlorophenol	ND	10	4.9	ug/l							
4-Chlorophenyl phenyl ether	ND	10	2.6	ug/l							
Chrysene	ND	10	0.96	ug/l							
Diallate (cis or trans)	ND	10	10	ug/l							
Dibenz (a,h) anthracene	ND	10	0.89	ug/l							
Dibenzofuran	ND	10	2.5	ug/l							
Di-n-butyl phthalate	ND	10	0.92	ug/l							
1,2-Dichlorobenzene	ND	10	3.4	ug/l							
1,3-Dichlorobenzene	ND	10	3.1	ug/l							
1,4-Dichlorobenzene	ND	10	3.2	ug/l							
3,3´-Dichlorobenzidine	ND	20	5.0	ug/l							
2,4-Dichlorophenol	ND	10	4.8	ug/l							
2,6-Dichlorophenol	ND	10	10	ug/l							

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010041 Extracted: 01/03/03											
Blank Analyzed: 02/06/03 (3010041-BLK1)											
Diethyl phthalate	ND	10	1.2	ug/l							
imethylaminoazobenzene	ND	10	10	ug/l							
imethoate	ND	20	20	ug/l							
7,12-Dimethylbenz (a) anthracene	ND	10	10	ug/l							
3'-Dimethylbenzidine	ND	10	10	ug/l							
a-Dimethylphenethylamine	ND	10	10	ug/l							
2,4-Dimethylphenol	ND	10	6.0	ug/l							
Dimethyl phthalate	ND	10	1.9	ug/l							
3-Dinitrobenzene	ND	20	20	ug/l							
4,6-Dinitro-2-methylphenol	ND	50	2.2	ug/l							
2,4-Dinitrophenol	ND	50	1.3	ug/l							
4-Dinitrotoluene	ND	10	1.3	ug/l							
6-Dinitrotoluene	ND	10	1.9	ug/l							
Di-n-octyl phthalate	ND	10	0.93	ug/l							
iphenylamine	ND	10	10	ug/l							
hyl methacrylate	ND	10	10	ug/l							
Ethyl methanesulfonate	ND	20	20	ug/l							
Famphur	ND	200	200	ug/l							
uoranthene	ND	10	0.78	ug/l							
luorene	ND	10	2.6	ug/l							
Hexachlorobenzene	ND	10	1.7	ug/l							
exachlorobutadiene	ND	10	3.1	ug/l							
exachlorocyclopentadiene	ND	10	1.4	ug/l							
Hexachloroethane	ND	10	2.4	ug/l							
Hexachlorophene	ND	200	200	ug/l							
exachloropropene	ND	10	10	ug/l							
Indeno (1,2,3-cd) pyrene	ND	10	0.78	ug/l							
Isodrin	ND	20	20	ug/l							
ophorone	ND	10	3.2	ug/l							
osafrole	ND	10	10	ug/l							
Kepone	ND	200	200	ug/l							
ethapyrilene	ND	100	100	ug/l							
Methylcholanthrene	ND	10	10	ug/l							
Methyl methanesulfonate	ND	10	10	ug/l							
2 Methylnaphthalene	ND	10	3.5	ug/l							
Methylphenol	ND	10	5.3	ug/l							

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Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010041 Extracted: 01/03/03											
Blank Analyzed: 02/06/03 (3010041-BLK1)											
3-Methylphenol	ND	10	10	ug/l							
4-Methylphenol	ND	10	4.5	ug/l							
Naphthalene	ND	10	3.8	ug/l							
1,4-Naphthoquinone	ND	20	20	ug/l							
1-Naphthylamine	ND	10	10	ug/l							
2-Naphthylamine	ND	10	10	ug/l							
2-Nitroaniline	ND	50	2.6	ug/l							
3-Nitroaniline	ND	50	4.0	ug/l							
4-Nitroaniline	ND	50	5.0	ug/l							
Nitrobenzene	ND	10	3.3	ug/l							
2-Nitrophenol	ND	10	4.8	ug/l							
4-Nitrophenol	ND	50	1.7	ug/l							
N-Nitrosodi-n-butylamine	ND	10	10	ug/l							
N-Nitrosodiethylamine	ND	20	20	ug/l							
N-Nitrosodimethylamine	ND	20	2.4	ug/l							
N-Nitrosodiphenylamine	ND	10	2.8	ug/l							
N-Nitrosodi-n-propylamine	ND	10	3.7	ug/l							
N-Nitrosomethylethylamine	ND	10	10	ug/l							
N-Nitrosomorpholine	ND	10	10	ug/l							
N-Nitrosopiperidine	ND	20	20	ug/l							
N-Nitrosopyrrolidine	ND	40	40	ug/l							
5-Nitro-o-toluidine	ND	10	10	ug/l							
4-Nitroquinoline-n-oxide	ND	50	50	ug/l							
Pentachlorobenzene	ND	10	10	ug/l							
Pentachloroethane	ND	10	10	ug/l							
Pentachloronitrobenzene	ND	20	20	ug/l							
Pentachlorophenol	ND	50	2.1	ug/l							
Phenacetin	ND	20	20	ug/l							
Phenanthrene	ND	10	1.4	ug/l							
Phenol	ND	10	4.0	ug/l							
1,4-Phenylenediamine	ND	50	50	ug/l							
2-Picoline	ND	10	10	ug/l							
Pronamide	ND	10	10	ug/l							
Pyrene	ND	10	0.72	ug/l							
Pyridine	ND	10	2.1	ug/l							
Safrole	ND	10	10	ug/l							

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Camp, Dresser & McKee
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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010041 Extracted: 01/03/03											
Blank Analyzed: 02/06/03 (3010041-BLK1)											
1,2,4,5-Tetrachlorobenzene	ND	10	10	ug/l							
3,4,6-Tetrachlorophenol	ND	10	10	ug/l							
hionazin	ND	20	20	ug/l							
o-Toluidine	ND	10	10	ug/l							
2,4-Trichlorobenzene	ND	10	3.4	ug/l							
4,5-Trichlorophenol	ND	10	4.0	ug/l							
2,4,6-Trichlorophenol	ND	10	4.5	ug/l							
O,O,O-Triethyl phosphorothioate	ND	10	10	ug/l							
3,5-Trinitrobenzene	ND	10	10	ug/l							
urrogate: 2-Fluorophenol	*114*			*ug/l*	*150*		*76*	*15-103*			
Surrogate: Phenol-d6	*123*			*ug/l*	*150*		*82*	*18-115*			
urrogate: Nitrobenzene-d5	*86.1*			*ug/l*	*100*		*86*	*39-103*			
urrogate: 2-Fluorobiphenyl	*92.7*			*ug/l*	*100*		*93*	*40-124*			
Surrogate: 2,4,6-Tribromophenol	*136*			*ug/l*	*150*		*91*	*11-142*			
urrogate: Terphenyl-d14	*94.0*			*ug/l*	*100*		*94*	*56-139*			
CS Analyzed: 02/06/03 (3010041-BS1)											
Acenaphthene	98.0	10	2.6	ug/l	100		98	58-120			
Chloro-3-methylphenol	99.3	20	4.0	ug/l	100		99	51-116			
Chlorophenol	87.5	10	4.9	ug/l	100		88	28-111			
1,4-Dichlorobenzene	86.9	10	3.2	ug/l	100		87	29-108			
4-Dinitrotoluene	98.8	10	1.3	ug/l	100		99	60-114			
Nitrophenol	121	50	1.7	ug/l	100		121	25-148			
N-Nitrosodi-n-propylamine	94.8	10	3.7	ug/l	100		95	29-119			
Pentachlorophenol	100	50	2.1	ug/l	100		100	40-131			
enol	82.0	10	4.0	ug/l	100		82	22-117			
rene	101	10	0.72	ug/l	100		101	52-127			
1,2,4-Trichlorobenzene	92.1	10	3.4	ug/l	100		92	24-131			
urrogate: 2-Fluorophenol	*109*			*ug/l*	*150*		*73*	*15-103*			
urrogate: Phenol-d6	*129*			*ug/l*	*150*		*86*	*18-115*			
Surrogate: Nitrobenzene-d5	*89.7*			*ug/l*	*100*		*90*	*39-103*			
urrogate: 2-Fluorobiphenyl	*92.2*			*ug/l*	*100*		*92*	*40-124*			
urrogate: 2,4,6-Tribromophenol	*152*			*ug/l*	*150*		*101*	*11-142*			
urrogate: Terphenyl-d14	*99.7*			*ug/l*	*100*		*100*	*56-139*			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

METHOD BLANK/QC DATA

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3010041 Extracted: 01/03/03											
LCS Dup Analyzed: 02/06/03 (3010041-BSD1)											
Acenaphthene	95.6	10	2.6	ug/l	100		96	58-120	2	27	
4-Chloro-3-methylphenol	98.7	20	4.0	ug/l	100		99	51-116	1	30	
2-Chlorophenol	88.3	10	4.9	ug/l	100		88	28-111	1	39	
1,4-Dichlorobenzene	90.6	10	3.2	ug/l	100		91	29-108	4	41	
2,4-Dinitrotoluene	92.6	10	1.3	ug/l	100		93	60-114	6	22	
4-Nitrophenol	116	50	1.7	ug/l	100		116	25-148	4	44	
N-Nitrosodi-n-propylamine	98.6	10	3.7	ug/l	100		99	29-119	4	44	
Pentachlorophenol	97.5	50	2.1	ug/l	100		98	40-131	3	33	
Phenol	86.8	10	4.0	ug/l	100		87	22-117	6	33	
Pyrene	97.5	10	0.72	ug/l	100		98	52-127	4	25	
1,2,4-Trichlorobenzene	93.8	10	3.4	ug/l	100		94	24-131	2	48	
Surrogate: 2-Fluorophenol	*108*			*ug/l*	*150*		*72*	*15-103*			
Surrogate: Phenol-d6	*134*			*ug/l*	*150*		*89*	*18-115*			
Surrogate: Nitrobenzene-d5	*91.9*			*ug/l*	*100*		*92*	*39-103*			
Surrogate: 2-Fluorobiphenyl	*93.2*			*ug/l*	*100*		*93*	*40-124*			
Surrogate: 2,4,6-Tribromophenol	*149*			*ug/l*	*150*		*99*	*11-142*			
Surrogate: Terphenyl-d14	*95.7*			*ug/l*	*100*		*96*	*56-139*			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech Appendix IX

Report Number: ILL1698

Sampled: 12/30/02
Received: 12/30/02

DATA QUALIFIERS AND DEFINITIONS

E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
HT-04	This sample was analyzed beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
J	Estimated value.
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
RL-3	Reporting limit raised due to high concentrations of non-target analytes.
S-BN	Base/Neutral surrogate recovery outside control limits. The data was accepted based on valid recovery of remaining two base/neutral surrogates.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee	Project ID: Phibro-Tech Appendix IX	
18581 Teller Avenue, #200		Sampled: 12/30/02
Irvine, CA 92612	Report Number: ILL1698	Received: 12/30/02
Attention: Sharon Wallin		

Certification Summary

Subcontracted Laboratories

Sequoia Analytical - Morgan Hill *CA ELAP Cert #1210 and AZ DHS Licence #01117CA*

Methods Performed: EPA 8141A

Samples: ILL1698-01, ILL1698-02, ILL1698-03, ILL1698-04, ILL1698-05

EPA 8151A

Samples: ILL1698-01, ILL1698-02, ILL1698-03, ILL1698-04, ILL1698-05

Sequoia Analytical - Petaluma *CA ELAP Cert #2374*

Methods Performed: EPA 8260B

Samples: ILL1698-01, ILL1698-02, ILL1698-03, ILL1698-03RE1, ILL1698-04, ILL1698-05, ILL1698-06

EPA 8270C

Samples: ILL1698-01, ILL1698-02, ILL1698-03, ILL1698-04, ILL1698-05

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106924

CHAIN OF CUSTODY FORM

Quote No.: _____ Page: 1 of 1

Client Name: CDM
Address:
City: IRVINE, CA State: Zip:
Tel: 949 752 5452 Fax.:
P.O./Project Number:
Project Name: PHI BROTECH
Project Manager: SHARON MALLIN / JOHN BERNOSKI
Sampler(s) (signature): [signature]

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	8015 (Gas) / 8020 (BTEX)	MTBE (8020) / 8015/8020/MTBE	8015 (Diesel) fuel / simulated distillation / fingerprint	Oil & Grease - EPA 413.2	~~TRPH - EPA 418.1~~ SULFIDE	EPA 8010 / EPA 8010/8020	EPA 8270	Title 22 Metals EPA 6010/7000 / +Cr VI	EPA 8260 + Oxygenates / + MTBE / MTBE only	~~LUFT~~ TITLE 22 METALS	pH	CN	Cr(VI) 7199	8081	8082	8141	8151	8290
PTI-MW 45-056	W	12/30/02	0830		16						X		X		X	X	X	X	X	X	X	X	X	X
PTI-MW 07-056	↓	↓	1020		16						X		X		X	X	X	X	X	X	X	X	X	X
PTI-MW 04-056	↓	↓	1310		~~16~~ 15						X		X		X	X	X	X	X	X	X	X	X	X
PTI-MW 11-056	↓	↓	1445		16						X		X		X	X	X	X	X	X	X	X	X	X
PTI-MW 35-056	↓	↓	0730		16						X		X		X	X	X	X	X	X	X	X	X	X
PTI-~~MW~~ EB01-056	↓	↓	~~1200~~ 1400		5										X	X			X					

Relinquished by: [signature] Date/Time: 1647 12/30/02 Received by: Date/Time:
Relinquished by: Date/Time: Received by: Date/Time:
Relinquished by: Date/Time: Received in Lab by: [signature] Date/Time: 12/30/02 16:47

Turnaround Time: (check one):
Same Day ___ 72 hours ___
24 Hours ___ 5 Days ___
48 Hours ___ Standard X

Sample Integrity:
Intact: X On Ice 7°C

Remarks:

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of the invoice. Sample(s) will be disposed of after 30 days.

COC-GT

Del Mar Analytical

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LABORATORY REPORT

Prepared For: Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project: Phibro-Tech

Sampled: 01/08/03
Received: 01/08/03
Issued: 01/17/03

CA ELAP Certificate #1197

AZ DHS License #AZ0428

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SAMPLE CROSS REFERENCE

LABORATORY ID	CLIENT ID	MATRIX
IMA0282-01	PT1-MW01D-056	Water
IMA0282-02	PT1-MW01S-056	Water
IMA0282-03	PT1-MW03-056	Water
IMA0282-04	PT1-MW15D-056	Water
IMA0282-05	PT1-MW15S-056	Water
IMA0282-06	PT1-EB02-056	Water
IMA0282-07	PT1-MW06D-056	Water

Del Mar Analytical, Irvine
Patty Mata
Project Manager

Del Mar Analytical

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-01 (PT1-MW01D-056 - Water)									
Benzene	EPA 8260B	3A10017	N/A	0.50	**0.67**	1	01/10/03	01/10/03	
Bromobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromodichloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromoform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
n-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
sec-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
tert-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Carbon tetrachloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Chlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
4-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,4-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dichlorodifluoromethane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,1-Dichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloroethane	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
1,1-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
trans-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1-Dichloropropene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
trans-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Ethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Hexachlorobutadiene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Isopropylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
p-Isopropyltoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Methylene chloride	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
Naphthalene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	

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Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-01 (PT1-MW01D-056 - Water)									
n-Propylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Styrene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Tetrachloroethene	EPA 8260B	3A10017	N/A	1.0	**2.8**	1	01/10/03	01/10/03	
Toluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Trichloroethene	EPA 8260B	3A10017	N/A	1.0	**2.2**	1	01/10/03	01/10/03	
Trichlorofluoromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3,5-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Vinyl chloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
o-Xylene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
m,p-Xylenes	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Surrogate: Dibromofluoromethane (80-120%)					*110 %*				
Surrogate: Toluene-d8 (80-120%)					*111 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*112 %*				

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Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-02 (PT1-MW01S-056 - Water)									
Benzene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Bromobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromodichloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromoform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
n-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
sec-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
tert-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Carbon tetrachloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Chlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
4-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,4-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dichlorodifluoromethane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,1-Dichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloroethane	EPA 8260B	3A10017	N/A	0.50	**1.3**	1	01/10/03	01/10/03	
1,1-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	**2.5**	1	01/10/03	01/10/03	
trans-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1-Dichloropropene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
trans-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Ethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Hexachlorobutadiene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Isopropylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
p-Isopropyltoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Methylene chloride	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
Naphthalene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	

Del Mar Analytical, Irvine
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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-02 (PT1-MW01S-056 - Water)									
n-Propylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Styrene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Tetrachloroethene	EPA 8260B	3A10017	N/A	1.0	**2.0**	1	01/10/03	01/10/03	
Toluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Trichloroethene	EPA 8260B	3A10017	N/A	1.0	**11**	1	01/10/03	01/10/03	
Trichlorofluoromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3,5-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Vinyl chloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
o-Xylene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
m,p-Xylenes	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Surrogate: Dibromofluoromethane (80-120%)					*114 %*				
Surrogate: Toluene-d8 (80-120%)					*110 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*113 %*				

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-03 (PT1-MW03-056 - Water)									
Benzene	EPA 8260B	3A10012	N/A	1.0	**1.6**	2	01/10/03	01/11/03	
Bromobenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Bromochloromethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Bromodichloromethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Bromoform	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Bromomethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
n-Butylbenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
sec-Butylbenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
tert-Butylbenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Carbon tetrachloride	EPA 8260B	3A10012	N/A	1.0	**22**	2	01/10/03	01/11/03	
Chlorobenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Chloroethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Chloroform	EPA 8260B	3A10012	N/A	2.0	**27**	2	01/10/03	01/11/03	
Chloromethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
2-Chlorotoluene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
4-Chlorotoluene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Dibromochloromethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A10012	N/A	10	ND	2	01/10/03	01/11/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Dibromomethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,2-Dichlorobenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,3-Dichlorobenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,4-Dichlorobenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Dichlorodifluoromethane	EPA 8260B	3A10012	N/A	10	ND	2	01/10/03	01/11/03	
1,1-Dichloroethane	EPA 8260B	3A10012	N/A	2.0	**32**	2	01/10/03	01/11/03	
1,2-Dichloroethane	EPA 8260B	3A10012	N/A	1.0	**15**	2	01/10/03	01/11/03	
1,1-Dichloroethene	EPA 8260B	3A10012	N/A	2.0	**48**	2	01/10/03	01/11/03	
cis-1,2-Dichloroethene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
trans-1,2-Dichloroethene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,2-Dichloropropane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,3-Dichloropropane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
2,2-Dichloropropane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,1-Dichloropropene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
cis-1,3-Dichloropropene	EPA 8260B	3A10012	N/A	1.0	ND	2	01/10/03	01/11/03	
trans-1,3-Dichloropropene	EPA 8260B	3A10012	N/A	1.0	ND	2	01/10/03	01/11/03	
Ethylbenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Hexachlorobutadiene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Isopropylbenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
p-Isopropyltoluene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Methylene chloride	EPA 8260B	3A10012	N/A	10	ND	2	01/10/03	01/11/03	
Naphthalene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-03 (PT1-MW03-056 - Water)									
n-Propylbenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Styrene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Tetrachloroethene	EPA 8260B	3A10012	N/A	2.0	**5.6**	2	01/10/03	01/11/03	
Toluene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,2,3-Trichlorobenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,2,4-Trichlorobenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,1,1-Trichloroethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,1,2-Trichloroethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Trichloroethene	EPA 8260B	3A10012	N/A	2.0	**250**	2	01/10/03	01/11/03	
Trichlorofluoromethane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,2,3-Trichloropropane	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,2,4-Trimethylbenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
1,3,5-Trimethylbenzene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
Vinyl chloride	EPA 8260B	3A10012	N/A	1.0	ND	2	01/10/03	01/11/03	
o-Xylene	EPA 8260B	3A10012	N/A	2.0	ND	2	01/10/03	01/11/03	
m,p-Xylenes	EPA 8260B	3A10012	N/A	2.0	**2.3**	2	01/10/03	01/11/03	
Surrogate: Dibromofluoromethane (80-120%)					*120 %*				
Surrogate: Toluene-d8 (80-120%)					*111 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*111 %*				

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit ug/l	Reporting Limit ug/l	Sample Result ug/l	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMA0282-04 (PT1-MW15D-056 - Water)									
Benzene	EPA 8260B	3A10017	N/A	0.50	**1.3**	1	01/10/03	01/10/03	
Bromobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromodichloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromoform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
n-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
sec-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
tert-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Carbon tetrachloride	EPA 8260B	3A10017	N/A	0.50	**0.52**	1	01/10/03	01/10/03	
Chlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroform	EPA 8260B	3A10017	N/A	1.0	**1.1**	1	01/10/03	01/10/03	
Chloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
4-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,4-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dichlorodifluoromethane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,1-Dichloroethane	EPA 8260B	3A10017	N/A	1.0	**1.0**	1	01/10/03	01/10/03	
1,2-Dichloroethane	EPA 8260B	3A10017	N/A	0.50	**2.0**	1	01/10/03	01/10/03	
1,1-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
trans-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1-Dichloropropene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
trans-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Ethylbenzene	EPA 8260B	3A10017	N/A	1.0	**7.7**	1	01/10/03	01/10/03	
Hexachlorobutadiene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Isopropylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
p-Isopropyltoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Methylene chloride	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
Naphthalene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-04 (PT1-MW15D-056 - Water)									
n-Propylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Styrene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Tetrachloroethene	EPA 8260B	3A10017	N/A	1.0	**2.4**	1	01/10/03	01/10/03	
Toluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Trichloroethene	EPA 8260B	3A10017	N/A	1.0	**11**	1	01/10/03	01/10/03	
Trichlorofluoromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3,5-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Vinyl chloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
o-Xylene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
m,p-Xylenes	EPA 8260B	3A10017	N/A	1.0	**2.3**	1	01/10/03	01/10/03	
Surrogate: Dibromofluoromethane (80-120%)					*108 %*				
Surrogate: Toluene-d8 (80-120%)					*111 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*109 %*				

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Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-05 (PT1-MW15S-056 - Water)									
Benzene	EPA 8260B	3A10017	N/A	0.50	**0.53**	1	01/10/03	01/10/03	
Bromobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromodichloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromoform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
n-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
sec-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
tert-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Carbon tetrachloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Chlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
4-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,4-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dichlorodifluoromethane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,1-Dichloroethane	EPA 8260B	3A10017	N/A	1.0	**6.3**	1	01/10/03	01/10/03	
1,2-Dichloroethane	EPA 8260B	3A10017	N/A	0.50	**14**	1	01/10/03	01/10/03	
1,1-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	**2.9**	1	01/10/03	01/10/03	
cis-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	**6.9**	1	01/10/03	01/10/03	
trans-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1-Dichloropropene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
trans-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Ethylbenzene	EPA 8260B	3A10017	N/A	1.0	**6.0**	1	01/10/03	01/10/03	
Hexachlorobutadiene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Isopropylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
p-Isopropyltoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Methylene chloride	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
Naphthalene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	

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Patty Mata
Project Manager

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Del Mar Analytical

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-05 (PT1-MW15S-056 - Water)									
n-Propylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Styrene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Tetrachloroethene	EPA 8260B	3A10017	N/A	1.0	**1.3**	1	01/10/03	01/10/03	
Toluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Trichloroethene	EPA 8260B	3A10017	N/A	1.0	**22**	1	01/10/03	01/10/03	
Trichlorofluoromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3,5-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Vinyl chloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
o-Xylene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
m,p-Xylenes	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Surrogate: Dibromofluoromethane (80-120%)					*113 %*				
Surrogate: Toluene-d8 (80-120%)					*111 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*110 %*				

Del Mar Analytical, Irvine
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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-06 (PT1-EB02-056 - Water)									
Benzene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Bromobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromodichloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromoform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
n-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
sec-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
tert-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Carbon tetrachloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Chlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
4-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,4-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dichlorodifluoromethane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,1-Dichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloroethane	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
1,1-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
trans-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1-Dichloropropene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
trans-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Ethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Hexachlorobutadiene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Isopropylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
p-Isopropyltoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Methylene chloride	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
Naphthalene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-06 (PT1-EB02-056 - Water)									
n-Propylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Styrene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Tetrachloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Toluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Trichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Trichlorofluoromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3,5-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Vinyl chloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
o-Xylene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
m,p-Xylenes	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Surrogate: Dibromofluoromethane (80-120%)					*117 %*				
Surrogate: Toluene-d8 (80-120%)					*113 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*111 %*				

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Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-07 (PT1-MW06D-056 - Water)									
Benzene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Bromobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromodichloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromoform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Bromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
n-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
sec-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
tert-Butylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Carbon tetrachloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Chlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloroform	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Chloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
4-Chlorotoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromochloromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,2-Dibromoethane (EDB)	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dibromomethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,4-Dichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Dichlorodifluoromethane	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
1,1-Dichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloroethane	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
1,1-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
trans-1,2-Dichloroethene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
2,2-Dichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1-Dichloropropene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
cis-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
trans-1,3-Dichloropropene	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
Ethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Hexachlorobutadiene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Isopropylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
p-Isopropyltoluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Methylene chloride	EPA 8260B	3A10017	N/A	5.0	ND	1	01/10/03	01/10/03	
Naphthalene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	

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Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l	ug/l				
Sample ID: IMA0282-07 (PT1-MW06D-056 - Water)									
n-Propylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Styrene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Tetrachloroethene	EPA 8260B	3A10017	N/A	1.0	**1.0**	1	01/10/03	01/10/03	
Toluene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trichlorobenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,1-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,1,2-Trichloroethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Trichloroethene	EPA 8260B	3A10017	N/A	1.0	**6.3**	1	01/10/03	01/10/03	
Trichlorofluoromethane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,3-Trichloropropane	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,2,4-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
1,3,5-Trimethylbenzene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Vinyl chloride	EPA 8260B	3A10017	N/A	0.50	ND	1	01/10/03	01/10/03	
o-Xylene	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
m,p-Xylenes	EPA 8260B	3A10017	N/A	1.0	ND	1	01/10/03	01/10/03	
Surrogate: Dibromofluoromethane (80-120%)					*118 %*				
Surrogate: Toluene-d8 (80-120%)					*113 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)					*112 %*				

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IMA0282-01 (PT1-MW01D-056 - Water)									
Cadmium	EPA 6010B	3A09031	N/A	0.0050	ND	1	01/09/03	01/09/03	
Chromium	EPA 6010B	3A09031	0.00055	0.0050	**0.0015**	1	01/09/03	01/09/03	J
Copper	EPA 6010B	3A09031	N/A	0.010	**0.022**	1	01/09/03	01/09/03	
Sample ID: IMA0282-02 (PT1-MW01S-056 - Water)									
Cadmium	EPA 6010B	3A09031	N/A	0.0050	ND	1	01/09/03	01/09/03	
Chromium	EPA 6010B	3A09031	0.00055	0.0050	**0.0024**	1	01/09/03	01/09/03	J
Copper	EPA 6010B	3A09031	N/A	0.010	ND	1	01/09/03	01/09/03	
Sample ID: IMA0282-03 (PT1-MW03-056 - Water)									
Cadmium	EPA 6010B	3A09031	N/A	0.0050	ND	1	01/09/03	01/09/03	
Chromium	EPA 6010B	3A09031	0.00055	0.0050	ND	1	01/09/03	01/09/03	
Copper	EPA 6010B	3A09031	N/A	0.010	**0.010**	1	01/09/03	01/09/03	
Sample ID: IMA0282-04 (PT1-MW15D-056 - Water)									
Cadmium	EPA 6010B	3A09031	N/A	0.0050	ND	1	01/09/03	01/09/03	
Chromium	EPA 6010B	3A09031	0.00055	0.0050	**0.0031**	1	01/09/03	01/09/03	J
Copper	EPA 6010B	3A09031	N/A	0.010	**0.017**	1	01/09/03	01/09/03	
Sample ID: IMA0282-05 (PT1-MW15S-056 - Water)									
Cadmium	EPA 6010B	3A09031	N/A	0.0050	**0.0053**	1	01/09/03	01/09/03	
Chromium	EPA 6010B	3A09031	0.00055	0.0050	**0.0042**	1	01/09/03	01/09/03	J
Copper	EPA 6010B	3A09031	N/A	0.010	ND	1	01/09/03	01/09/03	

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Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

METALS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IMA0282-06 (PT1-EB02-056 - Water)									
Cadmium	EPA 6010B	3A09031	N/A	0.0050	ND	1	01/09/03	01/10/03	
Chromium	EPA 6010B	3A09031	0.00055	0.0050	ND	1	01/09/03	01/10/03	
Copper	EPA 6010B	3A09031	N/A	0.010	ND	1	01/09/03	01/10/03	
Sample ID: IMA0282-07 (PT1-MW06D-056 - Water)									
Cadmium	EPA 6010B	3A09031	N/A	0.0050	ND	1	01/09/03	01/09/03	
Chromium	EPA 6010B	3A09031	0.00055	0.0050	**0.0020**	1	01/09/03	01/09/03	J
Copper	EPA 6010B	3A09031	N/A	0.010	**0.012**	1	01/09/03	01/09/03	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IMA0282-01 (PT1-MW01D-056 - Water)									
Chromium VI	EPA 7199	3A08055	N/A	0.0010	ND	1	01/08/03	01/08/03	
			pH Units	pH Units	pH Units				
Sample ID: IMA0282-01 (PT1-MW01D-056 - Water)									
pH	EPA 150.1	3A08054	N/A	NA	**7.29**	1	01/08/03	01/08/03	
			mg/l	mg/l	mg/l				
Sample ID: IMA0282-02 (PT1-MW01S-056 - Water)									
Chromium VI	EPA 7199	3A08055	N/A	0.0010	ND	1	01/08/03	01/08/03	
			pH Units	pH Units	pH Units				
Sample ID: IMA0282-02 (PT1-MW01S-056 - Water)									
pH	EPA 150.1	3A08054	N/A	NA	**6.78**	1	01/08/03	01/08/03	
			mg/l	mg/l	mg/l				
Sample ID: IMA0282-03 (PT1-MW03-056 - Water)									
Chromium VI	EPA 7199	3A08055	N/A	0.0010	ND	1	01/08/03	01/08/03	
			pH Units	pH Units	pH Units				
Sample ID: IMA0282-03 (PT1-MW03-056 - Water)									
pH	EPA 150.1	3A08054	N/A	NA	**6.98**	1	01/08/03	01/08/03	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IMA0282-04 (PT1-MW15D-056 - Water)									
Chromium VI	EPA 7199	3A08055	N/A	0.0010	ND	1	01/08/03	01/08/03	
			pH Units	pH Units	pH Units				
Sample ID: IMA0282-04 (PT1-MW15D-056 - Water)									
pH	EPA 150.1	3A08054	N/A	NA	**7.52**	1	01/08/03	01/08/03	
			mg/l	mg/l	mg/l				
Sample ID: IMA0282-05 (PT1-MW15S-056 - Water)									
Chromium VI	EPA 7199	3A08055	N/A	0.0010	**0.0042**	1	01/08/03	01/08/03	
			pH Units	pH Units	pH Units				
Sample ID: IMA0282-05 (PT1-MW15S-056 - Water)									
pH	EPA 150.1	3A08054	N/A	NA	**7.22**	1	01/08/03	01/08/03	
			mg/l	mg/l	mg/l				
Sample ID: IMA0282-06 (PT1-EB02-056 - Water)									
Chromium VI	EPA 7199	3A08055	N/A	0.0010	ND	1	01/08/03	01/08/03	
			pH Units	pH Units	pH Units				
Sample ID: IMA0282-06 (PT1-EB02-056 - Water)									
pH	EPA 150.1	3A08054	N/A	NA	**6.15**	1	01/08/03	01/08/03	

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INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l	mg/l				
Sample ID: IMA0282-07 (PT1-MW06D-056 - Water)									
Chromium VI	EPA 7199	3A08055	N/A	0.0010	**0.0018**	1	01/08/03	01/08/03	
			pH Units	pH Units	pH Units				
Sample ID: IMA0282-07 (PT1-MW06D-056 - Water)									
pH	EPA 150.1	3A08054	N/A	NA	**7.41**	1	01/08/03	01/08/03	

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Report Number: IMA0282

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10012 Extracted: 01/10/03											
Blank Analyzed: 01/10/03 (3A10012-BLK1)											
Benzene	ND	0.50	N/A	ug/l							
Bromobenzene	ND	1.0	N/A	ug/l							
Bromochloromethane	ND	1.0	N/A	ug/l							
Bromodichloromethane	ND	1.0	N/A	ug/l							
Bromoform	ND	1.0	N/A	ug/l							
Bromomethane	ND	1.0	N/A	ug/l							
n-Butylbenzene	ND	1.0	N/A	ug/l							
sec-Butylbenzene	ND	1.0	N/A	ug/l							
tert-Butylbenzene	ND	1.0	N/A	ug/l							
Carbon tetrachloride	ND	0.50	N/A	ug/l							
Chlorobenzene	ND	1.0	N/A	ug/l							
Chloroethane	ND	1.0	N/A	ug/l							
Chloroform	ND	1.0	N/A	ug/l							
Chloromethane	ND	1.0	N/A	ug/l							
2-Chlorotoluene	ND	1.0	N/A	ug/l							
4-Chlorotoluene	ND	1.0	N/A	ug/l							
Dibromochloromethane	ND	1.0	N/A	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	N/A	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	N/A	ug/l							
Dibromomethane	ND	1.0	N/A	ug/l							
1,2-Dichlorobenzene	ND	1.0	N/A	ug/l							
1,3-Dichlorobenzene	ND	1.0	N/A	ug/l							
1,4-Dichlorobenzene	ND	1.0	N/A	ug/l							
Dichlorodifluoromethane	ND	5.0	N/A	ug/l							
1,1-Dichloroethane	ND	1.0	N/A	ug/l							
1,2-Dichloroethane	ND	0.50	N/A	ug/l							
1,1-Dichloroethene	ND	1.0	N/A	ug/l							
cis-1,2-Dichloroethene	ND	1.0	N/A	ug/l							
trans-1,2-Dichloroethene	ND	1.0	N/A	ug/l							
1,2-Dichloropropane	ND	1.0	N/A	ug/l							
1,3-Dichloropropane	ND	1.0	N/A	ug/l							
2,2-Dichloropropane	ND	1.0	N/A	ug/l							
1,1-Dichloropropene	ND	1.0	N/A	ug/l							
cis-1,3-Dichloropropene	ND	0.50	N/A	ug/l							
trans-1,3-Dichloropropene	ND	0.50	N/A	ug/l							
Ethylbenzene	ND	1.0	N/A	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10012 Extracted: 01/10/03											
Blank Analyzed: 01/10/03 (3A10012-BLK1)											
Hexachlorobutadiene	ND	1.0	N/A	ug/l							
sopropylbenzene	ND	1.0	N/A	ug/l							
-Isopropyltoluene	ND	1.0	N/A	ug/l							
Methylene chloride	ND	5.0	N/A	ug/l							
Naphthalene	ND	1.0	N/A	ug/l							
-Propylbenzene	ND	1.0	N/A	ug/l							
Styrene	ND	1.0	N/A	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	N/A	ug/l							
,1,2,2-Tetrachloroethane	ND	1.0	N/A	ug/l							
etrachloroethene	ND	1.0	N/A	ug/l							
Toluene	ND	1.0	N/A	ug/l							
,2,3-Trichlorobenzene	ND	1.0	N/A	ug/l							
,2,4-Trichlorobenzene	ND	1.0	N/A	ug/l							
1,1,1-Trichloroethane	ND	1.0	N/A	ug/l							
1,1,2-Trichloroethane	ND	1.0	N/A	ug/l							
richloroethene	ND	1.0	N/A	ug/l							
Trichlorofluoromethane	ND	1.0	N/A	ug/l							
1,2,3-Trichloropropane	ND	1.0	N/A	ug/l							
,2,4-Trimethylbenzene	ND	1.0	N/A	ug/l							
3,5-Trimethylbenzene	ND	1.0	N/A	ug/l							
Vinyl chloride	ND	0.50	N/A	ug/l							
-Xylene	ND	1.0	N/A	ug/l							
,p-Xylenes	ND	1.0	N/A	ug/l							
Surrogate: Dibromofluoromethane	*28.1*			*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*27.4*			*ug/l*	*25.0*		*110*	*80-120*			
urrogate: 4-Bromofluorobenzene	*27.1*			*ug/l*	*25.0*		*108*	*80-120*			
LCS Analyzed: 01/10/03 (3A10012-BS1)											
Benzene	26.6	0.50	N/A	ug/l	25.0		106	70-120			
romobenzene	26.3	1.0	N/A	ug/l	25.0		105	80-120			
Bromochloromethane	26.7	1.0	N/A	ug/l	25.0		107	65-135			
Bromodichloromethane	26.3	1.0	N/A	ug/l	25.0		105	70-140			
romoform	25.1	1.0	N/A	ug/l	25.0		100	55-135			
romomethane	25.4	1.0	N/A	ug/l	25.0		102	65-140			
n-Butylbenzene	26.9	1.0	N/A	ug/l	25.0		108	75-130			
c-Butylbenzene	26.8	1.0	N/A	ug/l	25.0		107	75-125			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10012 Extracted: 01/10/03											
LCS Analyzed: 01/10/03 (3A10012-BS1)											
tert-Butylbenzene	28.0	1.0	N/A	ug/l	25.0		112	75-125			
Carbon tetrachloride	28.6	0.50	N/A	ug/l	25.0		114	65-155			
Chlorobenzene	26.4	1.0	N/A	ug/l	25.0		106	80-125			
Chloroethane	26.3	1.0	N/A	ug/l	25.0		105	60-145			
Chloroform	26.6	1.0	N/A	ug/l	25.0		106	70-130			
Chloromethane	21.5	1.0	N/A	ug/l	25.0		86	40-145			
2-Chlorotoluene	26.4	1.0	N/A	ug/l	25.0		106	75-125			
4-Chlorotoluene	27.1	1.0	N/A	ug/l	25.0		108	75-125			
Dibromochloromethane	26.3	1.0	N/A	ug/l	25.0		105	65-145			
1,2-Dibromo-3-chloropropane	21.6	5.0	N/A	ug/l	25.0		86	50-130			
1,2-Dibromoethane (EDB)	24.9	1.0	N/A	ug/l	25.0		100	75-125			
Dibromomethane	25.6	1.0	N/A	ug/l	25.0		102	70-130			
1,2-Dichlorobenzene	26.5	1.0	N/A	ug/l	25.0		106	80-120			
1,3-Dichlorobenzene	25.9	1.0	N/A	ug/l	25.0		104	75-120			
1,4-Dichlorobenzene	26.3	1.0	N/A	ug/l	25.0		105	75-120			
Dichlorodifluoromethane	21.1	5.0	N/A	ug/l	25.0		84	10-160			
1,1-Dichloroethane	27.8	1.0	N/A	ug/l	25.0		111	70-135			
1,2-Dichloroethane	26.1	0.50	N/A	ug/l	25.0		104	60-150			
1,1-Dichloroethene	30.6	1.0	N/A	ug/l	25.0		122	70-130			
cis-1,2-Dichloroethene	26.1	1.0	N/A	ug/l	25.0		104	70-125			
trans-1,2-Dichloroethene	28.2	1.0	N/A	ug/l	25.0		113	70-130			
1,2-Dichloropropane	25.7	1.0	N/A	ug/l	25.0		103	65-120			
1,3-Dichloropropane	25.0	1.0	N/A	ug/l	25.0		100	70-130			
2,2-Dichloropropane	28.6	1.0	N/A	ug/l	25.0		114	70-150			
1,1-Dichloropropene	27.7	1.0	N/A	ug/l	25.0		111	75-130			
cis-1,3-Dichloropropene	26.4	0.50	N/A	ug/l	25.0		106	75-130			
trans-1,3-Dichloropropene	25.6	0.50	N/A	ug/l	25.0		102	70-135			
Ethylbenzene	26.6	1.0	N/A	ug/l	25.0		106	70-125			
Hexachlorobutadiene	26.2	1.0	N/A	ug/l	25.0		105	70-140			
Isopropylbenzene	28.1	1.0	N/A	ug/l	25.0		112	70-125			
p-Isopropyltoluene	25.8	1.0	N/A	ug/l	25.0		103	75-125			
Methylene chloride	26.1	5.0	N/A	ug/l	25.0		104	60-135			
Naphthalene	24.9	1.0	N/A	ug/l	25.0		100	50-145			
n-Propylbenzene	27.6	1.0	N/A	ug/l	25.0		110	75-130			
Styrene	28.0	1.0	N/A	ug/l	25.0		112	80-135			
1,1,1,2-Tetrachloroethane	27.8	1.0	N/A	ug/l	25.0		111	70-145			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10012 Extracted: 01/10/03											
LCS Analyzed: 01/10/03 (3A10012-BS1)											
1,1,2,2-Tetrachloroethane	22.6	1.0	N/A	ug/l	25.0		90	60-135			
etrachloroethene	27.7	1.0	N/A	ug/l	25.0		111	80-125			
oluene	25.4	1.0	N/A	ug/l	25.0		102	70-120			
1,2,3-Trichlorobenzene	24.4	1.0	N/A	ug/l	25.0		98	65-135			
2,4-Trichlorobenzene	26.2	1.0	N/A	ug/l	25.0		105	70-140			
1,1-Trichloroethane	28.0	1.0	N/A	ug/l	25.0		112	70-140			
1,1,2-Trichloroethane	23.6	1.0	N/A	ug/l	25.0		94	70-125			
Trichloroethene	27.0	1.0	N/A	ug/l	25.0		108	75-120			
ichlorofluoromethane	29.7	1.0	N/A	ug/l	25.0		119	65-145			
2,3-Trichloropropane	23.2	1.0	N/A	ug/l	25.0		93	60-130			
1,2,4-Trimethylbenzene	26.1	1.0	N/A	ug/l	25.0		104	80-125			
3,5-Trimethylbenzene	28.1	1.0	N/A	ug/l	25.0		112	80-125			
inyl chloride	26.3	0.50	N/A	ug/l	25.0		105	50-130			
o-Xylene	26.6	1.0	N/A	ug/l	25.0		106	70-125			
m,p-Xylenes	53.8	1.0	N/A	ug/l	50.0		108	70-120			
urrogate: Dibromofluoromethane	*27.5*			*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*27.7*			*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.8*			*ug/l*	*25.0*		*111*	*80-120*			
atrix Spike Analyzed: 01/10/03 (3A10012-MS1)						**Source: IMA0379-04**					
Benzene	27.0	0.50	N/A	ug/l	25.0	ND	108	60-125			
Bromodichloromethane	27.5	1.0	N/A	ug/l	25.0	ND	110	70-140			
omoform	25.8	1.0	N/A	ug/l	25.0	ND	103	50-140			
hlorobenzene	27.0	1.0	N/A	ug/l	25.0	ND	108	75-125			
Chloroform	28.0	1.0	N/A	ug/l	25.0	ND	112	70-130			
bromochloromethane	27.0	1.0	N/A	ug/l	25.0	ND	108	65-145			
4-Dichlorobenzene	26.8	1.0	N/A	ug/l	25.0	ND	107	70-120			
1,1-Dichloroethane	28.7	1.0	N/A	ug/l	25.0	ND	115	65-135			
2-Dichloroethane	27.4	0.50	N/A	ug/l	25.0	ND	110	60-150			
1-Dichloroethene	32.5	1.0	N/A	ug/l	25.0	1.0	126	60-135			
Ethylbenzene	26.9	1.0	N/A	ug/l	25.0	ND	108	65-125			
Naphthalene	25.6	1.0	N/A	ug/l	25.0	ND	102	55-145			
etrachloroethene	39.2	1.0	N/A	ug/l	25.0	11	113	70-130			
oluene	26.1	1.0	N/A	ug/l	25.0	ND	104	65-125			
Trichloroethene	189	1.0	N/A	ug/l	25.0	170	76	70-125			*M-HA*
nyl chloride	26.3	0.50	N/A	ug/l	25.0	ND	105	40-135			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10012 Extracted: 01/10/03											
Matrix Spike Analyzed: 01/10/03 (3A10012-MS1)						**Source: IMA0379-04**					
o-Xylene	26.9	1.0	N/A	ug/l	25.0	ND	108	65-125			
m,p-Xylenes	54.2	1.0	N/A	ug/l	50.0	ND	108	65-120			
Surrogate: Dibromofluoromethane	*28.0*			*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*28.1*			*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*28.4*			*ug/l*	*25.0*		*114*	*80-120*			
Matrix Spike Dup Analyzed: 01/10/03 (3A10012-MSD1)						**Source: IMA0379-04**					
Benzene	26.2	0.50	N/A	ug/l	25.0	ND	105	60-125	3	20	
Bromodichloromethane	27.3	1.0	N/A	ug/l	25.0	ND	109	70-140	1	20	
Bromoform	29.0	1.0	N/A	ug/l	25.0	ND	116	50-140	12	30	
Chlorobenzene	26.2	1.0	N/A	ug/l	25.0	ND	105	75-125	3	20	
Chloroform	27.1	1.0	N/A	ug/l	25.0	ND	108	70-130	3	20	
Dibromochloromethane	28.1	1.0	N/A	ug/l	25.0	ND	112	65-145	4	25	
1,4-Dichlorobenzene	25.7	1.0	N/A	ug/l	25.0	ND	103	70-120	4	20	
1,1-Dichloroethane	27.6	1.0	N/A	ug/l	25.0	ND	110	65-135	4	20	
1,2-Dichloroethane	27.8	0.50	N/A	ug/l	25.0	ND	111	60-150	1	25	
1,1-Dichloroethene	31.1	1.0	N/A	ug/l	25.0	1.0	120	60-135	4	20	
Ethylbenzene	26.2	1.0	N/A	ug/l	25.0	ND	105	65-125	3	20	
Naphthalene	29.7	1.0	N/A	ug/l	25.0	ND	119	55-145	15	30	
Tetrachloroethene	37.6	1.0	N/A	ug/l	25.0	11	106	70-130	4	20	
Toluene	25.2	1.0	N/A	ug/l	25.0	ND	101	65-125	4	20	
Trichloroethene	180	1.0	N/A	ug/l	25.0	170	40	70-125	5	20	*M-HA*
Vinyl chloride	26.0	0.50	N/A	ug/l	25.0	ND	104	40-135	1	20	
o-Xylene	26.0	1.0	N/A	ug/l	25.0	ND	104	65-125	3	20	
m,p-Xylenes	52.6	1.0	N/A	ug/l	50.0	ND	105	65-120	3	20	
Surrogate: Dibromofluoromethane	*28.4*			*ug/l*	*25.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*27.7*			*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*28.6*			*ug/l*	*25.0*		*114*	*80-120*			

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Report Number: IMA0282

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10017 Extracted: 01/10/03											
lank Analyzed: 01/10/03 (3A10017-BLK1)											
Benzene	ND	0.50	N/A	ug/l							
romobenzene	ND	1.0	N/A	ug/l							
romochloromethane	ND	1.0	N/A	ug/l							
Bromodichloromethane	ND	1.0	N/A	ug/l							
Bromoform	ND	1.0	N/A	ug/l							
romomethane	ND	1.0	N/A	ug/l							
n-Butylbenzene	ND	1.0	N/A	ug/l							
sec-Butylbenzene	ND	1.0	N/A	ug/l							
rt-Butylbenzene	ND	1.0	N/A	ug/l							
arbon tetrachloride	ND	0.50	N/A	ug/l							
Chlorobenzene	ND	1.0	N/A	ug/l							
hloroethane	ND	1.0	N/A	ug/l							
hloroform	ND	1.0	N/A	ug/l							
Chloromethane	ND	1.0	N/A	ug/l							
2-Chlorotoluene	ND	1.0	N/A	ug/l							
-Chlorotoluene	ND	1.0	N/A	ug/l							
ibromochloromethane	ND	1.0	N/A	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	N/A	ug/l							
2-Dibromoethane (EDB)	ND	1.0	N/A	ug/l							
ibromomethane	ND	1.0	N/A	ug/l							
1,2-Dichlorobenzene	ND	1.0	N/A	ug/l							
3-Dichlorobenzene	ND	1.0	N/A	ug/l							
4-Dichlorobenzene	ND	1.0	N/A	ug/l							
Dichlorodifluoromethane	ND	5.0	N/A	ug/l							
1,1-Dichloroethane	ND	1.0	N/A	ug/l							
2-Dichloroethane	ND	0.50	N/A	ug/l							
1-Dichloroethene	ND	1.0	N/A	ug/l							
cis-1,2-Dichloroethene	ND	1.0	N/A	ug/l							
ans-1,2-Dichloroethene	ND	1.0	N/A	ug/l							
2-Dichloropropane	ND	1.0	N/A	ug/l							
1,3-Dichloropropane	ND	1.0	N/A	ug/l							
2-Dichloropropane	ND	1.0	N/A	ug/l							
1-Dichloropropene	ND	1.0	N/A	ug/l							
cis-1,3-Dichloropropene	ND	0.50	N/A	ug/l							
trans-1,3-Dichloropropene	ND	0.50	N/A	ug/l							
thylbenzene	ND	1.0	N/A	ug/l							

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10017 Extracted: 01/10/03											
Blank Analyzed: 01/10/03 (3A10017-BLK1)											
Hexachlorobutadiene	ND	1.0	N/A	ug/l							
Isopropylbenzene	ND	1.0	N/A	ug/l							
p-Isopropyltoluene	ND	1.0	N/A	ug/l							
Methylene chloride	ND	5.0	N/A	ug/l							
Naphthalene	ND	1.0	N/A	ug/l							
n-Propylbenzene	ND	1.0	N/A	ug/l							
Styrene	ND	1.0	N/A	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	N/A	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	N/A	ug/l							
Tetrachloroethene	ND	1.0	N/A	ug/l							
Toluene	ND	1.0	N/A	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	N/A	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	N/A	ug/l							
1,1,1-Trichloroethane	ND	1.0	N/A	ug/l							
1,1,2-Trichloroethane	ND	1.0	N/A	ug/l							
Trichloroethene	ND	1.0	N/A	ug/l							
Trichlorofluoromethane	ND	1.0	N/A	ug/l							
1,2,3-Trichloropropane	ND	1.0	N/A	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	N/A	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	N/A	ug/l							
Vinyl chloride	ND	0.50	N/A	ug/l							
o-Xylene	ND	1.0	N/A	ug/l							
m,p-Xylenes	ND	1.0	N/A	ug/l							
Surrogate: Dibromofluoromethane	*27.7*			*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*27.4*			*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.9*			*ug/l*	*25.0*		*112*	*80-120*			
LCS Analyzed: 01/10/03 (3A10017-BS1)											
Benzene	21.8	0.50	N/A	ug/l	25.0		87	70-120			
Bromobenzene	23.7	1.0	N/A	ug/l	25.0		95	80-120			
Bromochloromethane	23.5	1.0	N/A	ug/l	25.0		94	65-135			
Bromodichloromethane	25.2	1.0	N/A	ug/l	25.0		101	70-140			
Bromoform	22.1	1.0	N/A	ug/l	25.0		88	55-135			
Bromomethane	22.5	1.0	N/A	ug/l	25.0		90	65-140			
n-Butylbenzene	23.1	1.0	N/A	ug/l	25.0		92	75-130			
sec-Butylbenzene	23.2	1.0	N/A	ug/l	25.0		93	75-125			

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Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10017 Extracted: 01/10/03											
LCS Analyzed: 01/10/03 (3A10017-BS1)											
tert-Butylbenzene	24.2	1.0	N/A	ug/l	25.0		97	75-125			
Carbon tetrachloride	27.5	0.50	N/A	ug/l	25.0		110	65-155			
Chlorobenzene	23.0	1.0	N/A	ug/l	25.0		92	80-125			
Chloroethane	22.2	1.0	N/A	ug/l	25.0		89	60-145			
Chloroform	24.6	1.0	N/A	ug/l	25.0		98	70-130			
Chloromethane	18.3	1.0	N/A	ug/l	25.0		73	40-145			
2-Chlorotoluene	23.5	1.0	N/A	ug/l	25.0		94	75-125			
4-Chlorotoluene	24.2	1.0	N/A	ug/l	25.0		97	75-125			
Dibromochloromethane	24.4	1.0	N/A	ug/l	25.0		98	65-145			
1,2-Dibromo-3-chloropropane	24.0	5.0	N/A	ug/l	25.0		96	50-130			
1,2-Dibromoethane (EDB)	24.1	1.0	N/A	ug/l	25.0		96	75-125			
Dibromomethane	24.3	1.0	N/A	ug/l	25.0		97	70-130			
1,2-Dichlorobenzene	22.9	1.0	N/A	ug/l	25.0		92	80-120			
1,3-Dichlorobenzene	23.2	1.0	N/A	ug/l	25.0		93	75-120			
1,4-Dichlorobenzene	23.7	1.0	N/A	ug/l	25.0		95	75-120			
Dichlorodifluoromethane	16.8	5.0	N/A	ug/l	25.0		67	10-160			
1,1-Dichloroethane	23.5	1.0	N/A	ug/l	25.0		94	70-135			
1,2-Dichloroethane	26.7	0.50	N/A	ug/l	25.0		107	60-150			
1,1-Dichloroethene	23.6	1.0	N/A	ug/l	25.0		94	70-130			
cis-1,2-Dichloroethene	21.8	1.0	N/A	ug/l	25.0		87	70-125			
trans-1,2-Dichloroethene	22.6	1.0	N/A	ug/l	25.0		90	70-130			
1,2-Dichloropropane	22.6	1.0	N/A	ug/l	25.0		90	65-120			
1,3-Dichloropropane	23.3	1.0	N/A	ug/l	25.0		93	70-130			
2,2-Dichloropropane	27.8	1.0	N/A	ug/l	25.0		111	70-150			
1,1-Dichloropropene	24.8	1.0	N/A	ug/l	25.0		99	75-130			
cis-1,3-Dichloropropene	24.9	0.50	N/A	ug/l	25.0		100	75-130			
trans-1,3-Dichloropropene	25.8	0.50	N/A	ug/l	25.0		103	70-135			
Ethylbenzene	23.5	1.0	N/A	ug/l	25.0		94	70-125			
Hexachlorobutadiene	23.5	1.0	N/A	ug/l	25.0		94	70-140			
Isopropylbenzene	23.7	1.0	N/A	ug/l	25.0		95	70-125			
p-Isopropyltoluene	22.7	1.0	N/A	ug/l	25.0		91	75-125			
Methylene chloride	21.0	5.0	N/A	ug/l	25.0		84	60-135			
Naphthalene	22.7	1.0	N/A	ug/l	25.0		91	50-145			
n-Propylbenzene	23.5	1.0	N/A	ug/l	25.0		94	75-130			
Styrene	24.3	1.0	N/A	ug/l	25.0		97	80-135			
1,1,2-Tetrachloroethane	25.1	1.0	N/A	ug/l	25.0		100	70-145			

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Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10017 Extracted: 01/10/03											
LCS Analyzed: 01/10/03 (3A10017-BS1)											
1,1,2,2-Tetrachloroethane	22.0	1.0	N/A	ug/l	25.0		88	60-135			
Tetrachloroethene	24.4	1.0	N/A	ug/l	25.0		98	80-125			
Toluene	22.5	1.0	N/A	ug/l	25.0		90	70-120			
1,2,3-Trichlorobenzene	23.3	1.0	N/A	ug/l	25.0		93	65-135			
1,2,4-Trichlorobenzene	23.9	1.0	N/A	ug/l	25.0		96	70-140			
1,1,1-Trichloroethane	26.3	1.0	N/A	ug/l	25.0		105	70-140			
1,1,2-Trichloroethane	22.6	1.0	N/A	ug/l	25.0		90	70-125			
Trichloroethene	23.6	1.0	N/A	ug/l	25.0		94	75-120			
Trichlorofluoromethane	22.4	1.0	N/A	ug/l	25.0		90	65-145			
1,2,3-Trichloropropane	22.6	1.0	N/A	ug/l	25.0		90	60-130			
1,2,4-Trimethylbenzene	22.0	1.0	N/A	ug/l	25.0		88	80-125			
1,3,5-Trimethylbenzene	23.4	1.0	N/A	ug/l	25.0		94	80-125			
Vinyl chloride	24.2	0.50	N/A	ug/l	25.0		97	50-130			
o-Xylene	23.2	1.0	N/A	ug/l	25.0		93	70-125			
m,p-Xylenes	46.0	1.0	N/A	ug/l	50.0		92	70-120			
Surrogate: Dibromofluoromethane	*27.7*			*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*27.5*			*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*28.2*			*ug/l*	*25.0*		*113*	*80-120*			
Matrix Spike Analyzed: 01/10/03 (3A10017-MS1)						**Source: IMA0282-01**					
Benzene	23.1	0.50	N/A	ug/l	25.0	0.67	90	60-125			
Bromodichloromethane	25.1	1.0	N/A	ug/l	25.0	ND	100	70-140			
Bromoform	22.4	1.0	N/A	ug/l	25.0	ND	90	50-140			
Chlorobenzene	23.6	1.0	N/A	ug/l	25.0	ND	94	75-125			
Chloroform	24.8	1.0	N/A	ug/l	25.0	ND	99	70-130			
Dibromochloromethane	24.8	1.0	N/A	ug/l	25.0	ND	99	65-145			
1,4-Dichlorobenzene	24.1	1.0	N/A	ug/l	25.0	ND	96	70-120			
1,1-Dichloroethane	24.0	1.0	N/A	ug/l	25.0	ND	96	65-135			
1,2-Dichloroethane	26.2	0.50	N/A	ug/l	25.0	ND	105	60-150			
1,1-Dichloroethene	24.4	1.0	N/A	ug/l	25.0	ND	98	60-135			
Ethylbenzene	24.6	1.0	N/A	ug/l	25.0	ND	98	65-125			
Naphthalene	23.9	1.0	N/A	ug/l	25.0	0.37	94	55-145			
Tetrachloroethene	27.5	1.0	N/A	ug/l	25.0	2.8	99	70-130			
Toluene	23.1	1.0	N/A	ug/l	25.0	ND	92	65-125			
Trichloroethene	26.1	1.0	N/A	ug/l	25.0	2.2	96	70-125			
Vinyl chloride	24.9	0.50	N/A	ug/l	25.0	ND	100	40-135			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A10017 Extracted: 01/10/03											
Matrix Spike Analyzed: 01/10/03 (3A10017-MS1)						**Source: IMA0282-01**					
o-Xylene	23.9	1.0	N/A	ug/l	25.0	ND	96	65-125			
m,p-Xylenes	47.9	1.0	N/A	ug/l	50.0	ND	96	65-120			
Surrogate: Dibromofluoromethane	*27.0*			*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*27.6*			*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*28.0*			*ug/l*	*25.0*		*112*	*80-120*			
Matrix Spike Dup Analyzed: 01/10/03 (3A10017-MSD1)						**Source: IMA0282-01**					
Benzene	23.4	0.50	N/A	ug/l	25.0	0.67	91	60-125	1	20	
Bromodichloromethane	24.4	1.0	N/A	ug/l	25.0	ND	98	70-140	3	20	
Bromoform	20.5	1.0	N/A	ug/l	25.0	ND	82	50-140	9	30	
Chlorobenzene	24.2	1.0	N/A	ug/l	25.0	ND	97	75-125	3	20	
Chloroform	24.9	1.0	N/A	ug/l	25.0	ND	100	70-130	0	20	
Dibromochloromethane	23.6	1.0	N/A	ug/l	25.0	ND	94	65-145	5	25	
1,4-Dichlorobenzene	24.5	1.0	N/A	ug/l	25.0	ND	98	70-120	2	20	
1,1-Dichloroethane	24.0	1.0	N/A	ug/l	25.0	ND	96	65-135	0	20	
1,2-Dichloroethane	25.0	0.50	N/A	ug/l	25.0	ND	100	60-150	5	25	
1,1-Dichloroethene	24.7	1.0	N/A	ug/l	25.0	ND	99	60-135	1	20	
Ethylbenzene	25.4	1.0	N/A	ug/l	25.0	ND	102	65-125	3	20	
Naphthalene	20.9	1.0	N/A	ug/l	25.0	0.37	82	55-145	13	30	
Tetrachloroethene	29.0	1.0	N/A	ug/l	25.0	2.8	105	70-130	5	20	
Toluene	23.5	1.0	N/A	ug/l	25.0	ND	94	65-125	2	20	
Trichloroethene	26.8	1.0	N/A	ug/l	25.0	2.2	98	70-125	3	20	
Vinyl chloride	26.7	0.50	N/A	ug/l	25.0	ND	107	40-135	7	20	
o-Xylene	24.8	1.0	N/A	ug/l	25.0	ND	99	65-125	4	20	
m,p-Xylenes	48.6	1.0	N/A	ug/l	50.0	ND	97	65-120	1	20	
Surrogate: Dibromofluoromethane	*26.5*			*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*27.4*			*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.8*			*ug/l*	*25.0*		*111*	*80-120*			

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Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A09031 Extracted: 01/09/03											
Blank Analyzed: 01/09/03 (3A09031-BLK1)											
Cadmium	ND	0.0050	N/A	mg/l							
Chromium	ND	0.0050	0.00055	mg/l							
Copper	ND	0.010	N/A	mg/l							
LCS Analyzed: 01/09/03 (3A09031-BS1)											
Cadmium	1.03	0.0050	N/A	mg/l	1.00		103	80-120			
Chromium	1.03	0.0050	0.00055	mg/l	1.00		103	80-120			
Copper	0.991	0.010	N/A	mg/l	1.00		99	80-120			
Matrix Spike Analyzed: 01/09/03 (3A09031-MS1)						**Source: IMA0282-01**					
Cadmium	1.02	0.0050	N/A	mg/l	1.00	ND	102	75-125			
Chromium	1.04	0.0050	0.00055	mg/l	1.00	0.0015	104	75-125			
Copper	1.06	0.010	N/A	mg/l	1.00	0.022	104	75-125			
Matrix Spike Dup Analyzed: 01/09/03 (3A09031-MSD1)						**Source: IMA0282-01**					
Cadmium	1.02	0.0050	N/A	mg/l	1.00	ND	102	75-125	0	20	
Chromium	1.04	0.0050	0.00055	mg/l	1.00	0.0015	104	75-125	0	20	
Copper	1.06	0.010	N/A	mg/l	1.00	0.022	104	75-125	0	20	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0282

Sampled: 01/08/03
Received: 01/08/03

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A08054 Extracted: 01/08/03											
Duplicate Analyzed: 01/08/03 (3A08054-DUP1)						**Source: IMA0234-03**					
pH	5.85	NA	N/A	pH Units		5.85			0	5	
Batch: 3A08055 Extracted: 01/08/03											
Blank Analyzed: 01/08/03 (3A08055-BLK1)											
Chromium VI	ND	0.0010	N/A	mg/l							
LCS Analyzed: 01/08/03 (3A08055-BS1)											
Chromium VI	0.0489	0.0010	N/A	mg/l	0.0500		98	90-110			
Matrix Spike Analyzed: 01/08/03 (3A08055-MS1)						**Source: IMA0282-01**					
Chromium VI	0.0480	0.0010	N/A	mg/l	0.0500	ND	96	80-115			
Matrix Spike Dup Analyzed: 01/08/03 (3A08055-MSD1)						**Source: IMA0282-01**					
Chromium VI	0.0481	0.0010	N/A	mg/l	0.0500	ND	96	80-115	0	15	

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Camp, Dresser & McKee 18581 Teller Avenue, #200 Irvine, CA 92612 Attention: Sharon Wallin	Project ID: Phibro-Tech Report Number: IMA0282	Sampled: 01/08/03 Received: 01/08/03

DATA QUALIFIERS AND DEFINITIONS

J Estimated value. Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). The user of this data should be aware that this data is of unknown quality.

M-HA Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

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106925

CHAIN OF CUSTODY FORM

Quote No.: _____ Page: 1 of 1

Client Name: CDM
Address:
City: IRVINE State: Zip:
Tel: 949 752 5452 Fax.: 949 752 1307

P.O./Project Number:
Project Name: PHIBRO-TECH
Project Manager: JOHN BENNETT / SHARON WATTS
Sampler(s) (signature):

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	8015 (Gas) ☐ 8020 (BTEX) ☐ MTBE (8020) ☐ 8015/8020/MTBE ☐	8015 (Diesel) ☐ fuel simulated ☐ fingerprint distillation ☐	Oil & Grease - EPA 413.2	TRPH - EPA 418.1	EPA 8010 ☐ EPA 8010/8020 ☐	EPA 8270	Title 22 Metals EPA 6010/7000 ☐ +Cr VI ☐	EPA 8260 ☒ + Oxygenates ☐ + MTBE ☐ MTBE only ☐	Lead	pH	6010 (Cr-Cu-Cd)	7199 (Cr(VI))					
PTI-MW01D-056	W	1/8/02	1035	HNO3	6	6								X		X	X	X					
PTI-MW01S-056	↓	↓	1130	↓	↓	6								X		X	X	X					
PTI-MW03-056	↓	↓	1335	↓	↓	6								X		X	X	X					
PTI-MW15D-056	↓	↓	1500	↓	↓	6								X		X	X	X					
PTI-MW15S-056	↓	↓	1555	↓	↓	6								X		X	X	X					
PTI-MB02-056	↓	↓	1350	↓	↓	6								X		X	X	X					
PTI-MW06D-056	↓	↓	1505	↓	↓									X		X	X	X					

Relinquished by:	Date/Time: 1826 1/8/03	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time: 1-8-03 1826

Remarks:

Turnaround Time: (check one):
Same Day ____ 72 hours ____
24 Hours ____ 5 Days ____
48 Hours ____ Standard X

Sample Integrity:
Intact: X On Ice 7°C

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of the invoice. Sample(s) will be disposed of after 30 days.

COC-GT

Del Mar Analytical

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LABORATORY REPORT

Prepared For: Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project: Phibro-Tech

Sampled: 01/09/03
Received: 01/09/03
Issued: 01/21/03

CA ELAP Certificate #1197

AZ DHS License #AZ0428

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CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 3°C, and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
IMA0356-01	PTI-MW06B-056	Water
IMA0356-02	PTI-MW04A-056	Water
IMA0356-03	PTI-EB03-056	Water
IMA0356-04	PTI-TB02-056	Water
IMA0356-05	PTI-MW16-056	Water
IMA0356-06	PTI-DI-056	Water
IMA0356-07	PTI-MW09-056	Water
IMA0356-08	PTI-MW37-056	Water

Del Mar Analytical, Irvine
Patty Mata
Project Manager

Del Mar Analytical

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-01 (PTI-MW06B-056 - Water)								
Benzene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Bromobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromodichloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromoform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
n-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
sec-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
tert-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Carbon tetrachloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Chlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
4-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,4-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dichlorodifluoromethane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethane	EPA 8260B	3A11001	1.0	**1.5**	1	1/11/2003	1/11/2003	
1,2-Dichloroethane	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethene	EPA 8260B	3A11001	1.0	**2.0**	1	1/11/2003	1/11/2003	
cis-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
trans-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloropropene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
cis-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
trans-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Ethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Hexachlorobutadiene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Isopropylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
p-Isopropyltoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Methylene chloride	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
Naphthalene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-01 (PTI-MW06B-056 - Water)								
n-Propylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Styrene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Tetrachloroethene	EPA 8260B	3A11001	1.0	**5.9**	1	1/11/2003	1/11/2003	
Toluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Trichloroethene	EPA 8260B	3A11001	1.0	**22**	1	1/11/2003	1/11/2003	
Trichlorofluoromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Vinyl chloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
o-Xylene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
m,p-Xylenes	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-02 (PTI-MW04A-056 - Water)								
Benzene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Bromobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromodichloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromoform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
n-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
sec-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
tert-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Carbon tetrachloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Chlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroform	EPA 8260B	3A11001	1.0	**1.8**	1	1/11/2003	1/11/2003	
Chloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
4-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,4-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dichlorodifluoromethane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethane	EPA 8260B	3A11001	1.0	**40**	1	1/11/2003	1/11/2003	
1,2-Dichloroethane	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethene	EPA 8260B	3A11001	1.0	**11**	1	1/11/2003	1/11/2003	
cis-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	**2.8**	1	1/11/2003	1/11/2003	
trans-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloropropene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
cis-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
trans-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Ethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Hexachlorobutadiene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Isopropylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
p-Isopropyltoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Methylene chloride	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
Naphthalene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-02 (PTI-MW04A-056 - Water)								
n-Propylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Styrene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Tetrachloroethene	EPA 8260B	3A11001	1.0	**2.6**	1	1/11/2003	1/11/2003	
Toluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Trichloroethene	EPA 8260B	3A11001	1.0	**42**	1	1/11/2003	1/11/2003	
Trichlorofluoromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Vinyl chloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
o-Xylene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
m,p-Xylenes	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-03 (PTI-EB03-056 - Water)								
Benzene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Bromobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromodichloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromoform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
n-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
sec-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
tert-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Carbon tetrachloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Chlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
4-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,4-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dichlorodifluoromethane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichloroethane	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
cis-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
trans-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloropropene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
cis-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
trans-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Ethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Hexachlorobutadiene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Isopropylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
p-Isopropyltoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Methylene chloride	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
Naphthalene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-03 (PTI-EB03-056 - Water)								
n-Propylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Styrene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Tetrachloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Toluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Trichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Trichlorofluoromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Vinyl chloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
o-Xylene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
m,p-Xylenes	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-04 (PTI-TB02-056 - Water)								
Benzene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Bromobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromodichloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromoform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
n-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
sec-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
tert-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Carbon tetrachloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Chlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
4-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,4-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dichlorodifluoromethane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichloroethane	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
cis-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
trans-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloropropene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
cis-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
trans-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Ethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Hexachlorobutadiene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Isopropylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
p-Isopropyltoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Methylene chloride	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
Naphthalene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-04 (PTI-TB02-056 - Water)								
n-Propylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Styrene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Tetrachloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Toluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Trichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Trichlorofluoromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Vinyl chloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
o-Xylene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
m,p-Xylenes	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				

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Sampled: 01/09/03
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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-05 (PTI-MW16-056 - Water)								
Benzene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Bromobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromodichloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromoform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
n-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
sec-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
tert-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Carbon tetrachloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Chlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
4-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,4-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dichlorodifluoromethane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethane	EPA 8260B	3A11001	1.0	**75**	1	1/11/2003	1/11/2003	
1,2-Dichloroethane	EPA 8260B	3A11001	0.50	**8.1**	1	1/11/2003	1/11/2003	
1,1-Dichloroethene	EPA 8260B	3A11001	1.0	**11**	1	1/11/2003	1/11/2003	
cis-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	**14**	1	1/11/2003	1/11/2003	
trans-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	**2.7**	1	1/11/2003	1/11/2003	
1,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloropropene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
cis-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
trans-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Ethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Hexachlorobutadiene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Isopropylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
p-Isopropyltoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Methylene chloride	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
Naphthalene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-05 (PTI-MW16-056 - Water)								
n-Propylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Styrene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Tetrachloroethene	EPA 8260B	3A11001	1.0	**1.8**	1	1/11/2003	1/11/2003	
Toluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Trichloroethene	EPA 8260B	3A11001	1.0	**20**	1	1/11/2003	1/11/2003	
Trichlorofluoromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Vinyl chloride	EPA 8260B	3A11001	0.50	**0.59**	1	1/11/2003	1/11/2003	
o-Xylene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
m,p-Xylenes	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-06 (PTI-DI-056 - Water)								
Benzene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Bromobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromochloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromodichloromethane	EPA 8260B	3A11001	1.0	**2.0**	1	1/11/2003	1/11/2003	
Bromoform	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Bromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
n-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
sec-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
tert-Butylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Carbon tetrachloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Chlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Chloroform	EPA 8260B	3A11001	1.0	**6.4**	1	1/11/2003	1/11/2003	
Chloromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
4-Chlorotoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromochloromethane	EPA 8260B	3A11001	1.0	**1.4**	1	1/11/2003	1/11/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dibromomethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,4-Dichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Dichlorodifluoromethane	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichloroethane	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
1,1-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
cis-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
trans-1,2-Dichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
2,2-Dichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1-Dichloropropene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
cis-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
trans-1,3-Dichloropropene	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
Ethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Hexachlorobutadiene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Isopropylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
p-Isopropyltoluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Methylene chloride	EPA 8260B	3A11001	5.0	ND	1	1/11/2003	1/11/2003	
Naphthalene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-06 (PTI-DI-056 - Water)								
n-Propylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Styrene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Tetrachloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Toluene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,1-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,1,2-Trichloroethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Trichloroethene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Trichlorofluoromethane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,3-Trichloropropane	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Vinyl chloride	EPA 8260B	3A11001	0.50	ND	1	1/11/2003	1/11/2003	
o-Xylene	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
m,p-Xylenes	EPA 8260B	3A11001	1.0	ND	1	1/11/2003	1/11/2003	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				

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Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-07 (PTI-MW09-056 - Water)								
Benzene	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
Bromobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Bromochloromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Bromodichloromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Bromoform	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Bromomethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
n-Butylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
sec-Butylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
tert-Butylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Carbon tetrachloride	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
Chlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Chloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Chloroform	EPA 8260B	3A12004	5.0	**150**	5	1/12/2003	1/12/2003	
Chloromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
2-Chlorotoluene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
4-Chlorotoluene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Dibromochloromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A12004	25	ND	5	1/12/2003	1/12/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Dibromomethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2-Dichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,3-Dichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,4-Dichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Dichlorodifluoromethane	EPA 8260B	3A12004	25	ND	5	1/12/2003	1/12/2003	
1,1-Dichloroethane	EPA 8260B	3A12004	5.0	**290**	5	1/12/2003	1/12/2003	
1,2-Dichloroethane	EPA 8260B	3A12004	2.5	**100**	5	1/12/2003	1/12/2003	
1,1-Dichloroethene	EPA 8260B	3A12004	5.0	**100**	5	1/12/2003	1/12/2003	
cis-1,2-Dichloroethene	EPA 8260B	3A12004	5.0	**12**	5	1/12/2003	1/12/2003	
trans-1,2-Dichloroethene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2-Dichloropropane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,3-Dichloropropane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
2,2-Dichloropropane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1-Dichloropropene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
cis-1,3-Dichloropropene	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
trans-1,3-Dichloropropene	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
Ethylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Hexachlorobutadiene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Isopropylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
p-Isopropyltoluene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Methylene chloride	EPA 8260B	3A12004	25	**160**	5	1/12/2003	1/12/2003	
Naphthalene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-07 (PTI-MW09-056 - Water)								
n-Propylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Styrene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Tetrachloroethene	EPA 8260B	3A12004	5.0	**9.6**	5	1/12/2003	1/12/2003	
Toluene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1,1-Trichloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1,2-Trichloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Trichloroethene	EPA 8260B	3A12004	5.0	**390**	5	1/12/2003	1/12/2003	
Trichlorofluoromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2,3-Trichloropropane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Vinyl chloride	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
o-Xylene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
m,p-Xylenes	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*90 %*				

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-08 (PTI-MW37-056 - Water)								
Benzene	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
Bromobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Bromochloromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Bromodichloromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Bromoform	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Bromomethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
n-Butylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
sec-Butylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
tert-Butylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Carbon tetrachloride	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
Chlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Chloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Chloroform	EPA 8260B	3A12004	5.0	**150**	5	1/12/2003	1/12/2003	
Chloromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
2-Chlorotoluene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
4-Chlorotoluene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Dibromochloromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3A12004	25	ND	5	1/12/2003	1/12/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Dibromomethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2-Dichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,3-Dichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,4-Dichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Dichlorodifluoromethane	EPA 8260B	3A12004	25	ND	5	1/12/2003	1/12/2003	
1,1-Dichloroethane	EPA 8260B	3A12004	5.0	**290**	5	1/12/2003	1/12/2003	
1,2-Dichloroethane	EPA 8260B	3A12004	2.5	**110**	5	1/12/2003	1/12/2003	
1,1-Dichloroethene	EPA 8260B	3A12004	5.0	**100**	5	1/12/2003	1/12/2003	
cis-1,2-Dichloroethene	EPA 8260B	3A12004	5.0	**11**	5	1/12/2003	1/12/2003	
trans-1,2-Dichloroethene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2-Dichloropropane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,3-Dichloropropane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
2,2-Dichloropropane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1-Dichloropropene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
cis-1,3-Dichloropropene	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
trans-1,3-Dichloropropene	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
Ethylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Hexachlorobutadiene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Isopropylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
p-Isopropyltoluene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Methylene chloride	EPA 8260B	3A12004	25	**170**	5	1/12/2003	1/12/2003	
Naphthalene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			ug/l	ug/l				
Sample ID: IMA0356-08 (PTI-MW37-056 - Water)								
n-Propylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Styrene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Tetrachloroethene	EPA 8260B	3A12004	5.0	**9.0**	5	1/12/2003	1/12/2003	
Toluene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1,1-Trichloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,1,2-Trichloroethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Trichloroethene	EPA 8260B	3A12004	5.0	**390**	5	1/12/2003	1/12/2003	
Trichlorofluoromethane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2,3-Trichloropropane	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Vinyl chloride	EPA 8260B	3A12004	2.5	ND	5	1/12/2003	1/12/2003	
o-Xylene	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
m,p-Xylenes	EPA 8260B	3A12004	5.0	ND	5	1/12/2003	1/12/2003	
Surrogate: Dibromofluoromethane (80-120%)				*100 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*97 %*				

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l				
Sample ID: IMA0356-01 (PTI-MW06B-056 - Water)								
Cadmium	EPA 6010B	3A13036	0.0050	ND	1	1/13/2003	1/14/2003	
Chromium	EPA 6010B	3A13036	0.0050	**0.0097**	1	1/13/2003	1/14/2003	
Copper	EPA 6010B	3A13036	0.010	ND	1	1/13/2003	1/14/2003	
Sample ID: IMA0356-02 (PTI-MW04A-056 - Water)								
Cadmium	EPA 6010B	3A13036	0.0050	ND	1	1/13/2003	1/14/2003	
Chromium	EPA 6010B	3A13036	0.0050	**0.0089**	1	1/13/2003	1/14/2003	
Copper	EPA 6010B	3A13036	0.010	**0.023**	1	1/13/2003	1/14/2003	
Sample ID: IMA0356-03 (PTI-EB03-056 - Water)								
Cadmium	EPA 6010B	3A13036	0.0050	ND	1	1/13/2003	1/14/2003	
Chromium	EPA 6010B	3A13036	0.0050	ND	1	1/13/2003	1/14/2003	
Copper	EPA 6010B	3A13036	0.010	ND	1	1/13/2003	1/14/2003	
Sample ID: IMA0356-05 (PTI-MW16-056 - Water)								
Cadmium	EPA 6010B	3A13036	0.0050	ND	1	1/13/2003	1/14/2003	
Chromium	EPA 6010B	3A13036	0.0050	**0.0057**	1	1/13/2003	1/14/2003	
Copper	EPA 6010B	3A13036	0.010	**0.010**	1	1/13/2003	1/14/2003	
Sample ID: IMA0356-06 (PTI-DI-056 - Water)								
Cadmium	EPA 6010B	3A13036	0.0050	ND	1	1/13/2003	1/14/2003	
Chromium	EPA 6010B	3A13036	0.0050	ND	1	1/13/2003	1/14/2003	
Copper	EPA 6010B	3A13036	0.010	ND	1	1/13/2003	1/14/2003	

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l				
Sample ID: IMA0356-07 (PTI-MW09-056 - Water)								
Cadmium	EPA 6010B	3A13036	0.0050	ND	1	1/13/2003	1/14/2003	
Chromium	EPA 6010B	3A13036	0.0050	**9.6**	1	1/13/2003	1/14/2003	
Copper	EPA 6010B	3A13036	0.010	ND	1	1/13/2003	1/14/2003	
Sample ID: IMA0356-08 (PTI-MW37-056 - Water)								
Cadmium	EPA 6010B	3A13036	0.0050	ND	1	1/13/2003	1/14/2003	
Chromium	EPA 6010B	3A13036	0.0050	**9.7**	1	1/13/2003	1/14/2003	
Copper	EPA 6010B	3A13036	0.010	ND	1	1/13/2003	1/14/2003	

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l				
Sample ID: IMA0356-01 (PTI-MW06B-056 - Water)								
Chromium VI	EPA 7199	3A09056	0.0010	**0.0068**	1	1/9/2003	1/9/2003	
			pH Units	pH Units				
Sample ID: IMA0356-01 (PTI-MW06B-056 - Water)								
pH	EPA 150.1	3A09043	NA	**7.18**	1	1/9/2003	1/9/2003	
			mg/l	mg/l				
Sample ID: IMA0356-02 (PTI-MW04A-056 - Water)								
Chromium VI	EPA 7199	3A09056	0.0010	**0.0058**	1	1/9/2003	1/9/2003	
			pH Units	pH Units				
Sample ID: IMA0356-02 (PTI-MW04A-056 - Water)								
pH	EPA 150.1	3A09043	NA	**7.29**	1	1/9/2003	1/9/2003	
			mg/l	mg/l				
Sample ID: IMA0356-03 (PTI-EB03-056 - Water)								
Chromium VI	EPA 7199	3A09056	0.0010	ND	1	1/9/2003	1/9/2003	
			pH Units	pH Units				
Sample ID: IMA0356-03 (PTI-EB03-056 - Water)								
pH	EPA 150.1	3A09043	NA	**5.75**	1	1/9/2003	1/9/2003	

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l				
Sample ID: IMA0356-05 (PTI-MW16-056 - Water)								
Chromium VI	EPA 7199	3A09056	0.0010	**0.0043**	1	1/9/2003	1/9/2003	
			pH Units	pH Units				
Sample ID: IMA0356-05 (PTI-MW16-056 - Water)								
pH	EPA 150.1	3A09043	NA	**6.84**	1	1/9/2003	1/9/2003	
			mg/l	mg/l				
Sample ID: IMA0356-06 (PTI-DI-056 - Water)								
Chromium VI	EPA 7199	3A09056	0.0010	ND	1	1/9/2003	1/9/2003	
			pH Units	pH Units				
Sample ID: IMA0356-06 (PTI-DI-056 - Water)								
pH	EPA 150.1	3A09043	NA	**5.07**	1	1/9/2003	1/9/2003	
			mg/l	mg/l				
Sample ID: IMA0356-07 (PTI-MW09-056 - Water)								
Chromium VI	EPA 7199	3A09056	0.20	**9.5**	200	1/9/2003	1/9/2003	
			pH Units	pH Units				
Sample ID: IMA0356-07 (PTI-MW09-056 - Water)								
pH	EPA 150.1	3A09043	NA	**6.63**	1	1/9/2003	1/9/2003	

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
			mg/l	mg/l				
Sample ID: IMA0356-08 (PTI-MW37-056 - Water)								
Chromium VI	EPA 7199	3A09056	0.20	**9.5**	200	1/9/2003	1/9/2003	
			pH Units	pH Units				
Sample ID: IMA0356-08 (PTI-MW37-056 - Water)								
pH	EPA 150.1	3A09043	NA	**6.65**	1	1/9/2003	1/9/2003	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A11001 Extracted: 01/11/03										
Blank Analyzed: 01/11/03 (3A11001-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	1.0	ug/l							

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A11001 Extracted: 01/11/03										
Blank Analyzed: 01/11/03 (3A11001-BLK1)										
Hexachlorobutadiene	ND	1.0	ug/l							
opropylbenzene	ND	1.0	ug/l							
Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
aphthalene	ND	1.0	ug/l							
Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,2,2-Tetrachloroethane	ND	1.0	ug/l							
etrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
2,3-Trichlorobenzene	ND	1.0	ug/l							
2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,2-Trichloroethane	ND	1.0	ug/l							
richloroethene	ND	1.0	ug/l							
richlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
2,4-Trimethylbenzene	ND	1.0	ug/l							
3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylene	ND	1.0	ug/l							
,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
urrogate: 4-Bromofluorobenzene	*24.3*		*ug/l*	*25.0*		*97*	*80-120*			
LCS Analyzed: 01/11/03 (3A11001-BS1)										
enzene	23.4	0.50	ug/l	25.0		94	70-120			
romobenzene	23.7	1.0	ug/l	25.0		95	80-120			
Bromochloromethane	25.8	1.0	ug/l	25.0		103	65-135			
Bromodichloromethane	23.5	1.0	ug/l	25.0		94	70-140			
romoform	25.4	1.0	ug/l	25.0		102	55-135			
romomethane	21.8	1.0	ug/l	25.0		87	65-140			
n-Butylbenzene	22.8	1.0	ug/l	25.0		91	75-130			
c-Butylbenzene	22.6	1.0	ug/l	25.0		90	75-125			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A11001 Extracted: 01/11/03										
LCS Analyzed: 01/11/03 (3A11001-BS1)										
tert-Butylbenzene	22.1	1.0	ug/l	25.0		88	75-125			
Carbon tetrachloride	23.4	0.50	ug/l	25.0		94	65-155			
Chlorobenzene	24.5	1.0	ug/l	25.0		98	80-125			
Chloroethane	21.5	1.0	ug/l	25.0		86	60-145			
Chloroform	23.9	1.0	ug/l	25.0		96	70-130			
Chloromethane	15.6	1.0	ug/l	25.0		62	40-145			
2-Chlorotoluene	22.7	1.0	ug/l	25.0		91	75-125			
4-Chlorotoluene	23.2	1.0	ug/l	25.0		93	75-125			
Dibromochloromethane	24.8	1.0	ug/l	25.0		99	65-145			
1,2-Dibromo-3-chloropropane	21.8	5.0	ug/l	25.0		87	50-130			
1,2-Dibromoethane (EDB)	26.1	1.0	ug/l	25.0		104	75-125			
Dibromomethane	25.2	1.0	ug/l	25.0		101	70-130			
1,2-Dichlorobenzene	24.2	1.0	ug/l	25.0		97	80-120			
1,3-Dichlorobenzene	23.7	1.0	ug/l	25.0		95	75-120			
1,4-Dichlorobenzene	23.2	1.0	ug/l	25.0		93	75-120			
Dichlorodifluoromethane	14.9	5.0	ug/l	25.0		60	10-160			
1,1-Dichloroethane	23.3	1.0	ug/l	25.0		93	70-135			
1,2-Dichloroethane	24.4	0.50	ug/l	25.0		98	60-150			
1,1-Dichloroethene	22.2	1.0	ug/l	25.0		89	70-130			
cis-1,2-Dichloroethene	22.0	1.0	ug/l	25.0		88	70-125			
trans-1,2-Dichloroethene	22.3	1.0	ug/l	25.0		89	70-130			
1,2-Dichloropropane	22.7	1.0	ug/l	25.0		91	65-120			
1,3-Dichloropropane	24.7	1.0	ug/l	25.0		99	70-130			
2,2-Dichloropropane	22.2	1.0	ug/l	25.0		89	70-150			
1,1-Dichloropropene	24.1	1.0	ug/l	25.0		96	75-130			
cis-1,3-Dichloropropene	23.9	0.50	ug/l	25.0		96	75-130			
trans-1,3-Dichloropropene	23.7	0.50	ug/l	25.0		95	70-135			
Ethylbenzene	23.3	1.0	ug/l	25.0		93	70-125			
Hexachlorobutadiene	22.5	1.0	ug/l	25.0		90	70-140			
Isopropylbenzene	22.4	1.0	ug/l	25.0		90	70-125			
p-Isopropyltoluene	21.8	1.0	ug/l	25.0		87	75-125			
Methylene chloride	21.4	5.0	ug/l	25.0		86	60-135			
Naphthalene	26.4	1.0	ug/l	25.0		106	50-145			
n-Propylbenzene	23.3	1.0	ug/l	25.0		93	75-130			
Styrene	24.3	1.0	ug/l	25.0		97	80-135			
1,1,1,2-Tetrachloroethane	24.1	1.0	ug/l	25.0		96	70-145			

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A11001 Extracted: 01/11/03										
LCS Analyzed: 01/11/03 (3A11001-BS1)										
1,1,2,2-Tetrachloroethane	30.1	1.0	ug/l	25.0		120	60-135			
etrachloroethene	25.8	1.0	ug/l	25.0		103	80-125			
oluene	23.2	1.0	ug/l	25.0		93	70-120			
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0		101	65-135			
2,4-Trichlorobenzene	25.1	1.0	ug/l	25.0		100	70-140			
1,1-Trichloroethane	23.7	1.0	ug/l	25.0		95	70-140			
1,1,2-Trichloroethane	24.6	1.0	ug/l	25.0		98	70-125			
Trichloroethene	24.5	1.0	ug/l	25.0		98	75-120			
ichlorofluoromethane	23.5	1.0	ug/l	25.0		94	65-145			
2,3-Trichloropropane	24.3	1.0	ug/l	25.0		97	60-130			
1,2,4-Trimethylbenzene	22.2	1.0	ug/l	25.0		89	80-125			
3,5-Trimethylbenzene	22.2	1.0	ug/l	25.0		89	80-125			
nyl chloride	19.3	0.50	ug/l	25.0		77	50-130			
o-Xylene	22.9	1.0	ug/l	25.0		92	70-125			
m,p-Xylenes	46.3	1.0	ug/l	50.0		93	70-120			
rrogate: Dibromofluoromethane	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
atrix Spike Analyzed: 01/11/03 (3A11001-MS1)					**Source: IMA0366-01**					
Benzene	24.1	0.50	ug/l	25.0	ND	96	60-125			
Bromodichloromethane	23.9	1.0	ug/l	25.0	ND	96	70-140			
omoform	24.9	1.0	ug/l	25.0	ND	100	50-140			
hlorobenzene	24.9	1.0	ug/l	25.0	ND	100	75-125			
Chloroform	24.5	1.0	ug/l	25.0	ND	98	70-130			
bromochloromethane	24.5	1.0	ug/l	25.0	ND	98	65-145			
4-Dichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	70-120			
1,1-Dichloroethane	23.8	1.0	ug/l	25.0	ND	95	65-135			
2-Dichloroethane	29.0	0.50	ug/l	25.0	4.2	99	60-150			
1-Dichloroethene	23.0	1.0	ug/l	25.0	ND	92	60-135			
Ethylbenzene	23.6	1.0	ug/l	25.0	ND	94	65-125			
Naphthalene	25.2	1.0	ug/l	25.0	ND	101	55-145			
etrachloroethene	26.2	1.0	ug/l	25.0	ND	105	70-130			
oluene	23.8	1.0	ug/l	25.0	ND	95	65-125			
Trichloroethene	25.0	1.0	ug/l	25.0	ND	100	70-125			
nyl chloride	20.5	0.50	ug/l	25.0	ND	82	40-135			

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Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A11001 Extracted: 01/11/03										
Matrix Spike Analyzed: 01/11/03 (3A11001-MS1)					**Source: IMA0366-01**					
o-Xylene	23.3	1.0	ug/l	25.0	ND	93	65-125			
m,p-Xylenes	47.4	1.0	ug/l	50.0	ND	95	65-120			
Surrogate: Dibromofluoromethane	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 01/11/03 (3A11001-MSD1)					**Source: IMA0366-01**					
Benzene	24.3	0.50	ug/l	25.0	ND	97	60-125	1	20	
Bromodichloromethane	24.3	1.0	ug/l	25.0	ND	97	70-140	2	20	
Bromoform	26.0	1.0	ug/l	25.0	ND	104	50-140	4	30	
Chlorobenzene	25.4	1.0	ug/l	25.0	ND	102	75-125	2	20	
Chloroform	24.3	1.0	ug/l	25.0	ND	97	70-130	1	20	
Dibromochloromethane	25.4	1.0	ug/l	25.0	ND	102	65-145	4	25	
1,4-Dichlorobenzene	24.1	1.0	ug/l	25.0	ND	96	70-120	1	20	
1,1-Dichloroethane	23.8	1.0	ug/l	25.0	ND	95	65-135	0	20	
1,2-Dichloroethane	29.6	0.50	ug/l	25.0	4.2	102	60-150	2	25	
1,1-Dichloroethene	22.6	1.0	ug/l	25.0	ND	90	60-135	2	20	
Ethylbenzene	24.0	1.0	ug/l	25.0	ND	96	65-125	2	20	
Naphthalene	26.5	1.0	ug/l	25.0	ND	106	55-145	5	30	
Tetrachloroethene	26.7	1.0	ug/l	25.0	ND	107	70-130	2	20	
Toluene	24.0	1.0	ug/l	25.0	ND	96	65-125	1	20	
Trichloroethene	25.2	1.0	ug/l	25.0	ND	101	70-125	1	20	
Vinyl chloride	20.1	0.50	ug/l	25.0	ND	80	40-135	2	20	
o-Xylene	23.9	1.0	ug/l	25.0	ND	96	65-125	3	20	
m,p-Xylenes	48.0	1.0	ug/l	50.0	ND	96	65-120	1	20	
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A12004 Extracted: 01/12/03										
Blank Analyzed: 01/12/03 (3A12004-BLK1)										
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	ug/l							
Bromodichloromethane	ND	1.0	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
n-Butylbenzene	ND	1.0	ug/l							
sec-Butylbenzene	ND	1.0	ug/l							
tert-Butylbenzene	ND	1.0	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	1.0	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	1.0	ug/l							
4-Chlorotoluene	ND	1.0	ug/l							
Dibromochloromethane	ND	1.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	1.0	ug/l							
Dibromomethane	ND	1.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	1.0	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	1.0	ug/l							
cis-1,2-Dichloroethene	ND	1.0	ug/l							
trans-1,2-Dichloroethene	ND	1.0	ug/l							
1,2-Dichloropropane	ND	1.0	ug/l							
1,3-Dichloropropane	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							
1,1-Dichloropropene	ND	1.0	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	1.0	ug/l							

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A12004 Extracted: 01/12/03										
Blank Analyzed: 01/12/03 (3A12004-BLK1)										
Hexachlorobutadiene	ND	1.0	ug/l							
Isopropylbenzene	ND	1.0	ug/l							
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
Naphthalene	ND	1.0	ug/l							
n-Propylbenzene	ND	1.0	ug/l							
Styrene	ND	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	1.0	ug/l							
Tetrachloroethene	ND	1.0	ug/l							
Toluene	ND	1.0	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	1.0	ug/l							
1,1,2-Trichloroethane	ND	1.0	ug/l							
Trichloroethene	ND	1.0	ug/l							
Trichlorofluoromethane	ND	1.0	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	1.0	ug/l							
1,3,5-Trimethylbenzene	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*23.8*		*ug/l*	*25.0*		*95*	*80-120*			
LCS Analyzed: 01/12/03 (3A12004-BS1)										
Benzene	23.1	0.50	ug/l	25.0		92	70-120			
Bromobenzene	23.1	1.0	ug/l	25.0		92	80-120			
Bromochloromethane	25.2	1.0	ug/l	25.0		101	65-135			
Bromodichloromethane	23.4	1.0	ug/l	25.0		94	70-140			
Bromoform	25.9	1.0	ug/l	25.0		104	55-135			
Bromomethane	21.5	1.0	ug/l	25.0		86	65-140			
n-Butylbenzene	22.8	1.0	ug/l	25.0		91	75-130			
sec-Butylbenzene	22.1	1.0	ug/l	25.0		88	75-125			

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VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A12004 Extracted: 01/12/03										
LCS Analyzed: 01/12/03 (3A12004-BS1)										
tert-Butylbenzene	21.8	1.0	ug/l	25.0		87	75-125			
arbon tetrachloride	23.2	0.50	ug/l	25.0		93	65-155			
hlorobenzene	24.2	1.0	ug/l	25.0		97	80-125			
Chloroethane	21.6	1.0	ug/l	25.0		86	60-145			
Chloroform	23.1	1.0	ug/l	25.0		92	70-130			
hloromethane	15.8	1.0	ug/l	25.0		63	40-145			
2-Chlorotoluene	22.2	1.0	ug/l	25.0		89	75-125			
4-Chlorotoluene	22.9	1.0	ug/l	25.0		92	75-125			
ibromochloromethane	24.8	1.0	ug/l	25.0		99	65-145			
2-Dibromo-3-chloropropane	22.5	5.0	ug/l	25.0		90	50-130			
1,2-Dibromoethane (EDB)	25.4	1.0	ug/l	25.0		102	75-125			
ibromomethane	25.1	1.0	ug/l	25.0		100	70-130			
2-Dichlorobenzene	24.1	1.0	ug/l	25.0		96	80-120			
1,3-Dichlorobenzene	23.5	1.0	ug/l	25.0		94	75-120			
4-Dichlorobenzene	23.0	1.0	ug/l	25.0		92	75-120			
ichlorodifluoromethane	14.6	5.0	ug/l	25.0		58	10-160			
1,1-Dichloroethane	22.7	1.0	ug/l	25.0		91	70-135			
1,2-Dichloroethane	23.8	0.50	ug/l	25.0		95	60-150			
1-Dichloroethene	21.8	1.0	ug/l	25.0		87	70-130			
s-1,2-Dichloroethene	21.7	1.0	ug/l	25.0		87	70-125			
trans-1,2-Dichloroethene	22.1	1.0	ug/l	25.0		88	70-130			
2-Dichloropropane	22.2	1.0	ug/l	25.0		89	65-120			
3-Dichloropropane	24.5	1.0	ug/l	25.0		98	70-130			
2,2-Dichloropropane	21.9	1.0	ug/l	25.0		88	70-150			
1-Dichloropropene	23.9	1.0	ug/l	25.0		96	75-130			
s-1,3-Dichloropropene	23.6	0.50	ug/l	25.0		94	75-130			
trans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0		94	70-135			
Ethylbenzene	23.2	1.0	ug/l	25.0		93	70-125			
exachlorobutadiene	21.8	1.0	ug/l	25.0		87	70-140			
opropylbenzene	22.0	1.0	ug/l	25.0		88	70-125			
p-Isopropyltoluene	21.7	1.0	ug/l	25.0		87	75-125			
lethylene chloride	20.7	5.0	ug/l	25.0		83	60-135			
aphthalene	25.2	1.0	ug/l	25.0		101	50-145			
n-Propylbenzene	22.8	1.0	ug/l	25.0		91	75-130			
Styrene	24.3	1.0	ug/l	25.0		97	80-135			
1,1,2-Tetrachloroethane	23.9	1.0	ug/l	25.0		96	70-145			

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Patty Mata
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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A12004 Extracted: 01/12/03										
LCS Analyzed: 01/12/03 (3A12004-BS1)										
1,1,2,2-Tetrachloroethane	30.2	1.0	ug/l	25.0		121	60-135			
Tetrachloroethene	25.5	1.0	ug/l	25.0		102	80-125			
Toluene	22.8	1.0	ug/l	25.0		91	70-120			
1,2,3-Trichlorobenzene	24.5	1.0	ug/l	25.0		98	65-135			
1,2,4-Trichlorobenzene	24.8	1.0	ug/l	25.0		99	70-140			
1,1,1-Trichloroethane	23.1	1.0	ug/l	25.0		92	70-140			
1,1,2-Trichloroethane	24.0	1.0	ug/l	25.0		96	70-125			
Trichloroethene	24.0	1.0	ug/l	25.0		96	75-120			
Trichlorofluoromethane	24.1	1.0	ug/l	25.0		96	65-145			
1,2,3-Trichloropropane	24.3	1.0	ug/l	25.0		97	60-130			
1,2,4-Trimethylbenzene	22.0	1.0	ug/l	25.0		88	80-125			
1,3,5-Trimethylbenzene	21.9	1.0	ug/l	25.0		88	80-125			
Vinyl chloride	18.9	0.50	ug/l	25.0		76	50-130			
o-Xylene	22.9	1.0	ug/l	25.0		92	70-125			
m,p-Xylenes	46.5	1.0	ug/l	50.0		93	70-120			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Matrix Spike Analyzed: 01/12/03 (3A12004-MS1)					**Source: IMA0366-05**					
Benzene	57.3	0.50	ug/l	25.0	37	81	60-125			
Bromodichloromethane	24.4	1.0	ug/l	25.0	ND	98	70-140			
Bromoform	24.7	1.0	ug/l	25.0	ND	99	50-140			
Chlorobenzene	26.1	1.0	ug/l	25.0	ND	104	75-125			
Chloroform	25.4	1.0	ug/l	25.0	ND	102	70-130			
Dibromochloromethane	25.0	1.0	ug/l	25.0	ND	100	65-145			
1,4-Dichlorobenzene	25.0	1.0	ug/l	25.0	ND	100	70-120			
1,1-Dichloroethane	24.6	1.0	ug/l	25.0	ND	98	65-135			
1,2-Dichloroethane	24.9	0.50	ug/l	25.0	ND	100	60-150			
1,1-Dichloroethene	23.8	1.0	ug/l	25.0	ND	95	60-135			
Ethylbenzene	25.1	1.0	ug/l	25.0	0.31	99	65-125			
Naphthalene	28.0	1.0	ug/l	25.0	1.5	106	55-145			
Tetrachloroethene	27.2	1.0	ug/l	25.0	ND	109	70-130			
Toluene	24.9	1.0	ug/l	25.0	ND	100	65-125			
Trichloroethene	26.0	1.0	ug/l	25.0	ND	104	70-125			
Vinyl chloride	21.4	0.50	ug/l	25.0	ND	86	40-135			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS by GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A12004 Extracted: 01/12/03										
Matrix Spike Analyzed: 01/12/03 (3A12004-MS1)					**Source: IMA0366-05**					
o-Xylene	24.4	1.0	ug/l	25.0	ND	98	65-125			
,p-Xylenes	49.5	1.0	ug/l	50.0	0.55	98	65-120			
urrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
urrogate: 4-Bromofluorobenzene	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 01/12/03 (3A12004-MSD1)					**Source: IMA0366-05**					
Benzene	56.7	0.50	ug/l	25.0	37	79	60-125	1	20	
romodichloromethane	24.8	1.0	ug/l	25.0	ND	99	70-140	2	20	
romoform	28.0	1.0	ug/l	25.0	ND	112	50-140	13	30	
Chlorobenzene	25.7	1.0	ug/l	25.0	ND	103	75-125	2	20	
Chloroform	24.7	1.0	ug/l	25.0	ND	99	70-130	3	20	
ibromochloromethane	26.6	1.0	ug/l	25.0	ND	106	65-145	6	25	
4-Dichlorobenzene	24.7	1.0	ug/l	25.0	ND	99	70-120	1	20	
1,1-Dichloroethane	24.0	1.0	ug/l	25.0	ND	96	65-135	2	20	
2-Dichloroethane	25.8	0.50	ug/l	25.0	ND	103	60-150	4	25	
1-Dichloroethene	22.6	1.0	ug/l	25.0	ND	90	60-135	5	20	
Ethylbenzene	24.5	1.0	ug/l	25.0	0.31	97	65-125	2	20	
Naphthalene	33.2	1.0	ug/l	25.0	1.5	127	55-145	17	30	
etrachloroethene	27.0	1.0	ug/l	25.0	ND	108	70-130	1	20	
Toluene	24.3	1.0	ug/l	25.0	ND	97	65-125	2	20	
Trichloroethene	25.3	1.0	ug/l	25.0	ND	101	70-125	3	20	
inyl chloride	18.4	0.50	ug/l	25.0	ND	74	40-135	15	20	
Xylene	24.0	1.0	ug/l	25.0	ND	96	65-125	2	20	
m,p-Xylenes	48.4	1.0	ug/l	50.0	0.55	96	65-120	2	20	
urrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
urrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			

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Patty Mata
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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A13036 Extracted: 01/13/03										
Blank Analyzed: 01/14/03 (3A13036-BLK1)										
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Copper	ND	0.010	mg/l							
LCS Analyzed: 01/14/03 (3A13036-BS1)										
Cadmium	0.976	0.0050	mg/l	1.00		98	80-120			
Chromium	0.996	0.0050	mg/l	1.00		100	80-120			
Copper	1.02	0.010	mg/l	1.00		102	80-120			
Matrix Spike Analyzed: 01/14/03 (3A13036-MS1)					**Source: IMA0356-01**					
Cadmium	0.954	0.0050	mg/l	1.00	ND	95	75-125			
Chromium	0.998	0.0050	mg/l	1.00	0.0097	99	75-125			
Copper	1.10	0.010	mg/l	1.00	0.0051	109	75-125			
Matrix Spike Dup Analyzed: 01/14/03 (3A13036-MSD1)					**Source: IMA0356-01**					
Cadmium	0.955	0.0050	mg/l	1.00	ND	96	75-125	0	20	
Chromium	0.999	0.0050	mg/l	1.00	0.0097	99	75-125	0	20	
Copper	1.10	0.010	mg/l	1.00	0.0051	109	75-125	0	20	

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Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech

Report Number: IMA0356

Sampled: 01/09/03
Received: 01/09/03

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3A09043 Extracted: 01/09/03										
Duplicate Analyzed: 01/09/03 (3A09043-DUP1)					**Source: IMA0347-01**					
pH	7.04	NA	pH Units		7.03			0	5	
Batch: 3A09056 Extracted: 01/09/03										
Blank Analyzed: 01/09/03 (3A09056-BLK1)										
Chromium VI	ND	0.0010	mg/l							
LCS Analyzed: 01/09/03 (3A09056-BS1)										
Chromium VI	0.0507	0.0010	mg/l	0.0500		101	90-110			
Matrix Spike Analyzed: 01/09/03 (3A09056-MS1)					**Source: IMA0341-03**					
Chromium VI	0.0508	0.0010	mg/l	0.0500	0.0034	95	80-115			
Matrix Spike Dup Analyzed: 01/09/03 (3A09056-MSD1)					**Source: IMA0341-03**					
Chromium VI	0.0508	0.0010	mg/l	0.0500	0.0034	95	80-115	0	15	

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Camp, Dresser & McKee 18581 Teller Avenue, #200 Irvine, CA 92612 Attention: Sharon Wallin	Project ID: Phibro-Tech Report Number: IMA0356	Sampled: 01/09/03 Received: 01/09/03

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

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Patty Mata
Project Manager

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CHAIN OF CUSTODY FORM

Client Name/Address: CDM, 18581 Teller Ave Suite 200, Irvine Ca 92614

P.O. #:

Project: Phibro-Tech

Project Manager/Phone Number: Sharon Wallin

Phone Number: 949-752-5452

Sampler: Rob Lopez

Fax Number: 949-752-1307

ANALYSIS REQUIRED: EPA 8260; EPA 6010 (Cr, Co, Cd); EPA 7199 Cr+6; pH

p 1 of 3

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	EPA 8260	EPA 6010 (Cr, Co, Cd)	EPA 7199 Cr+6	pH						Special Instructions
PTI-MW06B-056	GW	40ml VOA	3	1-9-03 8:15	HCl	X									
		500ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-MW04A-056		40ml VOA	3	1-9-03 9:10	HCl	X									
		500ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-~~MW04A~~ EB03-056 PL		40ml VOA	3	1-9-03 9:30	HCl	X									
		500ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-TB02-056		40ml VOA	2	1-9-03	HCl	X									

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	1-9-03 15:50	[signature]	1-9-03 1550
Relinquished By	Date/Time:	Received By	Date/Time:
Relinquished By	Date/Time:	Received By	Date/Time:

Turnaround Time: (check)
Same Day _____ 72 Hours _____
24 Hours _____ 5 days _____
48 hours _____ normal X

Sample Integrity: (Check)
Intact X On Ice: X 3°C

Del Mar Analytical

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

CHAIN OF CUSTODY FORM

Client Name/Address: CDM Seep 1

P.O. #:

Project: Philbro Tech

Project Manager/Phone Number: Sharon Walline

Phone Number: 949-752-5452

Sampler: Rod Lopez

Fax Number:

ANALYSIS REQUIRED

P 2 of 3

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	EPA 8260 VOC	EPA 6010 (Cu Cd)	EPA 7199 Cr+6	pH						Special Instructions
PTI-MW116-056	GW	40 ml VOA	3	1-9-03 10:27	HCl	X									
		500 ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-DI-056	GW	40 ml VOA	3	1-9-03 10:50	HCl	X									
		500 ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-MW09-056	GW	40 ml VOA	3	1-9-03 11:35	HCl	X									
			1		~~NaOH~~ HNO_3 RC		X								
			1		NaOH			X							
			1		None				X						

Relinquished By	Date/Time:	Received By	Date/Time:
Rod Lopez	1-9-03 15:50	[signature]	1-9-03 1550
Relinquished By	Date/Time:	Received By	Date/Time:
Relinquished By	Date/Time:	Received By	Date/Time:

Turnaround Time: (check)
Same Day _____ 72 Hours _____
24 Hours _____ 5 days _____
48 hours _____ normal X

Sample Integrity: (Check)
Intact X On Ice: X 3°C

Del Mar Analytical
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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

CHAIN OF CUSTODY FORM

Client Name/Address: CDM

See p 1

P.O. #:

Project: Phibro Tech

Project Manager/Phone Number:

Phone Number: 949-752-5452

Sampler: [signature]

Fax Number:

ANALYSIS REQUIRED

3 of 3

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	EPA 8260 VOC	EPA 6010 (Cr Cd)	EPA 7196 Cr+6	pH						Special Instructions
PTI-MW37-0506	GW	40 ml VOA	3	1-9-03 12:40	HCl	X									
		500 ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		NaOH				X						

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	1-9-03 15:50	[signature]	1-9-03 1550
Relinquished By	Date/Time:	Received By	Date/Time:
Relinquished By	Date/Time:	Received By	Date/Time:

Turnaround Time: (check)
Same Day _____ 72 Hours _____
24 Hours _____ 5 days _____
48 hours _____ normal X

Sample Integrity: (Check)
Intact X On Ice: X 3°C

D

Appendix D

Appendix D
Completed COC Forms

16-924

CHAIN OF CUSTODY FORM

Quote No: _____ Page 1 of 1

Project Number: /

Project Name: PHI BRATOFF

Project Manager: STEPHEN WHEW / JOHN BONO

Sampler(s) (signature): [illegible]

City: [illegible]

Tel: 949 752 [illegible]

Sample I.D.																							
PH-MW 45-056	W	12/4/02	0830	16		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PH-MW 07-056			1020	16		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PH-MW 04-056			1300	16		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PH-MW 11-056			[illegible]	16		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PH-MW 35-056			[illegible]	16		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PH-MW 20-056			[illegible]	16		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
										X	X			X									

Relinquished by: [signature] Date/Time: 12/4/02 1647

Received by: Date/Time:

Relinquished by: Date/Time:

Received by: Date/Time:

Relinquished by: Date/Time:

Received by: [signature] Date/Time: 12/5/02 1647

Remarks:

Turnaround Time (check one): Same Day ___ 24 hours ___ 48 hours ___ 72 hours ___ 5 Days ___ Standard X

Sample Integrity: Intact? X On Ice? YES

Note: By signing this form, the client agrees to the terms and conditions of service. Client is responsible for the analysis requested, but can be billed for any additional analyses performed on the project. Payment is due within 30 days of receipt of invoice. Samples will be disposed after 30 days.

COC-GT

Del Mar Analytical
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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (602) 785-0043 FAX (602) 785-0851
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-9689

CHAIN OF CUSTODY FORM

106925

Quote No.: _____ Page: 1 of 1

Client Name: CDM
Address:
City: IRVINE State: Zip:
Tel: 949 752 5452 Fax: 949 752 1307

P.O./Project Number:
Project Name: PHIBRO-TECH
Project Manager: JOHN BENNETT / SHARON WATSON
Sampler(s) (signature): [signature]

Sample I.D.	Matrix	Date Sampled	Time	Preservation	Number of Containers	Type of Containers	8015 (Gas) ☐ 8020 (BTEX) ☐	MTBE (8020) ☐ 8015/8020/MTBE ☐	8015 (Diesel) ☐ fuel simulated distillation ☐ fingerprint ☐	Oil & Grease - EPA 413.2	TRPH - EPA 418.1	EPA 8010 ☐ EPA 8010/8020 ☐	EPA 8270	Title 22 Metals EPA 6010/7000 ☐ +Cr VI ☐	EPA 8260 ☒ + Oxygenates ☐ + MTBE ☐ MTBE only ☐	Lead	pH	6010 (Cr-Cu-Cd)	7199 (Cr(VI))				
PTI-MW01D-056	W	1/8/02	1035	HNO3	6	G									X		X	X	X				
PTI-MW01S-056	↓	↓	1130	↓	↓	G									X		X	X	X				
PTI-MW03-056	↓	↓	1335	↓	↓	G									X		X	X	X				
PTI-MW15D-056	↓	↓	1500	↓	↓	G									X		X	X	X				
PTI-MW15S-056	↓	↓	1555	↓	↓	G									X		X	X	X				
PTI-EB02-056	↓	↓	1350	↓	↓	G									X		X	X	X				
PTI-MW06D-056	↓	↓	1505	↓	↓										X		X	X	X				

Relinquished by: [signature]	Date/Time: 1826 1/8/03	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received in Lab by: [signature]	Date/Time: 1-8-03 1826

Remarks:

Turnaround Time: (check one):
Same Day ___ 72 hours ___
24 Hours ___ 5 Days ___
48 Hours ___ Standard X

Sample Integrity:
Intact: X On Ice 7°C

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of the invoice. Sample(s) will be disposed of after 30 days.

COC-GT

Del Mar Analytical
2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (858) 505-8596 FAX (858) 505-9689
9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851
2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

CHAIN OF CUSTODY FORM

Client Name/Address: CDM, 18581 Teller Ave Suite 200, Irvine Ca 92614

P.O. #:

Project: Phibro-Tech

Project Manager/Phone Number: Sharon Willin

Phone Number: 949-752-5452

Sampler: Bob Lopez

Fax Number: 949-752-1307

ANALYSIS REQUIRED

p 1 of 3

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	EPA 8260	EPA 6010 (Cr, Cu, Ni)	EPA 7199 Cr+6	pH						Special Instructions
PTI-MW06B-056	GW	VOA 40ml	3	~~8:15~~ 1-9-03	HCl	X									
		500ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-MW09A-056		VOA 40ml	3	~~9:10~~ 1-9-03	HCl	X									
		500ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-~~MW06(A)~~ EB03-056 RL		VOA 40ml	3	~~9:30~~ 1-9-03	HCl	X									
		500ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-TB02-056		VOA 40ml	2	~~—~~ 1-9-03	HCl	X									

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	1-9-03 15:50	[signature]	1-9-03 1550
Relinquished By	Date/Time:	Received By	Date/Time:
Relinquished By	Date/Time:	Received By	Date/Time:

Turnaround Time: (check)
Same Day _____ 72 Hours _____
24 Hours _____ 5 days _____
48 hours _____ normal X

Sample Integrity: (Check)
Intact X On Ice: X 3°C

Del Mar Analytical
2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

CHAIN OF CUSTODY FORM

Client Name/Address: CDM Seep 1

P.O. #:

Project: Philbro Tech

Project Manager/Phone Number: Sharon Walline

Phone Number: 949-757-5452

Sampler: Rod Sayre

Fax Number:

ANALYSIS REQUIRED

p 2 of 3

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	EPA 8260 VOC	EPA 6010 (CCCrd)	EPA 7196 Cr6	pH						Special Instructions
PTI-MW16-056	GW	VOA 40ml	3	1-9-03 10:27	HCl	X									
		500ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-DI-056	GW	VOA 40ml	3	1-9-03 10:50	HCl	X									
		500ml poly	1		HNO_3		X								
			1		NaOH			X							
			1		None				X						
PTI-MW09-056	GW	VOA 40ml	3	1-9-03 11:35	HCl	X									
			1		~~NaOH~~ HNO_3		X								
			1		NaOH			X							
			1		None				X						

Relinquished By	Date/Time:	Received By	Date/Time:
Rod Sayre	1-9-03 15:50	Walline	1-9-03 1550
Relinquished By	Date/Time:	Received By	Date/Time:
Relinquished By	Date/Time:	Received By	Date/Time:

Turnaround Time: (check)
Same Day _____ 72 Hours _____
24 Hours _____ 5 days _____
48 hours _____ normal X

Sample Integrity: (Check)
Intact ✓ On Ice: X 3°C

Del Mar Analytical
2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046
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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

CHAIN OF CUSTODY FORM

Client Name/Address: CDM

See p 1

P.O. #:

Project: Phibro Tech

Project Manager/Phone Number:

Phone Number: 949-752-5452

Sampler: [signature]

Fax Number:

ANALYSIS REQUIRED

3 of 3

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	EPA 8260 VOC	EPA 6010 (Cr Cd)	EPA 7199 Cr+6	pH						Special Instructions
PTI-MW37-0556	GW	40 ml VOA	3	~~1:9:03~~ 12:40	HCl	X									
↓	↓	500 ml Poly	1	↓	HNO_3		X								
		↓	1		NaOH			X							
↓	↓	↓	1	↓	NaOH				X						

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	1-9-03 15:50	[signature]	1-9-03 1550
Relinquished By	Date/Time:	Received By	Date/Time:
Relinquished By	Date/Time:	Received By	Date/Time:

Turnaround Time: (check)
Same Day _____ 72 Hours _____
24 Hours _____ 5 days _____
48 hours _____ normal X

Sample Integrity: (Check)
Intact X On Ice: X 3°C

Appendix E

Appendix E
Background Groundwater Concentrations

CITY OF SANTA FE SPRINGS
2001 ANNUAL WATER QUALITY REPORT

Results are from the most recent testing performed in accordance with state and federal drinking water regulations

PRIMARY STANDARDS MONITORED AT THE SOURCE-MANDATED FOR PUBLIC HEALTH

	GROUNDWATER		SURFACE WATER		PRIMARY	MCLG	MAJOR SOURCES IN DRINKING WATER
	AVERAGE	RANGE	AVERAGE	RANGE	MCL	or PHG	
ORGANIC CHEMICALS (µg/l)							
Toluene	ND	ND	ND	ND-4.0	150	150	Discharge from petroleum and chemical refineries
Trichloroethylene-TCE	0.7	ND-1.6	ND	ND	5	0.8 (c)	Discharge from metal degreasing sites and other factories
INORGANICS Sampled from 1999 to 2001(d)							
Aluminum (mg/l)	ND	ND	0.14	ND-0.24	1	0.6 (c)	Erosion of natural deposits, surface water treatment process residue
Arsenic (µg/l)	5.5 (h)	ND-11	ND	ND-2.4	50	-	Erosion of natural deposits, glass and electronics production wastes
Fluoride (mg/l)	0.30	0.27-0.33	0.22	0.18-0.27	2	1 (c)	Erosion of natural deposits, water additive that promotes strong teeth
Nitrate (mg/l as N)	0.88	ND-1.75	ND	ND-0.59	10	10 (c)	Leaking from septic tanks and sewage; erosion of natural deposits
RADIOLOGICAL - pCi/l Analyzed 4 consecutive quarters every 4 years (results are from 1998 to 2001) (d)							
Gross Alpha (f)	2.4	ND-6.3	4.1	1.2-6.3	15 (g)	-	Erosion of natural deposits
Gross Beta	NA	NA	5.4	ND-7.8	50 (g)	-	Decay of natural and man-made deposits
Combined Radium 226/228	NA	NA	ND	ND-1.5	5	-	Erosion of natural deposits
Uranium	4.8	4.0-5.5	2.9	ND-4.0	20 (g)	0.5 (c)	Erosion of natural deposits

MONITORED IN THE DISTRIBUTION SYSTEM

	GROUNDWATER		SURFACE WATER		PRIMARY	MCLG	
	AVERAGE	RANGE	%<0.5	MAXIMUM	MCL	or PHG	
Turbidity (ntu)	0.1	0.1-0.5	100%	0.2	TT	-	Soil runoff

	GROUNDWATER		SURFACE WATER		PRIMARY	MCLG	
	AVERAGE	RANGE	AVERAGE	RANGE	MCL	or PHG	
Total Coliform Bacteria % Positive	0%	0%	0.06%	0-0.46%	5%	0%	Naturally present in the environment
Fecal Coliform Bacteria % Positive	0%	0%	0%	0%	0%	0%	Human and animal fecal waste
No. of Acute Violations	0	0	0	0			
Trihalomethanes-TTHMS (µg/l) (a)	39	ND-83	54	36-69	100	0	By-product of drinking water chlorination

	GROUNDWATER		SURFACE WATER		SECONDARY	MCLG	
	AVERAGE	RANGE	AVERAGE	RANGE	MCL	or PHG	
Color (color units)	<3	<3	1	1-2	15	-	Naturally-occurring organic materials
Odor (threshold odor number)	1	1-2	(e)	(e)	3	-	Naturally-occurring organic materials

	GROUNDWATER		SURFACE WATER		PRIMARY	MCLG	
	90%ile	#SITES ABOVE AL	90%ile	#SITES ABOVE AL	MCL	or PHG	
AT THE TAP 30 sites sampled in 2001							
Copper (mg/l)	0.16 (b)	0	ND	0	1.3 AL	0.17 (c)	Corrosion of household plumbing
Lead (µg/l)	ND (b)	0	ND	0	15 AL	2 (c)	Corrosion of household plumbing

SECONDARY STANDARDS MONITORED AT THE SOURCE-FOR AESTHETIC PURPOSES

	GROUNDWATER		SURFACE WATER		SECONDARY	MCLG	
	AVERAGE	RANGE	AVERAGE	RANGE	MCL	or PHG	
Chloride (mg/l)	50	34-66	79	72-83	500	-	Erosion of natural deposits, seawater influence
Conductivity (umhos/cm)	655	470-840	832	779-884	1600	-	Seawater influence, dissolved minerals
Sulfate (mg/l)	112	54-170	176	155-194	500	-	Erosion of natural deposits
Total Dissolved Solids (mg/l)	399	262-535	499	464-530	1000	-	Erosion of natural deposits
Manganese (µg/l)	ND	ND-26	ND	ND	50	-	Erosion of natural deposits

ADDITIONAL CHEMICALS OF INTEREST

	GROUNDWATER		SURFACE WATER	
	AVERAGE	RANGE	AVERAGE	RANGE
pH (std unit)	7.8	7.6-8.0	8.1	8.0-8.1
Total Hardness (mg/l)	221	105-337	236	216-255
Calcium (mg/l)	67	34-99	58	51-61
Magnesium (mg/l)	13	4-22	24	21-25
Sodium (mg/l)	60	53-67	79	74-83
Potassium (mg/l)	2.9	2.2-3.6	3.9	3.5-4.2
Perchlorate (µg/l)	ND	ND	4	ND-5
Haloacetic Acids (µg/l)	NA	NA	19	9.5-24
Haloacetonitriles (µg/l)	NA	NA	7.7	4.8-13
Chloropicrin (µg/l)	NA	NA	ND	ND
Haloketones (µg/l)	NA	NA	1.6	0.7-3.2
Chloral hydrate (µg/l)	NA	NA	4.0	1.5-6.8
Total Organic Halogens (TOX) (µg/l)	NA	NA	115	72-174
Cyanogen chloride (µg/l)	NA	NA	1.8	ND-3.1
Radon (pCi/l)	268	189-371	ND	ND
Hexavalent chromium (µg/l)	2.7	2.7	ND	ND
Total chromium screen (µg/l)	1.6	ND-3.2	NA	NA
Boron (µg/l)	77	ND-120	130	120-130
Vanadium (µg/l)	3.5	ND-5.4	4.0	3-4

FOOTNOTES

(a) Average and range calculated by running average.
(b) 90th percentile from the most recent sampling at selected customer taps.
(c) California Public Health Goal (PHG). Other advisory levels listed in this column are federal Maximum Contaminant Level Goals (MCLGs).
(d) Indicates dates sampled for groundwater sources only.
(e) Metropolitan Water District (MWD) of Southern California uses a flavor-profile test that more accurately detects odors. For more information, contact MWD at (213) 217-6850.
(f) Gross alpha standard also includes Radium-226 standard.
(g) MCL compliance based on 4 consecutive quarters of sampling. MCL standard is for combined Radium 226 plus 228.
(h) While your drinking water meets the current standard for arsenic, it does contain low levels of arsenic. The standard balances the current understanding of arsenic's possible health effects against the costs of removing arsenic from drinking water. The California Department of Health Services continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

ABBREVIATIONS

mg/l = milligrams per liter or parts per million (equivalent to 3 drops in 42 gallons)
µg/l = micrograms per liter or parts per billion (equivalent to 1 drop in 42,000 gallons)
< = less than
umhos/cm = microumhos per centimeter
ND = constituent not detected at the reporting limit
NA = constituent not analyzed
pCi/l = picoCuries per liter

DEFINITIONS

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.

Public Health Goal or PHG: The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

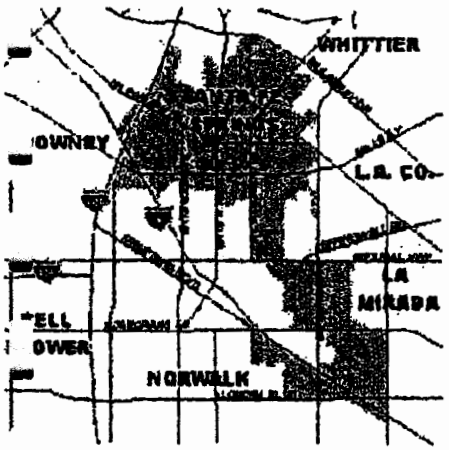
Primary Drinking Water Standard or PDWS: MCLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Special note on Radon: *Radon is a radioactive gas that you cannot taste, see or smell, and is a known human carcinogen. It is found throughout the country. Radon can move up through the ground and into a home through cracks and holes in the foundation. Radon can build to high levels in all types of homes. Radon can also get into indoor air when released from tap water from showering and other household activities. Radon entering the home through tap water is a small source compared to radon entering the home through soil. If you are concerned about radon in your home, an easy and inexpensive test can show you how much radon is in your home's indoor air. There are simple and inexpensive ways to fix your home if the level of radon in air is 4 picoCuries per liter (pCi/L) of air or higher. For additional information, call your State radon program or call EPA's Radon Hotline (800-SOS-RADON).*

CITY OF SANTA FE SPRINGS
2001 ANNUAL WATER QUALITY REPORT

S ce 1991, California water utilities have been providing information on water served to its consumers. This report is a snapshot of the tap water quality that we provided last year. Included are details about where your water comes from, how it is tested, what is in it, and how it compares with state and federal limits. Although a lot of the information in this report is detailed and technical, we have made every effort to keep it readable. We strive to keep you informed about the quality of your water, and to provide a reliable and economic supply that meets all requirements. **We are happy to report that your tap water meets or surpasses all water quality standards for 2001.**

Where Does My Tap Water Come From?



Your tap water comes from 2 sources: groundwater and surface water. We pump groundwater from local, deep wells. We also use Metropolitan Water District of Southern California's surface water from both the Colorado River and the State Water Project in northern California. These water sources supply our service area shown on the adjacent map. The quality of our groundwater and Metropolitan Water District's surface water supplies is presented in this report.

How is My Drinking Water Tested?

Your drinking water is tested regularly for unsafe levels of chemicals, radioactivity and bacteria at the source and in the distribution system. We test weekly, monthly, quarterly, annually or less often depending on the substance. State and federal laws allow us to test some substances less than once per year because their levels do not change frequently. All water quality tests are conducted by specially trained technicians in state-certified laboratories.

What Are Drinking Water Standards?

The federal Environmental Protection Agency (EPA) limits the amount of certain substances in tap water. In California, the Department of Health Services (DHS) regulates tap water quality by enforcing limits that are at least as stringent as the Federal EPA's. Historically, California limits are more stringent than the Federal counterparts.

There are two types of limits, known as standards. Primary standards protect you from substances that could potentially affect your health. Secondary standards regulate substances that affect the aesthetic qualities of water. Regulations set a Maximum Contaminant Level (MCL) for each of the primary and secondary standards. The MCL is the highest level of a substance that is allowed in drinking water. Water suppliers must not exceed MCLs to ensure water quality.

Public Health Goals (PHGs) are set by the California Environmental Protection Agency. PHGs provide more information on the quality of drinking water to customers, and are similar to their federal counterparts, Maximum Contaminant Level Goals (MCLGs). PHGs and MCLGs are levels that are of an advisory nature only and nonenforceable. Both PHGs and MCLGs are concentrations of a substance at which there are no known or expected health risks.

How Do I Read the Water Quality Table?

Although we test for over 100 substances, regulations require us to report only those found in your water. The first column of the water quality table lists substances detected in your water. The next columns list the average concentration and range of concentrations found in your drinking water. Following are columns that list the MCL and PHG or MCLG, if appropriate. The last column describes the likely sources of substances in drinking water.

To review the quality of your drinking water, compare the highest concentration and the MCL. Check for substances greater than the MCL. Exceedence of a primary MCL does not usually constitute an immediate health threat. Rather, it requires testing the source water more frequently for a short duration. If test results show that the water continues to exceed the MCL, the water must be treated to remove the substance, or the source must be removed from service.

/ Do I See So Much Coverage in the News About the Quality Of Tap Water?

drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. ater travels over the surface of the land or through the ground, it can pick up substances resulting from the presence of imals or from human activity. The presence of contaminants does not necessarily indicate that water poses a health risk. More ormation about contaminants and potential health effects can be obtained by calling the federal **EPA's Safe Drinking Water ne (800-426-4791). You can get more information on tap water by logging on to these helpful web sites:**

www.epa.gov/OGWDW (Federal EPA's web site)
ww.dhs.cahwnet.gov/ps/ddwem (California DHS website)

hat Does the EPA Say About Drinking Water Quality?

ources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and lls. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some , radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

ntaminants that may be present in source water include:

- licrobial contaminants, including viruses and bacteria, that may come from sewage treatment plants, septic systems, gricultural livestock operations, and wildlife;
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, ndustrial or domestic wastewater discharges, oil and gas production, mining or farming;
- esticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;
- rganic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industrial rocesses and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems;
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

er to ensure that tap water is safe to drink, the EPA and the California Department of Health Services (DHS) prescribe lations that limit the amount of certain contaminants in water provided by public water systems. DHS regulations also blish limits for contaminants in bottled water that must provide the same protection for public health.

uld I Take Additional Precautions?

people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised s such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people seek advice about drinking water from their health care providers. The EPA/Centers for Disease Control guidelines on riate means to lessen the risk of infection of *Cryptosporidium* and other microbial contaminants are available from the **ral EPA's Safe Drinking Water Hotline (800-426-4791).**

Can I Participate in Decisions On Water Issues That Affect Me?

public is welcome to attend City Council meetings on the second and fourth Thursday of each month at 7 p.m.

Do I Contact My Water Agency If I Have Any Questions About Water Quality?

ave specific questions about your tap water quality, please contact Ron Hughes at (562) 868-0511

v Can I Conserve Water At Home?

Install a Low-flow Showerhead - save over 5 gallons of water per shower, or about 1,800 gallons per year per person!
Install a low-flow toilet or water displacement device in your toilet - save 3.5 to 4.5 gallons on every flush!
n only full loads in your dishwasher/washing machine - save 300 - 800 gallons of water every month!
eep your sidewalks and driveway - save 150 gallons each time by sweeping instead of hosing!
Water the lawn only when it needs it - save 30-50 gallons per day!

Appendix F
Statistical Analysis

CDM

Appendix F-1
Statistical Tables

Table 1

Background Data

Constituent	Units	Location	Date		Result	
Benzene	ug/l	MW-1S	07/01/1994	ND	0.5000	
Benzene	ug/l	MW-1S	10/01/1994	ND	0.5000	
Benzene	ug/l	MW-1S	01/01/1995	ND	0.5000	
Benzene	ug/l	MW-1S	04/01/1995	ND	0.5000	
Benzene	ug/l	MW-1S	01/01/1996	ND	0.5000	
Benzene	ug/l	MW-1S	04/01/1996	ND	0.5000	
Benzene	ug/l	MW-1S	07/01/1996	ND	0.5000	
Benzene	ug/l	MW-1S	10/01/1996	ND	0.5000	
Benzene	ug/l	MW-1S	01/01/1997	ND	0.5000	
Benzene	ug/l	MW-1S	04/01/1997	ND	0.5000	
Benzene	ug/l	MW-1S	07/01/1997	ND	0.5000	
Benzene	ug/l	MW-1S	10/01/1997	ND	0.5000	
Benzene	ug/l	MW-1S	01/01/1998	ND	0.5000	
Benzene	ug/l	MW-1S	04/01/1998	ND	0.5000	
Benzene	ug/l	MW-1S	07/01/1998	ND	0.5000	
Benzene	ug/l	MW-1S	10/01/1998	ND	0.5000	
Benzene	ug/l	MW-1S	01/01/1999	ND	0.5000	
Benzene	ug/l	MW-1S	04/01/1999	ND	1.0000	
Benzene	ug/l	MW-1S	07/01/1999	ND	1.0000	
Benzene	ug/l	MW-1S	10/01/1999	ND	1.0000	
Benzene	ug/l	MW-1S	01/01/2000	ND	1.0000	
Benzene	ug/l	MW-1S	04/01/2000	ND	1.0000	
Benzene	ug/l	MW-1S	10/01/2000	ND	1.0000	
Benzene	ug/l	MW-1S	04/01/2001	ND	1.0000	
Benzene	ug/l	MW-1S	07/01/2001	ND	1.0000	
Benzene	ug/l	MW-1S	10/01/2001	ND	1.0000	
Benzene	ug/l	MW-1S	01/01/2002	ND	1.0000	
Benzene	ug/l	MW-1S	04/01/2002	ND	1.0000	
Benzene	ug/l	MW-1S	07/01/2002	ND	1.0000	
Benzene	ug/l	MW-1S	10/22/2002	ND	1.0000	
Benzene	ug/l	MW-1S	01/08/2003	ND	0.5000	
Cadmium	mg/L	MW-1S	07/01/1994	ND	0.0050	
Cadmium	mg/L	MW-1S	10/01/1994	ND	0.0050	
Cadmium	mg/L	MW-1S	01/01/1995	ND	0.0050	
Cadmium	mg/L	MW-1S	04/01/1995	ND	0.0010	
Cadmium	mg/L	MW-1S	01/01/1996	ND	0.0050	
Cadmium	mg/L	MW-1S	04/01/1996	ND	0.0050	
Cadmium	mg/L	MW-1S	07/01/1996	ND	0.0050	
Cadmium	mg/L	MW-1S	10/01/1996	ND	0.0050	
Cadmium	mg/L	MW-1S	01/01/1997	ND	0.0050	
Cadmium	mg/L	MW-1S	04/01/1997	ND	0.0050	
Cadmium	mg/L	MW-1S	07/01/1997	ND	0.0050	
Cadmium	mg/L	MW-1S	10/01/1997	ND	0.0050	
Cadmium	mg/L	MW-1S	01/01/1998	ND	0.0050	
Cadmium	mg/L	MW-1S	04/01/1998	ND	0.0050	
Cadmium	mg/L	MW-1S	07/01/1998	ND	0.0050	
Cadmium	mg/L	MW-1S	10/01/1998	ND	0.0050	
Cadmium	mg/L	MW-1S	01/01/1999	ND	0.0050	
Cadmium	mg/L	MW-1S	04/01/1999	ND	0.0050	
Cadmium	mg/L	MW-1S	07/01/1999	ND	0.0050	
Cadmium	mg/L	MW-1S	10/01/1999	ND	0.0050	
Cadmium	mg/L	MW-1S	01/01/2000	ND	0.0050	
Cadmium	mg/L	MW-1S	04/01/2000	ND	0.0050	
Cadmium	mg/L	MW-1S	10/01/2000	ND	0.0050	
Cadmium	mg/L	MW-1S	04/01/2001	ND	0.0050	

* - Outlier for that location and constituent.
ND = Not detected, result = detection limit.

Table 1

Background Data

Constituent	Units	Location	Date		Result	
Cadmium	mg/L	MW-1S	07/01/2001	ND	0.0050	
Cadmium	mg/L	MW-1S	10/01/2001	ND	0.0050	
Cadmium	mg/L	MW-1S	01/01/2002	ND	0.0050	
Cadmium	mg/L	MW-1S	04/01/2002	ND	0.0050	
Cadmium	mg/L	MW-1S	07/01/2002	ND	0.0050	
Cadmium	mg/L	MW-1S	10/22/2002	ND	0.0050	
Cadmium	mg/L	MW-1S	01/08/2003	ND	0.0050	
Chromium	mg/L	MW-1S	07/01/1994	ND	0.0100	
Chromium	mg/L	MW-1S	10/01/1994	ND	0.0100	
Chromium	mg/L	MW-1S	01/01/1995	ND	0.0100	
Chromium	mg/L	MW-1S	04/01/1995	ND	0.0100	
Chromium	mg/L	MW-1S	01/01/1996	ND	0.0100	
Chromium	mg/L	MW-1S	04/01/1996	ND	0.0100	
Chromium	mg/L	MW-1S	07/01/1996	ND	0.0100	
Chromium	mg/L	MW-1S	10/01/1996	ND	0.0100	
Chromium	mg/L	MW-1S	01/01/1997	ND	0.0100	
Chromium	mg/L	MW-1S	04/01/1997	ND	0.0100	
Chromium	mg/L	MW-1S	07/01/1997	ND	0.0100	
Chromium	mg/L	MW-1S	10/01/1997	ND	0.0100	
Chromium	mg/L	MW-1S	01/01/1998	ND	0.0100	
Chromium	mg/L	MW-1S	04/01/1998	ND	0.0100	
Chromium	mg/L	MW-1S	07/01/1998	ND	0.0100	
Chromium	mg/L	MW-1S	10/01/1998	ND	0.0100	
Chromium	mg/L	MW-1S	01/01/1999	ND	0.0100	
Chromium	mg/L	MW-1S	04/01/1999	ND	0.0100	
Chromium	mg/L	MW-1S	07/01/1999	ND	0.0100	
Chromium	mg/L	MW-1S	10/01/1999	ND	0.0100	
Chromium	mg/L	MW-1S	01/01/2000	ND	0.0100	
Chromium	mg/L	MW-1S	04/01/2000	ND	0.0100	
Chromium	mg/L	MW-1S	10/01/2000	ND	0.0100	
Chromium	mg/L	MW-1S	04/01/2001	ND	0.0100	
Chromium	mg/L	MW-1S	07/01/2001	ND	0.0100	
Chromium	mg/L	MW-1S	10/01/2001	ND	0.0100	
Chromium	mg/L	MW-1S	01/01/2002	ND	0.0100	
Chromium	mg/L	MW-1S	04/01/2002	ND	0.0100	
Chromium	mg/L	MW-1S	07/01/2002	ND	0.0100	
Chromium	mg/L	MW-1S	10/22/2002	ND	0.0100	
Chromium (vi)	mg/L	MW-1S	07/01/1994	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	10/01/1994	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	01/01/1995	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	04/01/1995	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	01/01/1996	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	04/01/1996	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	07/01/1996	ND	0.0100	
Chromium (vi)	mg/L	MW-1S	10/01/1996	ND	0.0100	
Chromium (vi)	mg/L	MW-1S	01/01/1997	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	04/01/1997	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	07/01/1997	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	10/01/1997	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	01/01/1998	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	04/01/1998	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	07/01/1998	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	10/01/1998	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	01/01/1999	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	04/01/1999	ND	0.0200	

* - Outlier for that location and constituent.
ND = Not detected, result = detection limit.

Table 1

Background Data

Constituent	Units	Location	Date		Result	
Chromium (vi)	mg/L	MW-1S	07/01/1999	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	10/01/1999	ND	0.0100	
Chromium (vi)	mg/L	MW-1S	01/01/2000	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	04/01/2000	ND	0.0100	
Chromium (vi)	mg/L	MW-1S	10/01/2000	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	04/01/2001	ND	0.0020	
Chromium (vi)	mg/L	MW-1S	07/01/2001	ND	0.0020	
Chromium (vi)	mg/L	MW-1S	10/01/2001		0.0062	
Chromium (vi)	mg/L	MW-1S	01/01/2002	ND	0.0200	
Chromium (vi)	mg/L	MW-1S	04/01/2002	ND	0.0020	
Chromium (vi)	mg/L	MW-1S	07/01/2002		0.0018	
Chromium (vi)	mg/L	MW-1S	10/22/2002	ND	0.0010	
Chromium (vi)	mg/L	MW-1S	01/08/2003	ND	0.0010	
Copper	mg/L	MW-1S	07/01/1994	ND	0.0200	
Copper	mg/L	MW-1S	10/01/1994	ND	0.0200	
Copper	mg/L	MW-1S	01/01/1995	ND	0.0200	
Copper	mg/L	MW-1S	04/01/1995	ND	0.0200	
Copper	mg/L	MW-1S	01/01/1996	ND	0.0200	
Copper	mg/L	MW-1S	04/01/1996	ND	0.0200	
Copper	mg/L	MW-1S	07/01/1996	ND	0.0200	
Copper	mg/L	MW-1S	10/01/1996	ND	0.0200	
Copper	mg/L	MW-1S	01/01/1997		0.0200	
Copper	mg/L	MW-1S	04/01/1997	ND	0.0200	
Copper	mg/L	MW-1S	07/01/1997	ND	0.0200	
Copper	mg/L	MW-1S	10/01/1997		0.0200	
Copper	mg/L	MW-1S	01/01/1998	ND	0.0200	
Copper	mg/L	MW-1S	04/01/1998		0.0200	
Copper	mg/L	MW-1S	07/01/1998	ND	0.0200	
Copper	mg/L	MW-1S	10/01/1998	ND	0.0200	
Copper	mg/L	MW-1S	01/01/1999	ND	0.0200	
Copper	mg/L	MW-1S	04/01/1999	ND	0.0200	
Copper	mg/L	MW-1S	07/01/1999		0.0500	
Copper	mg/L	MW-1S	10/01/1999	ND	0.0200	
Copper	mg/L	MW-1S	01/01/2000	ND	0.0200	
Copper	mg/L	MW-1S	04/01/2000	ND	0.0200	
Copper	mg/L	MW-1S	10/01/2000	ND	0.0200	
Copper	mg/L	MW-1S	04/01/2001	ND	0.0200	
Copper	mg/L	MW-1S	07/01/2001	ND	0.0200	
Copper	mg/L	MW-1S	10/01/2001	ND	0.0200	
Copper	mg/L	MW-1S	01/01/2002	ND	0.0200	
Copper	mg/L	MW-1S	04/01/2002	ND	0.0200	
Copper	mg/L	MW-1S	07/01/2002	ND	0.0200	
Copper	mg/L	MW-1S	10/22/2002	ND	0.0200	
Copper	mg/L	MW-1S	01/08/2003	ND	0.0100	
Ethylbenzene	ug/l	MW-1S	07/01/1994	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/1994	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/1995	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/1995		1.3000	
Ethylbenzene	ug/l	MW-1S	01/01/1996		1.7000	
Ethylbenzene	ug/l	MW-1S	04/01/1996		3.4000	
Ethylbenzene	ug/l	MW-1S	07/01/1996		2.2000	
Ethylbenzene	ug/l	MW-1S	10/01/1996		2.1000	
Ethylbenzene	ug/l	MW-1S	01/01/1997	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/1997		1.4000	
Ethylbenzene	ug/l	MW-1S	07/01/1997	ND	1.0000	

* - Outlier for that location and constituent.
ND = Not detected, result = detection limit.

Table 1

Background Data

Constituent	Units	Location	Date		Result	
Ethylbenzene	ug/l	MW-1S	10/01/1997	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/1998	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/1998	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	07/01/1998	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/1998	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/1999		2.0000	
Ethylbenzene	ug/l	MW-1S	04/01/1999	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	07/01/1999	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/1999	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/2000	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/2000	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/2000	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/2001	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	07/01/2001	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/01/2001	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/01/2002	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	04/01/2002	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	07/01/2002	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	10/22/2002	ND	1.0000	
Ethylbenzene	ug/l	MW-1S	01/08/2003	ND	1.0000	
Toluene	ug/l	MW-1S	07/01/1994	ND	1.0000	
Toluene	ug/l	MW-1S	01/01/1995	ND	1.0000	
Toluene	ug/l	MW-1S	04/01/1995	ND	1.0000	
Toluene	ug/l	MW-1S	01/01/1996	ND	1.0000	
Toluene	ug/l	MW-1S	04/01/1996	ND	1.0000	
Toluene	ug/l	MW-1S	07/01/1996	ND	1.0000	
Toluene	ug/l	MW-1S	10/01/1996	ND	1.0000	
Toluene	ug/l	MW-1S	01/01/1997	ND	1.0000	
Toluene	ug/l	MW-1S	04/01/1997	ND	1.0000	
Toluene	ug/l	MW-1S	07/01/1997	ND	1.0000	
Toluene	ug/l	MW-1S	10/01/1997	ND	1.0000	
Toluene	ug/l	MW-1S	01/01/1998	ND	1.0000	
Toluene	ug/l	MW-1S	04/01/1998	ND	1.0000	
Toluene	ug/l	MW-1S	07/01/1998	ND	1.0000	
Toluene	ug/l	MW-1S	10/01/1998	ND	1.0000	
Toluene	ug/l	MW-1S	01/01/1999	ND	2.0000	
Toluene	ug/l	MW-1S	04/01/1999	ND	1.0000	
Toluene	ug/l	MW-1S	07/01/1999	ND	1.0000	
Toluene	ug/l	MW-1S	10/01/1999	ND	1.0000	
Toluene	ug/l	MW-1S	01/01/2000	ND	1.0000	
Toluene	ug/l	MW-1S	04/01/2000	ND	1.0000	
Toluene	ug/l	MW-1S	10/01/2000	ND	1.0000	
Toluene	ug/l	MW-1S	04/01/2001	ND	1.0000	
Toluene	ug/l	MW-1S	07/01/2001	ND	1.0000	
Toluene	ug/l	MW-1S	10/01/2001	ND	1.0000	
Toluene	ug/l	MW-1S	01/01/2002	ND	1.0000	
Toluene	ug/l	MW-1S	04/01/2002	ND	1.0000	
Toluene	ug/l	MW-1S	07/01/2002	ND	1.0000	
Toluene	ug/l	MW-1S	10/22/2002	ND	1.0000	
Toluene	ug/l	MW-1S	01/08/2003	ND	1.0000	
Total xylenes	ug/l	MW-1S	07/01/1994	ND	1.0000	
Total xylenes	ug/l	MW-1S	10/01/1994		5.8000	
Total xylenes	ug/l	MW-1S	01/01/1995	ND	1.0000	
Total xylenes	ug/l	MW-1S	04/01/1995	ND	1.0000	
Total xylenes	ug/l	MW-1S	01/01/1996		5.1000	

* - Outlier for that location and constituent.
ND = Not detected, result = detection limit.

Table 1

Background Data

Constituent	Units	Location	Date		Result	
Total xylenes	ug/l	MW-1S	04/01/1996		4.9000	
Total xylenes	ug/l	MW-1S	07/01/1996		3.7000	
Total xylenes	ug/l	MW-1S	10/01/1996		2.8000	
Total xylenes	ug/l	MW-1S	01/01/1997		2.0000	
Total xylenes	ug/l	MW-1S	04/01/1997		1.2000	
Total xylenes	ug/l	MW-1S	07/01/1997	ND	1.0000	
Total xylenes	ug/l	MW-1S	10/01/1997	ND	1.0000	
Total xylenes	ug/l	MW-1S	01/01/1998	ND	1.0000	
Total xylenes	ug/l	MW-1S	04/01/1998	ND	1.0000	
Total xylenes	ug/l	MW-1S	07/01/1998	ND	1.0000	
Total xylenes	ug/l	MW-1S	10/01/1998	ND	1.0000	
Total xylenes	ug/l	MW-1S	01/01/1999	ND	2.0000	
Total xylenes	ug/l	MW-1S	04/01/1999	ND	2.0000	
Total xylenes	ug/l	MW-1S	07/01/1999	ND	1.0000	
Total xylenes	ug/l	MW-1S	10/01/1999	ND	2.0000	
Total xylenes	ug/l	MW-1S	01/01/2000	ND	1.0000	
Total xylenes	ug/l	MW-1S	04/01/2000	ND	1.0000	
Total xylenes	ug/l	MW-1S	10/01/2000	ND	1.0000	
Total xylenes	ug/l	MW-1S	04/01/2001	ND	1.0000	
Total xylenes	ug/l	MW-1S	07/01/2001	ND	1.0000	
Total xylenes	ug/l	MW-1S	10/01/2001	ND	1.0000	
Total xylenes	ug/l	MW-1S	01/01/2002	ND	1.0000	
Total xylenes	ug/l	MW-1S	04/01/2002	ND	1.0000	
Total xylenes	ug/l	MW-1S	07/01/2002	ND	2.0000	
Total xylenes	ug/l	MW-1S	10/22/2002	ND	2.0000	
Total xylenes	ug/l	MW-1S	01/08/2003	ND	2.0000	
Trichloroethene	ug/l	MW-1S	07/01/1994		7.9000	
Trichloroethene	ug/l	MW-1S	10/01/1994		13.0000	
Trichloroethene	ug/l	MW-1S	01/01/1995		5.2000	
Trichloroethene	ug/l	MW-1S	04/01/1995		4.4000	
Trichloroethene	ug/l	MW-1S	01/01/1996		8.4000	
Trichloroethene	ug/l	MW-1S	04/01/1996		2.9000	
Trichloroethene	ug/l	MW-1S	07/01/1996		9.7000	
Trichloroethene	ug/l	MW-1S	10/01/1996		16.0000	
Trichloroethene	ug/l	MW-1S	01/01/1997		6.0000	
Trichloroethene	ug/l	MW-1S	04/01/1997		15.0000	
Trichloroethene	ug/l	MW-1S	07/01/1997		14.0000	
Trichloroethene	ug/l	MW-1S	10/01/1997		12.0000	
Trichloroethene	ug/l	MW-1S	01/01/1998		12.0000	
Trichloroethene	ug/l	MW-1S	04/01/1998		14.0000	
Trichloroethene	ug/l	MW-1S	07/01/1998		14.0000	
Trichloroethene	ug/l	MW-1S	10/01/1998		7.8000	
Trichloroethene	ug/l	MW-1S	01/01/1999		10.0000	
Trichloroethene	ug/l	MW-1S	04/01/1999		7.2000	
Trichloroethene	ug/l	MW-1S	07/01/1999		9.1000	
Trichloroethene	ug/l	MW-1S	10/01/1999		9.1000	
Trichloroethene	ug/l	MW-1S	01/01/2000		9.9000	
Trichloroethene	ug/l	MW-1S	04/01/2000		16.0000	
Trichloroethene	ug/l	MW-1S	10/01/2000		8.9000	
Trichloroethene	ug/l	MW-1S	04/01/2001		13.0000	
Trichloroethene	ug/l	MW-1S	07/01/2001		2.1000	
Trichloroethene	ug/l	MW-1S	10/01/2001		13.0000	
Trichloroethene	ug/l	MW-1S	01/01/2002		7.0000	
Trichloroethene	ug/l	MW-1S	04/01/2002		5.3000	
Trichloroethene	ug/l	MW-1S	07/01/2002		6.2000	

* - Outlier for that location and constituent.
ND = Not detected, result = detection limit.

Table 1

Background Data

Constituent	Units	Location	Date		Result	
Trichloroethene	ug/l	MW-1S	10/22/2002		8.3000	
Trichloroethene	ug/l	MW-1S	01/08/2003		11.0000	

* - Outlier for that location and constituent.
ND = Not detected, result = detection limit.

Table 2

Most Current Onsite/Downgradient Monitoring Data

Constituent	Units	Location	Date		Result		Pred. Limit
Benzene	ug/l	MW-11	10/24/2002	ND	10.0000		0.5000
Benzene	ug/l	MW-14S	10/23/2002	ND	5.0000		0.5000
Benzene	ug/l	MW-15D	01/08/2003		1.3000	*	0.5000
Benzene	ug/l	MW-15S	01/08/2003		0.5300	*	0.5000
Benzene	ug/l	MW-16	01/09/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-1D	01/08/2003		0.6700	*	0.5000
Benzene	ug/l	MW-3	01/08/2003		1.6000	*	0.5000
Benzene	ug/l	MW-4	12/30/2002		3.8000	*	0.5000
Benzene	ug/l	MW-4A	01/09/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-6B	01/09/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-6D	01/08/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-7	10/23/2002	ND	1.0000		0.5000
Benzene	ug/l	MW-9	01/09/2003	ND	2.5000		0.5000
Cadmium	mg/L	MW-11	12/30/2002	ND	0.0050		0.0050
Cadmium	mg/L	MW-14S	12/30/2002	ND	0.0050		0.0050
Cadmium	mg/L	MW-15D	01/08/2003	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	01/08/2003		0.0053	*	0.0050
Cadmium	mg/L	MW-16	01/09/2003	ND	0.0050		0.0050
Cadmium	mg/L	MW-1D	01/08/2003	ND	0.0050		0.0050
Cadmium	mg/L	MW-3	01/08/2003	ND	0.0050		0.0050
Cadmium	mg/L	MW-4	12/30/2002		0.2550	*	0.0050
Cadmium	mg/L	MW-4A	01/09/2003	ND	0.0050		0.0050
Cadmium	mg/L	MW-6B	01/09/2003	ND	0.0050		0.0050
Cadmium	mg/L	MW-6D	01/08/2003	ND	0.0050		0.0050
Cadmium	mg/L	MW-7	12/30/2002	ND	0.0050		0.0050
Cadmium	mg/L	MW-9	01/09/2003	ND	0.0050		0.0050
Chromium	mg/L	MW-11	12/30/2002	ND	0.0050		0.0100
Chromium	mg/L	MW-14S	12/30/2002		0.0100		0.0100
Chromium	mg/L	MW-15D	10/22/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-15S	10/23/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-16	01/09/2003		0.0057		0.0100
Chromium	mg/L	MW-1D	10/22/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-3	01/08/2003	ND	0.0050		0.0100
Chromium	mg/L	MW-4	12/30/2002		9.3000	*	0.0100
Chromium	mg/L	MW-4A	01/09/2003		0.0089		0.0100
Chromium	mg/L	MW-6B	01/09/2003		0.0097		0.0100
Chromium	mg/L	MW-6D	10/23/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-7	12/30/2002	ND	0.0050		0.0100
Chromium	mg/L	MW-9	01/09/2003		9.6500	*	0.0100
Chromium (vi)	mg/L	MW-11	12/30/2002	ND	0.0010		0.0200
Chromium (vi)	mg/L	MW-14S	12/30/2002		0.0042		0.0200
Chromium (vi)	mg/L	MW-15D	01/08/2003	ND	0.0010		0.0200
Chromium (vi)	mg/L	MW-15S	01/08/2003		0.0042		0.0200
Chromium (vi)	mg/L	MW-16	01/09/2003		0.0043		0.0200
Chromium (vi)	mg/L	MW-1D	01/08/2003	ND	0.0010		0.0200
Chromium (vi)	mg/L	MW-3	01/08/2003	ND	0.0010		0.0200
Chromium (vi)	mg/L	MW-4	12/30/2002		10.2000	*	0.0200
Chromium (vi)	mg/L	MW-4A	01/09/2003		0.0058		0.0200
Chromium (vi)	mg/L	MW-6B	01/09/2003		0.0068		0.0200
Chromium (vi)	mg/L	MW-6D	01/08/2003		0.0018		0.0200
Chromium (vi)	mg/L	MW-7	12/30/2002	ND	0.0010		0.0200
Chromium (vi)	mg/L	MW-9	01/09/2003		9.5000	*	0.0200
Copper	mg/L	MW-11	12/30/2002	ND	0.0100		0.0500
Copper	mg/L	MW-14S	12/30/2002		0.0400		0.0500

* - Current value failed.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, result = detection limit.

Table 2

Most Current Onsite/Downgradient Monitoring Data

Constituent	Units	Location	Date		Result		Pred. Limit
Copper	mg/L	MW-15D	01/08/2003		0.0100		0.0500
Copper	mg/L	MW-15S	01/08/2003	ND	0.0100		0.0500
Copper	mg/L	MW-16	01/09/2003		0.0100		0.0500
Copper	mg/L	MW-1D	01/08/2003		0.0200		0.0500
Copper	mg/L	MW-3	01/08/2003		0.0100		0.0500
Copper	mg/L	MW-4	12/30/2002		0.0200		0.0500
Copper	mg/L	MW-4A	01/09/2003		0.0200		0.0500
Copper	mg/L	MW-6B	01/09/2003	ND	0.0100		0.0500
Copper	mg/L	MW-6D	01/08/2003		0.0100		0.0500
Copper	mg/L	MW-7	12/30/2002	ND	0.0100		0.0500
Copper	mg/L	MW-9	01/09/2003	ND	0.0100		0.0500
Ethylbenzene	ug/l	MW-11	12/30/2002		31.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	12/30/2002		130.0000	*	3.4000
Ethylbenzene	ug/l	MW-15D	01/08/2003		7.7000	*	3.4000
Ethylbenzene	ug/l	MW-15S	01/08/2003		6.0000	*	3.4000
Ethylbenzene	ug/l	MW-16	01/09/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-1D	01/08/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-3	01/08/2003	ND	2.0000		3.4000
Ethylbenzene	ug/l	MW-4	12/30/2002		50.0000	*	3.4000
Ethylbenzene	ug/l	MW-4A	01/09/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-6B	01/09/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-6D	01/08/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-7	12/30/2002	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-9	01/09/2003	ND	5.0000		3.4000
Toluene	ug/l	MW-11	12/30/2002	ND	20.0000		1.0000
Toluene	ug/l	MW-14S	12/30/2002	ND	10.0000		1.0000
Toluene	ug/l	MW-15D	01/08/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-15S	01/08/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-16	01/09/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-1D	01/08/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-3	01/08/2003	ND	2.0000		1.0000
Toluene	ug/l	MW-4	10/23/2002	ND	12.0000		1.0000
Toluene	ug/l	MW-4A	01/09/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-6B	01/09/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-6D	01/08/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-7	12/30/2002	ND	1.0000		1.0000
Toluene	ug/l	MW-9	01/09/2003	ND	5.0000		1.0000
Total xylenes	ug/l	MW-11	12/30/2002	ND	40.0000		5.8000
Total xylenes	ug/l	MW-14S	12/30/2002	ND	110.0000		5.8000
Total xylenes	ug/l	MW-15D	01/08/2003		2.3000		5.8000
Total xylenes	ug/l	MW-15S	01/08/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-16	01/09/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-1D	01/08/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-3	01/08/2003		2.3000		5.8000
Total xylenes	ug/l	MW-4	12/30/2002		79.5000	*	5.8000
Total xylenes	ug/l	MW-4A	01/09/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-6B	01/09/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-6D	01/08/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-7	12/30/2002	ND	2.0000		5.8000
Total xylenes	ug/l	MW-9	01/09/2003	ND	10.0000		5.8000
Trichloroethene	ug/l	MW-11	12/30/2002		550.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	12/30/2002		190.0000	*	23.8802
Trichloroethene	ug/l	MW-15D	01/08/2003		11.0000		23.8802
Trichloroethene	ug/l	MW-15S	01/08/2003		22.0000		23.8802

* - Current value failed.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, result = detection limit.

Table 2

Most Current Onsite/Downgradient Monitoring Data

Constituent	Units	Location	Date		Result		Pred. Limit
Trichloroethene	ug/l	MW-16	01/09/2003		20.0000		23.8802
Trichloroethene	ug/l	MW-1D	01/08/2003		2.2000		23.8802
Trichloroethene	ug/l	MW-3	01/08/2003		250.0000	*	23.8802
Trichloroethene	ug/l	MW-4	12/30/2002		92.0000	*	23.8802
Trichloroethene	ug/l	MW-4A	01/09/2003		42.0000	*	23.8802
Trichloroethene	ug/l	MW-6B	01/09/2003		22.0000		23.8802
Trichloroethene	ug/l	MW-6D	01/08/2003		6.3000		23.8802
Trichloroethene	ug/l	MW-7	12/30/2002		13.0000		23.8802
Trichloroethene	ug/l	MW-9	01/09/2003		390.0000	*	23.8802

* - Current value failed.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, result = detection limit.

Table 3

Detection Frequencies in Background and Onsite/Downgradient Locations

Constituent	Detect	Backgrd N	Proportion	Detect	Onsite N	Proportion
Benzene	0	31	0.000	29	283	0.102
Cadmium	0	31	0.000	41	286	0.143
Chromium	0	30	0.000	89	282	0.316
Chromium (vi)	2	31	0.065	91	286	0.318
Copper	4	31	0.129	56	286	0.196
Ethylbenzene	7	31	0.226	190	286	0.664
Toluene	0	30	0.000	56	276	0.203
Total xylenes	7	31	0.226	142	286	0.497
Trichloroethene	31	31	1.000	285	286	0.997

N = Total number of measurements in all locations.
Detect = Total number of detections in all locations.
Proportion = Detect/N.

Table 4

Shapiro Wilk Test of Normality for Multiple Groups

Constituent	N (Detects)	Detect Freq	G raw	G log	Critical Value	Limit Type
Benzene	0	0.000				nonpar
Cadmium	0	0.000				nonpar
Chromium	0	0.000				nonpar
Chromium (vi)	2	0.065				nonpar
Copper	4	0.129	1.125	1.125	2.326	nonpar
Ethylbenzene	7	0.226	0.825	0.028	2.326	nonpar
Toluene	0	0.000				nonpar
Total xylenes	7	0.226	0.454	0.017	2.326	nonpar
Trichloroethene	31	1.000	0.086	1.709	2.326	normal

Fit to distribution is confirmed if G < critical value.
If detection frequency is < 50% nonparametric or Poisson limit is used

Table 5

Summary Statistics and 95% Confidence Prediction Limits

Constituent	Units	Model Type	N	Detect	Mean	SD	Pred Limit	Conf*
Benzene	ug/l	nonpar	31	0			0.5000	0.66
Cadmium	mg/L	nonpar	31	0			0.0050	0.66
Chromium	mg/L	nonpar	30	0			0.0100	0.65
Chromium (vi)	mg/L	nonpar	31	2			0.0200	0.66
Copper	mg/L	nonpar	31	4			0.0500	0.66
Ethylbenzene	ug/l	nonpar	31	7			3.4000	0.66
Toluene	ug/l	nonpar	30	0			1.0000	0.65
Total xylenes	ug/l	nonpar	31	7			5.8000	0.66
Trichloroethene	ug/l	normal	31	31	9.6258	3.7898	23.8802	

* - Confidence level for passing a single test at all onsite/downgradient locations for a single constituent (nonparametric test only).
Model Type refers to type of prediction limit.
For lognormal limit, mean and sd in natural log units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Benzene	ug/l	MW-15D	10/22/2002		1.2000	*	0.5000
Benzene	ug/l	MW-15D	01/08/2003		1.3000	*	0.5000
Benzene	ug/l	MW-15S	07/01/1994	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	10/01/1994	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	01/01/1995	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	04/01/1995	ND	2.5000		0.5000
Benzene	ug/l	MW-15S	01/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	04/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	07/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	10/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	01/01/1997	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	04/01/1997	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	07/01/1997	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	10/01/1997	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	01/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	04/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	07/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	10/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	01/01/1999	ND	0.5000		0.5000
Benzene	ug/l	MW-15S	04/01/1999	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	07/01/1999	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	10/01/1999	ND	2.0000		0.5000
Benzene	ug/l	MW-15S	01/01/2000	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	04/01/2000	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	10/01/2000	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	04/01/2001	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	07/01/2001	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	10/01/2001	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	01/01/2002	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	04/01/2002	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	07/01/2002	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	10/23/2002	ND	1.0000		0.5000
Benzene	ug/l	MW-15S	01/08/2003		0.5300	*	0.5000
Benzene	ug/l	MW-1D	10/22/2002	ND	1.0000		0.5000
Benzene	ug/l	MW-1D	01/08/2003		0.6700	*	0.5000
Benzene	ug/l	MW-3	07/01/1994	ND	0.5000		0.5000
Benzene	ug/l	MW-3	10/01/1994		1.2000	*	0.5000
Benzene	ug/l	MW-3	01/01/1995	ND	0.5000		0.5000
Benzene	ug/l	MW-3	04/01/1995	ND	0.5000		0.5000
Benzene	ug/l	MW-3	01/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-3	04/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-3	07/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-3	10/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-3	01/01/1997	ND	0.5000		0.5000
Benzene	ug/l	MW-3	04/01/1997	ND	0.5000		0.5000
Benzene	ug/l	MW-3	07/01/1997	ND	0.5000		0.5000
Benzene	ug/l	MW-3	10/01/1997		0.5700	*	0.5000
Benzene	ug/l	MW-3	01/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-3	04/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-3	07/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-3	10/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-3	01/01/1999	ND	0.5000		0.5000

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Benzene	ug/l	MW-3	04/01/1999	ND	1.0000		0.5000
Benzene	ug/l	MW-3	07/01/1999	ND	1.0000		0.5000
Benzene	ug/l	MW-3	10/01/1999	ND	5.0000		0.5000
Benzene	ug/l	MW-3	01/01/2000	ND	2.5000		0.5000
Benzene	ug/l	MW-3	04/01/2000	ND	2.5000		0.5000
Benzene	ug/l	MW-3	10/01/2000	ND	2.5000		0.5000
Benzene	ug/l	MW-3	04/01/2001	ND	2.0000		0.5000
Benzene	ug/l	MW-3	07/01/2001	ND	1.0000		0.5000
Benzene	ug/l	MW-3	10/01/2001	ND	5.0000		0.5000
Benzene	ug/l	MW-3	01/01/2002	ND	2.5000		0.5000
Benzene	ug/l	MW-3	04/01/2002	ND	5.0000		0.5000
Benzene	ug/l	MW-3	07/01/2002	ND	5.0000		0.5000
Benzene	ug/l	MW-3	10/22/2002	ND	10.0000		0.5000
Benzene	ug/l	MW-3	01/08/2003		1.6000	*	0.5000
Benzene	ug/l	MW-4	07/01/1994		0.5800	*	0.5000
Benzene	ug/l	MW-4	10/01/1994	ND	5.0000		0.5000
Benzene	ug/l	MW-4	01/01/1995	ND	5.0000		0.5000
Benzene	ug/l	MW-4	04/01/1995	ND	100.0000		0.5000
Benzene	ug/l	MW-4	01/01/1996	ND	50.0000		0.5000
Benzene	ug/l	MW-4	04/01/1996	ND	25.0000		0.5000
Benzene	ug/l	MW-4	07/01/1996	ND	50.0000		0.5000
Benzene	ug/l	MW-4	10/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-4	01/01/1997	ND	6.2000		0.5000
Benzene	ug/l	MW-4	04/01/1997	ND	12.0000		0.5000
Benzene	ug/l	MW-4	07/01/1997	ND	5.0000		0.5000
Benzene	ug/l	MW-4	10/01/1997	ND	5.0000		0.5000
Benzene	ug/l	MW-4	01/01/1998	ND	5.0000		0.5000
Benzene	ug/l	MW-4	04/01/1998		2.9000	*	0.5000
Benzene	ug/l	MW-4	07/01/1998	ND	12.0000		0.5000
Benzene	ug/l	MW-4	10/01/1998	ND	6.2000		0.5000
Benzene	ug/l	MW-4	01/01/1999	ND	5.0000		0.5000
Benzene	ug/l	MW-4	04/01/1999		3.5000	*	0.5000
Benzene	ug/l	MW-4	07/01/1999	ND	10.0000		0.5000
Benzene	ug/l	MW-4	10/01/1999	ND	5.0000		0.5000
Benzene	ug/l	MW-4	01/01/2000		5.1000	*	0.5000
Benzene	ug/l	MW-4	04/01/2000	ND	5.0000		0.5000
Benzene	ug/l	MW-4	10/01/2000	ND	50.0000		0.5000
Benzene	ug/l	MW-4	04/01/2001	ND	50.0000		0.5000
Benzene	ug/l	MW-4	07/01/2001	ND	50.0000		0.5000
Benzene	ug/l	MW-4	10/01/2001	ND	50.0000		0.5000
Benzene	ug/l	MW-4	01/01/2002	ND	10.0000		0.5000
Benzene	ug/l	MW-4	04/01/2002	ND	50.0000		0.5000
Benzene	ug/l	MW-4	07/01/2002		7.6500	*	0.5000
Benzene	ug/l	MW-4	10/23/2002	ND	12.0000		0.5000
Benzene	ug/l	MW-4	12/30/2002		3.8000	*	0.5000
Cadmium	mg/L	MW-15S	07/01/1994	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	10/01/1994	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	01/01/1995	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	04/01/1995	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	01/01/1996	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	04/01/1996	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	07/01/1996	ND	0.0050		0.0050

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Cadmium	mg/L	MW-15S	10/01/1996	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	01/01/1997	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	04/01/1997	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	07/01/1997	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	10/01/1997	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	01/01/1998	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	04/01/1998	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	07/01/1998	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	10/01/1998	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	01/01/1999	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	04/01/1999	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	07/01/1999	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	10/01/1999	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	01/01/2000		0.0100	*	0.0050
Cadmium	mg/L	MW-15S	04/01/2000	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	10/01/2000	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	04/01/2001	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	07/01/2001	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	10/01/2001	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	01/01/2002	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	04/01/2002	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	07/01/2002	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	10/23/2002	ND	0.0050		0.0050
Cadmium	mg/L	MW-15S	01/08/2003		0.0053	*	0.0050
Cadmium	mg/L	MW-4	07/01/1994		0.2000	*	0.0050
Cadmium	mg/L	MW-4	10/01/1994		0.4500	*	0.0050
Cadmium	mg/L	MW-4	01/01/1995		0.1300	*	0.0050
Cadmium	mg/L	MW-4	04/01/1995		0.2100	*	0.0050
Cadmium	mg/L	MW-4	01/01/1996		0.1900	*	0.0050
Cadmium	mg/L	MW-4	04/01/1996		0.6000	*	0.0050
Cadmium	mg/L	MW-4	07/01/1996		0.2800	*	0.0050
Cadmium	mg/L	MW-4	10/01/1996		0.4600	*	0.0050
Cadmium	mg/L	MW-4	01/01/1997		0.5400	*	0.0050
Cadmium	mg/L	MW-4	04/01/1997		0.5300	*	0.0050
Cadmium	mg/L	MW-4	07/01/1997		0.6200	*	0.0050
Cadmium	mg/L	MW-4	10/01/1997		0.6400	*	0.0050
Cadmium	mg/L	MW-4	01/01/1998		0.5300	*	0.0050
Cadmium	mg/L	MW-4	04/01/1998		0.4300	*	0.0050
Cadmium	mg/L	MW-4	07/01/1998		0.3200	*	0.0050
Cadmium	mg/L	MW-4	10/01/1998		0.4400	*	0.0050
Cadmium	mg/L	MW-4	01/01/1999		0.5800	*	0.0050
Cadmium	mg/L	MW-4	04/01/1999		0.4100	*	0.0050
Cadmium	mg/L	MW-4	07/01/1999		0.4200	*	0.0050
Cadmium	mg/L	MW-4	10/01/1999		0.5900	*	0.0050
Cadmium	mg/L	MW-4	01/01/2000		0.3200	*	0.0050
Cadmium	mg/L	MW-4	04/01/2000		0.5500	*	0.0050
Cadmium	mg/L	MW-4	10/01/2000		0.5200	*	0.0050
Cadmium	mg/L	MW-4	04/01/2001		0.3800	*	0.0050
Cadmium	mg/L	MW-4	07/01/2001		0.3100	*	0.0050
Cadmium	mg/L	MW-4	10/01/2001		0.4200	*	0.0050
Cadmium	mg/L	MW-4	01/01/2002		0.3800	*	0.0050
Cadmium	mg/L	MW-4	04/01/2002		0.4350	*	0.0050

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Cadmium	mg/L	MW-4	07/01/2002		0.4900	*	0.0050
Cadmium	mg/L	MW-4	10/23/2002		0.6150	*	0.0050
Cadmium	mg/L	MW-4	12/30/2002		0.2550	*	0.0050
Chromium	mg/L	MW-4	07/01/1994		41.4000	*	0.0100
Chromium	mg/L	MW-4	10/01/1994	ND	52.8000		0.0100
Chromium	mg/L	MW-4	01/01/1995		34.3000	*	0.0100
Chromium	mg/L	MW-4	04/01/1995		9.1000	*	0.0100
Chromium	mg/L	MW-4	01/01/1996		32.4000	*	0.0100
Chromium	mg/L	MW-4	04/01/1996		38.0000	*	0.0100
Chromium	mg/L	MW-4	07/01/1996		58.9000	*	0.0100
Chromium	mg/L	MW-4	10/01/1996		75.7000	*	0.0100
Chromium	mg/L	MW-4	01/01/1997		34.5000	*	0.0100
Chromium	mg/L	MW-4	04/01/1997		18.8000	*	0.0100
Chromium	mg/L	MW-4	07/01/1997		35.2000	*	0.0100
Chromium	mg/L	MW-4	10/01/1997		85.3000	*	0.0100
Chromium	mg/L	MW-4	01/01/1998		44.0000	*	0.0100
Chromium	mg/L	MW-4	04/01/1998		14.1000	*	0.0100
Chromium	mg/L	MW-4	07/01/1998		18.9000	*	0.0100
Chromium	mg/L	MW-4	10/01/1998		36.2000	*	0.0100
Chromium	mg/L	MW-4	01/01/1999		85.2000	*	0.0100
Chromium	mg/L	MW-4	04/01/1999		42.8000	*	0.0100
Chromium	mg/L	MW-4	07/01/1999		49.7000	*	0.0100
Chromium	mg/L	MW-4	10/01/1999		105.0000	*	0.0100
Chromium	mg/L	MW-4	01/01/2000		60.0000	*	0.0100
Chromium	mg/L	MW-4	04/01/2000		39.3000	*	0.0100
Chromium	mg/L	MW-4	10/01/2000		42.1000	*	0.0100
Chromium	mg/L	MW-4	04/01/2001		16.8000	*	0.0100
Chromium	mg/L	MW-4	07/01/2001		24.5000	*	0.0100
Chromium	mg/L	MW-4	10/01/2001		34.3500	*	0.0100
Chromium	mg/L	MW-4	01/01/2002		21.6500	*	0.0100
Chromium	mg/L	MW-4	04/01/2002		26.8500	*	0.0100
Chromium	mg/L	MW-4	07/01/2002		31.2500	*	0.0100
Chromium	mg/L	MW-4	10/23/2002		29.8000	*	0.0100
Chromium	mg/L	MW-4	12/30/2002		9.3000	*	0.0100
Chromium	mg/L	MW-9	07/01/1994	ND	0.0100		0.0100
Chromium	mg/L	MW-9	10/01/1994	ND	0.0100		0.0100
Chromium	mg/L	MW-9	01/01/1995	ND	0.0100		0.0100
Chromium	mg/L	MW-9	04/01/1995	ND	0.0100		0.0100
Chromium	mg/L	MW-9	01/01/1996	ND	0.0100		0.0100
Chromium	mg/L	MW-9	04/01/1996	ND	0.0100		0.0100
Chromium	mg/L	MW-9	07/01/1996	ND	0.0100		0.0100
Chromium	mg/L	MW-9	10/01/1996	ND	0.0100		0.0100
Chromium	mg/L	MW-9	01/01/1997	ND	0.0100		0.0100
Chromium	mg/L	MW-9	04/01/1997	ND	0.0100		0.0100
Chromium	mg/L	MW-9	07/01/1997	ND	0.0100		0.0100
Chromium	mg/L	MW-9	10/01/1997		0.0400	*	0.0100
Chromium	mg/L	MW-9	01/01/1998	ND	0.0100		0.0100
Chromium	mg/L	MW-9	04/01/1998	ND	0.0100		0.0100
Chromium	mg/L	MW-9	07/01/1998	ND	0.0100		0.0100
Chromium	mg/L	MW-9	10/01/1998		1.3000	*	0.0100
Chromium	mg/L	MW-9	01/01/1999	ND	0.0100		0.0100
Chromium	mg/L	MW-9	04/01/1999		0.6400	*	0.0100

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Chromium	mg/L	MW-9	07/01/1999		0.6400	*	0.0100
Chromium	mg/L	MW-9	10/01/1999		4.2000	*	0.0100
Chromium	mg/L	MW-9	01/01/2000		13.9000	*	0.0100
Chromium	mg/L	MW-9	04/01/2000	ND	0.0100		0.0100
Chromium	mg/L	MW-9	10/01/2000		0.0100		0.0100
Chromium	mg/L	MW-9	04/01/2001		0.0100		0.0100
Chromium	mg/L	MW-9	07/01/2001		0.0800	*	0.0100
Chromium	mg/L	MW-9	10/01/2001		1.3500	*	0.0100
Chromium	mg/L	MW-9	01/01/2002		0.1550	*	0.0100
Chromium	mg/L	MW-9	04/01/2002		0.1550	*	0.0100
Chromium	mg/L	MW-9	07/01/2002		9.2000	*	0.0100
Chromium	mg/L	MW-9	10/24/2002		4.6500	*	0.0100
Chromium	mg/L	MW-9	01/09/2003		9.6500	*	0.0100
Chromium (vi)	mg/L	MW-4	07/01/1994		59.0000	*	0.0200
Chromium (vi)	mg/L	MW-4	10/01/1994		60.7000	*	0.0200
Chromium (vi)	mg/L	MW-4	01/01/1995		28.8000	*	0.0200
Chromium (vi)	mg/L	MW-4	04/01/1995		8.6000	*	0.0200
Chromium (vi)	mg/L	MW-4	01/01/1996		25.7000	*	0.0200
Chromium (vi)	mg/L	MW-4	04/01/1996		28.4000	*	0.0200
Chromium (vi)	mg/L	MW-4	07/01/1996		50.0000	*	0.0200
Chromium (vi)	mg/L	MW-4	10/01/1996		63.8000	*	0.0200
Chromium (vi)	mg/L	MW-4	01/01/1997		45.9000	*	0.0200
Chromium (vi)	mg/L	MW-4	04/01/1997		27.3000	*	0.0200
Chromium (vi)	mg/L	MW-4	07/01/1997		36.0000	*	0.0200
Chromium (vi)	mg/L	MW-4	10/01/1997		73.8000	*	0.0200
Chromium (vi)	mg/L	MW-4	01/01/1998		39.2000	*	0.0200
Chromium (vi)	mg/L	MW-4	04/01/1998		7.2000	*	0.0200
Chromium (vi)	mg/L	MW-4	07/01/1998		16.3000	*	0.0200
Chromium (vi)	mg/L	MW-4	10/01/1998		34.1000	*	0.0200
Chromium (vi)	mg/L	MW-4	01/01/1999		78.6000	*	0.0200
Chromium (vi)	mg/L	MW-4	04/01/1999		0.5700	*	0.0200
Chromium (vi)	mg/L	MW-4	07/01/1999		41.1000	*	0.0200
Chromium (vi)	mg/L	MW-4	10/01/1999		58.2000	*	0.0200
Chromium (vi)	mg/L	MW-4	01/01/2000		76.3000	*	0.0200
Chromium (vi)	mg/L	MW-4	04/01/2000		32.9000	*	0.0200
Chromium (vi)	mg/L	MW-4	10/01/2000		45.6000	*	0.0200
Chromium (vi)	mg/L	MW-4	04/01/2001		11.0000	*	0.0200
Chromium (vi)	mg/L	MW-4	07/01/2001		14.5000	*	0.0200
Chromium (vi)	mg/L	MW-4	10/01/2001		32.5000	*	0.0200
Chromium (vi)	mg/L	MW-4	01/01/2002		18.0000	*	0.0200
Chromium (vi)	mg/L	MW-4	04/01/2002		31.0000	*	0.0200
Chromium (vi)	mg/L	MW-4	07/01/2002		27.8000	*	0.0200
Chromium (vi)	mg/L	MW-4	10/23/2002		31.4500	*	0.0200
Chromium (vi)	mg/L	MW-4	12/30/2002		10.2000	*	0.0200
Chromium (vi)	mg/L	MW-9	07/01/1994	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	10/01/1994	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	01/01/1995	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	04/01/1995	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	01/01/1996	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	04/01/1996	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	07/01/1996	ND	0.0100		0.0200
Chromium (vi)	mg/L	MW-9	10/01/1996	ND	0.0100		0.0200

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Chromium (vi)	mg/L	MW-9	01/01/1997	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	04/01/1997	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	07/01/1997	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	10/01/1997	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	01/01/1998	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	04/01/1998	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	07/01/1998	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	10/01/1998		3.3000	*	0.0200
Chromium (vi)	mg/L	MW-9	01/01/1999		3.3000	*	0.0200
Chromium (vi)	mg/L	MW-9	04/01/1999	ND	0.0100		0.0200
Chromium (vi)	mg/L	MW-9	07/01/1999		5.8000	*	0.0200
Chromium (vi)	mg/L	MW-9	10/01/1999		4.0000	*	0.0200
Chromium (vi)	mg/L	MW-9	01/01/2000		14.1000	*	0.0200
Chromium (vi)	mg/L	MW-9	04/01/2000	ND	0.0100		0.0200
Chromium (vi)	mg/L	MW-9	10/01/2000	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	04/01/2001		0.0043		0.0200
Chromium (vi)	mg/L	MW-9	07/01/2001		0.0800	*	0.0200
Chromium (vi)	mg/L	MW-9	10/01/2001		1.1000	*	0.0200
Chromium (vi)	mg/L	MW-9	01/01/2002		0.2550	*	0.0200
Chromium (vi)	mg/L	MW-9	04/01/2002		0.1400	*	0.0200
Chromium (vi)	mg/L	MW-9	07/01/2002		10.1000	*	0.0200
Chromium (vi)	mg/L	MW-9	10/24/2002		4.3500	*	0.0200
Chromium (vi)	mg/L	MW-9	01/09/2003		9.5000	*	0.0200
Ethylbenzene	ug/l	MW-11	07/01/1994	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-11	10/01/1994		4.5000	*	3.4000
Ethylbenzene	ug/l	MW-11	01/01/1995		850.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	04/01/1995		1900.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	01/01/1996		460.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	04/01/1996		1100.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	07/01/1996		460.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	10/01/1996		20.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	01/01/1997		84.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	04/01/1997		120.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	07/01/1997		8.3000	*	3.4000
Ethylbenzene	ug/l	MW-11	10/01/1997	ND	5.0000		3.4000
Ethylbenzene	ug/l	MW-11	01/01/1998		1800.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	04/01/1998		150.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	07/01/1998		41.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	10/01/1998	ND	10.0000		3.4000
Ethylbenzene	ug/l	MW-11	01/01/1999		750.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	04/01/1999		1600.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	07/01/1999		85.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	10/01/1999		480.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	01/01/2000	ND	12.0000		3.4000
Ethylbenzene	ug/l	MW-11	04/01/2000		55.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	10/01/2000	ND	50.0000		3.4000
Ethylbenzene	ug/l	MW-11	04/01/2001		48.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	07/01/2001	ND	5.0000		3.4000
Ethylbenzene	ug/l	MW-11	10/01/2001		90.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	01/01/2002		1900.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	04/01/2002		300.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	07/01/2002	ND	50.0000		3.4000

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Ethylbenzene	ug/l	MW-11	10/24/2002		390.0000	*	3.4000
Ethylbenzene	ug/l	MW-11	12/30/2002		31.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	07/01/1994	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-14S	10/01/1994	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-14S	04/01/1995		120.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	01/01/1996		87.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	04/01/1996		120.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	07/01/1996		20.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	10/01/1996		13.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	01/01/1997		470.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	04/01/1997		91.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	07/01/1997		14.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	10/01/1997		20.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	01/01/1998		19.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	04/01/1998		1500.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	07/01/1998		18.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	10/01/1998		120.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	01/01/1999		77.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	04/01/1999		820.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	07/01/1999		3000.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	10/01/1999		120.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	01/01/2000	ND	5.0000		3.4000
Ethylbenzene	ug/l	MW-14S	04/01/2000		110.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	10/01/2000		230.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	04/01/2001		8.6000	*	3.4000
Ethylbenzene	ug/l	MW-14S	07/01/2001	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-14S	10/01/2001		2.4000		3.4000
Ethylbenzene	ug/l	MW-14S	01/01/2002		2700.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	04/01/2002	ND	2.0000		3.4000
Ethylbenzene	ug/l	MW-14S	07/01/2002		860.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	10/23/2002		14.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	12/30/2002		130.0000	*	3.4000
Ethylbenzene	ug/l	MW-15D	10/22/2002		3.8000	*	3.4000
Ethylbenzene	ug/l	MW-15D	01/08/2003		7.7000	*	3.4000
Ethylbenzene	ug/l	MW-15S	07/01/1994	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	10/01/1994	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	01/01/1995		64.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	04/01/1995		82.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	01/01/1996		25.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	04/01/1996		40.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	07/01/1996		9.7000	*	3.4000
Ethylbenzene	ug/l	MW-15S	10/01/1996		2.9000		3.4000
Ethylbenzene	ug/l	MW-15S	01/01/1997		69.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	04/01/1997		21.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	07/01/1997		8.2000	*	3.4000
Ethylbenzene	ug/l	MW-15S	10/01/1997		17.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	01/01/1998		12.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	04/01/1998		60.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	07/01/1998		9.8000	*	3.4000
Ethylbenzene	ug/l	MW-15S	10/01/1998		45.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	01/01/1999		19.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	04/01/1999		23.0000	*	3.4000

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Ethylbenzene	ug/l	MW-15S	07/01/1999		29.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	10/01/1999		12.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	01/01/2000		9.3000	*	3.4000
Ethylbenzene	ug/l	MW-15S	04/01/2000	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	10/01/2000		17.0000	*	3.4000
Ethylbenzene	ug/l	MW-15S	04/01/2001	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	07/01/2001	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	10/01/2001	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	01/01/2002	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	04/01/2002	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	07/01/2002	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	10/23/2002	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	01/08/2003		6.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	07/01/1994	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-4	10/01/1994		270.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	01/01/1995		350.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	04/01/1995		1700.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	01/01/1996		2100.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	04/01/1996		1300.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	07/01/1996		1000.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	10/01/1996		1100.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	01/01/1997		1100.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	04/01/1997		1300.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	07/01/1997		810.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	10/01/1997		460.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	01/01/1998		530.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	04/01/1998		320.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	07/01/1998		1200.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	10/01/1998		740.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	01/01/1999		520.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	04/01/1999		220.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	07/01/1999		670.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	10/01/1999		92.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	01/01/2000	ND	2.5000		3.4000
Ethylbenzene	ug/l	MW-4	04/01/2000		46.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	10/01/2000		2500.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	04/01/2001		3100.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	07/01/2001		2400.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	10/01/2001		3250.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	01/01/2002		700.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	04/01/2002		2050.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	07/01/2002		210.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	10/23/2002		850.0000	*	3.4000
Ethylbenzene	ug/l	MW-4	12/30/2002		50.0000	*	3.4000
Total xylenes	ug/l	MW-4	07/01/1994		4.2000		5.8000
Total xylenes	ug/l	MW-4	10/01/1994		39.0000	*	5.8000
Total xylenes	ug/l	MW-4	01/01/1995		130.0000	*	5.8000
Total xylenes	ug/l	MW-4	04/01/1995		2900.0000	*	5.8000
Total xylenes	ug/l	MW-4	01/01/1996		1400.0000	*	5.8000
Total xylenes	ug/l	MW-4	04/01/1996		1400.0000	*	5.8000
Total xylenes	ug/l	MW-4	07/01/1996		270.0000	*	5.8000
Total xylenes	ug/l	MW-4	10/01/1996		1900.0000	*	5.8000

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Total xylenes	ug/l	MW-4	01/01/1997	ND	12.0000		5.8000
Total xylenes	ug/l	MW-4	04/01/1997		620.0000	*	5.8000
Total xylenes	ug/l	MW-4	07/01/1997		110.0000	*	5.8000
Total xylenes	ug/l	MW-4	10/01/1997		31.0000	*	5.8000
Total xylenes	ug/l	MW-4	01/01/1998		420.0000	*	5.8000
Total xylenes	ug/l	MW-4	04/01/1998	ND	5.0000		5.8000
Total xylenes	ug/l	MW-4	07/01/1998		300.0000	*	5.8000
Total xylenes	ug/l	MW-4	10/01/1998		240.0000	*	5.8000
Total xylenes	ug/l	MW-4	01/01/1999		31.0000	*	5.8000
Total xylenes	ug/l	MW-4	04/01/1999		9.9000	*	5.8000
Total xylenes	ug/l	MW-4	07/01/1999		67.0000	*	5.8000
Total xylenes	ug/l	MW-4	10/01/1999		11.0000	*	5.8000
Total xylenes	ug/l	MW-4	01/01/2000		6.0000	*	5.8000
Total xylenes	ug/l	MW-4	04/01/2000		8.6000	*	5.8000
Total xylenes	ug/l	MW-4	10/01/2000	ND	50.0000		5.8000
Total xylenes	ug/l	MW-4	04/01/2001		830.0000	*	5.8000
Total xylenes	ug/l	MW-4	07/01/2001	ND	50.0000		5.8000
Total xylenes	ug/l	MW-4	10/01/2001	ND	50.0000		5.8000
Total xylenes	ug/l	MW-4	01/01/2002	ND	10.0000		5.8000
Total xylenes	ug/l	MW-4	04/01/2002		165.0000	*	5.8000
Total xylenes	ug/l	MW-4	07/01/2002		322.5000	*	5.8000
Total xylenes	ug/l	MW-4	10/23/2002		1705.0000	*	5.8000
Total xylenes	ug/l	MW-4	12/30/2002		79.5000	*	5.8000
Trichloroethene	ug/l	MW-11	07/01/1994		180.0000	*	23.8802
Trichloroethene	ug/l	MW-11	10/01/1994		360.0000	*	23.8802
Trichloroethene	ug/l	MW-11	01/01/1995		660.0000	*	23.8802
Trichloroethene	ug/l	MW-11	04/01/1995		74.0000	*	23.8802
Trichloroethene	ug/l	MW-11	01/01/1996		620.0000	*	23.8802
Trichloroethene	ug/l	MW-11	04/01/1996		240.0000	*	23.8802
Trichloroethene	ug/l	MW-11	07/01/1996		220.0000	*	23.8802
Trichloroethene	ug/l	MW-11	10/01/1996		250.0000	*	23.8802
Trichloroethene	ug/l	MW-11	01/01/1997		160.0000	*	23.8802
Trichloroethene	ug/l	MW-11	04/01/1997		370.0000	*	23.8802
Trichloroethene	ug/l	MW-11	07/01/1997		240.0000	*	23.8802
Trichloroethene	ug/l	MW-11	10/01/1997		350.0000	*	23.8802
Trichloroethene	ug/l	MW-11	01/01/1998		390.0000	*	23.8802
Trichloroethene	ug/l	MW-11	04/01/1998		180.0000	*	23.8802
Trichloroethene	ug/l	MW-11	07/01/1998		150.0000	*	23.8802
Trichloroethene	ug/l	MW-11	10/01/1998		430.0000	*	23.8802
Trichloroethene	ug/l	MW-11	01/01/1999		690.0000	*	23.8802
Trichloroethene	ug/l	MW-11	04/01/1999		480.0000	*	23.8802
Trichloroethene	ug/l	MW-11	07/01/1999		740.0000	*	23.8802
Trichloroethene	ug/l	MW-11	10/01/1999		650.0000	*	23.8802
Trichloroethene	ug/l	MW-11	01/01/2000		820.0000	*	23.8802
Trichloroethene	ug/l	MW-11	04/01/2000		1100.0000	*	23.8802
Trichloroethene	ug/l	MW-11	10/01/2000		2900.0000	*	23.8802
Trichloroethene	ug/l	MW-11	04/01/2001		1700.0000	*	23.8802
Trichloroethene	ug/l	MW-11	07/01/2001		400.0000	*	23.8802
Trichloroethene	ug/l	MW-11	10/01/2001		1500.0000	*	23.8802
Trichloroethene	ug/l	MW-11	01/01/2002		630.0000	*	23.8802
Trichloroethene	ug/l	MW-11	04/01/2002		1300.0000	*	23.8802
Trichloroethene	ug/l	MW-11	07/01/2002		1500.0000	*	23.8802

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Trichloroethene	ug/l	MW-11	10/24/2002		700.0000	*	23.8802
Trichloroethene	ug/l	MW-11	12/30/2002		550.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	07/01/1994		15.0000		23.8802
Trichloroethene	ug/l	MW-14S	10/01/1994		58.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	04/01/1995		20.0000		23.8802
Trichloroethene	ug/l	MW-14S	01/01/1996		42.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	04/01/1996		51.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	07/01/1996		37.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	10/01/1996		61.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	01/01/1997		90.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	04/01/1997		45.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	07/01/1997		35.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	10/01/1997		57.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	01/01/1998		50.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	04/01/1998		38.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	07/01/1998		18.0000		23.8802
Trichloroethene	ug/l	MW-14S	10/01/1998		62.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	01/01/1999		98.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	04/01/1999		84.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	07/01/1999		74.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	10/01/1999		180.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	01/01/2000		230.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	04/01/2000		60.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	10/01/2000		170.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	04/01/2001		130.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	07/01/2001		35.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	10/01/2001		170.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	01/01/2002		91.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	04/01/2002		130.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	07/01/2002		150.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	10/23/2002		360.0000	*	23.8802
Trichloroethene	ug/l	MW-14S	12/30/2002		190.0000	*	23.8802
Trichloroethene	ug/l	MW-3	07/01/1994		26.0000	*	23.8802
Trichloroethene	ug/l	MW-3	10/01/1994		76.0000	*	23.8802
Trichloroethene	ug/l	MW-3	01/01/1995		72.0000	*	23.8802
Trichloroethene	ug/l	MW-3	04/01/1995		57.0000	*	23.8802
Trichloroethene	ug/l	MW-3	01/01/1996		26.0000	*	23.8802
Trichloroethene	ug/l	MW-3	04/01/1996		46.0000	*	23.8802
Trichloroethene	ug/l	MW-3	07/01/1996		17.0000		23.8802
Trichloroethene	ug/l	MW-3	10/01/1996		21.0000		23.8802
Trichloroethene	ug/l	MW-3	01/01/1997		28.0000	*	23.8802
Trichloroethene	ug/l	MW-3	04/01/1997		13.0000		23.8802
Trichloroethene	ug/l	MW-3	07/01/1997		13.0000		23.8802
Trichloroethene	ug/l	MW-3	10/01/1997		24.0000	*	23.8802
Trichloroethene	ug/l	MW-3	01/01/1998		25.0000	*	23.8802
Trichloroethene	ug/l	MW-3	04/01/1998		18.0000		23.8802
Trichloroethene	ug/l	MW-3	07/01/1998		25.0000	*	23.8802
Trichloroethene	ug/l	MW-3	10/01/1998		24.0000	*	23.8802
Trichloroethene	ug/l	MW-3	01/01/1999		26.0000	*	23.8802
Trichloroethene	ug/l	MW-3	04/01/1999		21.0000		23.8802
Trichloroethene	ug/l	MW-3	07/01/1999		43.0000	*	23.8802
Trichloroethene	ug/l	MW-3	10/01/1999		170.0000	*	23.8802

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Trichloroethene	ug/l	MW-3	01/01/2000		170.0000	*	23.8802
Trichloroethene	ug/l	MW-3	04/01/2000		170.0000	*	23.8802
Trichloroethene	ug/l	MW-3	10/01/2000	ND	2.5000		23.8802
Trichloroethene	ug/l	MW-3	04/01/2001		150.0000	*	23.8802
Trichloroethene	ug/l	MW-3	07/01/2001		41.0000	*	23.8802
Trichloroethene	ug/l	MW-3	10/01/2001		290.0000	*	23.8802
Trichloroethene	ug/l	MW-3	01/01/2002		220.0000	*	23.8802
Trichloroethene	ug/l	MW-3	04/01/2002		280.0000	*	23.8802
Trichloroethene	ug/l	MW-3	07/01/2002		260.0000	*	23.8802
Trichloroethene	ug/l	MW-3	10/22/2002		190.0000	*	23.8802
Trichloroethene	ug/l	MW-3	01/08/2003		250.0000	*	23.8802
Trichloroethene	ug/l	MW-4	07/01/1994		340.0000	*	23.8802
Trichloroethene	ug/l	MW-4	10/01/1994		390.0000	*	23.8802
Trichloroethene	ug/l	MW-4	01/01/1995		190.0000	*	23.8802
Trichloroethene	ug/l	MW-4	04/01/1995		67.0000	*	23.8802
Trichloroethene	ug/l	MW-4	01/01/1996		160.0000	*	23.8802
Trichloroethene	ug/l	MW-4	04/01/1996		130.0000	*	23.8802
Trichloroethene	ug/l	MW-4	07/01/1996		140.0000	*	23.8802
Trichloroethene	ug/l	MW-4	10/01/1996		310.0000	*	23.8802
Trichloroethene	ug/l	MW-4	01/01/1997		330.0000	*	23.8802
Trichloroethene	ug/l	MW-4	04/01/1997		150.0000	*	23.8802
Trichloroethene	ug/l	MW-4	07/01/1997		150.0000	*	23.8802
Trichloroethene	ug/l	MW-4	10/01/1997		230.0000	*	23.8802
Trichloroethene	ug/l	MW-4	01/01/1998		180.0000	*	23.8802
Trichloroethene	ug/l	MW-4	04/01/1998		92.0000	*	23.8802
Trichloroethene	ug/l	MW-4	07/01/1998		120.0000	*	23.8802
Trichloroethene	ug/l	MW-4	10/01/1998		120.0000	*	23.8802
Trichloroethene	ug/l	MW-4	01/01/1999		260.0000	*	23.8802
Trichloroethene	ug/l	MW-4	04/01/1999		190.0000	*	23.8802
Trichloroethene	ug/l	MW-4	07/01/1999		140.0000	*	23.8802
Trichloroethene	ug/l	MW-4	10/01/1999		210.0000	*	23.8802
Trichloroethene	ug/l	MW-4	01/01/2000		160.0000	*	23.8802
Trichloroethene	ug/l	MW-4	04/01/2000		240.0000	*	23.8802
Trichloroethene	ug/l	MW-4	10/01/2000		170.0000	*	23.8802
Trichloroethene	ug/l	MW-4	04/01/2001		150.0000	*	23.8802
Trichloroethene	ug/l	MW-4	07/01/2001		75.0000	*	23.8802
Trichloroethene	ug/l	MW-4	10/01/2001		195.0000	*	23.8802
Trichloroethene	ug/l	MW-4	01/01/2002		135.0000	*	23.8802
Trichloroethene	ug/l	MW-4	04/01/2002		260.0000	*	23.8802
Trichloroethene	ug/l	MW-4	07/01/2002		210.0000	*	23.8802
Trichloroethene	ug/l	MW-4	10/23/2002		135.0000	*	23.8802
Trichloroethene	ug/l	MW-4	12/30/2002		92.0000	*	23.8802
Trichloroethene	ug/l	MW-4A	10/23/2002		36.0000	*	23.8802
Trichloroethene	ug/l	MW-4A	01/09/2003		42.0000	*	23.8802
Trichloroethene	ug/l	MW-9	07/01/1994		200.0000	*	23.8802
Trichloroethene	ug/l	MW-9	10/01/1994		350.0000	*	23.8802
Trichloroethene	ug/l	MW-9	01/01/1995		310.0000	*	23.8802
Trichloroethene	ug/l	MW-9	04/01/1995		670.0000	*	23.8802
Trichloroethene	ug/l	MW-9	01/01/1996		500.0000	*	23.8802
Trichloroethene	ug/l	MW-9	04/01/1996		580.0000	*	23.8802
Trichloroethene	ug/l	MW-9	07/01/1996		570.0000	*	23.8802
Trichloroethene	ug/l	MW-9	10/01/1996		470.0000	*	23.8802

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Onsite/Downgradient Data for Constituent-Location Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Location	Date		Result		Pred. Limit
Trichloroethene	ug/l	MW-9	01/01/1997		400.0000	*	23.8802
Trichloroethene	ug/l	MW-9	04/01/1997		770.0000	*	23.8802
Trichloroethene	ug/l	MW-9	07/01/1997		850.0000	*	23.8802
Trichloroethene	ug/l	MW-9	10/01/1997		600.0000	*	23.8802
Trichloroethene	ug/l	MW-9	01/01/1998		270.0000	*	23.8802
Trichloroethene	ug/l	MW-9	04/01/1998		390.0000	*	23.8802
Trichloroethene	ug/l	MW-9	07/01/1998		1300.0000	*	23.8802
Trichloroethene	ug/l	MW-9	10/01/1998		1200.0000	*	23.8802
Trichloroethene	ug/l	MW-9	01/01/1999		550.0000	*	23.8802
Trichloroethene	ug/l	MW-9	04/01/1999		350.0000	*	23.8802
Trichloroethene	ug/l	MW-9	07/01/1999		810.0000	*	23.8802
Trichloroethene	ug/l	MW-9	10/01/1999		280.0000	*	23.8802
Trichloroethene	ug/l	MW-9	01/01/2000		170.0000	*	23.8802
Trichloroethene	ug/l	MW-9	04/01/2000		370.0000	*	23.8802
Trichloroethene	ug/l	MW-9	10/01/2000		160.0000	*	23.8802
Trichloroethene	ug/l	MW-9	04/01/2001		200.0000	*	23.8802
Trichloroethene	ug/l	MW-9	07/01/2001		120.0000	*	23.8802
Trichloroethene	ug/l	MW-9	10/01/2001		390.0000	*	23.8802
Trichloroethene	ug/l	MW-9	01/01/2002		200.0000	*	23.8802
Trichloroethene	ug/l	MW-9	04/01/2002		165.0000	*	23.8802
Trichloroethene	ug/l	MW-9	07/01/2002		525.0000	*	23.8802
Trichloroethene	ug/l	MW-9	10/24/2002		585.0000	*	23.8802
Trichloroethene	ug/l	MW-9	01/09/2003		390.0000	*	23.8802

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Appendix F-2
Prediction Limit Calculation Sheets

CDM

Worksheet 1 - Comparison to Background
Benzene (ug/l)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **0.5**	Compute nonparametric prediction limit as median reporting limit in background.
2	K = **13**	Number of comparisons.
3	N = **31**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.662**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background
Cadmium (mg/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **0.005**	Compute nonparametric prediction limit as median reporting limit in background.
2	K = **13**	Number of comparisons.
3	N = **31**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.662**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background
Chromium (mg/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **0.01**	Compute nonparametric prediction limit as median reporting limit in background.
2	K = **13**	Number of comparisons.
3	N = **30**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.653**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background
Chromium (vi) (mg/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **0.02**	Compute nonparametric prediction limit as largest background measurement.
2	K = **13**	Number of comparisons.
3	N = **31**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.662**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background
Copper (mg/L)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **0.05**	Compute nonparametric prediction limit as largest background measurement.
2	K = **13**	Number of comparisons.
3	N = **31**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.662**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background
Ethylbenzene (ug/l)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **3.4**	Compute nonparametric prediction limit as largest background measurement.
2	K = **13**	Number of comparisons.
3	N = **31**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.662**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background
Toluene (ug/l)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = median(X) = **1.0**	Compute nonparametric prediction limit as median reporting limit in background.
2	K = **13**	Number of comparisons.
3	N = **30**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.653**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background
Total xylenes (ug/l)
Nonparametric Prediction Limit

Step	Equation	Description
1	PL = max(X) = **5.8**	Compute nonparametric prediction limit as largest background measurement.
2	K = **13**	Number of comparisons.
3	N = **31**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.662**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

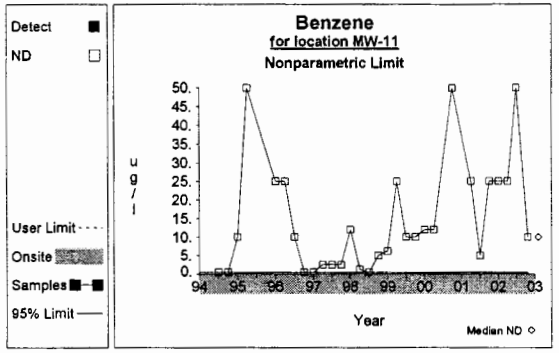
Worksheet 1 - Comparison to Background
Trichloroethene (ug/l)
Normal Prediction Limit

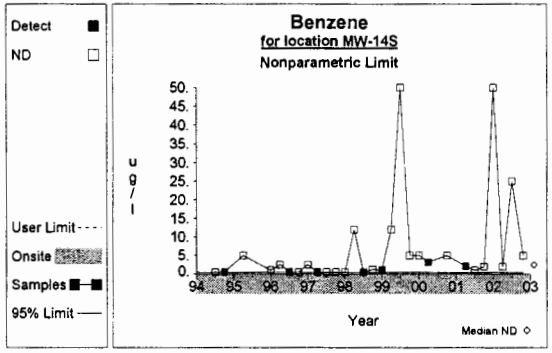
Step	Equation	Description
1	$\bar{X}$ = **sum[X] / N** = **298.4 / 31** = **9.626**	Compute background mean.
2	S = ((**sum[X^2] - sum[X]^2/N**) / (**N-1**))$^{1/2}$ = ((**3303.22 - 89042.56/31**) / (**31-1**))$^{1/2}$ = **3.79**	Compute background sd.
3	alpha = (**1-conf**)/**K** = (1-**.95**)/**117** = **4.274 x 10^{-4}**	Adjusted per comparison false positive rate. Pass initial (no resampling).
4	PL = $\bar{X}$ + **tS**(1+1/**N**)$^{1/2}$ = **9.626** + (**3.702*3.79**)(1+1/**31**)$^{1/2}$ = **23.88**	One-sided normal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level).

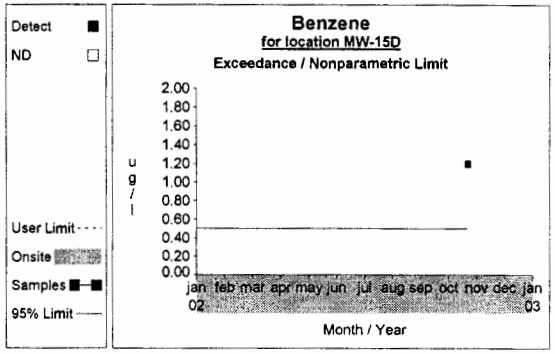
Appendix F-3
Control Charts

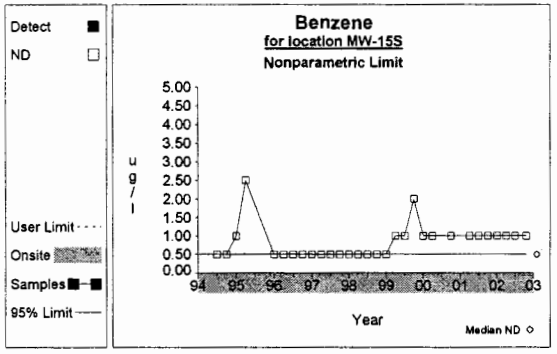
CDM

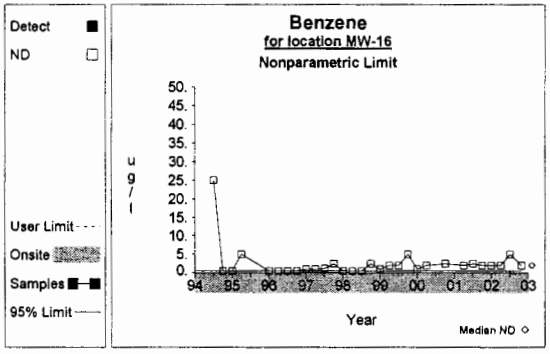
Comparison to Background

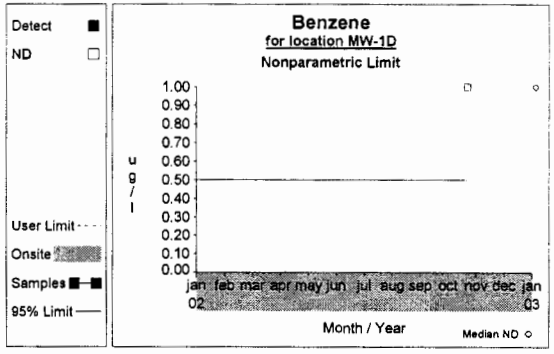


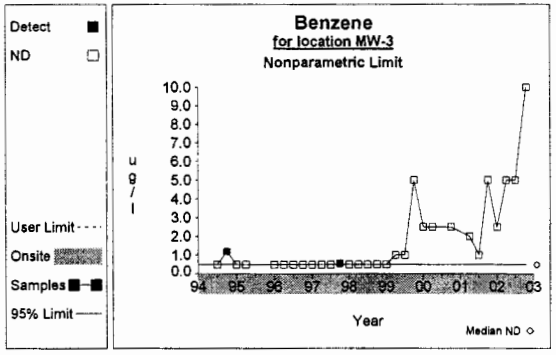


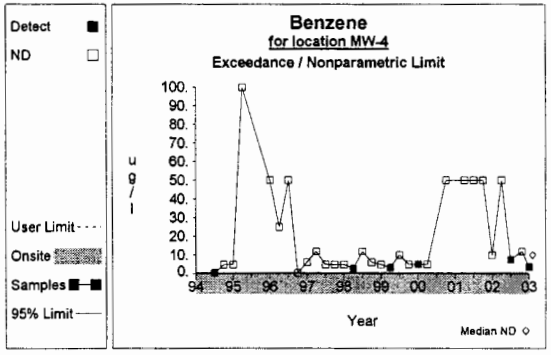


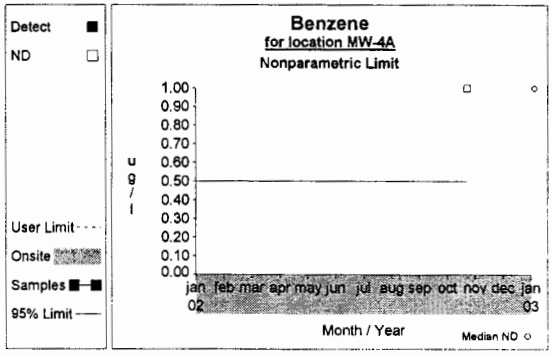




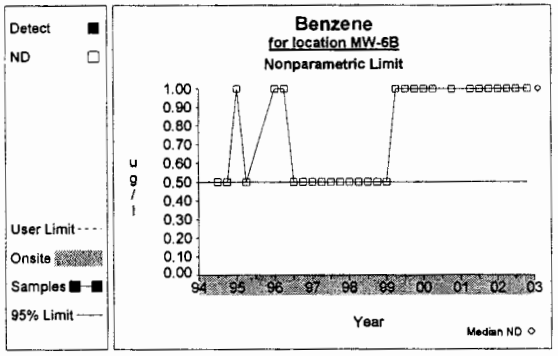


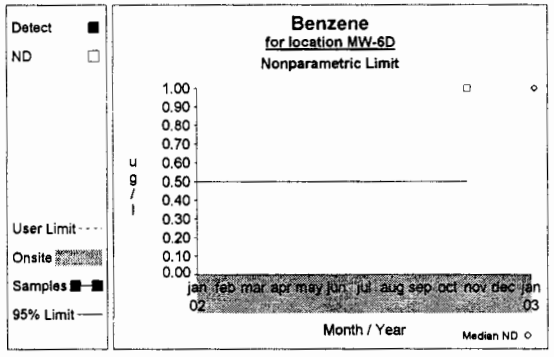


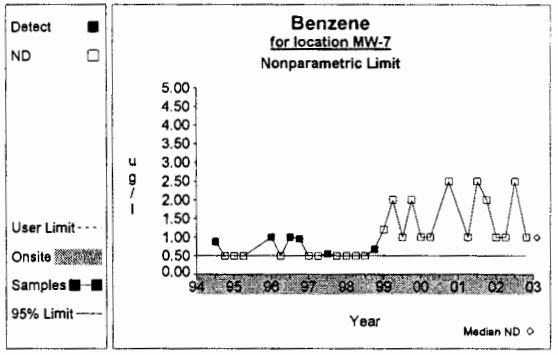


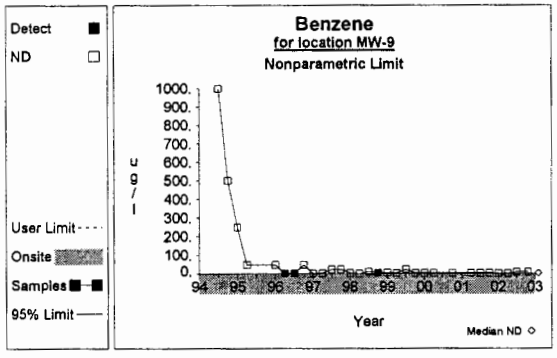


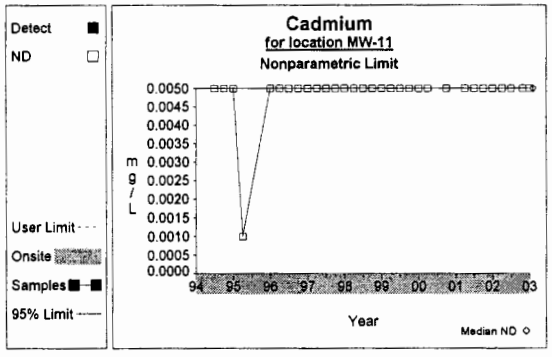
Comparison to Background

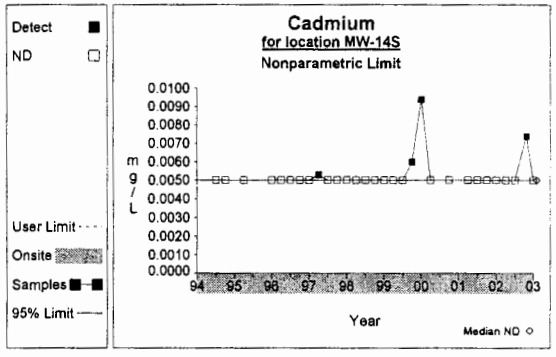


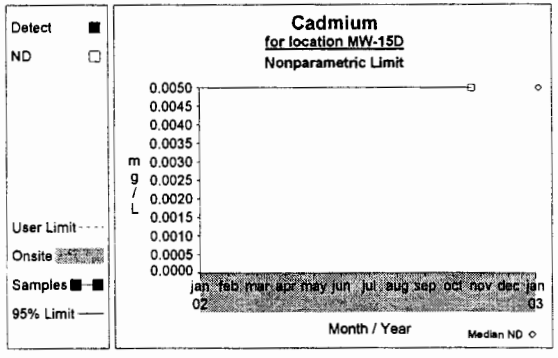


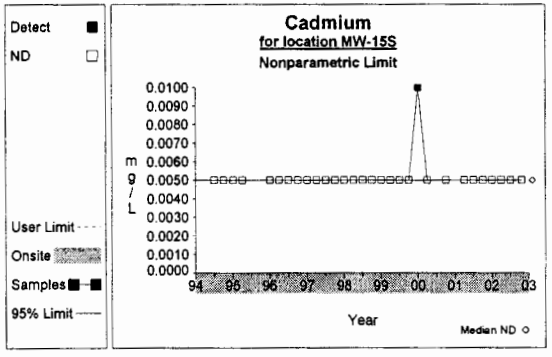


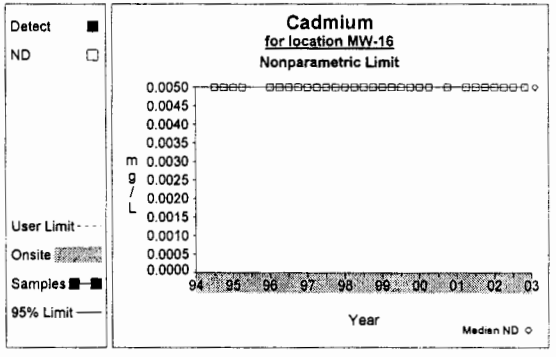












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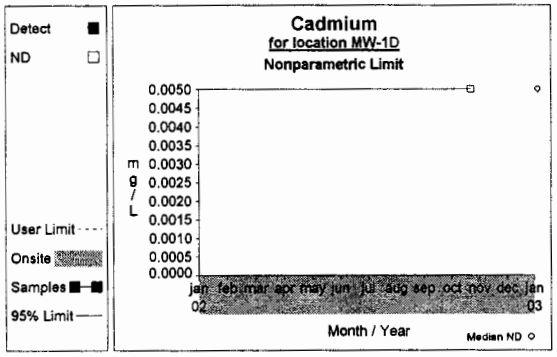

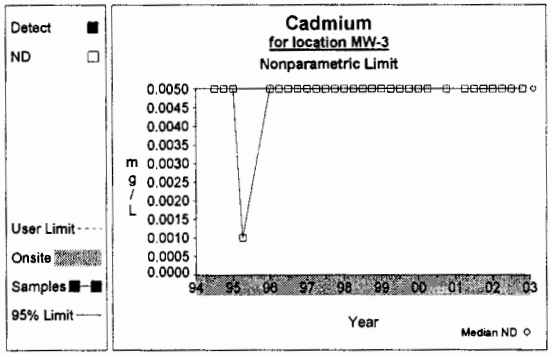

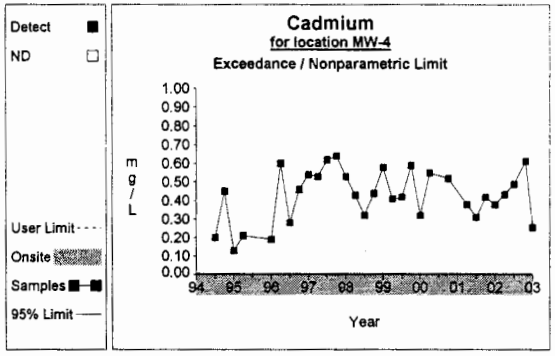

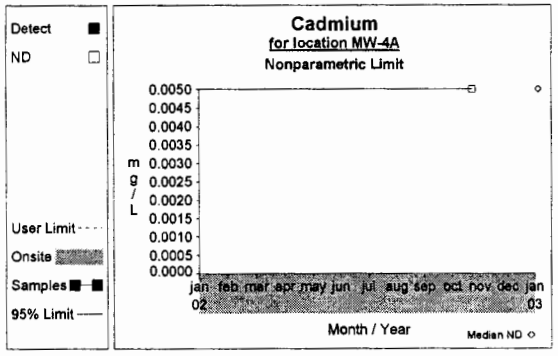

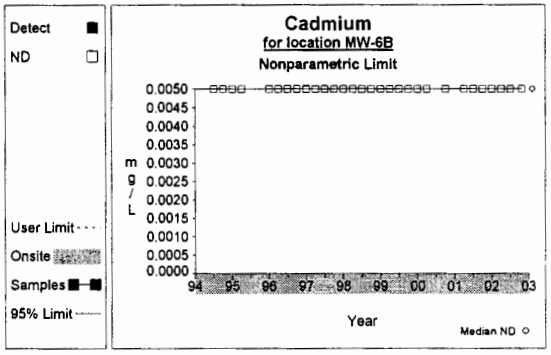

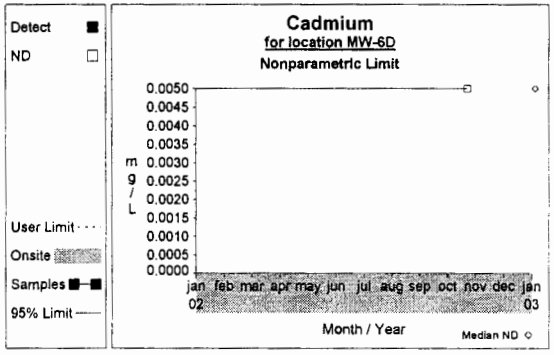

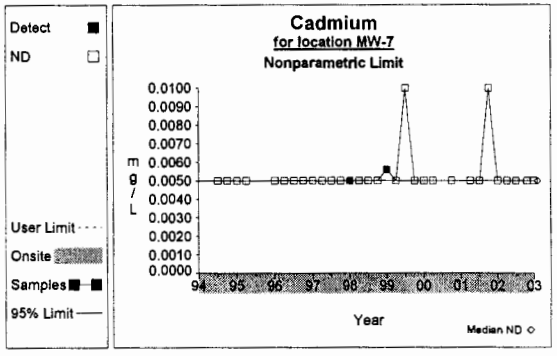

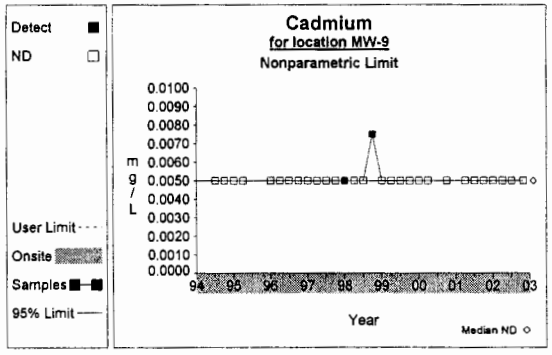

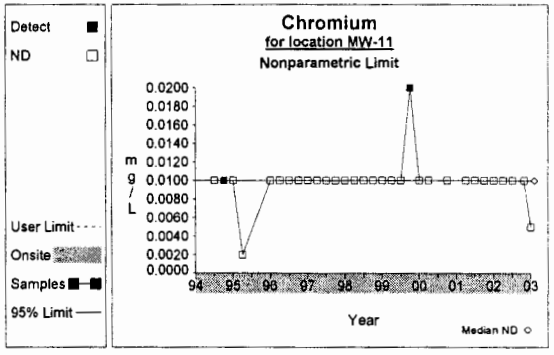

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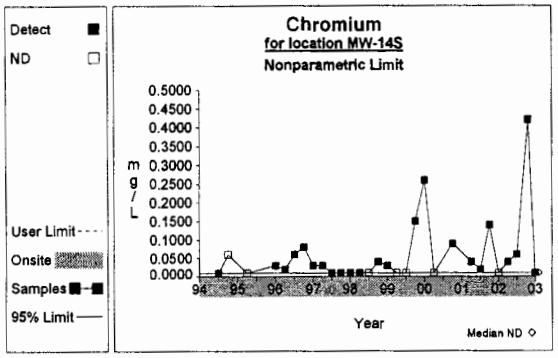
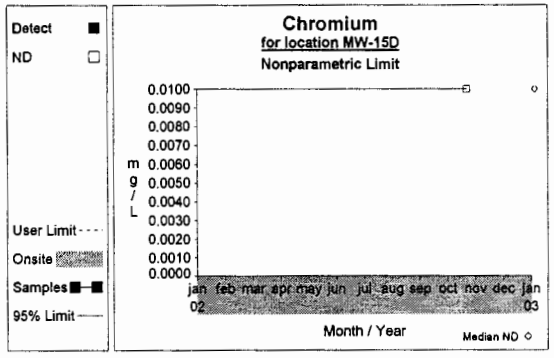
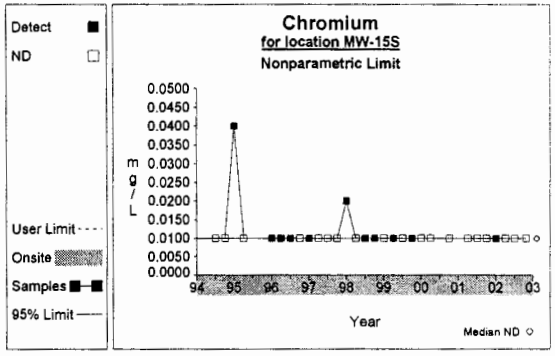
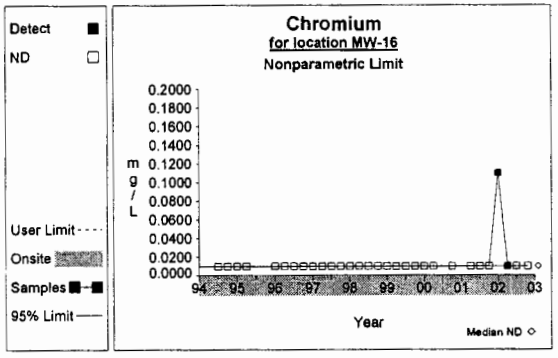
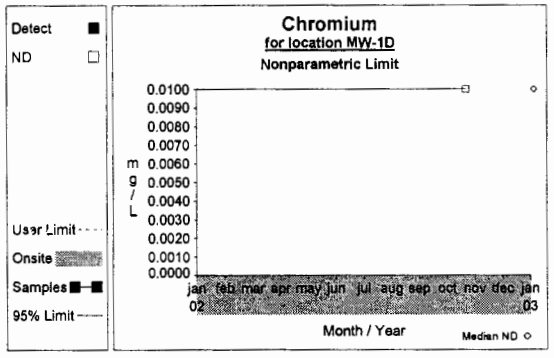
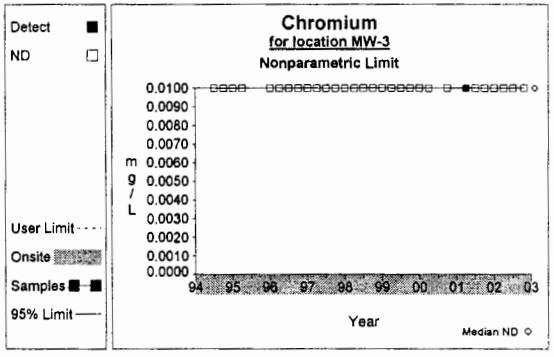


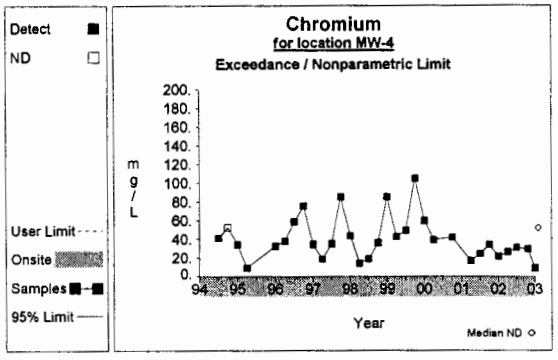


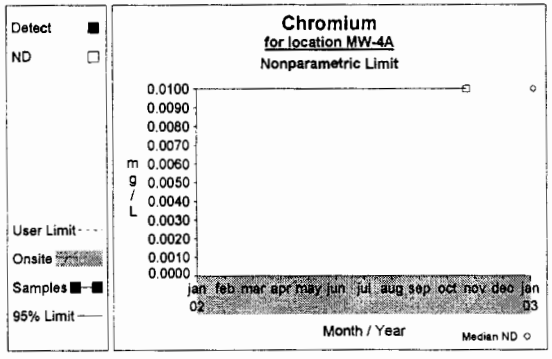


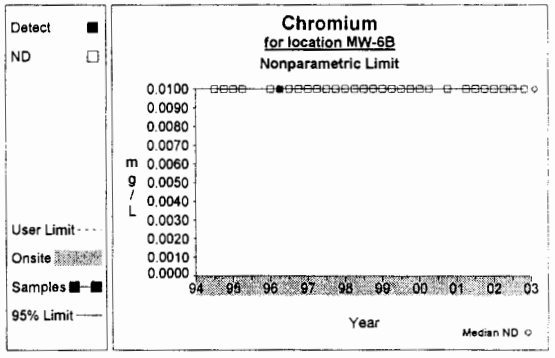




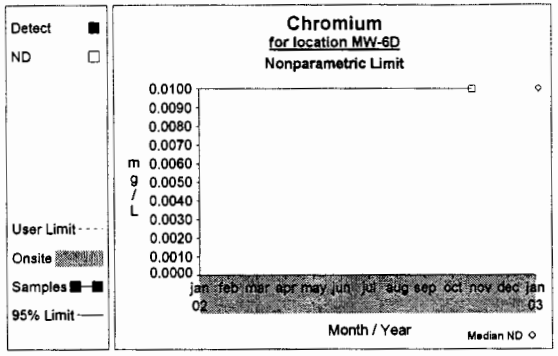


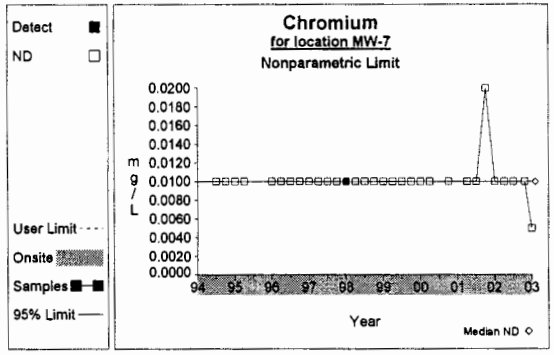


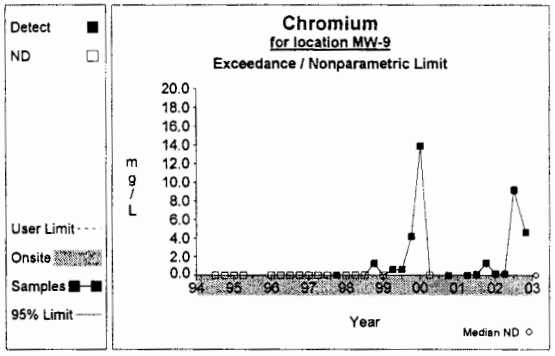


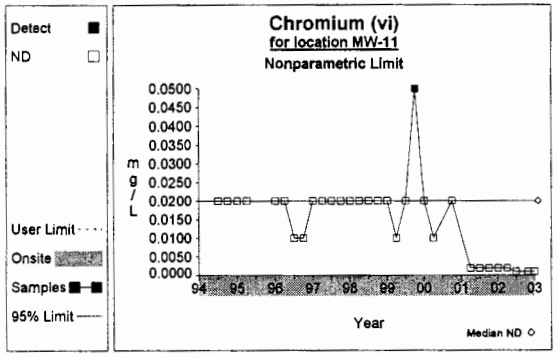


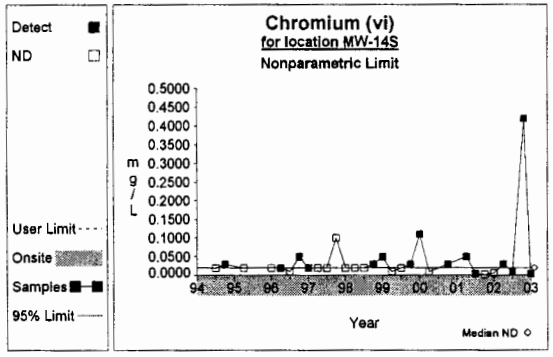
Comparison to Background

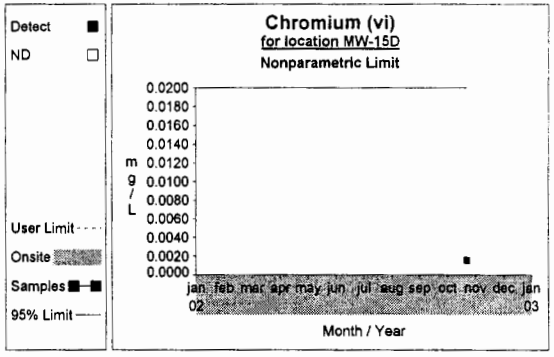


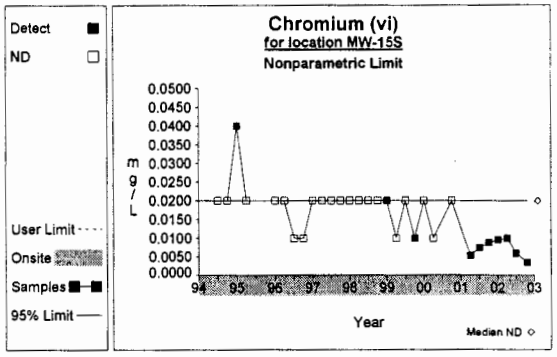


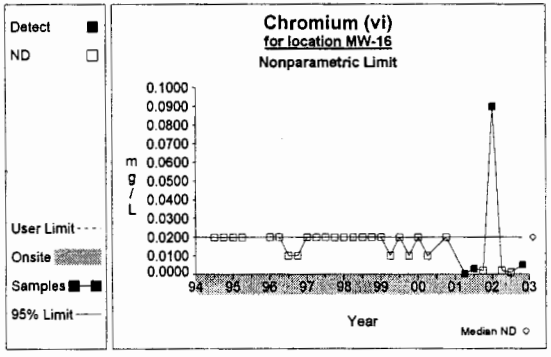


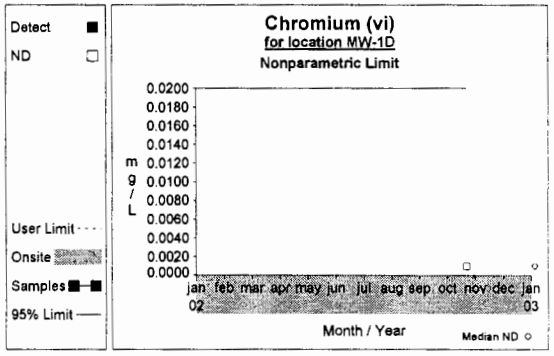




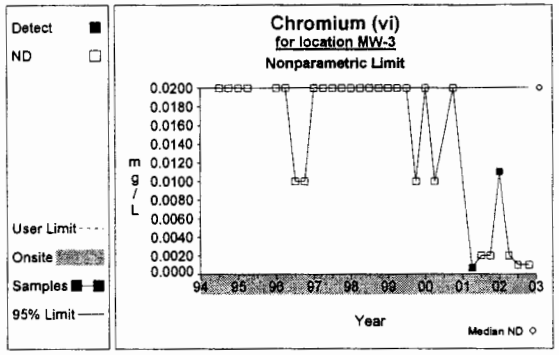


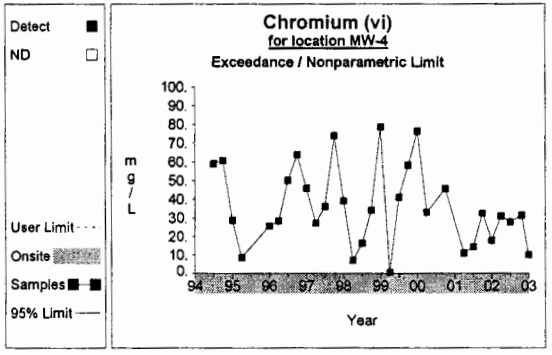


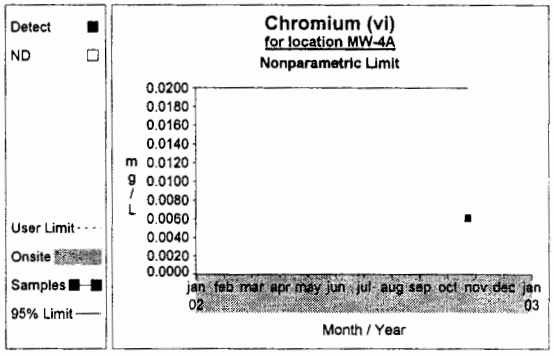


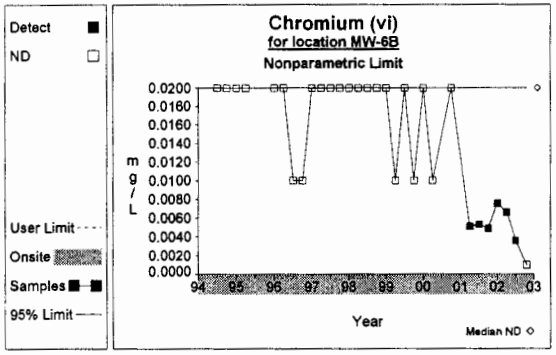


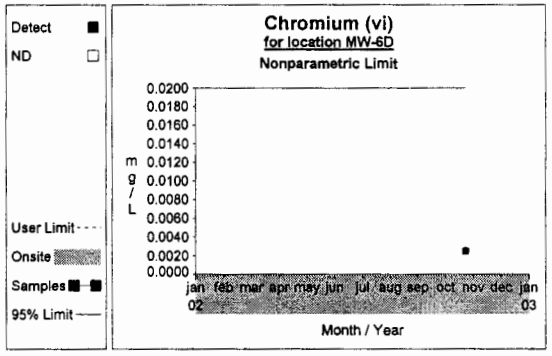
Comparison to Background

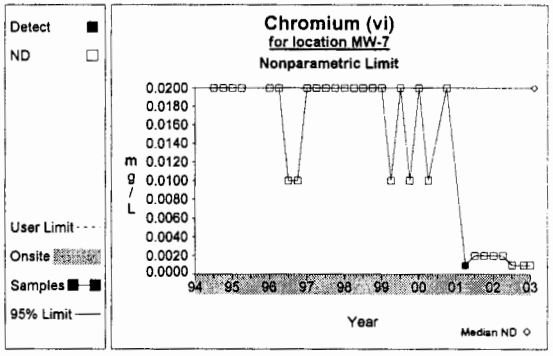


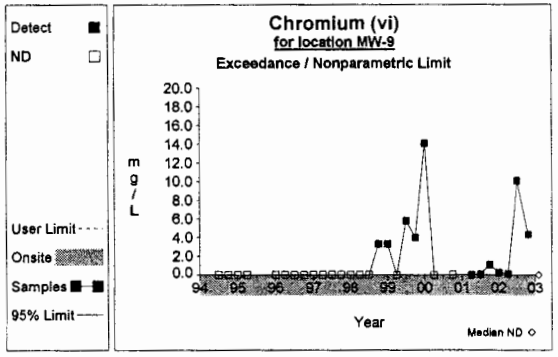


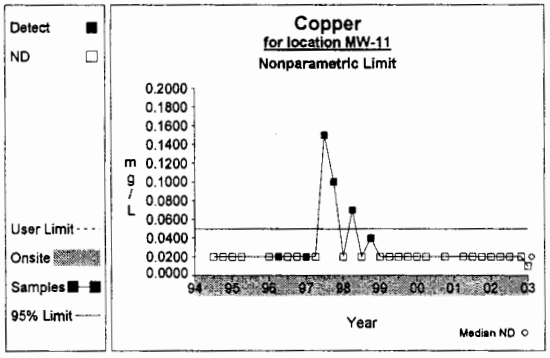


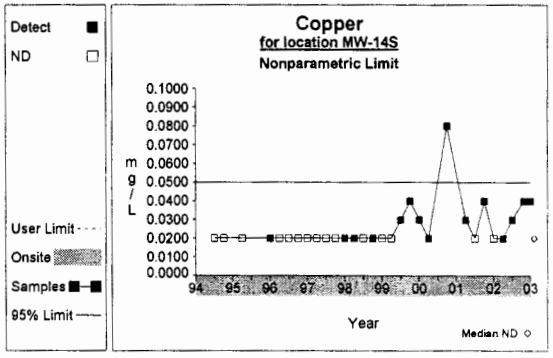




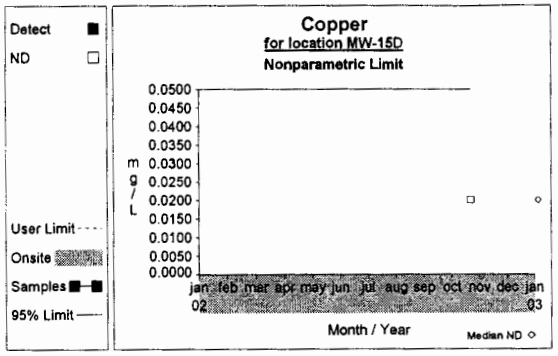


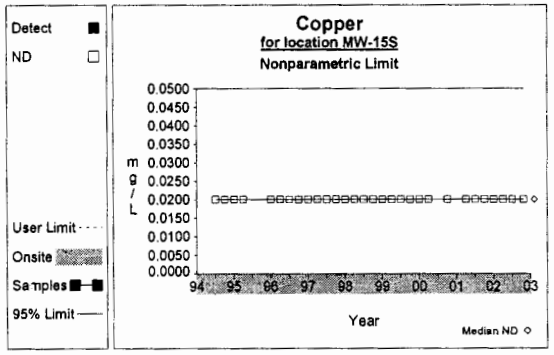


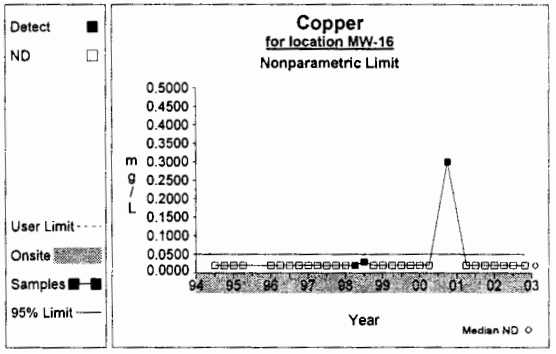


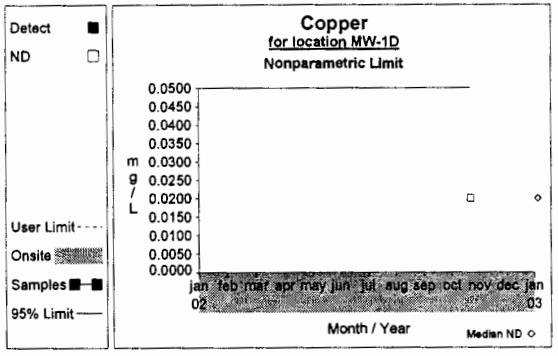


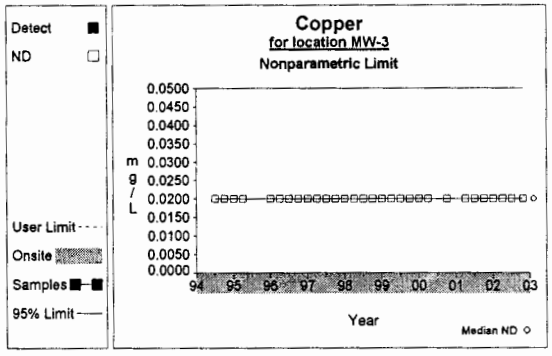
Comparison to Background

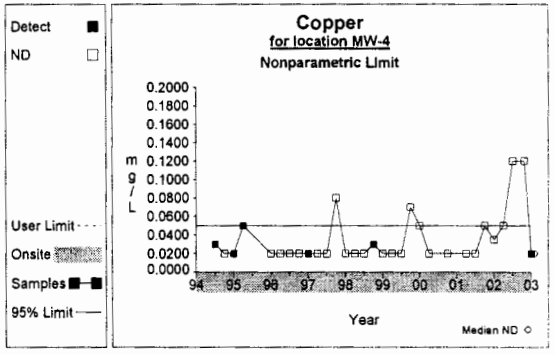


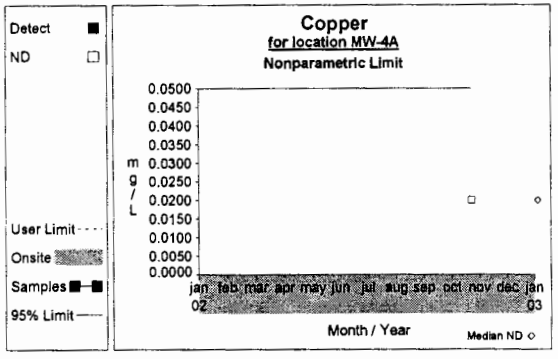


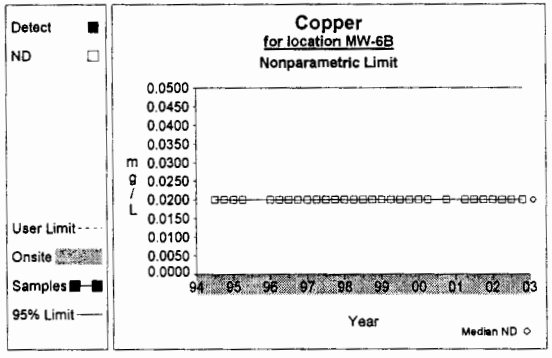


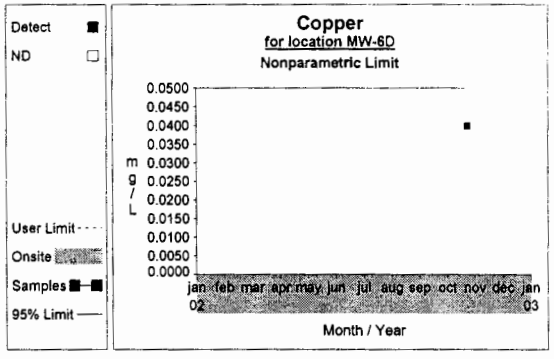












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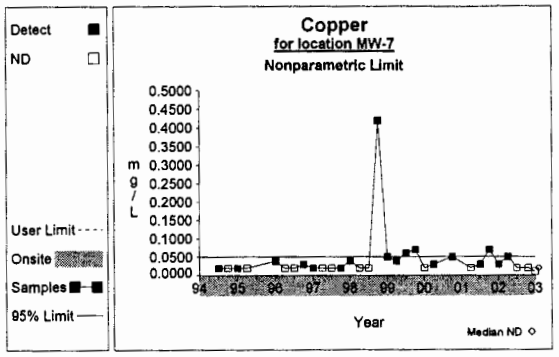

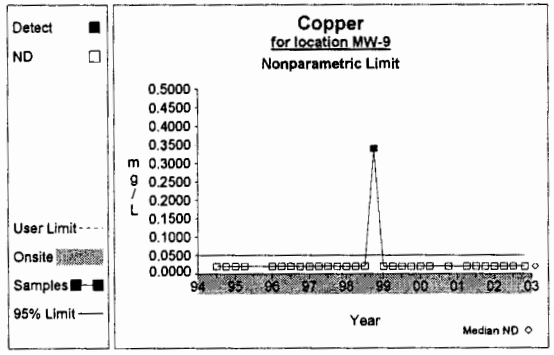

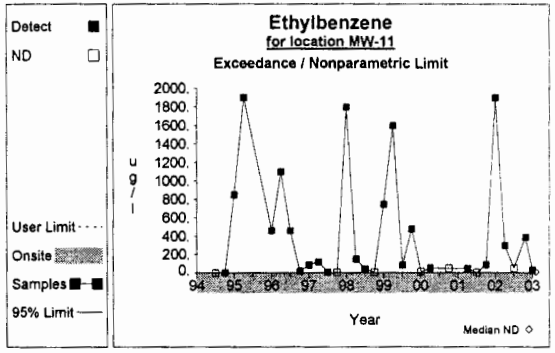

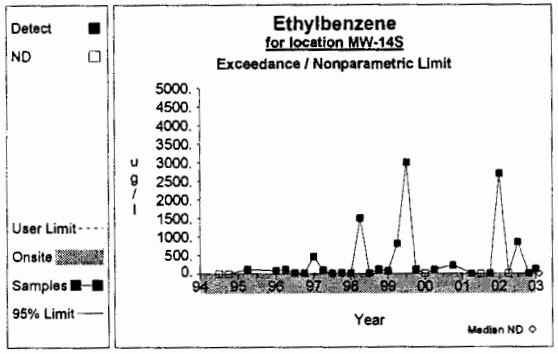

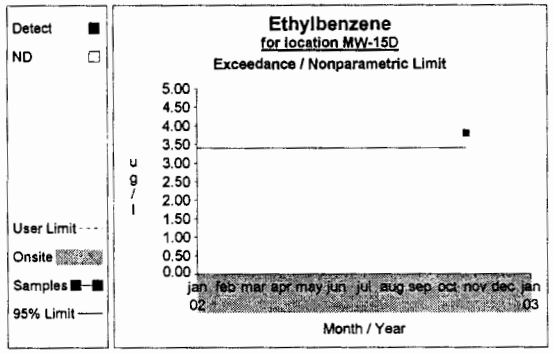

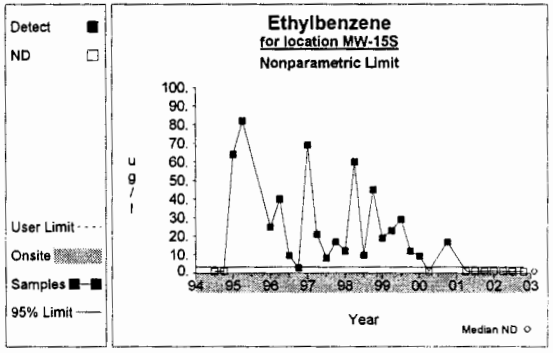

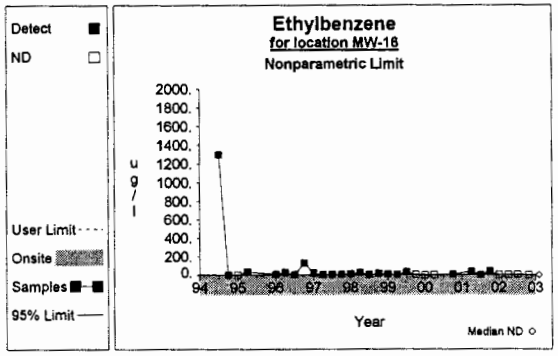

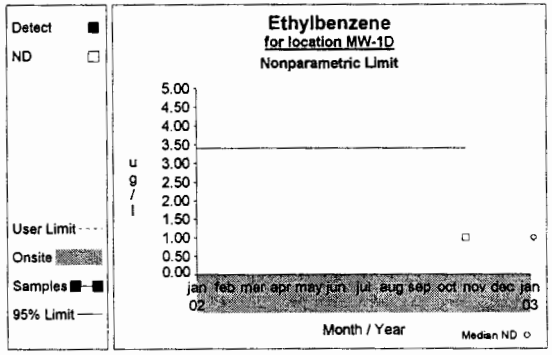

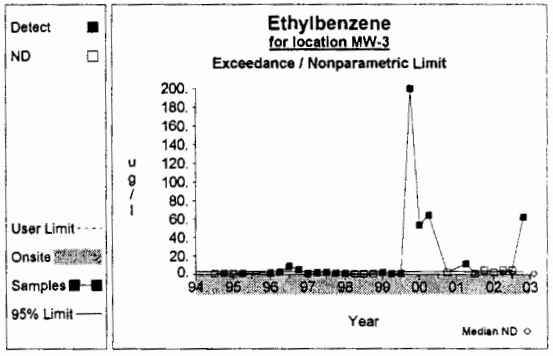

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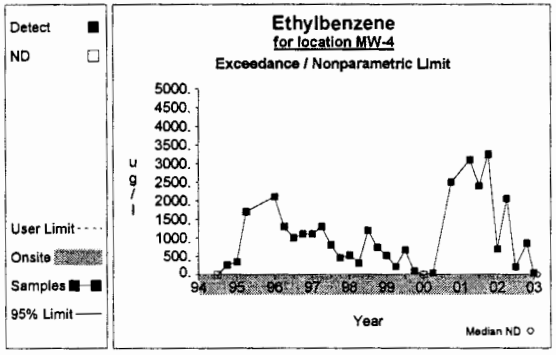

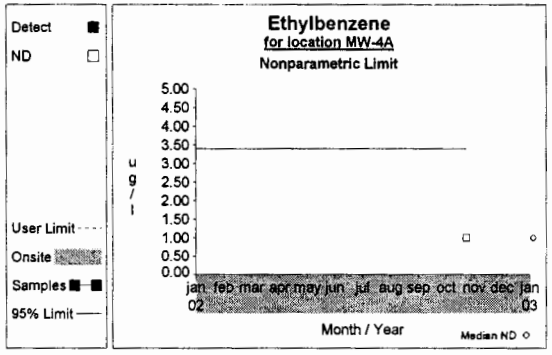

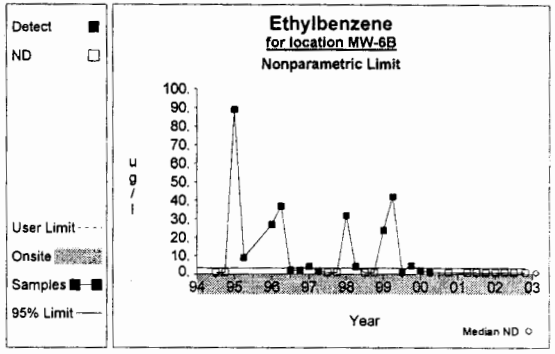

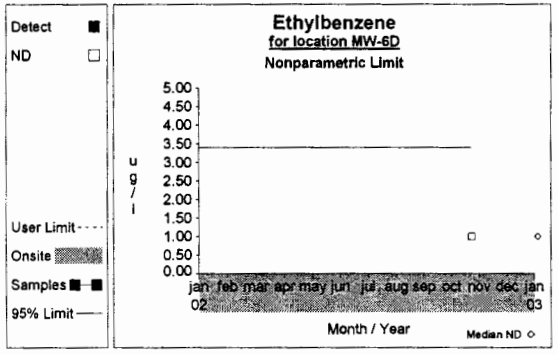

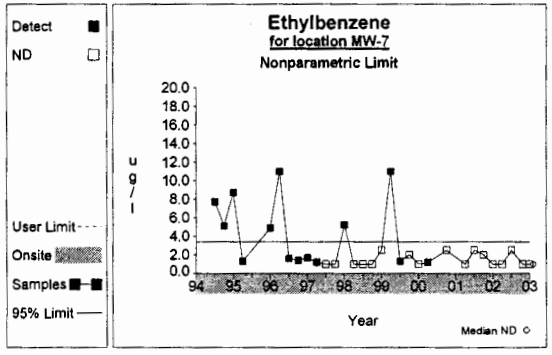

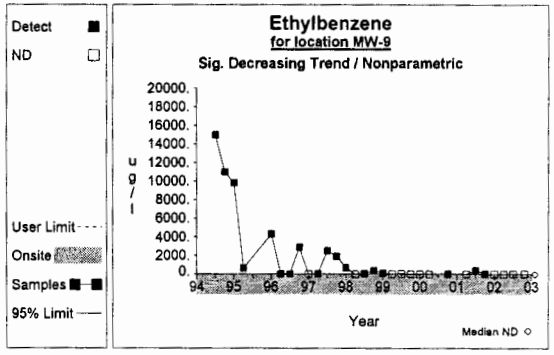

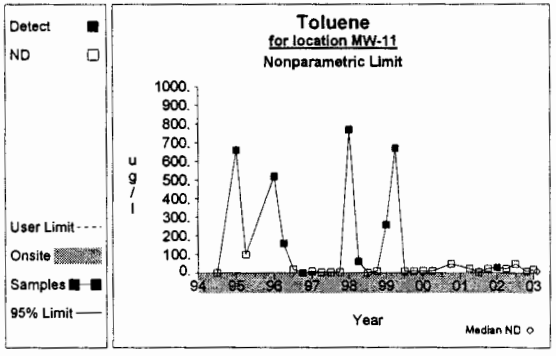

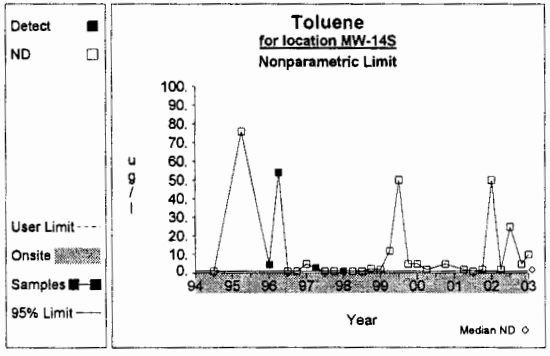

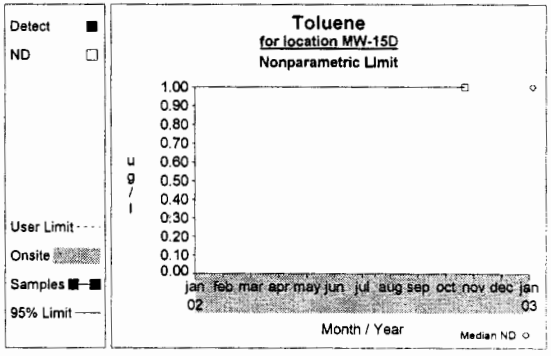

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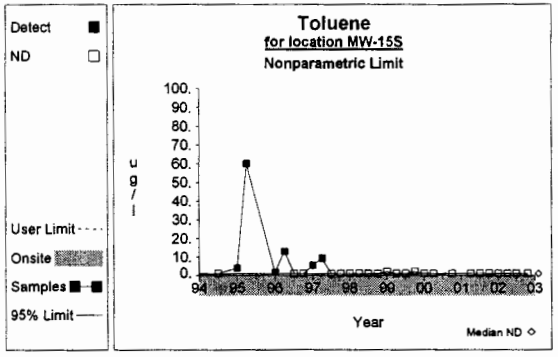

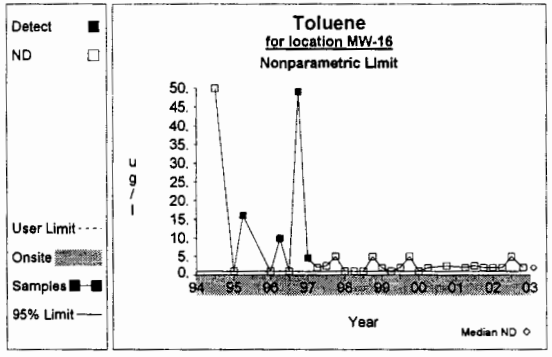

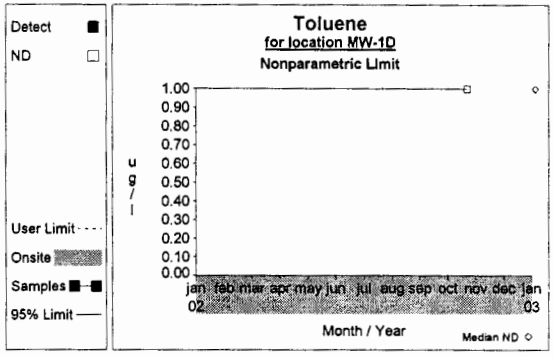

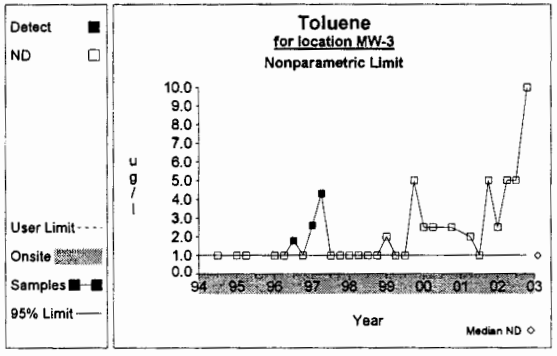

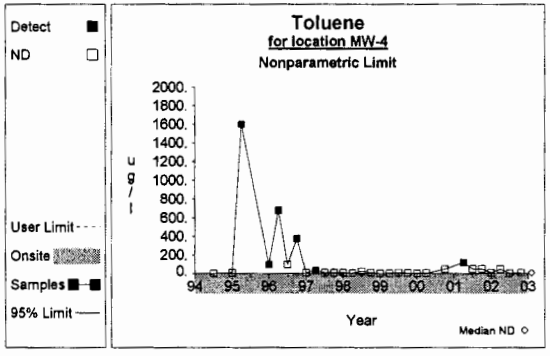

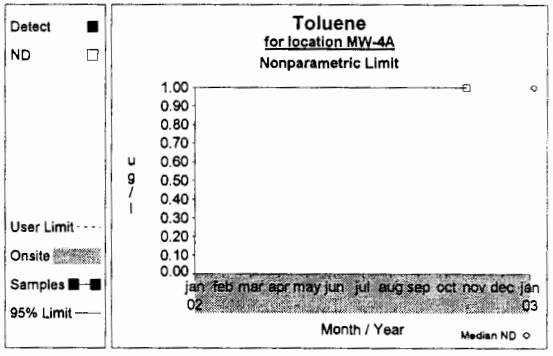

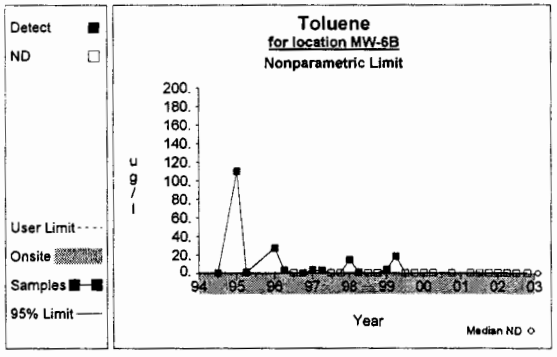

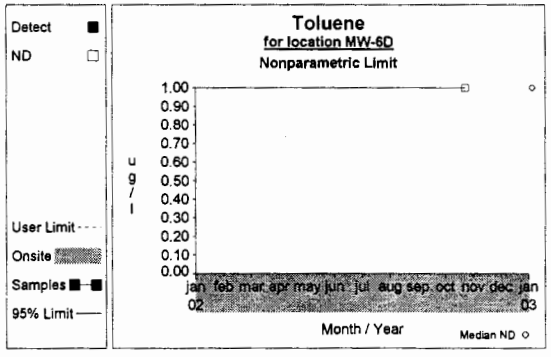

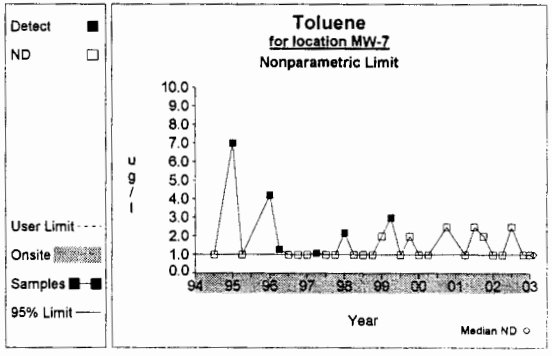

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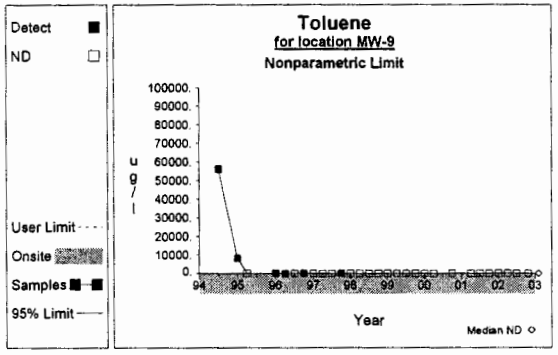

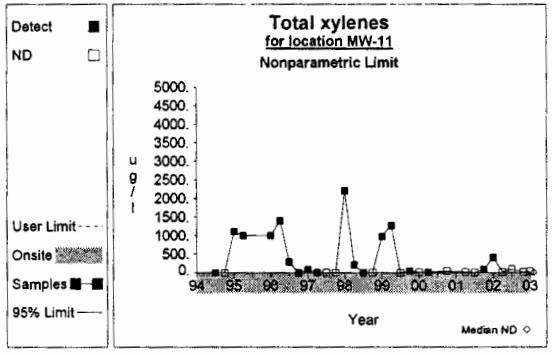

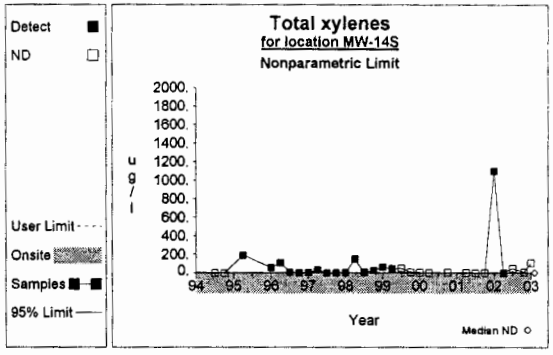

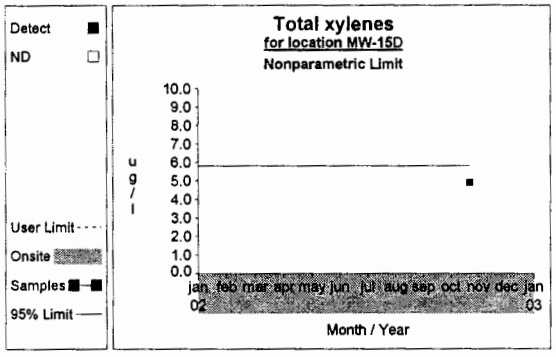

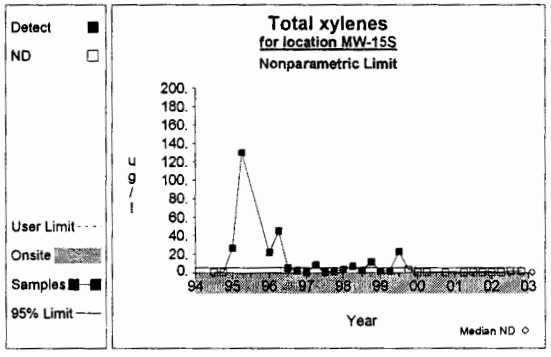

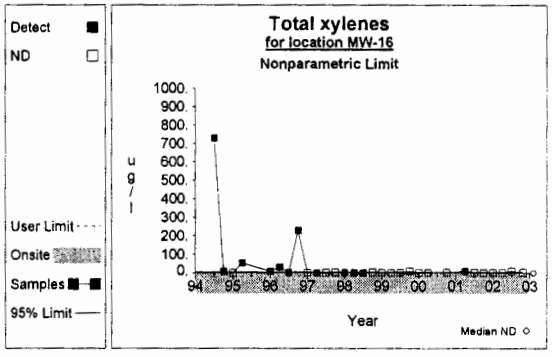

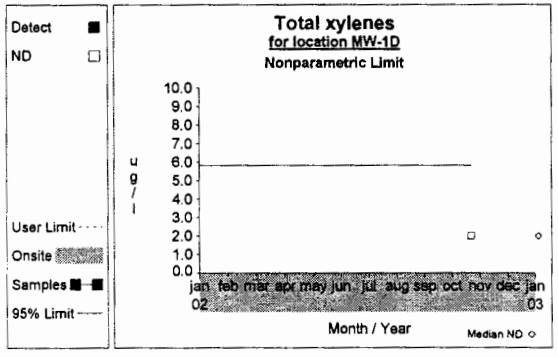

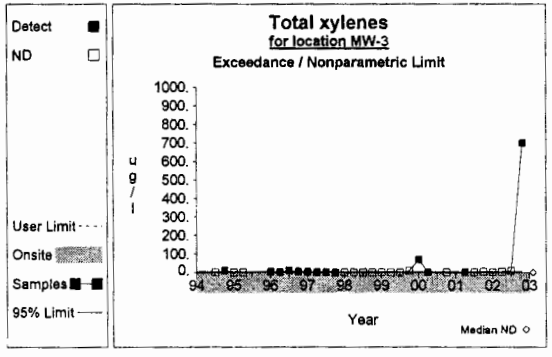

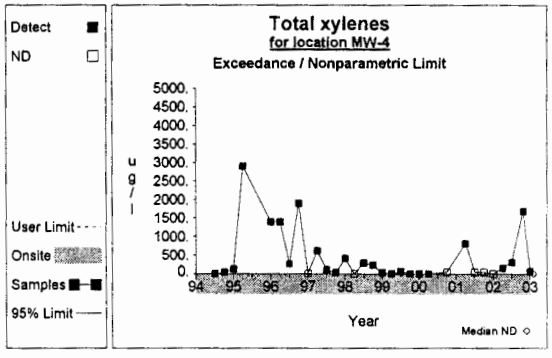

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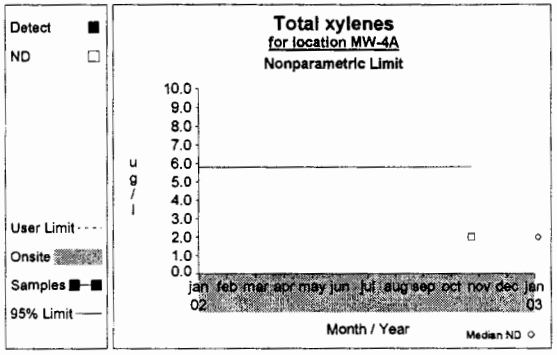

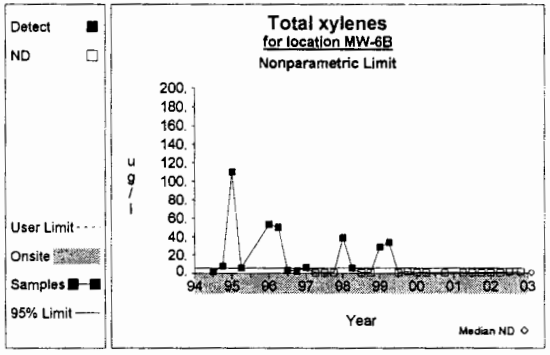

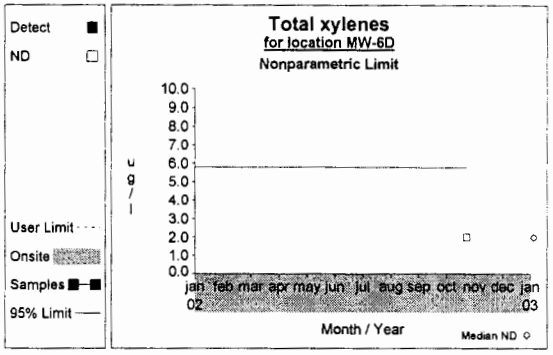

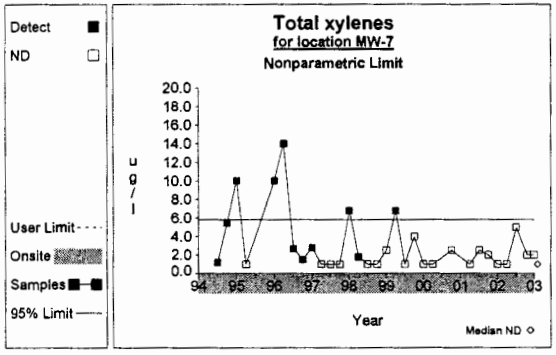

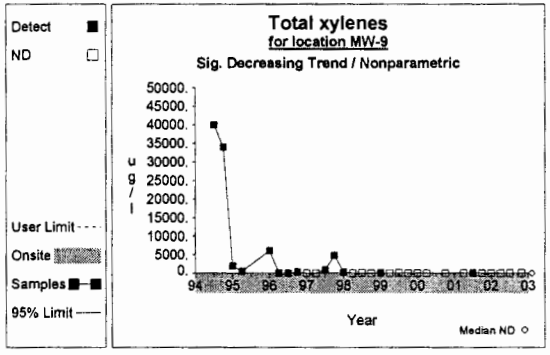

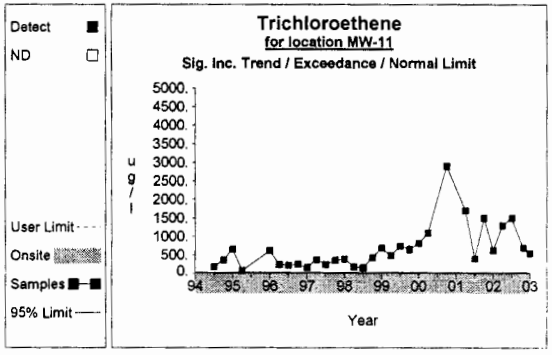

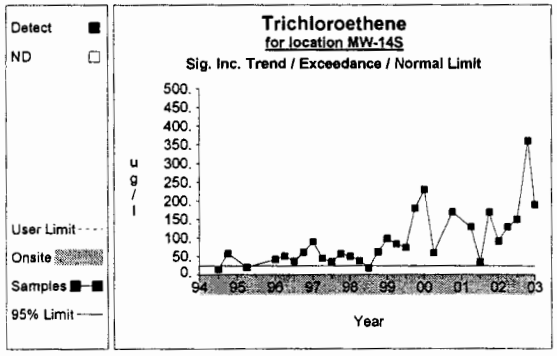

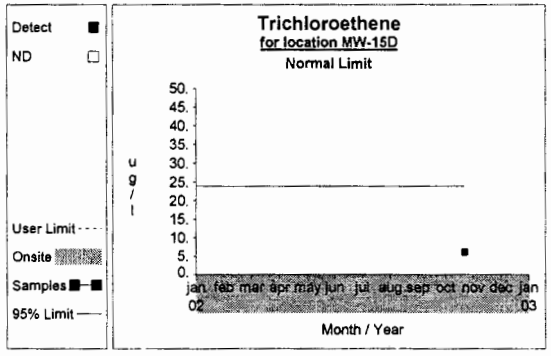

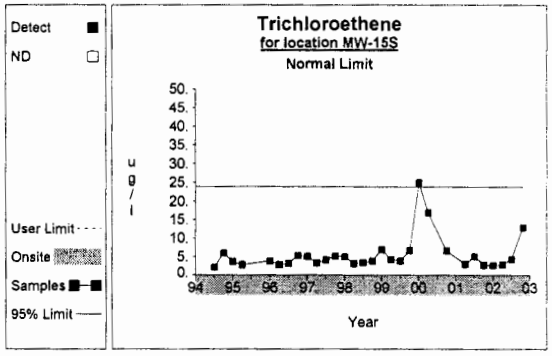
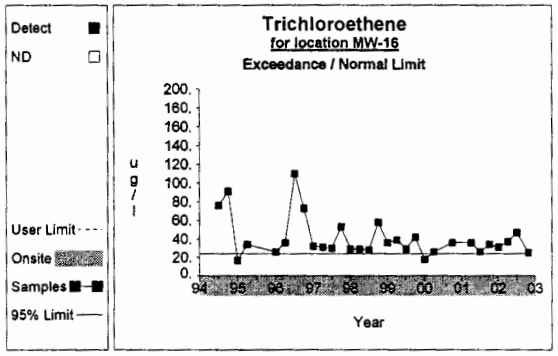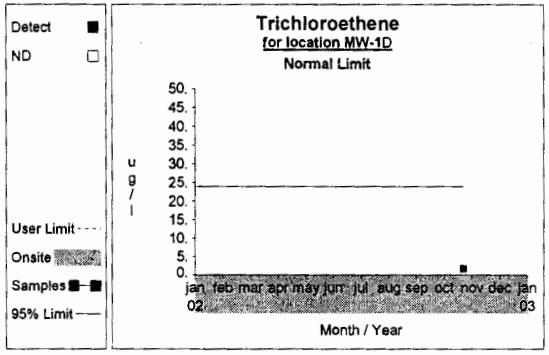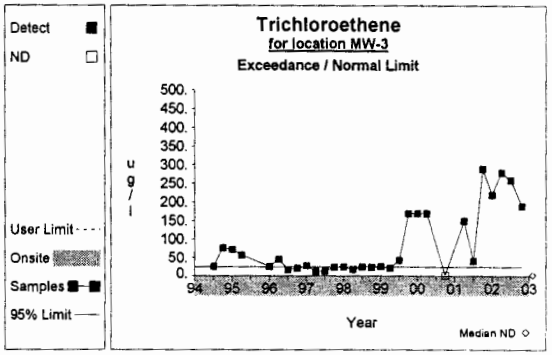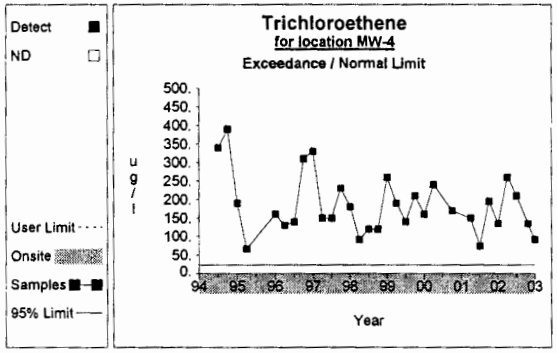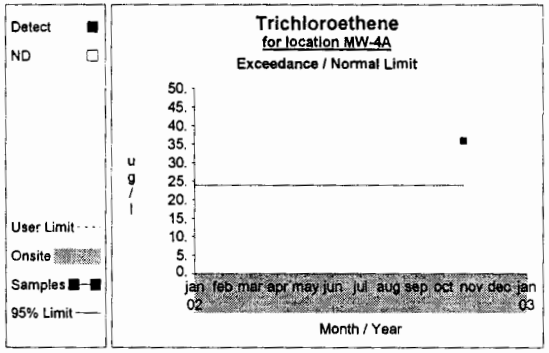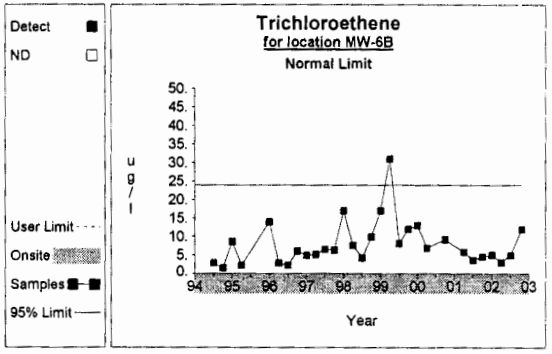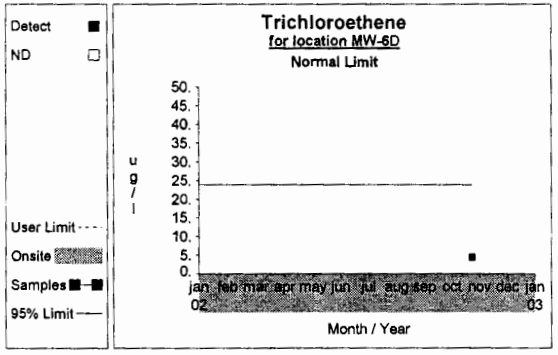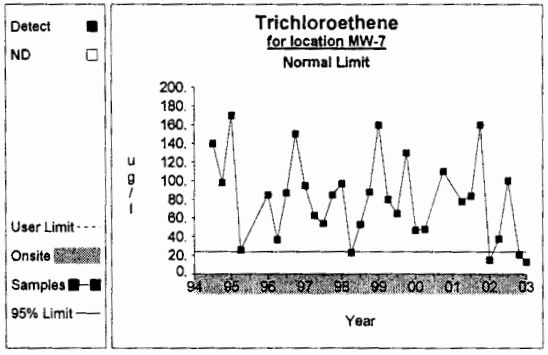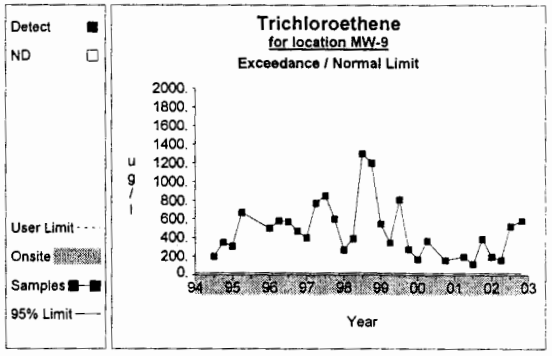
Comparison to Background