CDM

Phibro-Tech, Inc.

October 2003 Quarterly Sampling and 2003 Annual Groundwater Monitoring Report Santa Fe Springs, California

January 19, 2004

Prepared for:

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

Prepared by:

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Project No. 2279-36882.REP.REPT

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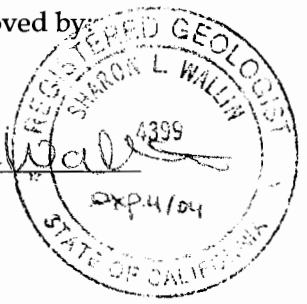
The information contained in the October 2003 Quarterly Sampling and 2003 Annual Groundwater Monitoring Report for the Phibro-Tech, Inc. Santa Fe Springs, California facility has received appropriate technical review and approval. The activities outlined in the report were performed under the supervision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

Reviewed and Approved by:



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Project Manager

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PHIBRO-TECH, INC.

January 28, 2004

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

Dear Mr. Leach:

Enclosed is the October 2003 Quarterly and 2003 Annual Groundwater Monitoring Report for Phibro-Tech, Inc., Santa Fe Springs' facility. The Report includes analytical results and physical measurements obtained October 21 – 23, 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,

Mark Alling
General Manager

Enclosure

cc: see following page

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Section 1
Introduction

This report summarizes the October 2003 quarterly groundwater monitoring and 2003 annual sampling event at the Phibro-Tech, Inc. (PTI), Santa Fe Springs, California facility (formerly referred to as Southern California Chemical). This report presents the fourth quarter groundwater monitoring results for 2003. Contained herein are the results of laboratory analyses of groundwater samples and water level measurements obtained on October 21 through 23, 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 18 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 October 2003 sampling, this report contains tables listing detection limits of the parameters analyzed (Appendix A). Sampling results from January 1989 to October 2003 are presented in Appendix B. For ease of review, analytical results for the current previous quarters are also summarized in Section 6, Tables 6-1 and 6-2. Copies of the original laboratory results for the October 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. Appendix G contains the Annual Groundwater Monitoring Report.

Section 2
Monitoring Well Sampling

CDM personnel conducted groundwater sampling of existing on-site monitoring wells on October 21 through 23, 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 8260B). 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 IX sampling and analysis. 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-01D, MW-01S, MW-03, MW-15D, MW-15S, MW-06D, MW-06B, MW-04A, MW-16, MW-09, MW-07, MW-14S, MW-04, and MW-11. All samples collected for Appendix IX analyses were taken on October 23, 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

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 of each sampled 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 October 2003 sampling event.

2.1.3 Static Water Level/Well Depth Measurement

On October 21, 2003, 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) prior to the initiation of on-site well pumping. The three measurements collected in each well were identical. 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 were 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. 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 were evacuated from each well prior to collecting a groundwater sample for laboratory analysis.

During the October 2003 sampling round, all 14 of the wells sampled were purged using a portable Grundfos 2-inch diameter variable-speed submersible pump, and each well was sampled using a new disposable bailer. In most cases, the pump was installed within five feet from the top of the water column.

Field parameters were measured during well evacuation using multimeter and turbidity meter for all wells. These instruments were calibrated or field checked prior to use with standard solutions in accordance with manufacturer's directions. These instruments were 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 3 to greater than 1,000 NTU (nephelometric turbidity units) at the start of well evacuation. At the end of well evacuation, measurements were generally less than 10 NTU. Higher turbidity at the start of purging seems to be related to agitating the water column and re-suspending 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 October 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

In addition to the above parameters, samples collected on October 23, 2003 from monitoring wells MW-04, MW-07, MW-11 and MW-14S were analyzed for the Appendix IX suite of analytes, which includes:

- Organochlorine Pesticides by EPA 3510C/8081A
- Organophosphorus Pesticides by EPA 8141A
- Polychlorinated Biphenyls (PCBs) by EPA 3510C/8082
- Title 22 Metals by EPA 6010B/7470A
- Total Cyanide by EPA SM4500
- Sulfide by EPA 376.2
- Chlorinated Herbicides by EPA 8151A
- Semivolatile Organic Compounds (SVOCs) by EPA 8270C
- Dioxins and Furans by EPA 8290

Groundwater sample bottles were numbered using the following format:

PTI-MW01S-059

Where:

PTI	-	designates site acronym
MW01S	-	designates monitoring well (MW) location number
EB	-	designates equipment blank sample
TB	-	designates travel blank sample
059	-	designates sequential sampling event number

This was the 58th round of sampling conducted by CDM, however, due to a previous labeling inconsistency, a 059 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 D. 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.

DATE: Oct 17, 2003 9:52am XREFS:
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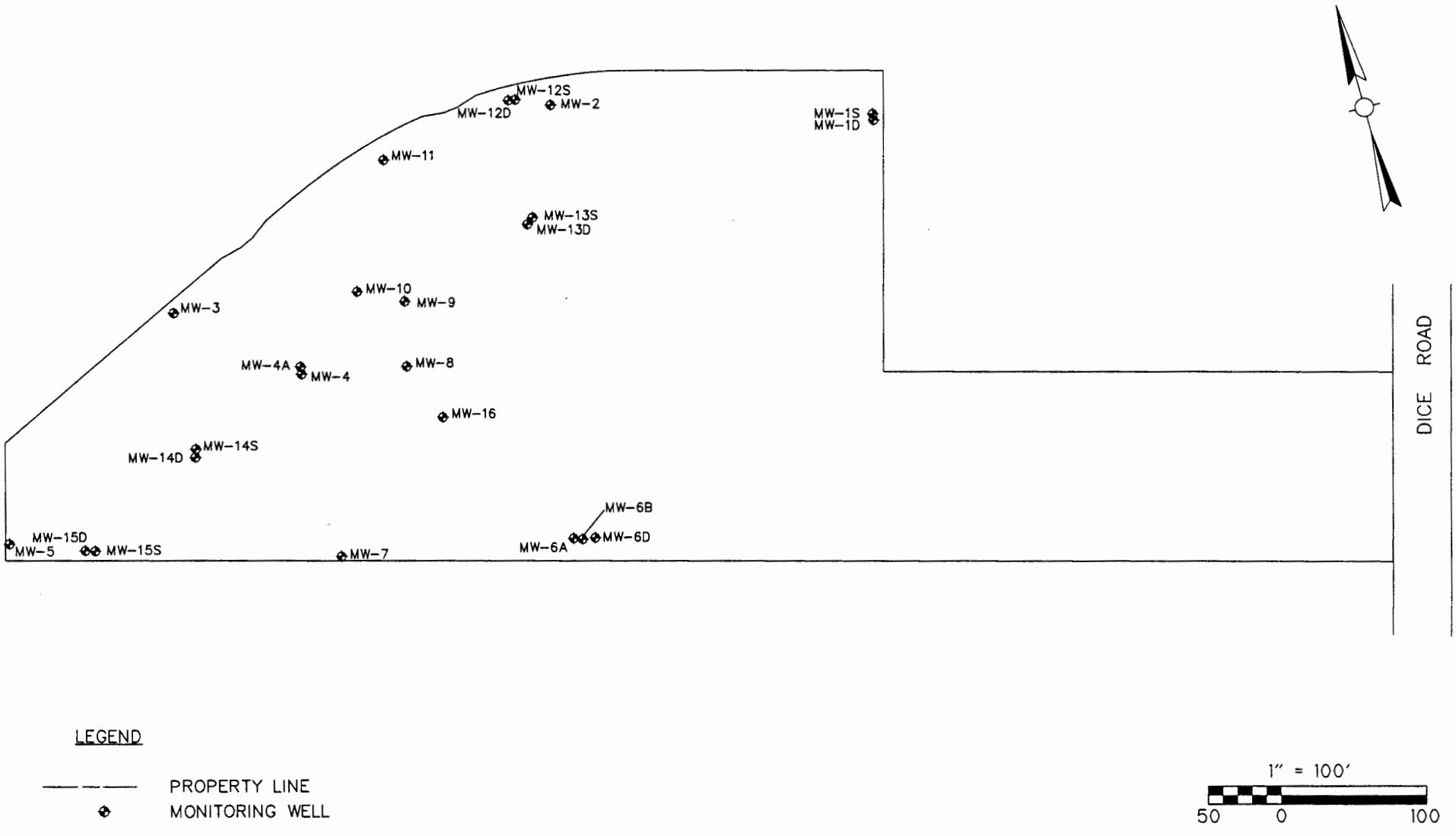

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

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.
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.

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
10/92	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, 10/95	pH	Cd, Cr, Cu	X	--	--	8010/8020	--	--	Sampled 14 wells Performed statistical analysis.
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, 4/03, 7/03	pH	Cd,Cr, Cu	X	-	-	8260B	-	-	Sampled 14 wells Performed statistical analysis.
10/03	pH	Title 22 Metals	X	-	-	8260B	X	-	Sampled 14 wells Performed statistical analysis. Annual Report includes results for Appendix IX analyses performed on samples from wells MW-04, MW-07, MW-11, and MW-14S.

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

Section 3
Laboratory Testing

As previously discussed, Del Mar Analytical (DMA) provided analysis of the 23 aqueous samples collected during the October 2003 monitoring event. Fourteen monitoring well samples, two blind duplicate samples from MW-04 and MW-09, three equipment blank (EB) samples, and one deionized/distilled water sample were collected and submitted to DMA for analysis of volatile organic compounds (VOCs by EPA Method 8260B), metals (EPA Method 6010), hexavalent chromium (EPA Method 7199), and pH. Three travel blanks (TB) were also submitted to Del Mar Analytical for analysis of VOCs only.

October 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 and summarized in Table 4-1. Individual analytical reports are contained in Appendix C.

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 A. 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. 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-35 and MW-37, 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 October 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 except methylene chloride (Table 4-1), which had an RPD value of 30.3 percent for the duplicate collected from well MW-09.

4.1.2 Equipment Blanks

Three equipment blank samples were taken during this sampling event. An equipment blank taken on October 21, 2003 was 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 well MW-03 and before well MW-15D. The purpose of this equipment blank was to assure that the pump was being sufficiently decontaminated between wells. The equipment blanks taken on October 22 and 23, 2003 were obtained by allowing the deionized water to run through a new, pre-cleaned, disposable bailer before sampling well MW-16 and MW-11, respectively. 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 laboratory grade deionized water used for the collection of the equipment blanks.

Analytical results for the equipment blanks collected are shown in Table 4-1. Analytical results show that n-nitrosodimethylamine (NDMA) was detected at 33 µg/L in the equipment blank taken on October 23, 2003. NDMA was also detected in the deionized/distilled water blank collected during the same day. Because NDMA was not detected in any other samples, the NDMA may have originated from the deionized water.

4.1.3 Deionized/Distilled Water Blank

A deionized/distilled water blank can indicate contamination inherent in the laboratory-grade water used for equipment blanks. A deionized/distilled water blank was collected on October 23, 2003 by pouring deionized water into the appropriate sample containers. The water used for the deionized/distilled water blank was the same water used for the equipment blanks.

Analytical results for the deionized/distilled water blank, indicated with sample type "DI," are shown in Table 4-1. The results show that NDMA was detected at 39 µg/L. The concentration was similar to that observed in the equipment blank collected during the same day. Because NDMA was not detected in any other samples, the NDMA probably originated from the deionized water.

4.1.4 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 October 2003 sampling event, three laboratory-prepared travel blanks (one for each day of sampling) consisting of organic-free water were labeled and submitted to the laboratory for volatile organic compound analysis by EPA Method 8260. The travel blanks were placed inside the cooler containing samples for volatile organic compounds, and accompanied the sample containers throughout the sampling event.

Table 4-1 shows the results of the travel blank analyses. Acetone was detected in the October 23, 2003 travel blank at 10 µg/L. Acetone was not observed in any other samples taken during the sampling period.

4.1.5 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 D.

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.

Samples for hexavalent chromium and pH for all samples were analyzed within the 24-holding time.

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

Well ID	Sample Date	Sample Type	Metals (mg/L)					VOCs (ug/L)														
			Barium	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	Acetone	Aceto-phenone	NDMA
MW-04	10/23/03		0.44	0.24	21	20	0.02 RL-1,U	20 U	20 U	410	40 U	20 U	140	65	150	53	20 U	160	61	100 U	130	20 U
		K	0.26	0.21	18	21	0.02 RL-3,U	8 U	8 U	390	4 U	8 U	150	73	160	55	13	180	58	40 U	120	20 U
		RPD		13.3 %	15.4 %	4.9 %				5 %			6.9 %	11.6 %	6.5 %	3.7 %		11.8 %	5 %		8 %	
MW-09	10/22/03			0.01 RL-1,U	13	13	0.02 RL-1,U	5 U	10 U	10 U	20 U	10 U	150	38	130	140	74	10 U	190			
		K		0.01 RL-1,U	13	13	0.02 RL-1,U	1 U	2 U	2 U	4 U	4.1	130	32	120	140	66	4.3	140			
		RPD			0 %	0 %							14.3 %	17.1 %	8 %	0 %	11.4 %		30.3 %			
DI	10/23/03	N	0.01 U	0.005 U	0.005 U	0.001 U	0.01 U	2 U	2 U	2 U	4 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	5 U	10 U	9.9 U	39
EB	10/21/03	N		0.005 U	0.005 U	0.001 U	0.01 U	0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	5 U			
	10/22/03	N		0.005 U	0.005 U	0.001 U	0.01 U	0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	5 U			
	10/23/03	N	0.01 U	0.005 U	0.005 U	0.001 U	0.01 U	2 U	2 U	2 U	4 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	5 U	10 U	9.5 U	33
TB	10/21/03	TB						0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	5 U			
	10/22/03	TB						0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	0.5 U	1 U	1 U	5 U			
	10/23/03	TB						2 U	2 U	2 U	4 U	2 U	2 U	5 U	2 U	2 U	2 U	2 U	5 U	10		

Notes:

PCE = Tetrachloroethene; TCE = Trichloroethene; DCE = Dichloroethene; DCA = Dichloroethane; CFM = Chloroform; MCL = Methylene chloride; NDMA = n-Nitrosodimethylamine

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-1 = Reporting Limit elevated due to sample matrix effects.
RL-3 = Reporting Limit elevated due to interference from other analytes.
U = Not detected at a concentration greater than the reporting limit shown.
Only detected compounds are listed.

Sample Type:
K = Duplicate (split) Sample
TB = Trip Blank
N = Equipment Decontamination Blank
RPD = Relative Percent Difference between original and duplicate samples (%)

Section 5
Groundwater Elevation

On October 21, 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.

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 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 Softdesk, 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 0.45 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 July 2003 sampling event, which had a gradient of 0.35 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 0.43 feet per 100 feet. This is greater than the average gradient of 0.38 during the previous quarter.

With the 23 wells measured for water levels during this sampling round, there are seven locations where a deep well was measured adjacent to a shallow well. The screened intervals of the shallow wells vary (see Table 5-1), with 15 to 30 feet of screen placed within the interval from 45 to 77 feet below ground surface (bgs). Deep wells are screened with 15 to 20 feet of screen within the interval from 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 shallow wells MW-01S, MW-12S, MW-14S, and MW-15S were slightly higher (0.08 feet to 0.30 feet) than the corresponding deep well elevations. The groundwater elevations at deep wells MW-06D and MW-13D were slightly higher (0.07 feet and 0.02 feet, respectively) than the corresponding shallow well elevations. Groundwater at shallow well MW-04 and deep well MW-04A were the same. 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 5.97 feet. The maximum groundwater elevation increase occurred in well MW-16, which increased by 8.83 feet.

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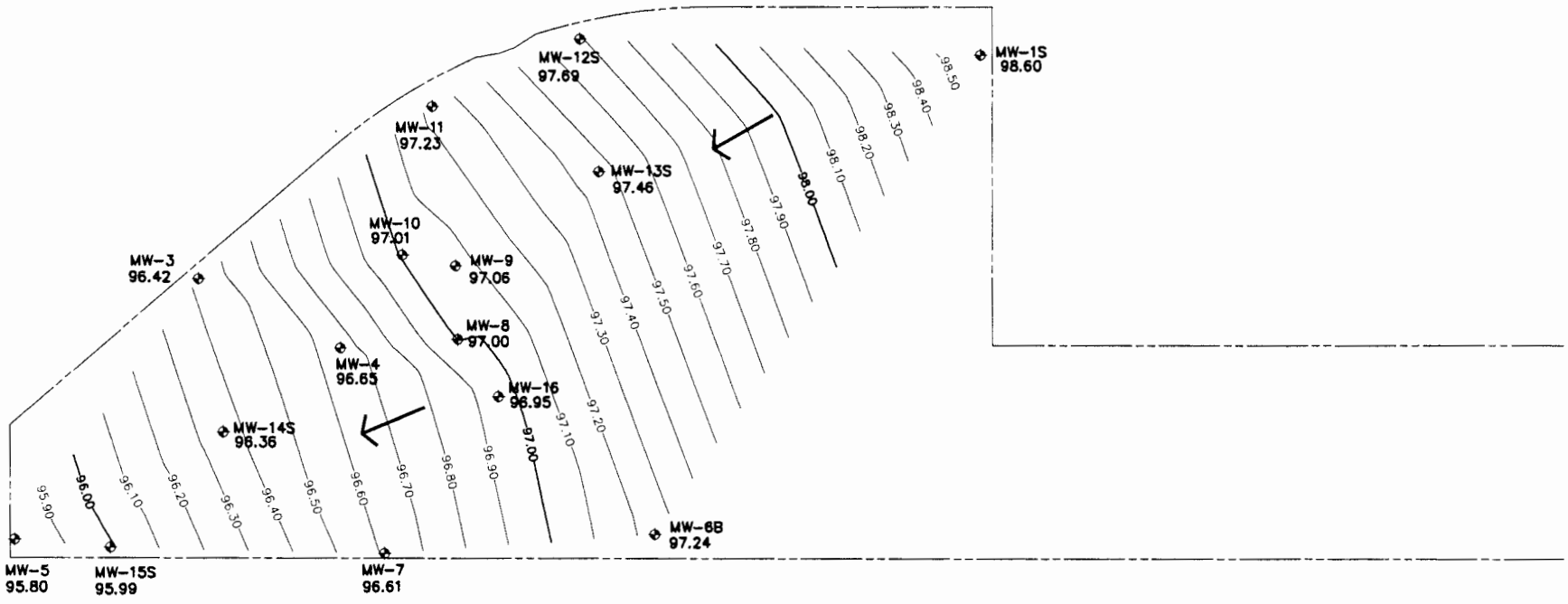

LEGEND

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

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

Groundwater Elevation Contours - Shallow Wells
October 2003

CDM

Figure 5-1

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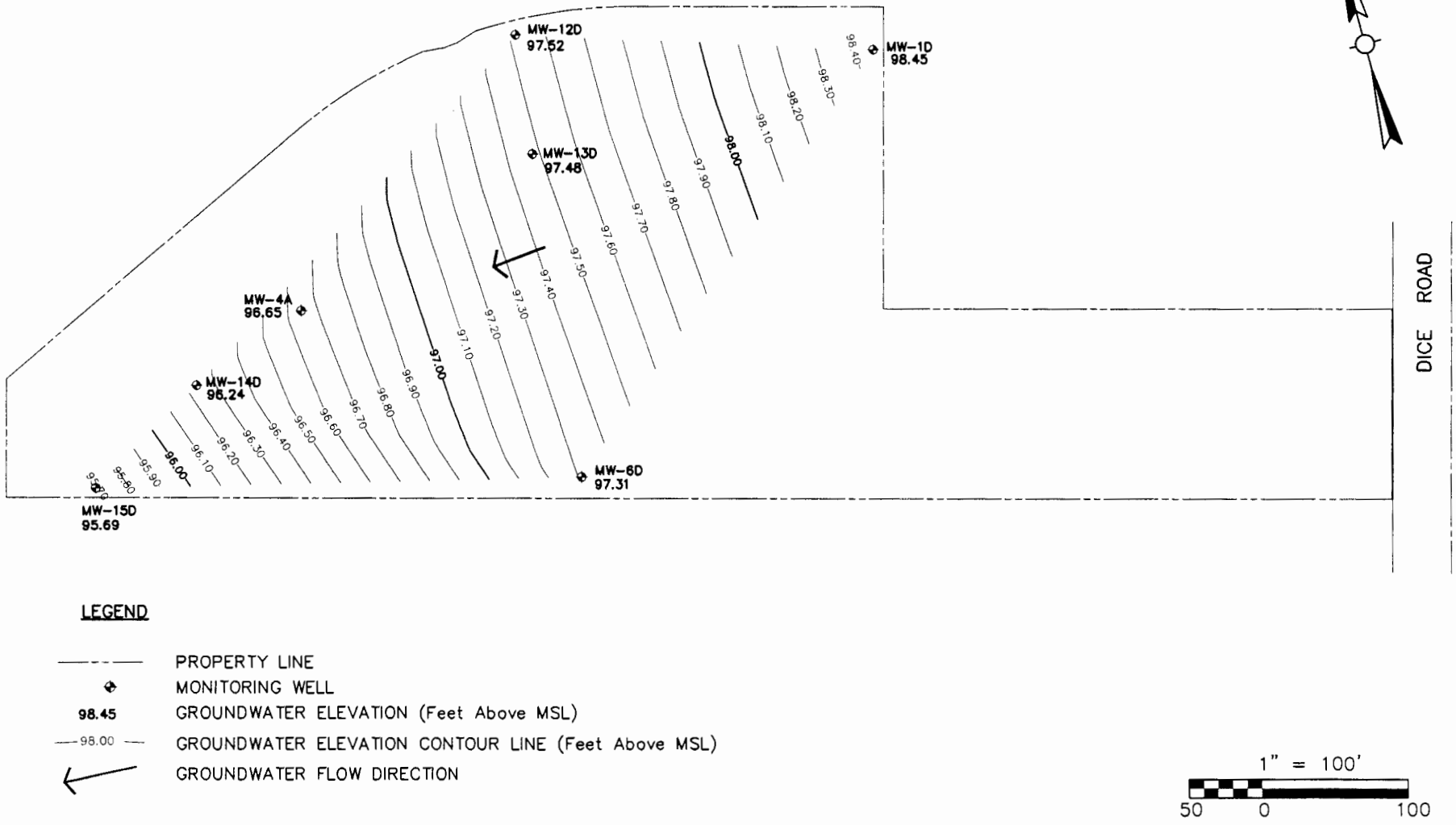

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Groundwater Elevation Contours - Deep Wells
October 2003

CDM

Figure 5-2

TABLE 5-1
PHIBRO-TECH, INC.
October 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) October 2003	Groundwater Elevation (ft above MSL) July 2003
1S	1.0 / 0.0	62.5	62.24	47-62.5	0.3	152.63	54.03	98.60	104.15
1D	1.9 / 0.0	94.8	95.90	79.5-94.5	-	152.60	54.15	98.45	104.10
3	5.7 / 0.0	75.0	76.16	45-75	-	154.75	58.33	96.42	102.44
4	1.0 / 0.0	75.0	70.30	45-75	4.7	152.37	55.72	96.65	102.60
4A	1.9 / 0.1	107.0	108.56	87-107	-	152.46	55.81	96.65	102.57
5	1.9 / 0.0	75.0	73.16	45-75	1.8	153.26	57.46	95.80	101.89
6A	44.0 / 0.0	30.0	29.05	10-30	0.9	---	---	Dry	Dry
6B	1.0 / 0.0	77.0	75.93	45-75	1.1	149.53	52.29	97.24	102.78
6D	1.9 / 0.1	95.5	90.60	79-94	4.9	150.13	52.82	97.31	102.86
7	2.9 / 0.0	75.0	70.98	45-75	4.0	149.42	52.81	96.61	102.44
8	1.9 / 0.1	71.0	70.10	41-71	0.9	150.17	53.17	97.00	102.79
9	21.1 / 0.0	77.0	75.62	44-77	1.4	152.96	55.90	97.06	102.89
10	1.8 / 0.0	75.0	76.15	45-75	-	153.89	56.88	97.01	102.85
11	1.9 / 0.0	75.5	76.90	55-75	-	155.76	58.53	97.23	103.08
12S	1.8 / 0.1	72.0	74.65	51-72	-	155.79	58.10	97.69	103.52
12D	0.0 / 0.0	101.0	102.75	84.5-100	-	155.72	58.20	97.52	103.37
13S	1.9 / 0.1	70.3	69.25	50.3-70.3	1.1	151.72	54.26	97.46	103.28
13D	1.0 / 0.0	93.3	93.60	78.3-93.3	-	151.68	54.20	97.48	103.25
14S	5.7 / 0.0	71.5	70.75	51.5-71.5	0.8	150.54	54.18	96.36	102.24
14D	1.7 / 0.0	103.3	103.86	88-103	-	150.60	54.36	96.24	102.24
15S	0.0 / 0.0	71.5	71.43	51.5-71.5	0.1	151.01	55.02	95.99	101.99
15D	1.1 / 0.0	123.8	124.10	108.5-123.5	-	150.96	55.27	95.69	101.72
16	-- / 0.0	62.5	62.11	42-62	0.4	150.27	53.32	96.95	105.78

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 October 21, 2003 prior to purging/sampling on-site wells.

Section 6
Groundwater Quality

Historical and recent sampling results are summarized in Appendix B. Analytical results for the last 12 month period, including the most recent quarterly sampling event, are summarized in Tables 6-1 and 6-2. Starting with the July 2001 sampling event, the analytical results were provided electronically by the laboratory and input directly into the project Access database. Laboratory analytical reports for all wells sampled during the October 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 and smaller concentrations of cadmium, 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 (BTEX), appears to originate at the northwestern portion of the site, with highest concentrations at MW-03, MW-11, and MW-04. The third plume consists of TCE and related parameters with highest concentrations generally detected in wells MW-14S, MW-11, MW-09, MW-04 and MW-03.

6.1 Halogenated Volatile Organic Compounds

Table 6-1 shows the analytical results for VOCs in deep and shallow wells sampled during October 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. Concentrations of TCE detected in the shallow and deep zone wells are shown on Figures 6-1 and 6-2, respectively. The highest concentration of TCE detected was 490 µg/L in well MW-14S. This concentration represents an increase from 200 µg/L observed during the previous quarter. The second highest concentration of TCE detected was 380 µg/L in well MW-11, a decrease from the result of 1100 µg/L in the previous quarter. The TCE detected in well MW-11 likely originated from an off-site up gradient source. Of the fourteen wells sampled, twelve wells contained concentrations of TCE that exceeded the MCL of 5 µg/L.

Compared to the previous quarter, TCE concentrations increased in three of the ten shallow wells sampled: MW-06B, MW-14S, and MW-15S. TCE remained the same at well MW-04, at 140 µg/L. TCE concentrations decreased at six of ten wells: MW-01S, MW-03, MW-07, MW-09, MW-11, and MW-16. TCE concentrations ranged from 11 (MW-07) to 490 µg/L (MW-14S).

Compared to previous quarter, TCE concentrations increased at deep wells MW-01D and MW-06D; TCE concentrations decreased at wells MW-04A and MW-15D. Deep-well TCE concentrations ranged from 2.4 (MW-01D) to 130 µg/L (MW-04A). In general, TCE concentrations were lower in the deeper zone than the shallow zone.

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 October 2003 sampling event, other halogenated organics were detected in all sampled 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- and trans-1,2-dichloroethene (cis- and trans-1,2-DCE), carbon tetrachloride, chloromethane, chloroform, methylene chloride, and vinyl chloride.

1,1-DCA was detected in nine of the wells sampled, with detected concentrations ranging from 2.7 (MW-15S) to 210 µg/L (MW-04A). The MCL for 1,1-DCA is 5 µg/L. Compared with the previous quarter, concentrations of 1,1-DCA increased in six of the sampled wells.

1,2-DCA was present above reporting limits in ten of the sampled wells, with concentrations ranging from 0.60 µg/l in MW-15D to 300 µg/L in MW-11. The MCL for 1,2-DCA is 0.5 µg/L. Compared with the previous quarter, concentrations of 1,2-DCA increased in five of ten wells.

1,1-DCE was present above reporting limits in seven sampled wells, with concentrations ranging from 2.4 (MW-15S) to 90 µg/L (MW-14S). The MCL for 1,1-DCE is 6 µg/L.

Detectable concentrations of cis-1,2-DCE were reported in six of the wells sampled. Among wells with detections, concentrations ranged from 2.6 µg/L in MW-01S to 160 µg/L in MW-04. The MCL for cis-1,2-DCE is 6 µg/L.

PCE was detected in nine of the fourteen sampled wells, at concentrations ranging from 1.4 (MW-01D) to 5.3 µg/L (MW-04A). The MCL for PCE is 5 µg/L. PCE was detected above MCL at one well, MW-04A.

Carbon tetrachloride, chloromethane, chloroform, methylene chloride, trans-1,2-DCE, and vinyl chloride were detected at one or two wells. Detections of these other halogenated organic compounds are assumed to be related to the TCE plume. The

presence of trans-1,2-dichloroethene and vinyl chloride could be a result of anaerobic degradation of TCE.

6.2 Aromatic Volatile Organic Compounds

According to PTI personnel, with the exception of methylene chloride, 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 October 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 from the north and has migrated onto the subject property. During previous sampling events, elevated concentrations of toluene, ethylbenzene and xylenes were detected in wells MW-11 and MW-03 along the northern perimeter of the property.

The highest BTEX concentrations were observed at MW-03, located along the northern perimeter of the facility. The total BTEX concentration was 1812.5 µg/L. For the purposes of this calculation, non-detected parameters are counted as equal to their reporting limits. BTEX has not been detected at well MW-03 since January 2003.

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 downgradient. 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. Concentrations have fluctuated significantly at MW-11 since January 2002. The October 2003 total BTEX concentration in well MW-11 was 790 µg/L.

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.

Benzene

Benzene was detected in four of the fourteen wells sampled during October 2003. They are MW-01D, MW-15D, MW-03, and MW-04A. Benzene detections ranged from 1.2 (MW-01D) to 17 µg/L (MW-04A). The benzene MCL is 1 µg/L. Historical evidence indicates that benzene is not a contaminant of concern for the facility.

Toluene

During the October 2003 sampling event, toluene was not detected above the reporting limit in any of the 14 wells sampled. In general, toluene has historically occurred sporadically in most of the wells on site. Elevated 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 xylenes concentrations have generally been associated with elevated toluene concentrations.

Ethylbenzene

During the October 2003 sampling round, ethylbenzene was detected at wells MW-06D, MW-14S, MW-04, MW-11, and MW-03. Ethylbenzene concentrations ranged from 1.6 (MW-06D) to 1600 µg/L (MW-03). The MCL for ethylbenzene is 700 µg/L. Ethylbenzene was detected above MCL at two wells, MW-11 and MW-03, at 710 and 1600 µg/L, respectively.

Total Xylenes

During the October 2003 sampling event, total xylenes were detected at one well, MW-03, at 209 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 of the past year.

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 four of the fourteen wells sampled. Detections ranged from 0.002 (MW-06D) to 20 mg/L (MW-04). Figure 6-4 shows the concentrations of hexavalent chromium detected in the shallow wells during October 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 generally 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. However, the highest detected concentration of hexavalent chromium has historically been observed 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 0.99 mg/L during 17 of the last 32 sampling events. Well MW-14S had a hexavalent chromium concentration of 0.99 mg/L in October 2003.

Hexavalent chromium concentrations decreased in MW-09 between October 1989 and January 1991. Between January 1992 and July 1998 hexavalent chromium concentrations were not detected, except for a trace amount detected in October 1991. Between October 1998 and October 2003, thirteen of the nineteen sampling events indicated detectable concentrations of hexavalent chromium in well MW-09. During the October 2003 sampling event, hexavalent chromium was detected in well MW-09 at a concentration of 13 mg/L.

Total Chromium (Cr)

Total chromium was detected above its reporting limit in three monitoring wells during the October 2003 sampling event. Chromium concentrations ranged from 0.33 (MW-14S) to 21 mg/L (MW-04). Figure 6-6 shows the concentrations of total chromium detected in shallow monitoring wells during October 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 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 October 2003 sampling event, cadmium was detected at three monitoring wells. Concentrations ranged from 0.0057 (MW-15S) to 0.24 mg/L (MW-04). Figure 6-8 shows the cadmium concentrations detected in the on-site wells during October 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. 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 six of the sampled wells. Concentrations ranged between 0.014 mg/L in well MW-06D to 0.03 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 October 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 on the field purge sheets during well purging. In October 2003, the field measurements of pH generally correlated with the values shown in Table 6-2, which range from 6.71 (MW-14S) to 7.84 (MW-06D).

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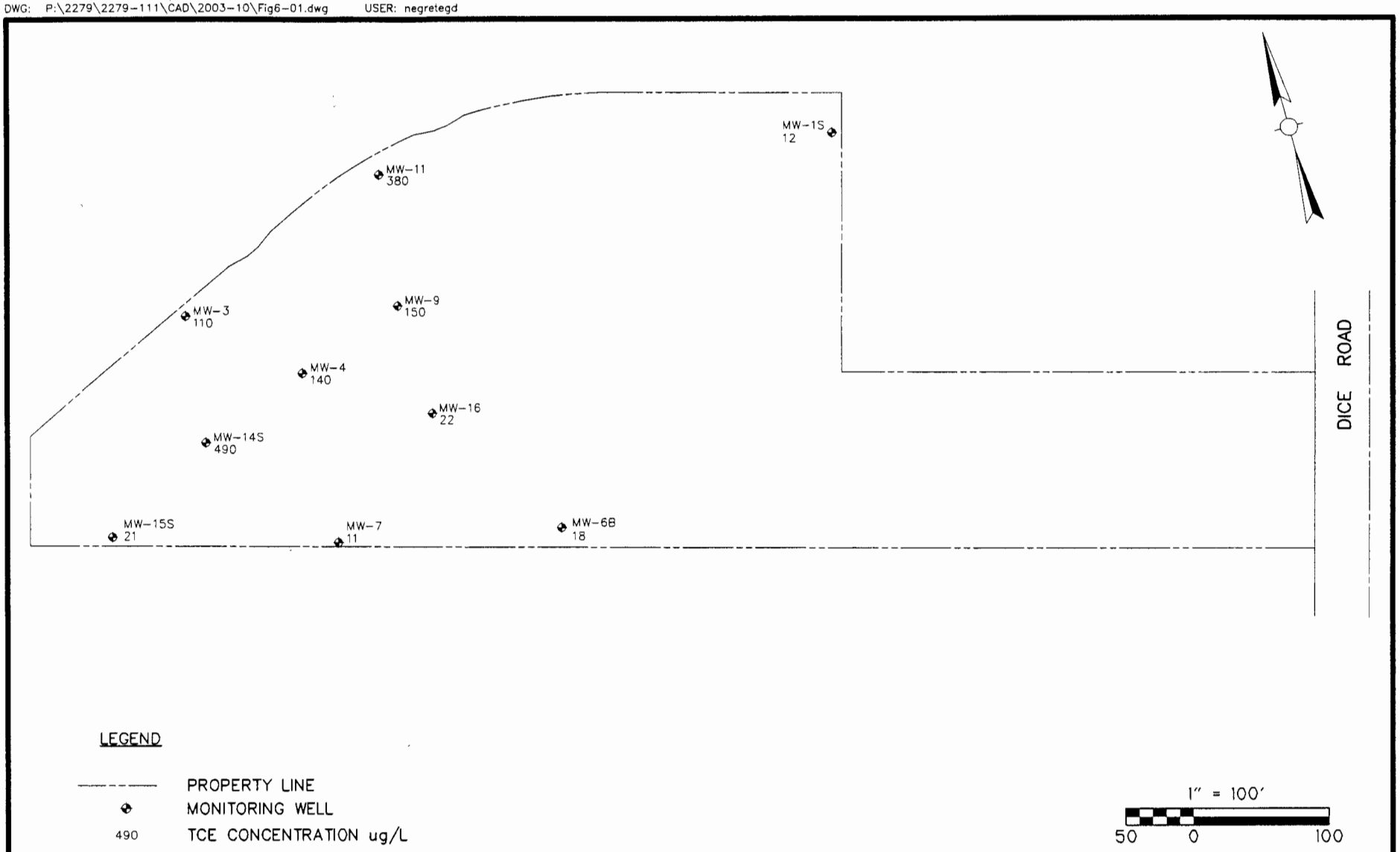

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

TCE Concentrations - Shallow Wells
October 2003

CDM

Figure 6-1

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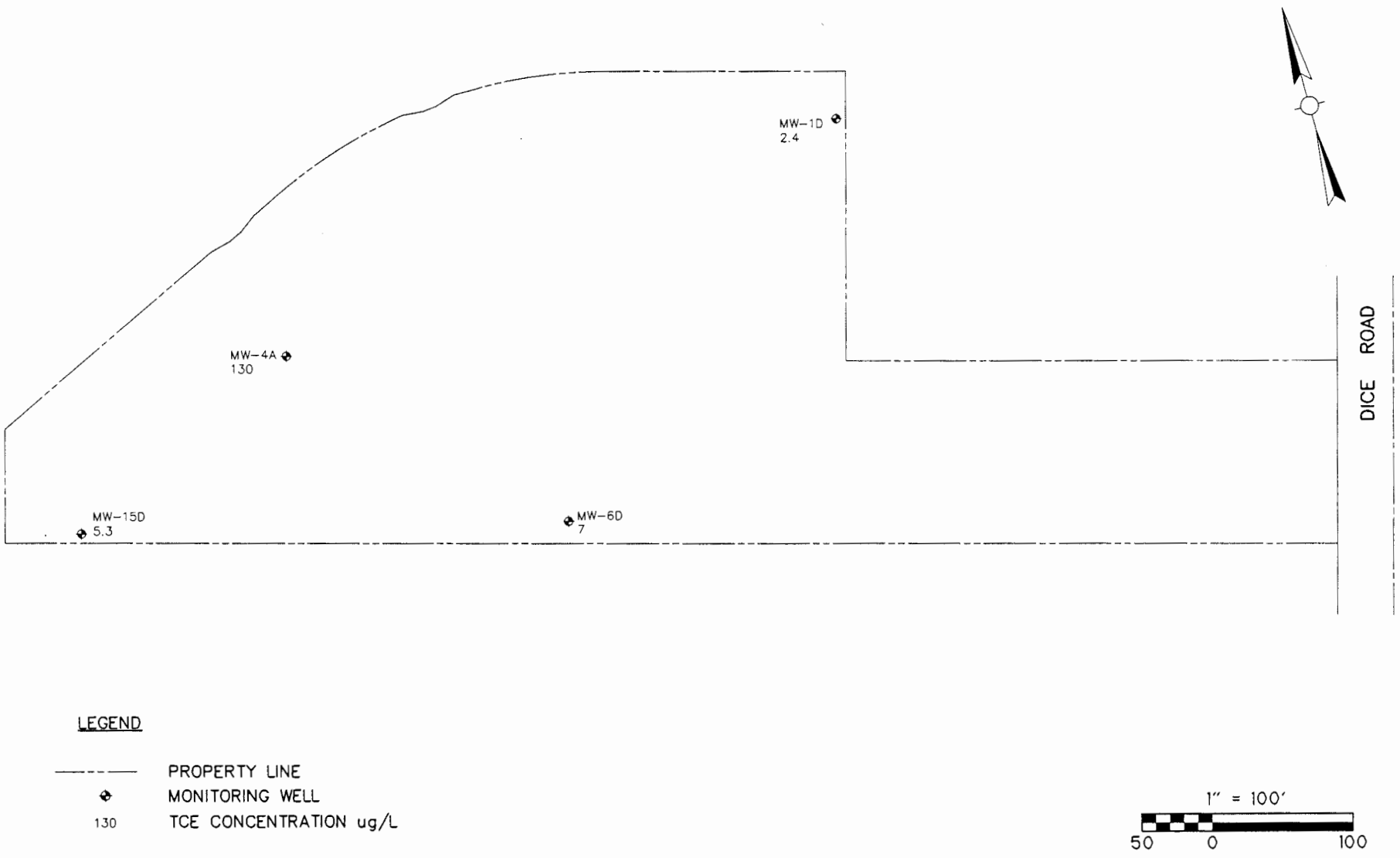

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

TCE Concentrations - Deep Wells
October 2003

CDM

Figure 6-2

DATE: Jan 09, 2004 4:12pm XREFS:
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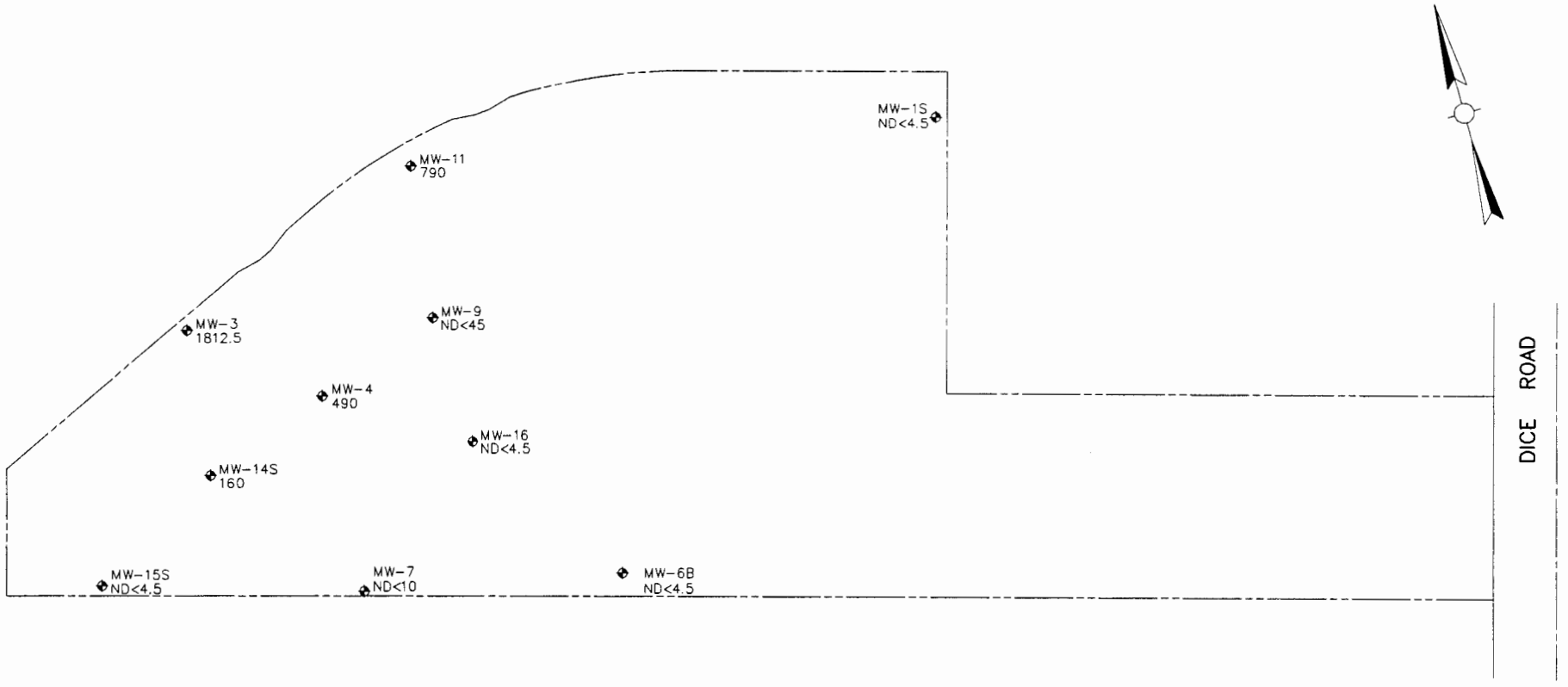

LEGEND

——- - ——	PROPERTY LINE
◆	MONITORING WELL
790	TOTAL BTEX CONCENTRATION (ug/L) – Non-detected parameters are counted as equal to their reporting limits
ND	NOT DETECTED
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENE

1" = 100'

50 0 100

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

Total BTEX Concentrations - Shallow Wells
October 2003

CDM

Figure 6-3

DATE: Jan 06, 2004 5:48pm XREFS:
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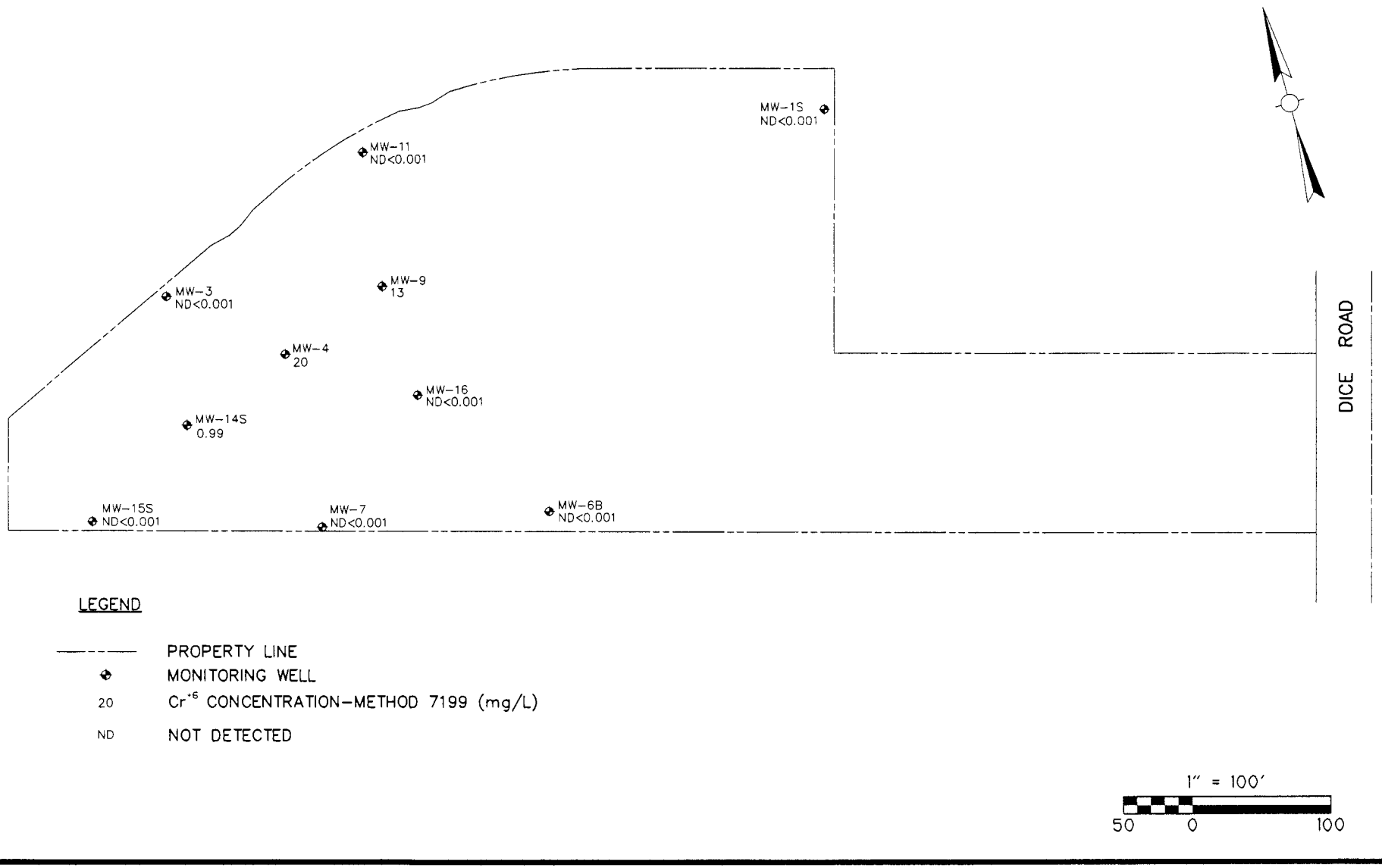

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Hexavalent Chromium Concentrations - Shallow Wells
October 2003

CDM

Figure 6-4

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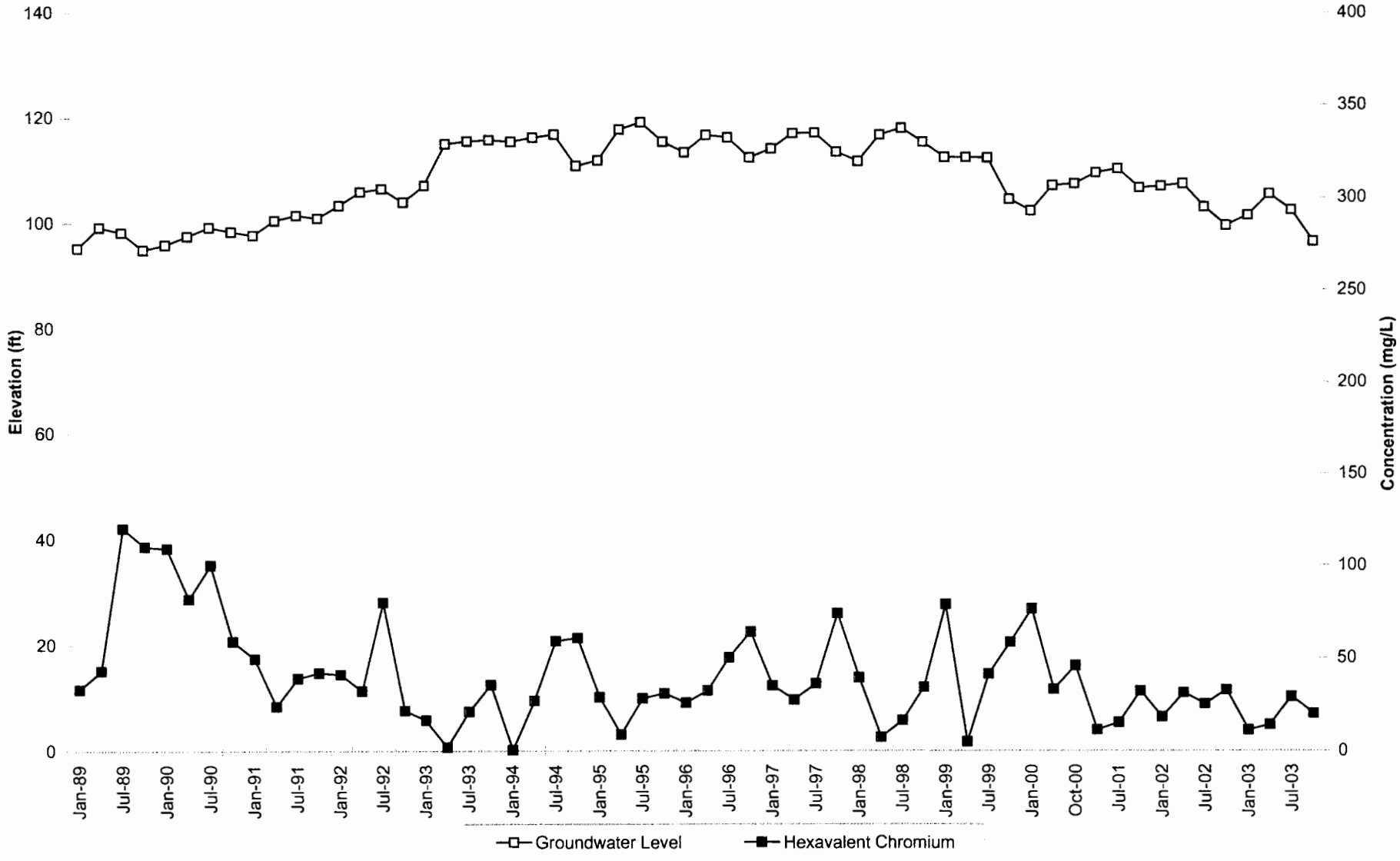

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

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

CDM

Figure 6-5

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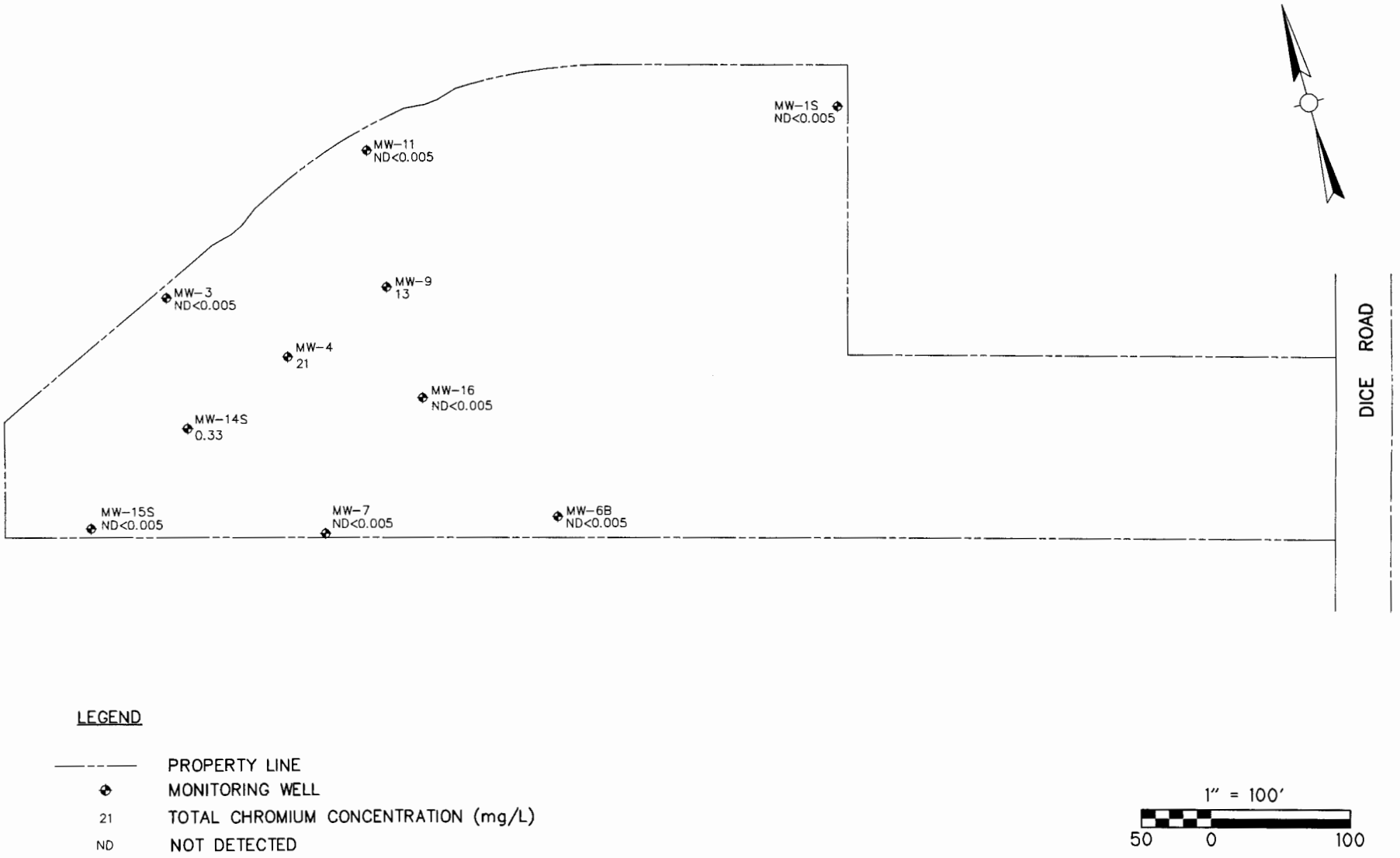

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Total Chromium Concentrations - Shallow Wells
October 2003

CDM

Figure 6-6

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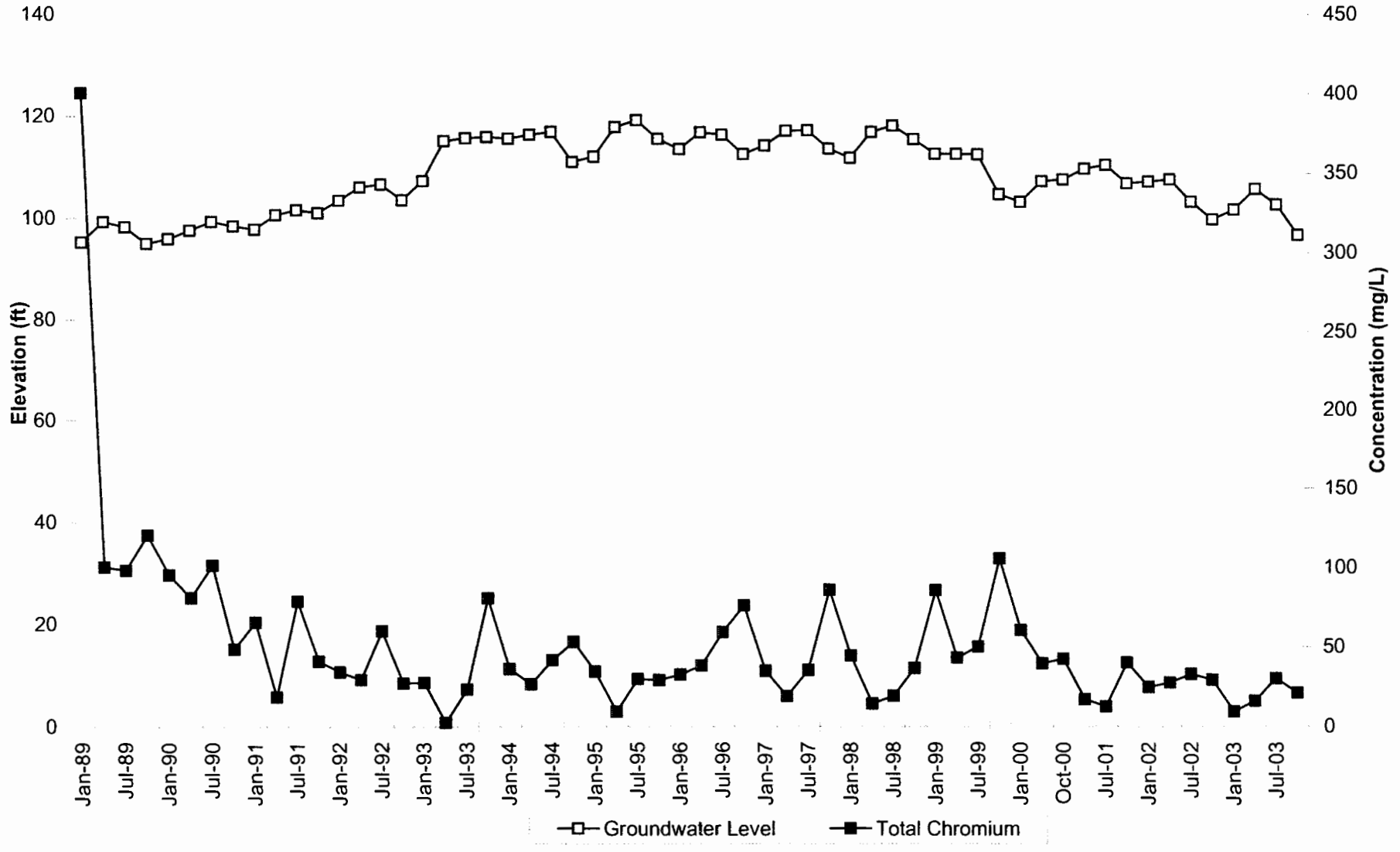

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

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

CDM

Figure 6-7

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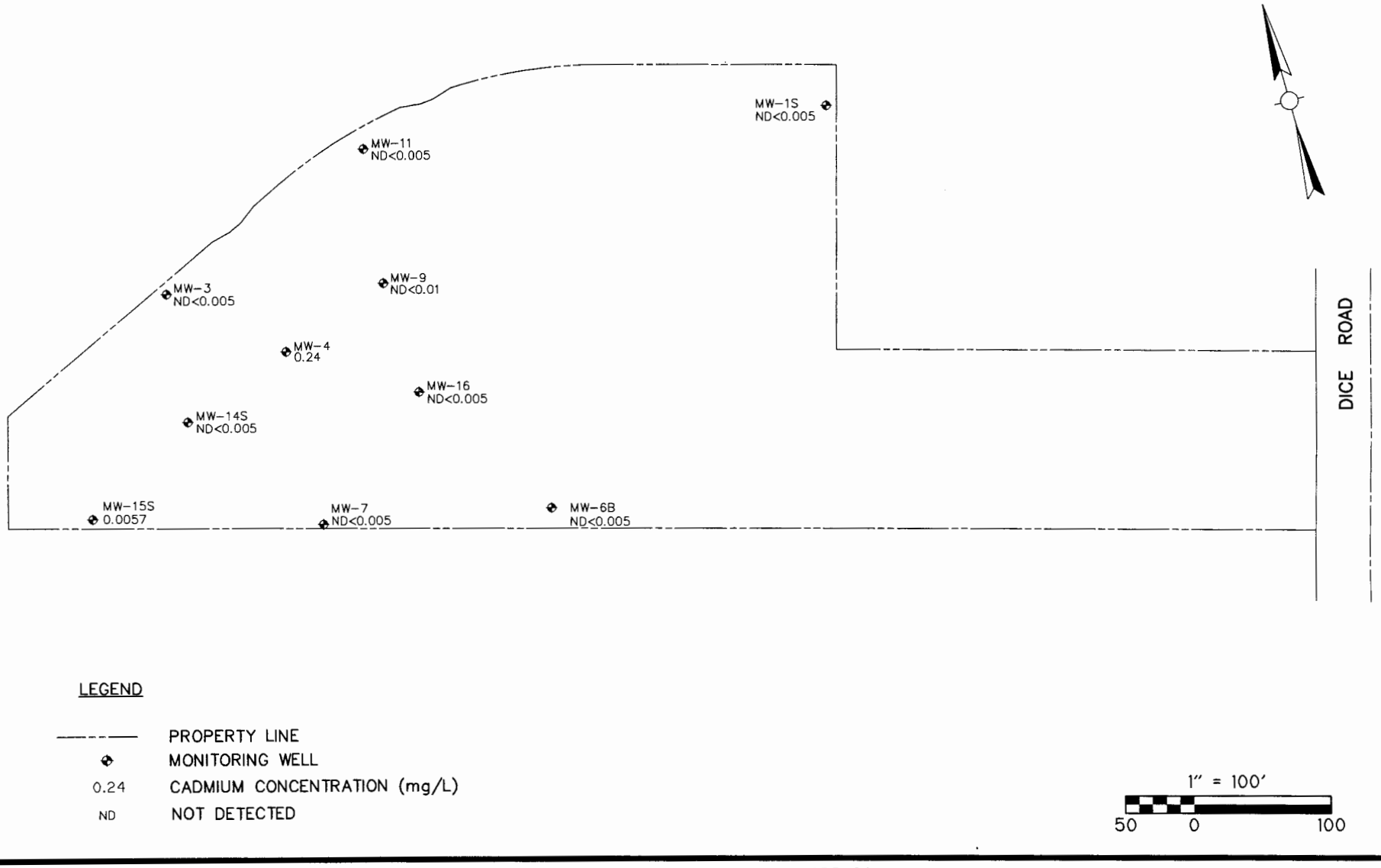

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Cadmium Concentrations - Shallow Wells
October 2003

CDM

Figure 6-8

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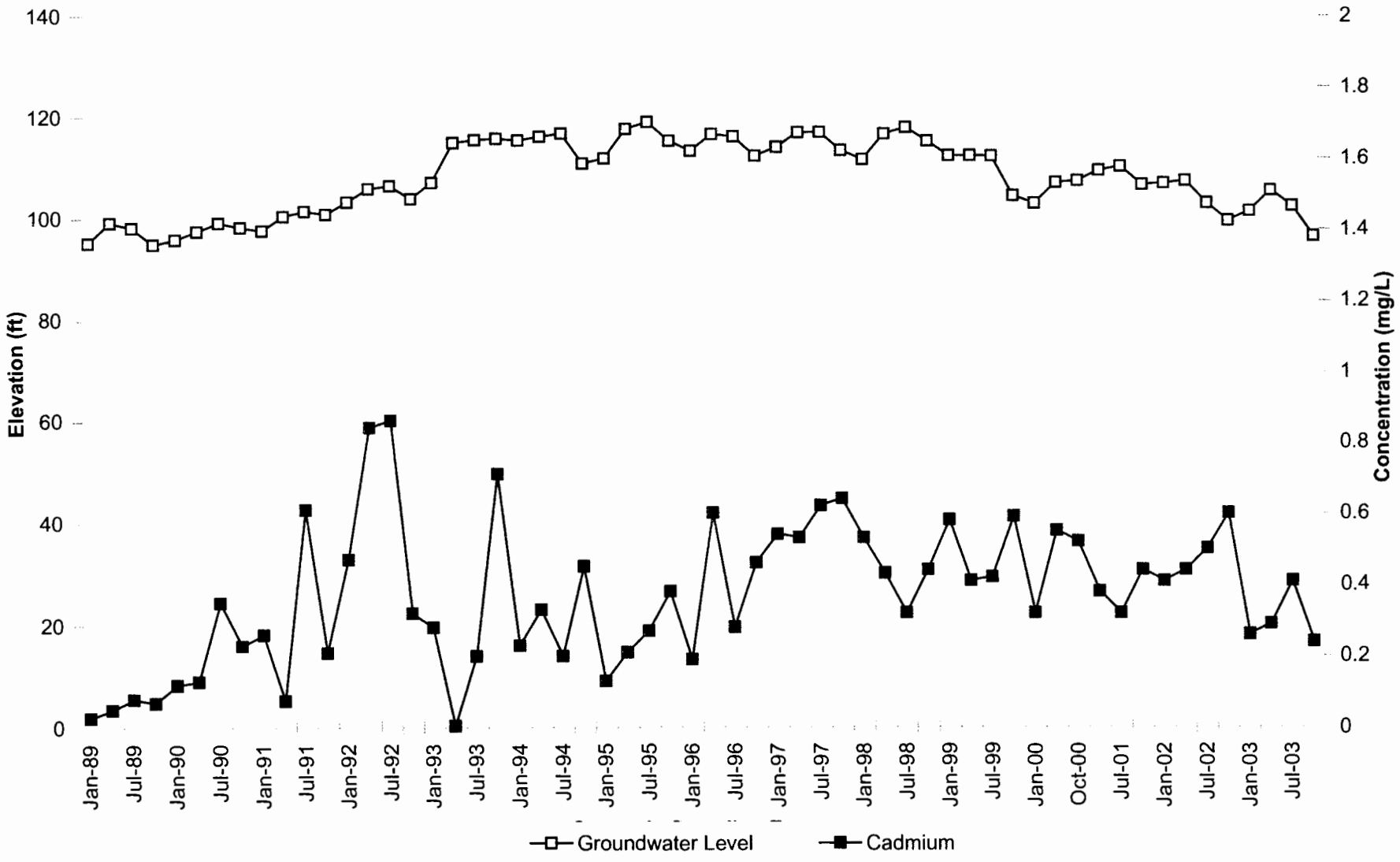

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

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

CDM

Figure 6-9

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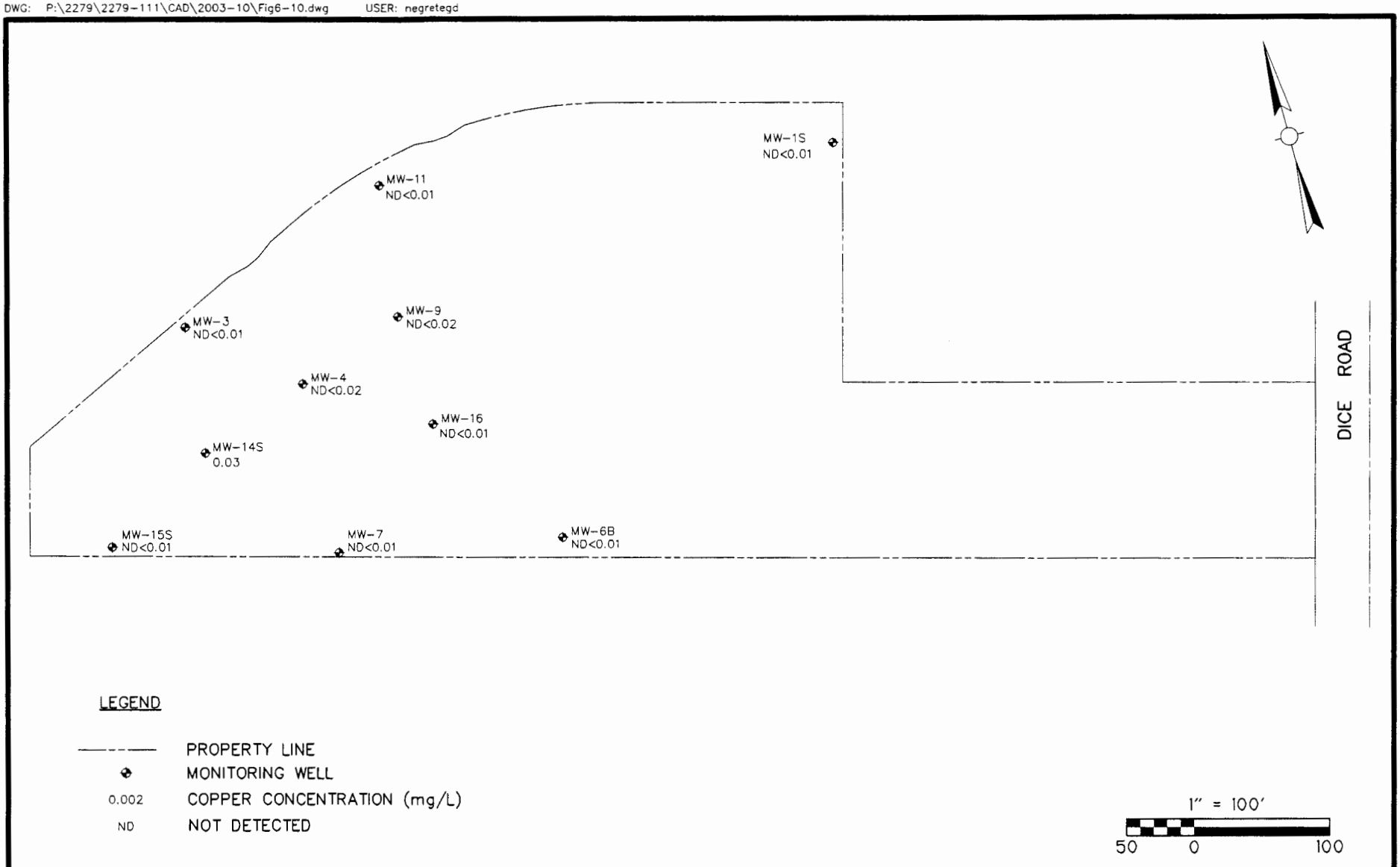

PHIBRO-TECH, INC., SANTA FE SPRINGS, CA

Copper Concentrations - Shallow Wells
October 2003

CDM

Figure 6-10

Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - October 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	10/22/02		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
	01/08/03		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
	04/23/03		0.5 U	1 U	1 U	2 U	1.8	1 U	1.9	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
	07/30/03		0.98	1 U	1 U	2 U	1.6	1 U	1.6	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
	10/21/03		1.2	1 U	1 U	2 U	1.4	1 U	2.4	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
MW-01S	10/22/02		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
	01/08/03		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
	04/23/03		0.5 U	1 U	1 U	2 U	1 U	1 U	11	1 U	1.8	0.5 U	0.5 U	1 U	8	1 U	5 U
	07/29/03		0.5 U	1 U	1 U	2 U	1 U	1 U	13	1 U	1.8	0.67	0.5 U	1 U	6.5	1 U	5 U
	10/21/03		0.5 U	1 U	1 U	2 U	1.5	1 U	12	1 U	1 U	1.1	0.5 U	1 U	2.6	1 U	5 U
MW-03	10/22/02		10 U	10 U	63	700	10 U	10 U	190	30	17	25	10 U	13	10 U	10 U	10 U
	01/08/03		1.6	2 U	2 U	2.3	5.6	2 U	250	48	32	15	22	27	2 U	2 U	10 U
	04/23/03		1 U	2 U	2 U	4 U	8.3	2 U	190	34	34	3.8	46	47	2 U	2 U	10 U
	07/29/03		2.5 U	5 U	5 U	10 U	11	5 U	280	34	37	6	70	72	5 U	5 U	25 U
	10/21/03		2.5	1 U	1600	209 M2	4	1 U	110 M-HA	18	19	9	17	18	12	1 U	5 U
MW-04	10/23/02		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
	12/30/02		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
	04/25/03		5.6	5 U	540	31	5 U	5 U	130	83	150	150	2.5 U	17	210	5 U	68
		K	5.6	5 U	500	28.4	5 U	5 U	140	83	150	160	2.5 U	18	220	5 U	75
	07/30/03		5.8	5 U	5 U	10 U	5 U	5 U	140	78	160	56	2.5 U	25	230	5 U	96
		K	7	10 U	10 U	20 U	10 U	10 U	150	80	170	59	5 U	25	250	10 U	100
	10/23/03		20 U	20 U	410	40 U	20 U	20 U	140	65	150	53	50 U	20 U	160	20 U	61
		K	8 U	8 U	390	4 U	8 U	8 U	150	73	160	55	20 U	13	180	8 U	58
MW-04A	10/23/02		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
	01/09/03		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

Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - October 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	04/24/03		1.7	1 U	1 U	2 U	5.3	2.9	110	37	150	0.5 U	0.5 U	7	13	2.2	5 U
	07/30/03		2.2	4 U	4 U	8 U	6.8	4	150	47	230	2 U	2 U	9.2	16	4 U	20 U
	10/21/03		17	4 U	4 U	8 U	5.3	4 U	130	26	210	2 U	2 U	8.9	13	4 U	20 U
MW-06B	10/23/02		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
	01/09/03		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
	04/24/03		0.5 U	1 U	1 U	2 U	1.6	1 U	15	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1.2	1 U	13	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
	10/22/03		0.5 U	1 U	1 U	2 U	4.4	1 U	18	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
MW-06D	10/23/02		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
	01/08/03		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
	04/24/03		0.5 U	1 U	1 U	2 U	1.9	1 U	8.8	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1 U	1 U	4.1	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
	10/22/03		0.5 U	1 U	1.6	2 U	1.6	1 U	7	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U
MW-07	10/23/02		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
	12/30/02		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
	04/24/03		0.5 U	1 U	1 U	2 U	1.7	1 U	59	7.4	48	18	0.5 U	1.8	13	1.1	5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1.7	1 U	60	8.5	52	20	0.5 U	1.6	16	1.7	5 U
	10/23/03		2 U	2 U	2 U	4 U	2 U	2 U	11	5 U	5.8	3.3	5 U	2 U	2 U	2 U	5 U
MW-09	10/24/02		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
	01/09/03		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
	04/25/03		2.5 U	5 U	5 U	10 U	6	5.6	240	55	180	180	2.5 U	80	12	5 U	25 U
		K	2.5 U	5 U	5 U	10 U	5.5	5.8	250	58	200	170	2.5 U	86	13	5 U	25 U
	07/31/03		5 U	10 U	10 U	20 U	10 U	10 U	480	120	370	330	5 U	160	20	10 U	84
		K	2.5 U	5 U	5 U	10 U	9	7.2	460	120	390	310	2.5 U	170	22	5 U	81
	10/22/03		5 U	10 U	10 U	20 U	10 U	10 U	150	38	130	140	5 U	74	10 U	10 U	190
		K	1 U	2 U	2 U	4 U	4.1	2 U	130	32	120	140	1 U	66	4.3	2 U	140

Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - October 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	10/24/02		10 U	10 U	390	20 U	10 U	10 U	700	59	140	130	10 U	24	39	10 U	10 U
	12/30/02		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
	04/25/03		2.5 U	5 U	5 U	10 U	5 U	5 U	410	40	120	16	2.5 U	13	29	5 U	25 U
	07/31/03		5 U	10 U	210	94	10 U	10 U	1100	96	370	5.4	5 U	50	44	10 U	50 U
	10/23/03		20 U	20 U	710	40 U	20 U	20 U	380	50 U	56	300	50 U	20 U	46	20 U	50 U
MW-14S	10/23/02		5 U	5 U	14	10 U	5 U	5 U	360	71	85	6.9	15	28	9	5 U	5 U
	12/30/02		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
	04/24/03		2.6	4 U	240	15.4	4 U	4 U	160	37	47	36	6.6	12	10	4 U	20 U
	07/30/03		1.4	1 U	49	2 U	3.3	1 U	200	59	79	19	11	26	8.5	1 U	5 U
	10/23/03		20 U	20 U	80	40 U	20 U	20 U	490	90	110	46	50 U	37	20 U	20 U	50 U
MW-15D	10/22/02		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
	01/08/03		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
	04/23/03		2.3	1 U	1 U	2 U	2	1 U	7.6	1 U	1 U	1.3	0.5 U	1 U	1 U	1 U	5 U
	07/30/03		1.4	1 U	1 U	2 U	4.1	1 U	8.1	1 U	1 U	0.77	0.5 U	1 U	1 U	1 U	5 U
	10/21/03		1.9	1 U	1 U	2 U	2.3	1 U	5.3	1 U	1 U	0.6	0.5 U	1 U	1 U	1 U	5 U
MW-15S	10/23/02		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
	01/08/03		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
	04/24/03		0.5	1 U	1 U	2 U	1 U	1 U	3.2	1 U	1 U	12	0.5 U	2	1 U	1 U	5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1.2	1 U	5.1	1 U	1 U	13	4.5	21	1 U	1 U	5 U
	10/22/03		0.5 U	1 U	1 U	2 U	2.2	1 U	21	2.4	2.7	22	2	11	1 U	1 U	5 U
MW-16	10/24/02		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
	01/09/03		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
	04/24/03		0.5 U	1 U	8.3	2 U	2.2	1 U	20	7	63	14	0.5 U	1 U	6.1	1.3	5 U
	07/31/03		0.51	1 U	1.5	2 U	2.3	1 U	38	19	180	25	0.5 U	1	29	6.1	5 U
	10/22/03		0.5 U	1 U	1 U	2 U	1.5	1 U	22	11	100	10	0.5 U	1 U	25	4.2	5 U

Table 6-1
Phibro-Tech, Inc.
Groundwater Analytical Results - October 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.
M-HA = Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
M2 = The MS and/or MSD were below acceptance limits due to sample matrix interference.
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 - October 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	10/22/02		7.4	0.005 U	0.01 U	0.001 U	0.025 U
	01/08/03		7.29	0.005 U	0.0015 J	0.001 U	0.022
	04/23/03		7.14	0.005 U	0.005 U	0.001 U	0.01 U
	07/30/03		7.55	0.005 U	0.024	0.001 U	0.013
	10/21/03		7.44	0.005 U	0.005 U	0.001 U	0.021
MW-01S	10/22/02		6.9	0.005 U	0.01 U	0.001 U	0.025 U
	01/08/03		6.78	0.005 U	0.0024 J	0.001 U	0.01 U
	04/23/03		6.86	0.01 RL-3,U	0.01 RL-3,U	0.001 U	0.02 RL-3,U
	07/29/03		6.76	0.01 RL-3,U	0.01 RL-3,U	0.001 U	0.03 RL-3
	10/21/03		6.94	0.005 U	0.005 U	0.001 U	0.01 U
MW-03	10/22/02		7.2	0.005 U	0.01 U	0.001 U	0.025 U
	01/08/03		6.98	0.005 U	0.005 U	0.001 U	0.01
	04/23/03		7.08	0.005 U	0.005 U	0.001 U	0.01 U
	07/29/03		7.09	0.005 U	0.005 U	0.001 U	0.01 U
	10/21/03		7.3	0.005 U	0.005 U	0.001 U	0.01 U
MW-04	10/23/02		6.7	0.6	29	32.6	0.12 U
		K	6.7	0.63	30.6	30.3	0.12 U
	12/30/02		7.39	0.26	9.2	11	0.02 RL-3,U
		K	6.71	0.25	9.4	9.4	0.02 RL-3,U
	04/25/03		6.92	0.29	16	14	0.02 RL-3,U
		K	6.99	0.29	16	20	0.02 RL-3,U
	07/30/03		6.88	0.41	30	29	0.03 RL-1,U
		K	6.83	0.47	37	33	0.05 RL-1,U
	10/23/03		6.85	0.24	21	20	0.02 RL-1,U
		K	6.74	0.21	18	21	0.02 RL-3,U
MW-04A	10/23/02		7.3	0.005 U	0.01 U	0.0061	0.025 U
	01/09/03		7.29	0.005 U	0.0089	0.0058	0.023
	04/24/03		7.17	0.005 U	0.0077	0.0055	0.035
	07/30/03		6.92	0.005 U	0.005 U	0.0029	0.024
	10/21/03		7.02	0.005 U	0.005 U	0.001 U	0.025
MW-06B	10/23/02		7.3	0.005 U	0.01 U	0.001 U	0.025 U
	01/09/03		7.18	0.005 U	0.0097	0.0068	0.01 U
	04/24/03		7.43	0.005 U	0.0078	0.0073	0.01 U
	07/30/03		7.73	0.005 U	0.005 U	0.0043 O-09	0.01
	10/22/03		7.63	0.005 U	0.005 U	0.001 U	0.01 U
MW-06D	10/23/02		7.4	0.005 U	0.01 U	0.0025	0.043
	01/08/03		7.41	0.005 U	0.002 J	0.0018	0.012
	04/24/03		7.23	0.005 U	0.005 U	0.0021	0.01 U
	07/30/03		7.28	0.005 U	0.005 U	0.0023 O-09	0.014

CDM

Table 6-2
Phibro-Tech, Inc.
Groundwater Analytical Results - October 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	10/22/03		7.84	0.005 U	0.005 U	0.002	0.014
MW-07	10/23/02		7.5	0.005 U	0.01 U	0.001 U	0.025 U
	12/30/02		7.45	0.005 U	0.005 U	0.001 U	0.01 U
	04/24/03		6.97	0.005 U	0.005 U	0.001 U	0.032
	07/30/03		6.75	0.005 U	0.005 U	0.00038 O-09	0.01 U
	10/23/03		7.31	0.005 U	0.005 U	0.001 U	0.01 U
MW-09	10/24/02		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
	01/09/03		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
	04/25/03		7.24	0.005 U	0.27	0.25	0.01 U
		K	6.83	0.005 U	0.28	0.26	0.01 U
	07/31/03		6.69	0.005 U	2.2	2.1	0.01 U
		K	6.66	0.005 U	2.2	2.2	0.01 U
	10/22/03		7.23	0.01 RL-1,U	13	13	0.02 RL-1,U
		K	7.26	0.01 RL-1,U	13	13	0.02 RL-1,U
MW-11	10/24/02		7.1	0.005 U	0.01 U	0.001 U	0.025 U
	12/30/02		7.03	0.005 U	0.005 U	0.001 U	0.01 U
	04/25/03		7.29	0.005 U	0.005 U	0.001 U	0.01 U
	07/31/03		6.73	0.005 U	0.005 U	0.0012	0.01 U
	10/23/03		7.23	0.005 U	0.005 U	0.001 U	0.01 U
MW-14S	10/23/02		7	0.0074	0.42	0.42	0.04
	12/30/02		7.09	0.005 U	0.014	0.0042	0.042
	04/24/03		7.24	0.005 U	0.02	0.001 U	0.029
	07/30/03		6.86	0.0066	0.15	0.12	0.052
	10/23/03		6.71	0.005 U	0.33	0.99	0.03
MW-15D	10/22/02		7.5	0.005 U	0.01 U	0.0016	0.025 U
	01/08/03		7.52	0.005 U	0.0031 J	0.001 U	0.017
	04/23/03		7.48	0.005 U	0.005 U	0.001 U	0.01 U
	07/30/03		7.26	0.005 U	0.005 U	0.0003 O-09,U	0.01 U
	10/21/03		7.72	0.005 U	0.005 U	0.001 U	0.01 U
MW-15S	10/23/02		7.4	0.005 U	0.01 U	0.0035	0.025 U
	01/08/03		7.22	0.0053	0.0042 J	0.0042	0.01 U
	04/24/03		7.19	0.005 U	0.0064	0.0059	0.01 U
	07/30/03		7.02	0.005 U	0.005 U	0.0022 O-09	0.01 U
	10/22/03		7.7	0.0057	0.005 U	0.001 U	0.01 U
MW-16	10/24/02		6.9	0.005 U	0.01 U	0.0051	0.025 U
	01/09/03		6.84	0.005 U	0.0057	0.0043	0.01
	04/24/03		7.12	0.005 U	0.0051	0.0041	0.01 U

Table 6-2
Phibro-Tech, Inc.
Groundwater Analytical Results - October 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	07/31/03		6.82	0.005 U	0.005 U	0.004	0.01 U
	10/22/03		7.34	0.005 U	0.005 U	0.001 U	0.01 U

Notes:
Califomia 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 shown
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-1 = Reporting Limit elevated due to matrix interference.
RL-3 = Reporting Limit elevated due to interference from other analytes.
O-09 = This sample was received with the EPA recommended holding time expired.
Analyte not analyzed or not reported if left blank.

Sample Type:
K = Split sample

Section 7
Statistical Evaluation

The following sections 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 2003 monitoring event). The frequencies of detection for each parameter in the background well and onsite 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 the test fails if a compound in on-site monitoring wells exceeds background if it is higher than the UPL for 2 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. Appendix 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-1D (total chromium and benzene), MW-3 (TCE), MW-4 (benzene, hexavalent chromium, total chromium, and TCE), MW-4A (benzene and TCE), MW-7 (TCE), MW-9 (hexavalent chromium, total chromium, and TCE), MW-11 (ethylbenzene, total xylenes, and TCE), MW-14S (hexavalent chromium, total chromium, benzene, ethylbenzene, and TCE), MW-15D (benzene), and MW-16 (benzene and TCE). These results are very similar to those presented in previous monitoring reports. However, 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 October 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

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 draft sampling and analysis plan finalized. Based on approximately 18 years of quarterly monitoring at the site, off-site migration of the soluble metals plume has not been observed.

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

Wells	Volatile Organic Compounds (EPA 8260B)	Chromium, Cadmium, Copper (EPA 6010B)	Hexavalent Chromium (EPA 7199)	pH (EPA 150.1)	Appendix IX
MW-01S	X	X	X	X	--
MW-01D	X	X	X	X	--
MW-03	X	X	X	X	--
MW-04	X	X	X	X	X
MW-04A	X	X	X	X	--
MW-06B	X	X	X	X	--
MW-06D	X	X	X	X	--
MW-07	X	X	X	X	X
MW-09	X	X	X	X	--
MW-11	X	X	X	X	X
MW-14S	X	X	X	X	X
MW-15S	X	X	X	X	--
MW-15D	X	X	X	X	--
MW-16	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 the Appendix IX analytical suite on December 30, 2002. Appendix IX results were presented in the October 2002 Quarterly Sampling Report and 2002 Annual Groundwater Monitoring Report submitted February 28, 2003. Appendix IX sampling and analysis was also performed during the October 2003 sampling event, with the results discussed in Appendix G of this document.

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 January 2004. 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 of all wells except MW-02 will also be measured.

Section 9
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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

Table A-3
Phibro-tech, Inc.
Appendix IX Parameters
Typical Detection Limits

Analytical Parameter	Detection Limit	Units
1,2,4,5-Tetrachlorobenzene	10	ug/l
1,2,4-TRICHLOROBENZENE	10	ug/l
1,2-DICHLOROBENZENE	10	ug/l
1,3,5-Trinitrobenzene	10	ug/l
1,3-DICHLOROBENZENE	10	ug/l
1,3-Dinitrobenzene	20	ug/l
1,4-DICHLOROBENZENE	10	ug/l
1,4-Naphthoquinone	20	ug/l
1,4-Phenylenediamine	50	ug/l
1-Naphthylamine	10	ug/l
2,3,4,6-Tetrachlorophenol	10	ug/l
2,4,5-T	1	ug/l
2,4,5-TP (SILVEX)	1	ug/l
2,4,5-TRICHLOROPHENOL	10	ug/l
2,4,6-TRICHLOROPHENOL	10	ug/l
2,4-DB	1	ug/l
2,4-DICHLOROPHENOL	10	ug/l
2,4-DICHLOROPHENOXY-ACETIC ACID	1	ug/l
2,4-DIMETHYLPHENOL	10	ug/l
2,4-DINITROPHENOL	50	ug/l
2,4-DINITROTOLUENE	10	ug/l
2,6-Dichlorophenol	10	ug/l
2,6-DINITROTOLUENE	10	ug/l
2-Acetylaminofluorene	20	ug/l
2-CHLORONAPHTHALENE	10	ug/l
2-CHLOROPHENOL	10	ug/l
2-METHYLNAPHTHALENE	10	ug/l
2-METHYLPHENOL	10	ug/l
2-Naphthylamine	10	ug/l
2-NITROANILINE	50	ug/l
2-NITROPHENOL	10	ug/l
2-Picoline	10	ug/l
3,3´-Dichlorobenzidine	20	ug/l
3,3´-Dimethylbenzidine	10	ug/l
3-Methylcholanthrene	10	ug/l
3-Methylphenol	10	ug/l
3-NITROANILINE	50	ug/l
4,4'-DDD	0.1	ug/l
4,4'-DDE	0.1	ug/l
4,4'-DDT	0.1	ug/l
4,6-DINITRO-2-METHYLPHENOL	50	ug/l
4-Aminobiphenyl	20	ug/l
4-BROMOPHENYL-PHENYL ETHER	10	ug/l
4-CHLORO-3-METHYLPHENOL	20	ug/l
4-CHLOROANILINE	20	ug/l
4-CHLOROPHENYL-PHENYL ETHER	10	ug/l
4-METHYLPHENOL	10	ug/l
4-NITROANILINE	50	ug/l
4-NITROPHENOL	50	ug/l

Table A-3
Phibro-tech, Inc.
Appendix IX Parameters
Typical Detection Limits

Analytical Parameter	Detection Limit	Units
4-Nitroquinoline-n-oxide	50	ug/l
5-Nitro-o-toluidine	10	ug/l
7,12-Dimethylbenz (a) anthrace	10	ug/l
a,a-Dimethylphenethylamine	10	ug/l
ACENAPHTHENE	10	ug/l
ACENAPHTHYLENE	10	ug/l
Acetophenone	10	ug/l
ALDRIN	0.1	ug/l
ALPHA-BHC	0.1	ug/l
ANILINE	10	ug/l
ANTHRACENE	10	ug/l
ANTIMONY	0.02	mg/l
Aramite	200	ug/l
ARSENIC	0.01	mg/l
AZINPHOS-METHYL	1.2	ug/l
BARIUM	0.02	mg/l
BENZO (B & K) FLOURANTHENES	10	ug/l
BENZO(A)ANTHRACENE	10	ug/l
BENZO(A)PYRENE	10	ug/l
BENZO(G,H,I)PERYLENE	10	ug/l
BENZYL ALCOHOL (PHENYLMETHANOL)	20	ug/l
BERYLLIUM	0.008	mg/l
BETA-BHC	0.1	ug/l
BIS(2-CHLOROETHOXY)METHANE	10	ug/l
BIS(2-CHLOROETHYL)ETHER	10	ug/l
BIS(2-CHLOROISOPROPYL)ETHER	10	ug/l
BIS(2-ETHYLHEXYL)PHTHALATE	10	ug/l
BOLSTAR	0.59	ug/l
BUTYL BENZYL PHTHALATE	10	ug/l
CHLORDANE	1	ug/l
CHLOROBENZILATE	10	ug/l
CHLOROPYRIFOS	0.59	ug/l
CHRYSENE	10	ug/l
COBALT	0.02	mg/l
COUMAFOS	1.2	ug/l
CYANIDE, TOTAL	0.025	mg/l
DALAPON (2,2 DICHLOROPROPANOIC ACID)	1	ug/l
DELTA-BHC	0.2	ug/l
DEMETON	0.59	ug/l
Diallate (cis or trans)	10	ug/l
DIAZINON	0.59	ug/l
DIBENZO(A,H)ANTHRACENE	10	ug/l
DIBENZOFURAN (DIPHENYLENE OXIDE)	10	ug/l
Dicamba	1	ug/l
Dichlorprop	1	ug/l
Dichlorvos	0.59	ug/l
DIELDRIN	0.1	ug/l
DIETHYL PHTHALATE	10	ug/l
DIMETHOATE	1.2	ug/l

Table A-3
Phibro-tech, Inc.
Appendix IX Parameters
Typical Detection Limits

Analytical Parameter	Detection Limit	Units
DIMETHOATE	20	ug/l
DIMETHOATE (CYGON)	1.2	ug/l
DIMETHOATE (CYGON)	20	ug/l
DIMETHYL PHTHALATE	10	ug/l
Dimethylaminoazobenzene	10	ug/l
DI-N-BUTYL PHTHALATE	10	ug/l
DI-N-OCTYL PHTHALATE	10	ug/l
DINOSEB (2-SEC-BUTYL-4,6-DINITROPHENOL)	1	ug/l
Diphenylamine	10	ug/l
DISULFOTON	0.59	ug/l
DISULFOTON	0.59	ug/l
ENDOSULFAN I	0.1	ug/l
ENDOSULFAN II	0.1	ug/l
ENDOSULFAN SULFATE	0.2	ug/l
ENDRIN	0.1	ug/l
ENDRIN ALDEHYDE	0.1	ug/l
ENDRINE KETONE	0.1	ug/l
EPN	0.59	ug/l
ETHION	0.59	ug/l
ETHOPROP	0.59	ug/l
ETHYL METHACRYLATE	10	ug/l
Ethyl methanesulfonate	20	ug/l
Famphur	200	ug/l
FENSULFOTHION	0.59	ug/l
FENTHION	0.59	ug/l
FLUORANTHENE	10	ug/l
FLUORENE (ALPHA-DIPHENYLENEMETHANE)	10	ug/l
GAMMA-BHC (LINDANE)	0.1	ug/l
HEPTACHLOR	0.1	ug/l
HEPTACHLOR EPOXIDE	0.1	ug/l
HEXACHLOROBENZENE	10	ug/l
HEXACHLOROBUTADIENE	10	ug/l
HEXACHLOROCYCLOPENTADIENE	10	ug/l
HEXACHLOROETHANE (PERCHLOROETHANE)	10	ug/l
Hexachlorophene	200	ug/l
Hexachloropropene	10	ug/l
Indeno (1,2,3-cd) pyrene	10	ug/l
Isodrin	20	ug/l
ISOPHORONE	10	ug/l
Isosafrole	10	ug/l
KEPONE	200	ug/l
LEAD	0.01	mg/l
MALATHION	0.59	ug/l
MCPA	510	ug/l
MCPP	510	ug/l
MERCURY	0.0002	mg/l
Merphos	0.59	ug/l
Methapyrilene	100	ug/l
METHOXYCHLOR	0.1	ug/l

Table A-3
Phibro-tech, Inc.
Appendix IX Parameters
Typical Detection Limits

Analytical Parameter	Detection Limit	Units
Methyl methanesulfonate	10	ug/l
Mevinphos	0.59	ug/l
MOLYBDENUM	0.04	mg/l
Monocrotophos	2.9	ug/l
Naled	1.2	ug/l
NAPHTHALENE	10	ug/l
NICKEL	0.02	mg/l
NITROBENZENE	10	ug/l
N-NITRODIETHYLAMINE	20	ug/l
N-NITROSODIMETHYLAMINE	20	ug/l
N-Nitrosodi-n-butylamine	10	ug/l
N-NITROSO-DI-N-PROPYLAMINE	10	ug/l
N-NITROSODIPHENYLAMINE	10	ug/l
N-Nitrosomethylethylamine	10	ug/l
N-Nitrosomorpholine	10	ug/l
N-Nitrosopiperidine	20	ug/l
N-Nitrosopyrrolidine	40	ug/l
O,O,O-Triethyl phosphorothioat	10	ug/l
OCDD	6.7	pg/L
OCDF	5.2	pg/L
o-Toluidine	10	ug/l
Parathion-ethyl	0.59	ug/l
Parathion-methyl	0.59	ug/l
PCB-1016 (AROCLOR 1016)	1	ug/l
PCB-1221 (AROCLOR 1221)	1	ug/l
PCB-1232 (AROCLOR 1232)	1	ug/l
PCB-1242 (AROCLOR 1242)	1	ug/l
PCB-1248 (AROCLOR 1248)	1	ug/l
PCB-1254 (AROCLOR 1254)	1	ug/l
PCB-1260 (AROCLOR 1260)	1	ug/l
PENTACHLOROBENZENE	10	ug/l
Pentachloroethane	10	ug/l
PENTACHLORONITROBENZENE	20	ug/l
PENTACHLOROPHENOL (PCP)	50	ug/l
Phenacetin	20	ug/l
PHENANTHRENE	10	ug/l
PHENOL	10	ug/l
PHORATE	0.59	ug/l
Pronamide	10	ug/l
PYRENE	10	ug/l
Pyridine	10	ug/l
RONNEL	0.59	ug/l
Safrole	10	ug/l
SELENIUM	0.01	mg/l
SILVER	0.02	mg/l
Stirophos	1.2	ug/l
Sulfide	0.1	mg/l
Sulfotep	0.59	ug/l
THALLIUM	0.01	mg/l

Table A-3
Phibro-tech, Inc.
Appendix IX Parameters
Typical Detection Limits

Analytical Parameter	Detection Limit	Units
THIONAZIN	0.59	ug/l
THIONAZIN	20	ug/l
TIN	0.2	mg/l
Tokuthion (Prothiofos)	0.59	ug/l
Total HpCDD	3.6	pg/L
Total HpCDF	2.3	pg/L
Total HxCDD	2.3	pg/L
Total HxCDF	1.5	pg/L
Total PeCDD	3.5	pg/L
Total PeCDF	1.9	pg/L
Total TCDD	2.4	pg/L
Total TCDF	2	pg/L
TOXAPHENE	5	ug/l
Trichloronate	0.59	ug/l
VANADIUM	0.02	mg/l
ZINC	0.04	mg/l
VANADIUM	0.02	mg/l
ZINC	0.04	mg/l

Appendix B
Historical Sampling Results

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-01D	10/15/90		0.5 U	1 U	1 U	1 U		1 U					6.3	1 U		26	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U			1 U				
	04/15/91		0.5 U	1 U	1 U	1 U							3.6	1 U		40	1 U	1 U	1 U	1 U	1 U			2				
	07/15/91		0.5 U	1 U	1 U	1 U							1 U			14	1 U	1 U	1 U	1 U	1 U			2.1				
	10/15/91		0.5 U	1 U	1 U	1 U							0.54			10	1 U	1 U	1 U	1 U	1 U			1 U				
	01/15/92												1 U	2		3.6	1 U	1 U	1 U	1 U	1 U	1 U		1 U				
	04/15/92		0.5 U	1 U	1 U	1 U	1 U			1 U			1 U			1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			1.2	1 U	1 U	1 U	1 U	1 U			1 U				
	10/15/92		0.5 U	1 U	1 U	1 U							1 U	1 U		2.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/93		0.5 U	7.4	11	25							1 U	1 U		1.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/19/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U		1 U	1 U	1 U		1 U	1.5 BI	1 U	1 U	1 U	
	07/12/93		0.5 U	3.5	3	7.1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1.8 IB	1 U	1 U	1 U	
	10/12/93		0.5 U	1 U	2.1	4.1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/10/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/11/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/18/94		0.5 U	1.5	1 U	3.7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/10/94		0.5 U	1 U	1 U	5.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/17/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	3.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/17/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	3.6	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U		1 U	6.1 B	1 U	1 U	1 U	
	07/10/95		0.5 U	2.4	6	9.4			1 U	1 U	1 U	1 U	4.7	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/09/95		0.5 U	1 U	1 U	2			1 U	1 U	1 U	1 U	1.9	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/30/96		0.5 U	1 U	1 U	1.8			1 U	1 U	1 U	1 U	1.4	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/15/96		0.5 U	1 U	4.1	5.7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/96		0.5 U	1 U	3.5	5.5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/07/96		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/13/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/15/97		0.5 U	2.3	1 U	1 U			1 U	1 U	1 U	1 U	4.4	1 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/08/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	3.9	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/14/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2	1 U	1 U	3.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/13/98		0.5 U	1 U	1.1	1 U			1 U	1 U	1 U	1 U	1.8	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/21/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	1 U				1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/20/98		0.5 U	1 U	1 U				1 U	1 U	1 U	1 U	1.1	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/99		0.5 U	1 U	1	1 U							1 U			2	1 U		1 U	1 U	1 U		1 U	1 U				
	04/15/99		1 U	1 U	1.6	2 U							1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/99		1 U	1 U	1 U	1 U							24	1 U		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/99		1 U	1 U	1 U	2 U							4.9	1 U		2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	01/15/00		1 U	1 U	1 U	1 U							21			7.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/00		1 U	1.7	1 U	1 U							6			3.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/00		1 U	1 U	1 U	1 U							7.6	1 U		3.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/01		1 U	1 U	1 U	1 U							5.6	1 U		2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/17/01		1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-01D	10/16/01		1.5	1 U	1 U	1.5			1 U	1 U	1 U	1 U	5.3	1 U	1 U	3.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	01/15/02		1.6	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.5	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	04/16/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	3.9	1 U	1 U	3.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	07/24/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.7	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	10/22/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	2.5	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	01/08/03		0.67	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	2.2	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	04/23/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	1.9	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	07/30/03		0.98	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1.6	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	10/21/03		1.2	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	2.4	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
MW-01S	01/15/89		0.01 U	0.01 U	0.01 U	0.01 U			0.01 U	0.01 U	0.01 U	0.02 U	2.8	0.01 U	0.01 U	19	0.01 U	0.01 U	0.7	0.01 U	0.2 U		0.01 U	1 U	0.01 U	0.01 U	0.02 U	0.02 U
	04/15/89		0.7 U	1 U	1 U	3			1 U	1 U	1 U		4	1 U	1 U	23	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/15/89		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U		1 U	1 U	1 U	12	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/90								0.5 U	0.5 U	0.5 U	0.2 U	3.1	0.2 U	0.2 U	16	0.73	0.2 U	0.3	0.2 U	0.2 U			2 U	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/90		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	1 U	3.8	1 U	1 U	20		1 U	1 U	1 U	1 U			10 U	1 U	1 U	1 U	1 U
	07/15/90		0.5 U	0.5 U	0.5 U	1 U			0.5 U	0.5 U	0.5 U	0.2 U	4	0.2 U	0.2 U	18	0.8	0.2 U	1.1	0.2 U	0.3	0.73	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U
	10/15/90		0.5 U	1 U	1 U	1 U		1 U					5	1 U		18	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	6.8			26	1 U	1 U	1	1 U	1 U			1 U				
	04/15/91		0.5 U	1 U	1 U	1 U							3.6	1 U		22	1 U	1 U	1 U	1 U	1 U			1.6				
	07/15/91		0.5 U	1 U	1 U	1 U							3.8			17	1 U	1 U	1 U	1 U	1 U			1.4				
	10/15/91		0.5 U	1 U	1 U	1 U							1.9			14	1 U	1 U	0.7	1 U	1 U			1.8				
	01/15/92												1 U	1 U		13	1 U	1 U	1 U	1 U	1 U	1 U		1 U				
	04/15/92		0.5 U	1 U	1 U	1 U	1 U			1 U			1.8			9.9	1 U	1 U	1 U	1 U	1 U	0.87	1 U	1 U				
	07/15/92		0.5 U	1 U	1 U	1 U							1.6			10	1 U	1 U	1 U	1 U	1 U			1 U				
	10/15/92		0.95	1 U	1 U	1 U							1 U	1 U		11	1 U	1 U	1 U	1 U	1 U		1 U	1				
	01/15/93		0.5 U	2.2	1.3	5.6							1 U	1 U		9.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/19/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1.6	1 U	1 U	1 U	5.7	1 U		1.4	1 U	1 U		1 U	1.2 BI	1 U	1 U	1 U	
	07/12/93		0.5 U	1.7	1.7	4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	11	1 U	1 U	1 U	1 U	1 U		1 U	1.8 IB	1 U	1 U	1 U	
	10/12/93		0.5 U	1 U	2.2	4.3			1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/10/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	9.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/11/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/18/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/10/94		0.5 U	1 U	1 U	5.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/16/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/17/95		0.5 U	1 U	1.3	1 U			1 U	1 U	1 U	1 U	1.6	1 U	1 U	4.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/10/95		0.5 U	1.2	3.5	6.1			1 U	1 U	1 U	1 U	1.9	1 U	1 U	6.2	1 U	1 U	1.3	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/09/95		0.5 U	1 U	1.7	3.9			1 U	1 U	1 U	1 U	1 U	1 U	1 U	15	1 U	1.4	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/30/96		0.5 U	1 U	1.7	5.1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	8.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/15/96		0.5 U	1 U	3.4	4.9			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	1.2	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/96		0.5 U	1 U	2.2	3.7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	9.7	1 U	1 U	1.1	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/07/96		0.5 U	1 U	2.1	2.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	16	1 U	1.6	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/13/97		0.5 U	1 U	1 U	2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-03	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			38	1 U	1 U	26	74	1 U			1 U				
	04/15/91		0.5 U	1 U	1 U	1 U							1 U	1 U		27	1 U	1 U	1 U	63	17			8.5				
	07/15/91		0.5 U	1 U	1 U	1 U							1 U			28	1 U	1 U	1 U	38	47			6				
	10/15/91		0.5 U	1 U	1 U	1 U							1 U			71	6.7	5.3	1 U	82	4.2			1 U				
	01/15/92												1 U	3		76	7.6	5.7	1 U	202	91	1 U		1 U				
	04/15/92		0.5 U	0.76	1.6	3	1 U			1 U			0.5			25	2.5	1.6	1 U	120	43	1 U	1 U	1.3				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			76	3.8	5.4	1 U	110	39			3.1				
	10/15/92		0.52	1 U	1 U	1 U							1 U	1 U		130	8.7	8.1	1 U	160	60		1 U	6.9				
	01/15/93		2.5 U	5 U	5 U	5 U							5 U	5 U		84	6.5	6.7	5 U	120	57		5 U	5 U				
	04/20/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	12	1.5	1 U	1 U	100 o	29		1 U	11 B	1 U	1 U	1 U	
	07/12/93		0.5 U	3.3	2.6	5.9			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	16	2.5 U	2.5 U	2.5 U	110	37		2.5 U	4.5 IB	2.5 U	2.5 U	2.5 U	
	10/12/93		0.5 U	1 U	2.6	4.8			5 U	5 U	5 U	5 U	5 U	5 U	5 U	17	5 U	5 U	5 U	110	30		5 U	5 U	5 U	5 U	5 U	
	01/11/94		0.5 U	1 U	1 U	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	10	2 U	2 U	2 U	120	28		2 U	2 U	2 U	2 U	2 U	
	04/12/94		0.5 U	1 U	1 U	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	15	2 U	2 U	2 U	68	26		2 U	2 U	2 U	2 U	2 U	
	07/18/94		0.5 U	1 U	1 U	1 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	26	2.5 U	2.5 U	2.5 U	180 o	82		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	
	10/11/94		1.2	3.5	1.5	12			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	76	7.5	5.8	2.5 U	120	60		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	
	01/17/95		0.5 U	1 U	1 U	1 U			4 U	4 U	4 U	4 U	4 U	4 U	4 U	72	6	5.1	4 U	140	53		4 U	4 U	4 U	4 U	4 U	
	04/17/95		0.5 U	1 U	1.3	1 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	57	10 U	10 U	10 U	180	72		10 U	65 B	10 U	10 U	10 U	
	07/11/95		0.5 U	2	5.2	8.8			5 U	5 U	5 U	5 U	5 U	5 U	5 U	9.5	5 U	5 U	5 U	91	35		5 U	5 U	5 U	5 U	5 U	
	10/10/95		0.5 U	1 U	1.7	3.3			10 U	10 U	10 U	10 U	10 U	10 U	10 U	30	10 U	10 U	10 U	110	56		10 U	10 U	10 U	10 U	10 U	
	01/30/96		0.5 U	1 U	1.8	5.2			2 U	2 U	2 U	2 U	2 U	2 U	2 U	26	3.3	3.3	2 U	56	27		2 U	2.5	2 U	2 U	2 U	
	04/15/96		0.5 U	1 U	2.6	3.6			5 U	5 U	5 U	5 U	5 U	5 U	5 U	46	7	5 U	5 U	100	46		5 U	5 U	5 U	5 U	5 U	
	07/16/96		0.5 U	1.8	9	12			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	17	2.5 U	2.5 U	2.5 U	50	23		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	
	10/08/96		0.5 U	1 U	5.4	6.2			2 U	2 U	2 U	2 U	2 U	2 U	2 U	21	2.4	2.3	2 U	46	31		2 U	2 U	2 U	2 U	2 U	
	01/14/97		0.5 U	2.6	1.1	4.2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	28	3.8	2.1	1 U	68	29		1 U	1 U	1 U	1 U	1 U	
	04/15/97		0.5 U	4.3	2.1	3			1 U	1 U	1 U	1 U	7.1	1 U	1 U	13	1.7	1 U	1 U	40	22		1 U	1 U	1 U	1 U	1 U	
	07/09/97		0.5 U	1 U	2.5	3.7			1 U	1 U	1 U	1 U	8.7	1 U	1 U	13	1.8	1.8	2.3	27	14		1 U	1 U	1 U	1 U	1 U	
	10/15/97		0.57	1 U	1.7	1.2			1 U	1 U	1 U	1 U	3.6	1 U	1 U	24	3	2.6	1.3	34	21		1 U	1 U	1 U	1 U	1 U	
	01/13/98		0.5 U	1 U	1.3	1 U			1 U	1 U	1 U	1 U	1.6	1 U	1 U	25	3.2	2	1 U	27	19		1 U	1 U	1 U	1 U	1 U	
	04/22/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	18	2.9	1.8	1 U	30	22		1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.2	1 U	1 U	25	3.6	2.8	1 U	42	36		1 U	1 U	1 U	1 U	1 U	
	10/20/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.6	1 U	1 U	24	3.4	2.4	1 U	52	40		1 U	1 U	1 U	1 U	1 U	
	01/15/99		0.5 U	1 U	2.3 U	1 U							1.9			26 U	3.9 U	2.4 U	1 U	23 U	16 U		1 U	1 U				
	04/15/99		1 U	1 U	1.1 U	2 U							1.6 U	1 U	1 U	21 U	2.7 U	1.4 U	1 U	38 U	24 U	1 U	1 U	1 U				
	07/15/99		1 U	1 U	1.3 U	1 U							37 U	1.8 U		43 U	9 U	3.6 U	1 U	41 U	30 U	1 U	1 U	1 U				
	10/15/99		5 U	5 U	200 U	10 U							5 U	5 U		150 U	23 U	15 U	14 U	61 U	39 U	5 U	5 U	5 U				
	01/15/00		2.5 U	2.5 U	54 U	70 U							19 U			170 U	30 U	18 U	2.5 U	40 U	27 U	8 U	2.5 U	2.5 U				
	04/15/00		2.5 U	2.5 U	65 U	2.5 U							2.5 U			170 U	30 U	18 U	6 U	65 U	41 U	2.5 U	2.5 U	2.5 U				
	10/15/00		1 U	1 U	2 U	1 U							1 U	1 U		43 U	3.7 U	9.5 U	1 U	1 U	1.3 U	1.1 U	1 U	1 U				
	04/15/01		2 U	2 U	12 U	3.1 U							5.4 U	2 U		150 U	24 U	17 U	6 U	48 U	42 U	2 U	2 U	2 U				
	07/17/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.3	1 U	1 U	41	6	5.1	1 U	29	20	1 U	1 U	1 U	2 U	2 U	2 U	
	10/17/01		5 U	5 U	5 U	5 U			5 U	5 U	5 U	5 U	5.1	5 U	5 U	290	35	35	5 U	39	35	5 U	5 U	5 U	10 U	10 U	10 U	
	01/16/02		2.5 U	2.5 U	2.5 U	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	5.6	2.5 U	2.5 U	220	28	30	2.5 U	33	30	2.5 U	2.5 U	2.5 U	5 U	5 U	5 U	

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-01S	04/15/97		0.5 U	1 U	1.4	1.2			1 U	1 U	1 U	1 U	5.4	1 U	1 U	15	1 U	1.4	1.1	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/08/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	3.5	1 U	1 U	14	1 U	1.4	1.1	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/14/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	12	1 U	1.5	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/13/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	12	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/21/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1.8	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/14/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1.7	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/19/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.8	1 U	1 U	1.2	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/99		0.5 U	1 U	2	1 U							1.9			10	1 U	1.2	1.5	1 U	1 U		1 U	1 U				
	04/15/99		1 U	1 U	1 U	2 U							1.8	1 U	1 U	7.2	1	1 U	1.6	1 U	1 U	2.5	1 U	1 U				
	07/15/99		1 U	1 U	1 U	1 U							16	1 U		9.1	1	1.6	1 U	1 U	1 U	5.3	1 U	1 U				
	10/15/99		1 U	1 U	1 U	2 U							1 U	1 U		9.1	1 U	1.1	1.5	1 U	1 U	3.9	1 U	1 U				
	01/15/00		1 U	1 U	1 U	1 U							31			9.9	1 U	1.9	1.5 U	1 U	1 U	2.8	1 U	1 U				
	04/15/00		1 U	1 U	1 U	1 U							1 U			16	1 U	2.5	1 U	1 U	1 U	7.6	1 U	1 U				
	10/15/00		1 U	1 U	1 U	1 U							1 U			8.9	1 U	1.3	1 U	1 U	1 U	3.5	1 U	1 U				
	04/15/01		1 U	1 U	1 U	1 U							1 U	1 U		13	1 U	1.8	1 U	1 U	1 U	8.8	1 U	1 U				
	07/17/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	10	1 U	1.5	1 U	1 U	1 U	5.6	1 U	1 U	2 U	2 U	2 U	
	10/16/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1.9	1.1	1 U	1 U	6.7	1 U	1 U	2 U	2 U	2 U	
	01/15/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.6	1 U	1 U	7	1 U	1 U	1.3	1 U	1 U	1.2	1 U	1 U	2 U	2 U	2 U	
	04/16/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	5.3	1 U	1 U	1.2	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	07/24/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	6.2	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	2 U	2 U	2 U	
	10/22/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.4	1 U	1 U	8.3	1 U	1 U	1.1	1 U	1 U	2.2	1 U	1 U	2 U	2 U	2 U	
	01/08/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	11	1 U	1 U	1.3	0.5 U	1 U	2.5	1 U	5 U	0.5 U	1 U	1 U	5 U
	04/23/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	11	1 U	1.8	0.5 U	0.5 U	1 U	8	1 U	5 U	0.5 U	1 U	1 U	5 U
	07/29/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	1 U	1.8	0.67	0.5 U	1 U	6.5	1 U	5 U	0.5 U	1 U	1 U	5 U
	10/21/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	12	1 U	1 U	1.1	0.5 U	1 U	2.6	1 U	5 U	0.5 U	1 U	1 U	5 U
MW-02	01/15/89		0.5 U	0.5 U	0.5 U	0.5 U			0.2 U	0.01 U	0.01 U	0.2 U	1.8	0.2 U	0.2 U	60	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	45	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	67	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/15/89		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U		2	1 U	1 U	35	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/90								1 U	1 U	1 U	0.4 U	0.54	0.4 U	0.4 U	27	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U			4 U	0.4 U	0.4 U	0.4 U	0.4 U
	04/15/90		0.5 U	0.5 U	0.5 U	1 U			0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	36	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			2 U	0.2 U	0.2 U	0.2 U	0.2 U
	07/15/90		1 U	1 U	1 U	2 U			1 U	1 U	1 U	0.4 U	1	0.4 U	0.4 U	30	0.72	1.6	4.3	0.4 U	0.65	0.4 U	0.4 U	4 U	0.4 U	0.4 U	0.4 U	0.4 U
	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		24	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			15	1 U	1 U	1 U	1 U	1 U			1 U				
MW-03	01/15/89		7.4	17	4900	1500			0.2 U	0.01 U	0.01 U	0.2 U	4.6	0.2 U	0.2 U	74	0.2 U	4.4	240	15	13		0.2 U	3.2	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		50 U	50 U	1200	60			5 U	5 U	5 U	5 U	5 U	5 U	5 U	110	23	11	36	47	35		5 U	5 U	5 U	5 U	5 U	
	07/15/89		7 U	10 U	10 U	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	120	10 U	10 U	10 U	60	33		10 U	20	10 U	10 U	10 U	
	10/15/89		50 U	100 U	1600	150			100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U		100 U	100 U	100 U	100 U	100 U	
	01/15/90								2 U	5 U	5 U	2 U	5 U	2 U	2 U	65	4	2 U	20	28	23			20 U	2 U	5 U	2 U	2 U
	04/15/90		50 U	50 U	2100	720			50 U	50 U	50 U	20 U	20 U	20 U	20 U	74	20 U	20 U	20 U	87	20 U			200 U	20 U	20 U	20 U	20 U
	07/15/90		5 U	5 U	5 U	10 U			5 U	5 U	5 U	2 U	2 U	2 U	2 U	130	14	8.5	3.7	130	46	2 U	2 U	20 U	2 U	2 U	2 U	2 U
	10/15/90		9	2	1 U	1 U		1 U					1 U	1 U		130	10	1 U	1 U	150	56		1 U	1 U				

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-04	07/09/97		5 U	10 U	810	110			10 U	10 U	10 U	10 U	10 U	10 U	10 U	150	32	42	10 U	10 U	10 U		10 U	35	10 U	10 U	10 U	
	10/16/97		5 U	10 U	460	31			10 U	10 U	10 U	10 U	10 U	10 U	10 U	230	69	140	12	10 U	27		10 U	140	10 U	10 U	10 U	
	01/14/98		5 U	10 U	530	420			10 U	10 U	10 U	10 U	10 U	10 U	10 U	180	42	72	61	10 U	10 U		10 U	46	10 U	10 U	10 U	
	04/22/98		2.9	5 U	320	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	92	25	37	110	5 U	5 U		5 U	17	5 U	5 U	5 U	
	07/15/98		12 UD	25 UD	1200 D	300 U			25 UD	25 UD	25 UD	25 UD	25 UD	25 UD	25 UD	120 D	25 UD	28 D	25 UD	25 UD	25 UD		25 UD	28 D	25 UD	25 UD	25 UD	
	10/21/98		6.2 UD	12 UD	740 D	240 U			12 UD	12 UD	12 UD	12 UD	12 UD	12 UD	12 UD	120 D	29 D	64 D	22 D	12 UD	12 D		12 UD	52 D	12 UD	12 UD	12 UD	
	01/15/99		5 U	10 U	220 U	31 U							10 U			190 U	40 U	64 U	66 U	2.5 U	10 U		2.5 U	36 U				
	04/15/99		3.5 U	2.5 U	220 U	9.9 U							2.5 U	2.5 U	2.5 U	190 U	40 U	64 U	66 U	2.5 U	10 U	68 U	2.5 U	36 U				
	07/15/99		10 U	10 U	670 U	67 U							10 U	10 U		140 U	36 U	58 U	87 U	10 U	10 U	100 U	10 U	38 U				
	10/15/99		5 U	5 U	92 U	11 U							5 U	5 U		210 U	82 U	170 U	85 U	5 U	25 U	160 U	5 U	130 U				
	01/15/00		5.1 U	2.5 U	2.5 U	6 U							8.8 U			160 U	85 U	160 U	18 U	2.5 U	18 U	170 U	4.9 U	100 U				
	04/15/00		5 U	5 U	46 U	8.6 U							5 U			240 U	98 U	170 U	94 U	5 U	13 U	130 U	5 U	53 U				
	10/15/00		50 U	50 U	2500 U	50 U							50 U	50 U		170 U	1 U	7.4 U	99 U	50 U	50 U	130 U	50 U	50 U				
	04/15/01		50 U	120 U	3100 U	830 U							50 U	50 U		150 U	50 U	58 U	50 U	50 U	50 U	100 U	50 U	50 U				
	07/18/01		50 U	50 U	2400	50 U			50 U	50 U	50 U	50 U	50 U	50 U	50 U	74	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	
	07/18/01	K	50 U	50 U	2400	50 U			50 U	50 U	50 U	50 U	50 U	50 U	50 U	76	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	
	10/18/01		50 U	50 U	3700	50 U			50 U	50 U	50 U	50 U	50 U	50 U	50 U	170	50 U	73	50 U	50 U	50 U	65	50 U	50 U	100 U	100 U	100 U	
	10/18/01	K	50 U	50 U	2800	50 U			50 U	50 U	50 U	50 U	50 U	50 U	50 U	220	50 U	90	50 U	50 U	50 U	81	50 U	59	100 U	100 U	100 U	
	01/17/02		10 U	10 U	680	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	130	31	55	160	10 U	10 U	63	10 U	20	20 U	20 U	20 U	
	01/17/02	K	10 U	10 U	720	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	140	32	58	160	10 U	10 U	70	10 U	24	20 U	20 U	20 U	
	04/18/02		50 U	50 U	2200	170			50 U	50 U	50 U	50 U	50 U	50 U	50 U	260	57	100	50 U	50 U	50 U	86	50 U	58	100 U	100 U	100 U	
	04/18/02	K	50 U	50 U	1900	160			50 U	50 U	50 U	50 U	50 U	50 U	50 U	260	65	100	50 U	50 U	50 U	84	50 U	60	100 U	100 U	100 U	
	07/25/02		7.7	5 U	220	328			5 U	5 U	5 U	5 U	5 U	5 U	5 U	210	110	180	32	5 U	18	210	5 U	85	10 U	10 U	10 U	
	07/25/02	K	7.6	5 U	200	317			5 U	5 U	5 U	5 U	5 U	5 U	5 U	210	110	170	32	5 U	18	200	5 U	84	10 U	10 U	10 U	
	10/23/02		12 U	12 U	820	1650			12 U	12 U	12 U	12 U	12 U	12 U	12 U	130	76	200	31	12 U	20	240	12 U	87	25 U	25 U	25 U	
	10/23/02	K	12 U	12 U	880	1760			12 U	12 U	12 U	12 U	12 U	12 U	12 U	140	82	210	28	12 U	21	250	12 U	90	25 U	25 U	25 U	
	12/30/02		3.8	0.37 J	51	81		2.5 U	1.5 J	2.5 U	2.5 U	2.5 U	1.9 J	2.5 U	2.5 U	85	45	110	67	2.5 U	8.1	130 E	2.3 J	30	0.39 J	0.47 J	2.5 U	2.5 U
	12/30/02	K	3.8 J	0.4 J	49	78		5 U	1.6 J	5 U	5 U	5 U	2.1 J	5 U	5 U	99	48	120	64	5 U	9.7	140	2.8 J	36	0.34 J	5 U	5 U	5 U
	04/25/03		5.6	5 U	540	31	6.4	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	130	83	150	150	2.5 U	17	210	5 U	68	2.5 U	5 U	5 U	25 U
	04/25/03	K	5.6	5 U	500	28.4	5.8	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	140	83	150	160	2.5 U	18	220	5 U	75	2.5 U	5 U	5 U	25 U
	07/30/03		5.8	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	140	78	160	56	2.5 U	25	230	5 U	96	2.5 U	5 U	5 U	25 U
	07/30/03	K	7	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	150	80	170	59	5 U	25	250	10 U	100	5 U	10 U	10 U	50 U
	10/23/03		20 U	20 U	410	40 U			20 U	20 U	20 U	20 U	20 U	20 U	20 U	140	65	150	53	50 U	20 U	160	20 U	61	50 U	50 U	50 U	50 U
	10/23/03	K	8 U	8 U	390	4 U			8 U	8 U	8 U	8 U	8 U	8 U	8 U	150	73	160	55	20 U	13	180	8 U	58	20 U	20 U	20 U	20 U
MW-04A	01/15/89		0.5 U	0.5 U	0.5 U	1.3			0.2 U	0.01 U	0.01 U	0.2 U	0.2 U	0.2 U	0.2 U	6.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	7	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U		1 U	2.7	1 U	1 U	1 U	
	10/15/89		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/90								0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	8	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			2 U	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/90		0.5 U	0.5 U	0.5 U	1 U			0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	2.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U			2 U	0.2 U	0.2 U	0.2 U	0.2 U
	07/15/90		0.5 U	0.5 U	0.5 U	1 U			0.5 U	0.5 U	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U	6.1	0.42	1.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2 U	0.2 U	0.2 U	0.2 U	0.2 U
	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				

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Phibro-Tech, Inc.
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Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-03	04/16/02		5 U	5 U	5 U	10 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	280	35	44	5 U	36	38	5 U	5 U	5 U	10 U	10 U	10 U	
	07/24/02		5 U	5 U	5 U	10 U			5 U	5 U	5 U	5 U	5.5	5 U	5 U	260	36	34	5 U	28	31	5 U	5 U	5 U	10 U	10 U	10 U	
	10/22/02		10 U	10 U	63	700			10 U	10 U	10 U	10 U	10 U	10 U	10 U	190	30	17	25	10 U	13	10 U	10 U	10 U	20 U	20 U	20 U	
	01/08/03		1.6	2 U	2 U	2.3	2 U	2 U	2 U	2 U	2 U	2 U	5.6	2 U	2 U	250	48	32	15	22	27	2 U	2 U	10 U	1 U	2 U	2 U	10 U
	04/23/03		1 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	8.3	2 U	2 U	190	34	34	3.8	46	47	2 U	2 U	10 U	1 U	2 U	2 U	10 U
	07/29/03		2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	11	5 U	5 U	280	34	37	6	70	72	5 U	5 U	25 U	2.5 U	5 U	5 U	25 U
	10/21/03		2.5	1 U	1600	209 M2	11	1 U	1 U	1 U	1 U	1 U	4	1 U	1 U	110 M-HA	18	19	9	17	18	12	1 U	5 U	0.5 U	1 U	1 U	5 U
MW-04	01/15/89		0.5 U	10	15	29			0.2 U	0.01 U	0.01 U	0.2 U	1.6	0.68	0.2 U	120	22	36	20	0.2 U	3.7		0.2 U	14	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		5 U	23	15	50			5 U	5 U	5 U	5 U	5 U	5 U	5 U	280	55	92	5 U	5 U	12		5 U	94	5 U	5 U	5 U	
	07/15/89		14 U	20 U	140	40			20 U	20 U	20 U	20 U	20 U	20 U	20 U	290	50	80	120	20 U	20 U		20 U	170	20 U	20 U	20 U	
	10/15/89		5 U	10 U	10 U	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	250	60	100	70	10 U	10 U		20	30	10 U	10 U	10 U	
	01/15/90								12 U	12 U	12 U	5 U	5 U	5 U	5 U	220	33	72	100	5 U	5.1			74	5 U	5 U	5 U	5 U
	04/15/90		10 U	10 U	10 U	20 U			10 U	10 U	10 U	4 U	4 U	4 U	4 U	280	35	67	140	4 U	6			54	4 U	4 U	4 U	4 U
	07/15/90		50 U	50 U	1600	170			5 U	5 U	5 U	20 U	20 U	20 U	20 U	320	43	65	260	20 U	20 U	20 U	20 U	200 U	20 U	20 U	20 U	20 U
	10/15/90		0.5 U	17	230	650		0.21					1 U	1 U		250	54	80	360	1 U	1 U		1 U	38				
	01/15/91		0.5 U	1 U	1 U	1						1 U	1 U			180	1 U	57	190	1 U	1 U			1 U				
	04/15/91		0.5 U	1 U	730	880							1 U	1 U		170	21	40	180	1 U	1 U			43				
	07/15/91		0.5 U	16000	6700	18000							1 U			190	40	66	95	1 U	12			94				
	10/15/91		0.5 U	6900	4100	10000							400 U			400 U	400 U	400 U	400 U	400 U	400 U			1 U				
	01/15/92												1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U				
	04/15/92		6.7	7.2	960	1010	1 U			1 U			1 U			280	57	120	49	1 U	15	24	1 U	18				
	07/15/92		0.5 U	1 U	200	1 U							1 U			280	53	74	32	1 U	12			61				
	10/15/92		71	1 U	1300	230							1 U	1 U		230	32	48	18	1 U	1 U		1 U	26				
	01/15/93		130 U	10000	10000	19000							250 U	250 U		250 U	250 U	250 U	250 U	250 U	250 U		250 U	250 U				
	04/20/93		0.5 U	1 U	88 o	13			1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	3.9	4.2	11	1 U	1 U		1 U	3.8 IB	1 U	1 U	1 U	
	07/13/93		0.6	2	1.8	11			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100	23	29	9	2.5 U	2.6		3.3	17 B	2.5 U	2.5 U	2.5 U	
	10/13/93		1.3	1 U	1 U	40			10 U	10 U	10 U	10 U	10 U	10 U	10 U	290	55	65	13	10 U	11		10 U	59	10 U	10 U	10 U	
	10/14/93		5 U	10 U	320	10 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	21	4.8	24	8	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/11/94		0.81	1 U	8.3	14			5 U	5 U	5 U	5 U	5 U	5 U	5 U	130	43	42	5 U	5 U	5 U		5 U	23 I	5 U	5 U	5 U	
	04/13/94		0.5 U	1 U	4	6.5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	190	33	42	5 U	5 U	5 U		5 U	19	5 U	5 U	5 U	
	07/19/94		0.58	1 U	1 U	4.2			10 U	10 U	10 U	10 U	10 U	10 U	10 U	340	59	68	10 U	10 U	10 U		10 U	33 I	10 U	10 U	10 U	
	10/11/94		5 U	10 U	270	39			10 U	10 U	10 U	10 U	10 U	10 U	10 U	390	78	110	10 U	10 U	21		10 U	97	10 U	10 U	10 U	
	01/18/95		5 U	10 U	350	130			10 U	10 U	10 U	10 U	10 U	10 U	10 U	190	37	51	10 U	10 U	10 U		10 U	21 I	10 U	10 U	10 U	
	04/18/95		100 U	1600	1700	2900			10 U	10 U	10 U	10 U	10 U	10 U	10 U	67	15	32	10 U	10 U	10 U		10 U	34 B	10 U	10 U	10 U	
	07/12/95		10 U	270	260	890			5 U	5 U	5 U	5 U	5 U	5 U	5 U	90	17	27	6.3	5 U	5 U		5 U	19 I	5 U	5 U	5 U	
	10/10/95		2.5 U	5 U	75	21			10 U	10 U	10 U	10 U	10 U	10 U	10 U	150	34	59	10 U	10 U	10 U		10 U	42	10 U	10 U	10 U	
	01/31/96		50 U	100 U	2100	1400			10 U	10 U	10 U	10 U	10 U	10 U	10 U	160	25	46	14	10 U	10 U		10 U	26	10 U	10 U	10 U	
	04/16/96		25 U	680	1300	1400			10 U	10 U	10 U	10 U	10 U	10 U	10 U	130	39	52	15	10 U	10 U		10 U	31	10 U	10 U	10 U	
	07/16/96		50 U	100 U	1000	270			10 U	10 U	10 U	10 U	10 U	10 U	10 U	140	32	46	10 U	10 U	10 U		10 U	31	10 U	10 U	10 U	
	10/09/96		50 U	380	1100	1900			20 U	20 U	20 U	20 U	20 U	20 U	20 U	310	48	100	20 U	20 U	22		20 U	110	20 U	20 U	20 U	
	01/14/97		6.2 U	12 U	1100	12 U			12 U	12 U	12 U	12 U	12 U	12 U	12 U	330	76	130	36	12 U	12 U		12 U	56	12 U	12 U	12 U	
	04/16/97		12 U	35	1300	620			25 U	25 U	25 U	25 U	25 U	25 U	25 U	150	32	67	25 U	25 U	25 U		25 U	31	25 U	25 U	25 U	

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-04A	04/17/02		2 U	2 U	2 U	4 U			2 U	2 U	2 U	2 U	3.6	2 U	2 U	71	18	93	2 U	2 U	4.4	7.3	2 U	2 U	4 U	4 U	4 U	
	07/25/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.3	1 U	1 U	7.1	1.8	6.1	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	10/23/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	2.6	1 U	1 U	36	11	33	1 U	1 U	1.3	1.9	1 U	1 U	2 U	2 U	2 U	
	01/09/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	42	11	40	0.5 U	0.5 U	1.8	2.8	1 U	5 U	0.5 U	1 U	1 U	5 U
	04/24/03		1.7	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	5.3	2.9	1 U	110	37	150	0.5 U	0.5 U	7	13	2.2	5 U	0.5 U	1 U	1 U	5 U
	07/30/03		2.2	4 U	4 U	8 U	4 U	4 U	4 U	4 U	4 U	4 U	6.8	4	4 U	150	47	230	2 U	2 U	9.2	16	4 U	20 U	2 U	4 U	4 U	20 U
	10/21/03		17	4 U	4 U	8 U	4 U	4 U	4 U	4 U	4 U	4 U	5.3	4 U	4 U	130	26	210	2 U	2 U	8.9	13	4 U	20 U	2 U	4 U	5.3	20 U
MW-05	01/15/89		0.9	0.5 U	0.5 U	0.5 U			0.2 U	0.01 U	0.01 U	0.2 U	0.2 U	0.2 U	0.2 U	5.9	0.2 U	0.2 U	29	5.6	7.4		0.2 U	2.1	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	65	1 U	1 U	1 U	140	73		1 U	1 U	1 U	1 U	1 U	
	07/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2	1 U	1 U	46	2	4	1 U	97	57		1 U	1 U	1 U	1 U	1 U	
	10/15/89		0.6	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	15	1 U	10	10	39	31		1 U	1 U	1 U	1 U	1 U	
	01/15/90								1 U	1 U	1 U	0.4 U	0.4 U	0.41	0.4 U	16	0.4 U	0.42	2.2	52	42			4 U	0.4 U	0.4 U	0.4 U	0.4 U
	04/15/90		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	1 U	24	4.7	1 U	1 U	120	76			10 U	1 U	1 U	1 U	1 U
	07/15/90		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	1 U	1.4	1.9	1 U	51	2.1	3.2	1 U	120	41	1 U	1 U	10 U	1 U	1 U	1 U	1 U
	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		14	1 U	1 U	1 U	70	33		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			22	1 U	1 U	1 U	140	49			1 U				
MW-06B	01/15/89		0.5 U	0.5 U	0.5 U	0.5 U			0.2 U	0.01 U	0.01 U	0.2 U	7	0.2 U	0.2 U	57	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U		3	1 U	1 U	37	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	6	1 U	1 U	29	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/15/89		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	29	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/90								2.5 U	2.5 U	2.5 U	1 U	6.4	1 U	1 U	46	1 U	1 U	1 U	1 U	1 U			10 U	1 U	1 U	1 U	1 U
	04/15/90		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	1 U	5	1 U	1 U	61	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
	10/15/90		0.5 U	1 U	1 U	1 U		1 U					10	1 U		52	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	13			59	1 U	1 U	1 U	1 U	1 U			1 U				
	04/15/92		0.5 U	1 U	1.1	0.82	1 U			1 U			1.2			19	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			10	1 U	1 U	1 U	1 U	1 U			1 U				
	10/15/92		0.5 U	1 U	1 U	1 U							1 U	1 U		9.3	1 U	1 U	1 U	1 U	1 U		1 U	1.4				
	01/15/93		0.5 U	1 U	1 U	1 U							1 U	1 U		6.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/21/93		0.5 U	64 o	26	88			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U		1 U	1.4 I	1 U	1 U	1 U	
	07/13/93		0.5 U	2.2	2	5.5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U		1 U	1.1 IB	1 U	1 U	1 U	
	10/13/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.9	1 U	1 U	1 U	1 U	1 U		1 U	1.5 I	1 U	1 U	1 U	
	01/11/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	1 U	1 U	1.2	1 U		1 U	1 U	1 U	1 U	1 U	
	04/12/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/19/94		0.5 U	1.1	1 U	1.9			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/12/94		0.5 U	1.5	1 U	8.2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/17/95		1 U	110	89	110			1 U	1 U	1 U	1 U	4.7	1 U	1 U	8.6	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/18/95		0.5 U	1.6	9.1	6.2			1 U	1 U	1 U	1 U	3.3	1 U	1 U	2.3	1 U	1 U	1 U	1 U	1 U		1 U	3.2 B	1 U	1 U	1 U	
	07/11/95		0.5 U	1.1	4	5.1			1 U	1 U	1 U	1 U	1.8	1 U	1 U	8.8	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/10/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/30/96		1 U	28	27	53			1 U	1 U	1 U	1 U	1 U	1 U	1 U	14	1 U	1.6	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/16/96		1 U	4.2	37	50			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/16/96		0.5 U	1 U	2.3	3.5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-04A	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U			1 U				
	04/15/91		0.5 U	1 U	1 U	1 U							1 U	1 U		1.9	1 U	1 U	1 U	1 U	1 U			3.6				
	07/15/91		0.5 U	1 U	1 U	1 U							1 U			4.2	1 U	5	1 U	1 U	1 U			4.3				
	10/15/91		0.5 U	1 U	1 U	1 U							1 U			2.2	1 U	1.3	1 U	1 U	0.23			1 U				
	01/15/92												1 U	1 U		2	1 U	1 U	1 U	1 U	1 U	1 U		1 U				
	04/15/92		0.5 U	1 U	1 U	1 U	1 U			1 U			0.7			1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			1.5	1 U	1 U	1 U	1 U	1 U			1.1				
	10/15/92		0.5 U	1 U	1 U	1 U							1 U	1.2		45	12	49	1 U	1 U	4.2		1.4	4.7				
	01/15/93		0.5 U	3	3.5	8.9							1 U	1 U		4.1	1 U	1.9	1 U	1 U	1 U		1 U	1 U				
	04/20/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.7	1 U	1.2	1 U	1 U	1 U		1 U	1.7 IB	1 U	1 U	1 U	
	07/13/93		0.5 U	2.7	1.8	4.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	16	3	13	1 U	1 U	1 U		1.2	2.9 IB	1 U	1 U	1 U	
	10/13/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.1	1 U	1 U	7.8	1.6	6.5	1 U	1 U	1 U		1 U	2 I	1 U	1 U	1 U	
	01/11/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	12	3.4	9.6	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/13/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	9.2	1.5	4.2	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/19/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	11	2.4	6.8	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/12/94		0.5 U	1 U	1 U	2.1			1 U	1 U	1 U	1 U	1 U	1 U	1 U	13	2.7	7.5	1 U	1 U	1 U		1 U	2.2 I	1 U	1 U	1 U	
	01/18/95		0.5 U	1.5	2.7	2.9			1 U	1 U	1 U	1 U	1.9	1 U	1 U	30	11	35	1 U	1 U	1.7		1 U	2.4 I	1 U	1 U	1 U	
	04/18/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	10	2.5	13	1 U	1 U	1 U		1 U	3.5 B	1 U	1 U	1 U	
	07/12/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.6	1 U	1 U	19	5	20	1 U	1 U	1.3		1 U	1.3 I	1 U	1 U	1 U	
	10/10/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.4	1 U	1 U	21	5.9	28	1 U	1 U	1.6		1 U	1.4	1 U	1 U	1 U	
	01/31/96		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.3	1 U	1 U	19	5.6	25	1 U	1 U	1.5		1 U	1.4	1 U	1 U	1 U	
	04/16/96		0.5 U	1 U	2.9	3.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	15	4.7	19	1 U	1 U	1.2		1 U	1 U	1 U	1 U	1 U	
	07/16/96		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	16	3.7	24	1 U	1 U	1.1		1 U	1.2	1 U	1 U	1 U	
	10/09/96		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	19	3.9	26	1 U	1 U	1.7		1 U	1 U	1 U	1 U	1 U	
	01/14/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	20	5.1	23	1 U	1 U	1.1		1 U	1 U	1 U	1 U	1 U	
	04/16/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.1	1 U	1 U	14	3.3	17	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/09/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.7	1 U	1 U	11	2.4	9.8	1.2	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/16/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.6	1 U	1 U	13	3.6	19	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/14/98		0.5 U	1 U	1.8	1.9			1 U	1 U	1 U	1 U	1.8	1 U	1 U	14	2.9	11	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/22/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	11	2.3	9.1	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	1 U				1 U	1 U	1 U	1 U	1.2	1 U	1 U	9.2	1.8	5.8	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/20/98		0.5 U	1 U	1 U				1 U	1 U	1 U	1 U	1 U	1 U	1 U	8.8	1.8	9.3	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/99		1 U	1 U	2.9	1.7 U							1 U			7 U	1 U	2.7	1 U	1 U	1 U		1 U	1 U				
	04/15/99		1 U	1 U	2.9	1.7 U							1.5	1 U	1 U	7 U	1 U	2.7	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/99		1 U	1 U	1 U	1 U							6.3	1 U		5.2 U	1 U	2	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/99		1 U	1 U	1 U	2 U							2	1 U		4.5 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	1 U				
	01/15/00		1 U	1 U	1 U	1 U							1.8			4.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/00		1 U	1 U	1 U	1 U							2.5			8.6 U	1.7	8	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/00		1 U	1 U	1 U	1 U							1.6	1 U		7.4 U	1.7	6.8	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/01		1 U	1 U	1 U	1 U							1.8	1 U		19 U	4.5	20	1 U	1 U	1 U	1.6	1 U	1 U				
	07/18/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.7	1 U	1 U	44	13	56	1 U	1 U	2.4	4.4	1.1	1 U	2 U	2 U	2 U	
	10/17/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2	1 U	1 U	22	6.2	25	1 U	1 U	1.1	1.7	1 U	1 U	2 U	2 U	2 U	
	01/16/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.7	1 U	1 U	3.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-06B	10/08/96		0.5 U	1 U	2.1	2.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/14/97		0.5 U	4.3	4.3	6.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/16/97		0.5 U	3.6	1.7	1 U			1 U	1 U	1 U	1 U	2.3	1 U	1 U	5.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/09/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.9	1 U	1 U	6.6	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/15/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.6	1 U	1 U	6.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/14/98		0.5 U	15	32	39			1 U	1 U	1 U	1 U	1.1	1 U	1 U	17	1 U	1.7	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/22/98		0.5 U	1.6	4.2	6			1 U	1 U	1 U	1 U	1 U	1 U	1 U	7.7	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/20/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	9.9	1 U	1.1	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/99		1 U	19 U	24 U	29 U							1.2			17 U	1.5 U	2.3 U	1 U	1 U	1 U		1 U	1 U				
	04/15/99		1 U	19 U	42 U	33.9 U							1.6 U	1 U	1 U	31 U	1.5 U	2.3 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/99		1 U	1 U	1.2 U	1 U							8.1 U	1 U		8.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/99		1 U	1 U	4.8 U	1 U							1.8 U	1 U		12 U	1.6 U	1.5 U	1 U	1 U	1 U	1 U	1 U	1 U				
	01/15/00		1 U	1 U	2 U	1 U							17 U			13 U	2.4 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/00		1 U	1 U	1.1 U	1 U							1 U			7 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/00		1 U	1 U	1 U	1 U							1.3 U	1 U		9.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/01		1 U	1 U	1 U	1 U							1 U	1 U		5.9 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/18/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	10/17/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	01/16/02		1 U	1 U	1 U	1 U			1 U	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	2 U	2 U	2 U	
	04/17/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	07/25/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	10/23/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	12	1.1	11	1.8	1 U	1 U	3.4	1 U	1 U	2 U	2 U	2 U	
	01/09/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	5.9	1 U	1 U	22	2	1.5	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	04/24/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	15	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	13	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	10/22/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	4.4	1 U	1 U	18	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
MW-06D	10/15/90		0.5 U	1 U	1 U	1 U		1 U					14	1 U		100	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	20			78	1 U	1 U	1 U	1 U	1 U			1 U				
	04/15/92		0.5 U	1 U	1 U	1 U	1 U			1 U			1 U			4.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			1.9	1 U	1 U	1 U	1 U	1 U			1.4				
	10/15/92		0.5 U	12	2.9	13							1 U	1 U		5.1	1 U	1 U	1 U	1 U	1 U		1 U	1.4				
	01/15/93		0.5 U	1 U	1 U	1 U							1 U	1 U		1.7	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/21/93		0.5 U	24	13	32			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U		1 U	1.9 IB	1 U	1 U	1 U	
	07/13/93		0.5 U	2.2	2	5.2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.6	1 U	1 U	1 U	1 U	1 U		1 U	2.8 IB	1 U	1 U	1 U	
	10/13/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.5	1 U	1 U	9.4	1 U	1 U	1 U	1 U	1 U		1 U	3.6 I	1 U	1 U	1 U	
	01/11/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/12/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/19/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/12/94		0.5 U	1.6	1 U	11			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/18/95		0.5 U	18	22	28			1 U	1 U	1 U	1 U	6.5	1 U	1 U	1.8	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/18/95		0.5 U	1 U	3.4	2.5			1 U	1 U	1 U	1 U	2.2	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U		1 U	3.4 B	1 U	1 U	1 U	

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-06D	07/11/95		0.5 U	1.1	3.4	5.1			1 U	1 U	1 U	1 U	1.9	1 U	1 U	4.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/10/95		0.5 U	1 U	1.3	2.6			1 U	1 U	1 U	1 U	1.2	1 U	1 U	5.2	1 U	1 U	1 U	3.1	1 U		1 U	1 U	1 U	1 U	1 U	
	01/30/96		0.5 U	9.3	13	26			1 U	1 U	1 U	1 U	1 U	1 U	1 U	6.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/16/96		2.5 U	9.7	67	88			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.9	1 U	1 U	1.4	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/16/96		0.5 U	1 U	3.1	4.6			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/08/96		0.5 U	1.7	4.3	3.9			1 U	1 U	1 U	1 U	1 U	1 U	1 U	32	1.2	2.6	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/14/97		0.5 U	6.4	16	19			1 U	1 U	1 U	1 U	1 U	1 U	1 U	17	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/16/97		0.5 U	3.5	3.7	1.3			1 U	1 U	1 U	1 U	3.7	1 U	1 U	14	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/09/97		0.5 U	1 U	1.1	1 U			1 U	1 U	1 U	1 U	3.7	1 U	1 U	14	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/15/97		0.5 U	1 U	1.1	1 U			1 U	1 U	1 U	1 U	2.1	1 U	1 U	14	1 U	1.1	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/14/98		0.5 U	3.9	12	15			1 U	1 U	1 U	1 U	1.5	1 U	1 U	8.7	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/22/98		0.5 U	1 U	2.4	4.4			1 U	1 U	1 U	1 U	1.1	1 U	1 U	6.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	1.2				1 U	1 U	1 U	1 U	1 U	1 U	1 U	8.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/20/98		0.5 U	1 U	1 U				1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/99		1 U	4 U	14 U	11.5 U							1 U			10 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/15/99		1 U	4 U	14 U	11.5 U							1.2 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/99		1 U	1 U	4.4 U	1 U							16 U	1 U		23 U	1.6 U	2.6 U	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/99		1 U	1 U	2.9 U	2 U							1 U	1 U		8.8 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	01/15/00		1 U	1 U	1.8 U	1 U							16 U			9.2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/00		1 U	1 U	1 U	1 U							1 U			4.3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/00		1 U	1 U	1 U	1 U							1 U	1 U		10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/01		1 U	1 U	1 U	1 U							1.5 U	1 U		10 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/18/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	10/17/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.1	1 U	1 U	4.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	01/16/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.1	1 U	1 U	6.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	04/17/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	07/25/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	10/23/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	01/08/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	6.3	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	04/24/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	8.8	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	10/22/03		0.5 U	1 U	1.6	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	7	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
MW-07	01/15/89		0.5 U	1.4	1.2	3.6			0.2 U	0.01 U	0.01 U	0.2 U	2.1	0.2 U	0.2 U	35	0.2 U	2.9	0.2 U	0.2 U	0.2 U		0.2 U	2.2	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U		2	1 U	1 U	47	1 U	4	1 U	1 U	1 U		2	1 U	1 U	1 U	1 U	
	07/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	1 U	15	1 U	1 U	1 U		3	1 U	1 U	1 U	1 U	
	10/15/89		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U		3	1 U	1 U	44	1 U	4	1 U	1 U	1 U		2	1 U	1 U	1 U	1 U	
	01/15/90								2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	1 U	39	1 U	2.4	1 U	1 U	1 U			10 U	1 U	1 U	1 U	1 U
	04/15/90		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	1 U	45	1 U	3.7	1 U	1 U	1 U			10 U	1 U	1 U	1 U	1 U
	07/15/90		1 U	1 U	1 U	2 U			1 U	1 U	1 U	0.4 U	1.1	0.4 U	0.4 U	34	3.5	29	3.4	0.4 U	0.73	2.4	0.4 U	4 U	0.4 U	0.4 U	0.4 U	0.4 U
	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1.4	1 U		19	1.3	9	5	1 U	1 U		3.5	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			1.8	3	20	1 U	1 U	1 U			1 U				
	04/15/91		0.5 U	1 U	1 U	1 U							1 U	1 U		30	2	29	1 U	1 U	1 U			5.5				

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-07	10/23/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	3.8	1 U	1 U	21	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	12/30/02		0.057 J	1 U	1 U	2 U		1 U	1 U	1 U	1 U	1 U	1	1 U	1 U	13	1.8	13	1.8	1 U	0.29 J	3	0.38 J	0.6 J	0.12 J	1 U	1 U	0.09 J
	04/24/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	59	7.4	48	18	0.5 U	1.8	13	1.1	5 U	0.5 U	1 U	1 U	5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	60	8.5	52	20	0.5 U	1.6	16	1.7	5 U	0.5 U	1 U	1 U	5 U
	10/23/03		2 U	2 U	2 U	4 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	11	5 U	5.8	3.3	5 U	2 U	2 U	2 U	5 U	5 U	5 U	5 U	5 U
MW-08	01/15/89		0.5 U	0.5 U	0.5 U	1.6			0.2 U	0.01 U	0.01 U	0.2 U	4.3	0.2 U	0.2 U	69	0.2 U	30	0.2 U	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	23	6	36	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2	20	1 U	43	25	85	1 U	1 U	1 U		26	1 U	1 U	1 U	1 U	
	10/15/89		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U		1 U	1 U	1 U	22	4	40	1 U	1 U	1 U		8	1 U	1 U	1 U	1 U	
	01/15/90								0.5 U	0.5 U	0.5 U	0.2 U	1.4	0.2 U	0.2 U	28	6.6	29	0.83	0.2 U	0.49			2 U	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/90		1 U	1 U	1 U	2 U			1 U	1 U	1 U	0.4 U	1	0.4 U	0.4 U	17	2.7	28	0.8	0.4 U	0.4 U			4 U	0.4 U	0.4 U	0.4 U	0.4 U
	07/15/90		1 U	1 U	1 U	2 U			1 U	1 U	1 U	0.4 U	0.4 U	0.4 U	0.4 U	20	7.7	42	17	0.4 U	1	5.9	0.92	4 U	0.4 U	0.4 U	0.4 U	0.4 U
	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		14	1 U	34	14	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	3	1.7	4.4						1 U	1 U			26	6	59	30	1 U	1 U			1 U				
MW-09	01/15/89		0.5 U	0.5 U	0.5 U	0.5 U			0.2 U	0.01 U	0.01 U	0.2 U	3.1	2.9	0.2 U	55	0.2 U	34	4.3	0.2 U	8.9		0.2 U	16	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	24	4	5	8	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/89		0.7 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2	4	1 U	57	14	28	37	1 U	4		3	3	1 U	1 U	1 U	
	10/15/89		0.5 U	1 U	1 U	1 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	110	40	90	10 U	10 U	10 U		10 U	15	10 U	10 U	10 U	
	01/15/90								2.5 U	2.5 U	2.5 U	1 U	2.2	1 U	1 U	100	36	50	3.9	1 U	1 U			10 U	1 U	1 U	8.1	1 U
	04/15/90		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	1 U	2	4	1 U	150	48	89	15	1 U	13			10 U	1 U	1 U	1 U	1 U
	07/15/90		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	1 U	1 U	4	1 U	64	12	23	50	1 U	3.7	1 U	1 U	10 U	1 U	1 U	1 U	1 U
	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		17	4.4	6.5	7.8	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	6.6	1.4	9						1 U	1 U			26	7	14	30	1 U	1 U			1 U				
	04/15/91		0.5 U	1 U	1 U	1 U							1 U	1.8		26	3.7	9.4	34	1 U	1.8			2.1				
	07/15/91		0.5 U	1 U	99	1 U							1 U			41	1 U	17	120	1 U	1 U			15				
	10/15/91		0.5 U	1 U	94	1 U							1 U			120	20	51	100	1 U	10			1 U				
	01/15/92												1 U	1 U		45	6	16	79	1 U	1 U	1 U		1 U				
	04/15/92		0.5 U	2800	3600	6190	31			1 U			1 U			52	1 U	31	1 U	1 U	1 U	1 U	1 U	48				
	07/15/92		0.5 U	33000	7900	25000							1 U			1 U	1 U	1 U	1 U	1 U	1 U			1900				
	10/15/92		0.5 U	83000	13000	58000							1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		1 U	1400				
	01/15/93		50 U	400	3900	5300							100 U	100 U		100 U	100 U	100 U	100 U	100 U	100 U		100 U	100 U				
	04/20/93		50 U	5100	4000	9200			1 U	1 U	1 U	1 U	2.7	26	1 U	110 o	34	110 o	17	1 U	21		2.2	29 B	1 U	1 U	1 U	
	07/14/93		16 U	33 U	160	74			33 U	33 U	33 U	33 U	33 U	310	33 U	1100	300	1200	33 U	33 U	170		93	200 B	33 U	33 U	33 U	
	10/14/93		2.5 U	5 U	120	45			10 U	10 U	10 U	10 U	10 U	110	10 U	390	120	400	10 U	10 U	65		10 U	41 I	10 U	10 U	10 U	
	01/12/94		10 U	48	290	220			10 U	10 U	10 U	10 U	10 U	99	10 U	230	91	330	10 U	10 U	46		10 U	20 I	10 U	10 U	10 U	
	04/13/94		500 U	17000	12000	32000			5 U	5 U	5 U	5 U	5 U	53	5 U	270	71	220	21	5 U	69		5 U	20 I	5 U	5 U	5 U	
	07/20/94		1000 U	56000	15000	40000			10 U	10 U	10 U	10 U	10 U	34	10 U	200	56	150	13	10 U	52		10 U	10 I	10 U	10 U	10 U	
	10/13/94		500 U	57000	11000	34000			10 U	10 U	10 U	10 U	10 U	99	10 U	350	130	340	30	10 U	170		10 U	25 I	10 U	10 U	10 U	
	01/16/95		0.5 U	1 U	1 U	1 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	19	5 U	60	57	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	01/18/95		250 U	8200	9800	20000			10 U	10 U	10 U	10 U	10 U	95	10 U	310	110	350	30	10 U	82		10 U	25 I	10 U	10 U	10 U	
	04/19/95		50 U	100 U	650	480			100 U	100 U	100 U	100 U	100 U	200	100 U	670	170	850	100 U	100 U	130		100 U	3000 B	100 U	100 U	100 U	
	07/13/95		10 U	69	780	340			50 U	50 U	50 U	50 U	50 U	150	50 U	540	200	410	50 U	50 U	100		50 U	50 U	50 U	50 U	50 U	

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-07	07/15/91		0.5 U	1 U	1 U	1 U							1 U			53	1 U	30	31	1 U	1 U			18				
	10/15/91		0.5 U	1 U	1 U	1 U							1 U			54	1 U	18	16	1 U	1 U			4				
	01/15/92												1 U	1 U		120	9.9	49	56	1 U	1 U	9		1 U				
	04/15/92		0.5 U	1 U	1 U	1 U	1 U			1 U			1 U			55	5.7	32	73	1 U	0.97	4.4	1 U	1 U				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			53	2.3	12	17	1 U	1 U			1.4				
	10/15/92		0.5 U	1 U	1 U	1 U							1 U	1 U		98	4.5	22	48	1 U	2.2		1 U	7				
	01/15/93		0.5 U	1 U	1 U	1 U							2 U	2 U		73	4.9	28	67	2 U	2 U		2 U	2 U				
	04/22/93		1.2 U	2.5 U	90	5.6			1.1	1 U	1 U	1 U	1 U	1 U	1 U	23	2.7	9	17	1 U	1 U		1 U	1.3 I	1 U	1 U	1 U	
	07/13/93		5 U	10 U	210	10 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	43	6.7	23	7.9	1 U	1 U		1 U	1.2 IB	1 U	1 U	1 U	
	10/13/93		0.82	1 U	7.2	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	44	5.5	19	4.8	2 U	2 U		2 U	2 U	2 U	2 U	2 U	
	01/11/94		1.4	1 U	33	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	53	6.7	39	9.8	2 U	2 U		2 U	2 U	2 U	2 U	2 U	
	04/12/94		2.5 U	5 U	200	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	96	15	67	20	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	07/19/94		0.88	1 U	7.7	1.2			5 U	5 U	5 U	5 U	5 U	5 U	5 U	140	8.5	57	7	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	10/12/94		0.5 U	1 U	5.1	5.5			2 U	2 U	2 U	2 U	2 U	2 U	2 U	98	4.5	28	7.8	2 U	2 U		2 U	2 U	2 U	2 U	2 U	
	01/18/95		0.5 U	7	8.7	10			10 U	10 U	10 U	10 U	10 U	10 U	10 U	170	10 U	43	10 U	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	04/18/95		0.5 U	1 U	1.3	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	26	1.5	19	29	1 U	1.1		1 U	3.2 B	1 U	1 U	1 U	
	07/11/95		0.5 U	1 U	2.1	3.4			2 U	2 U	2 U	2 U	2 U	2 U	2 U	53	5.7	55	24	2 U	2 U		2.3	2 U	2 U	2 U	2 U	
	10/10/95		0.74	1 U	3.8	1.4			10 U	10 U	10 U	10 U	10 U	10 U	10 U	98	11	76	22	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	01/31/96		1	4.2	4.9	10			5 U	5 U	5 U	5 U	5 U	5 U	5 U	85	6.8	47	13	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	04/16/96		0.5 U	1.3	11	14			2 U	2 U	2 U	2 U	2 U	2 U	2 U	37	3.4	24	41	2 U	2 U		2 U	2 U	2 U	2 U	2 U	
	07/16/96		1	1 U	1.6	2.7			10 U	10 U	10 U	10 U	10 U	10 U	10 U	87	10 U	93	35	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	10/08/96		0.96	1 U	1.4	1.5			5 U	5 U	5 U	5 U	5 U	5 U	5 U	150	9.9	74	32	5 U	5 U		5.1	5 U	5 U	5 U	5 U	
	01/14/97		0.5 U	1 U	1.7	2.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	95	7.5	31	30	1 U	1.2		2.6	1 U	1 U	1 U	1 U	
	04/16/97		0.5 U	1.1	1.2	1 U			1 U	1 U	1 U	1 U	2.6	1 U	1 U	63	8.5	64	65	1 U	1.7		2.6	1 U	1 U	1 U	1 U	
	07/09/97		0.56	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.3	1 U	1 U	54	9.1	61	79	1 U	1 U		1.7	1 U	1 U	1 U	1 U	
	10/15/97		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.4	1 U	1 U	85	12	57	65	1 U	1.4		3.3	1 U	1 U	1 U	1 U	
	01/14/98		0.5 U	2.2	5.2	6.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	97	10	38	24	1 U	1.6		1 U	1 U	1 U	1 U	1 U	
	04/22/98		0.5 U	1 U	1.6	1.8			1 U	1 U	1 U	1 U	1.2	1 U	1 U	23	3.6	21	18	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	53	5.9	41	32	1 U	1 U		1.8	1 U	1 U	1 U	1 U	
	10/20/98		0.68	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	88	13	70	41	3	1.4		4.3	1 U	1 U	1 U	1 U	
	01/15/99		2 U	3 U	2.5 U	6.8 U							2.5 U			80 U	8.4 U	33 U	9.7 U	2 U	2 U		2.7 U	2 U				
	04/15/99		2 U	3 U	11 U	6.8 U							2 U	2 U	2 U	80 U	8.4 U	33 U	9.7 U	2 U	2 U	22 U	2.7 U	2 U				
	07/15/99		1 U	1 U	1.3 U	1 U							14 U	1 U		65 U	9.4 U	53 U	16 U	1 U	1.4 U	21 U	2.8 U	1 U				
	10/15/99		2 U	2 U	2 U	4 U							2 U	2 U		130 U	18 U	71 U	7 U	2 U	2.7 U	35 U	5.7 U	2 U				
	01/15/00		1 U	1 U	1 U	1 U							9.8 U			47 U	9.1 U	29 U	2.2 U	1 U	1.1 U	13 U	2.3 U	1 U				
	04/15/00		1 U	1 U	1.2 U	1 U							1.4 U			48 U	6.2 U	41 U	5.8 U	1 U	1.1 U	13 U	1.6 U	1 U				
	10/15/00		2.5 U	2.5 U	2.5 U	2.5 U							2.5 U	2.5 U		110 U	13 U	64 U	29 U	2.5 U	2.5 U	27 U	3.8 U	2.5 U				
	04/15/01		1 U	1 U	1 U	1 U							1 U	1 U		78 U	8.9 U	53 U	41 U	1 U	1.2 U	23 U	2.9 U	1 U				
	07/18/01		2.5 U	2.5 U	2.5 U	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	84	13	76	140	2.5 U	2.5 U	21	2.7	2.5 U	5 U	5 U	5 U	
	10/18/01		2 U	2 U	2 U	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	160	16	78	27	2 U	2.8	36	4.8	2 U	4 U	4 U	4 U	
	01/17/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.4	1 U	1 U	15	1.2	8.7	15	1 U	1 U	2.1	1 U	1 U	2 U	2 U	2 U	
	04/18/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	38	4.1	34	52	1 U	1 U	7.9	1.1	1 U	2 U	2 U	2 U	
	07/26/02		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	100	11	58	15	2.5 U	2.5 U	24	3.4	2.5 U	5 U	5 U	5 U	

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-10	04/15/89		0.7 U	1 U	1 U	7			1 U	1 U	1 U		5	1 U	1 U	23	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/89		7 U	10 U	10 U	30			10 U	10 U	10 U	10 U	10 U	10 U	10 U	180	15	12	150	10 U	10 U		10 U	38	10 U	10 U	10 U	
	10/15/89		5 U	10 U	190	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	70	10 U	10 U	50	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	01/15/90								5 U	5 U	5 U	2 U	2 U	2 U	2 U	2 U	8.4	9.9	80	2 U	2 U			20 U	2 U	2 U	2 U	2 U
	04/15/90		2.5 U	2.5 U	200	5 U			2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	1 U	93	5.6	4.9	90	1 U	1 U			10 U	1 U	1 U	1 U	1 U
	07/15/90		125 U	200	6500	1500			125 U	125 U	125 U	50 U	50 U	50 U	50 U	240	50 U	50 U	310	50 U	50 U	50 U	50 U	500 U	50 U	50 U	50 U	50 U
	10/15/90		0.5 U	330	1330	980		1 U					1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	4						1 U	1 U			1 U	1 U	1 U	220	1 U	1 U			1 U				
MW-11	01/15/89		0.5 U	0.5 U	43	1.5			0.2 U	0.01 U	0.01 U	0.2 U	0.2 U	0.2 U	0.2 U	34	0.2 U	3.2	21	0.2 U	0.88		0.2 U	1	0.2 U	0.2 U	0.2 U	0.2 U
	04/15/89		500 U	7500	2600	11000			5 U	5 U	5 U	5 U	5 U	5 U	5 U	39	20	8.8	12	5 U	15		5 U	5 U	5 U	5 U	5 U	
	07/15/89		7 U	10 U	10 U	90			1 U	1 U	1 U	1 U	1 U	1 U	1 U	29	2	4	7	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/15/89		5 U	10 U	200	10 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	35	10 U	10 U	70	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	01/15/90								5 U	5 U	5 U	2 U	2 U	2 U	2 U	46	2 U	5.5	28	2 U	2 U			20 U	2 U	2 U	2 U	2 U
	04/15/90		2.5 U	2.6	370	150			2.5 U	2.5 U	2.5 U	1 U	1 U	1 U	1 U	33	1 U	1 U	23	1 U	1 U			10 U	1 U	1 U	1 U	1 U
	07/15/90		25 U	440	1000	760			25 U	25 U	25 U	10 U	10 U	10 U	10 U	65	10 U	10 U	10 U	10 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
	10/15/90		0.5 U	15000	3000	10000		1 U					1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	15	4	12						1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U			1 U				
	04/15/91		0.5 U	8500	1 U	7500							1 U	1 U		63	1 U	1 U	1 U	1 U	1 U			25				
	07/15/91		0.5 U	57	520	22							1 U			61	1 U	1 U	1 U	1 U	1 U			22				
	10/15/91		0.5 U	140	2000	660							1 U			110	1 U	1 U	1 U	1 U	1 U			1 U				
	01/15/92												1 U	3.4		85	7.9	8.7	1 U	1 U	1 U	1 U		1 U				
	04/15/92		0.5 U	1.7	130	2.3	1.2			0.58			0.78			70	4.7	8.1	0.8	1 U	1.3	0.77	1 U	1 U				
	07/15/92		0.5 U	1 U	17	1 U							1 U			160	6.1	19	1 U	1 U	1 U			1 U				
	10/15/92		0.5 U	1 U	11	1 U							1 U	1 U		160	7.9	18	1 U	1 U	1 U		1 U	5				
	01/15/93		1.2 U	2.4 U	110	2.4 U							2 U	2 U		86	4.6	8.5	2 U	2 U	2.1		2 U	2 U				
	04/19/93		0.5 U	1 U	2	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	59	4.3	8.1	1 U	1 U	1.9		1 U	1.3 BI	1 U	1 U	1 U	
	07/12/93		0.5 U	1.8	2.5	6.4			10 U	10 U	10 U	10 U	10 U	10 U	10 U	230	11	37	10 U	10 U	10 U		10 U	19 IB	10 U	10 U	10 U	
	10/13/93		0.5 U	1 U	2.1	3.1			5 U	5 U	5 U	5 U	5 U	5 U	5 U	150	7.9	27	5 U	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	01/10/94		0.5 U	1 U	2.5	2.8			5 U	5 U	5 U	5 U	5 U	5 U	5 U	190	12	25	5 U	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	04/12/94		0.5 U	1 U	1 U	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	80	4.9	17	2 U	2 U	2.2		2 U	2 U	2 U	2 U	2 U	
	07/18/94		0.5 U	1 U	1 U	1.6			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	180 o	12	32	2.5 U	2.5 U	4.4		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	
	10/11/94		0.5 U	1 U	4.5	1 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	360	22	56	10 U	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	01/17/95		10 U	660	850	1100			20 U	20 U	20 U	20 U	20 U	20 U	20 U	660	37	130	20 U	20 U	20 U		20 U	20 U	20 U	20 U	20 U	
	04/17/95		50 U	100 U	1900	1000			10 U	10 U	10 U	10 U	10 U	10 U	10 U	74	10 U	16	10 U	10 U	10 U		10 U	67 B	10 U	10 U	10 U	
	07/11/95		2.5 U	5 U	160	37			5 U	5 U	5 U	5 U	5 U	5 U	5 U	140	9.2	33	5 U	5 U	6		5 U	5 U	5 U	5 U	5 U	
	10/09/95		0.5 U	1 U	5.8	2.2			10 U	10 U	10 U	10 U	10 U	10 U	10 U	180	13	44	10 U	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	01/30/96		25 U	520	460	1000			50 U	50 U	50 U	50 U	50 U	50 U	50 U	620	60	250	50 U	50 U	50 U		50 U	50 U	50 U	50 U	50 U	
	04/16/96		25 U	160	1100	1400			20 U	20 U	20 U	20 U	20 U	20 U	20 U	240	31	87	71	20 U	20 U		20 U	20 U	20 U	20 U	20 U	
	07/15/96		10 U	20 U	460	290			10 U	10 U	10 U	10 U	10 U	10 U	10 U	220	17	50	81	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	10/08/96		0.5 U	1.9	20	8			10 U	10 U	10 U	10 U	10 U	10 U	10 U	250	13	53	33	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	01/14/97		0.5 U	9.4	84	88			1 U	1 U	1 U	1 U	1 U	1 U	1 U	160	16	27	4.3	1 U	4.4		1 U	1 U	1 U	1 U	1 U	
	04/16/97		2.5 U	5 U	120	8.2			5 U	5 U	5 U	5 U	5 U	5 U	5 U	370	26	73	12	5 U	9.6		5 U	5 U	5 U	5 U	5 U	

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Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-09	10/11/95		25 U	110	670	1900			25 U	25 U	25 U	25 U	25 U	74	25 U	320	120	410	25 U	25 U	250		25 U	47	25 U	25 U	25 U	
	02/01/96		50 U	100 U	4300	6100			25 U	25 U	25 U	25 U	25 U	94	25 U	500	130	430	76	25 U	120		25 U	44	25 U	25 U	25 U	
	04/17/96		3.3	5.5	24	22			20 U	20 U	20 U	20 U	20 U	160	20 U	580	170	620	23	20 U	83		20 U	23	20 U	20 U	20 U	
	07/17/96		4.6	2 U	42	4.3			50 U	50 U	50 U	50 U	50 U	160	50 U	570	150	590	50 U	50 U	94		50 U	50 U	50 U	50 U	50 U	
	10/09/96		50 U	100 U	2900	350			20 U	20 U	20 U	20 U	20 U	55	20 U	470	87	400	96	20 U	210		20 U	69	20 U	20 U	20 U	
	01/15/97		2.5 U	5 U	5 U	5 U			5 U	5 U	5 U	5 U	6.8	54	5 U	400	120	260	250	5 U	50		5 U	5.6	5 U	5 U	5 U	
	04/17/97		5 U	10 U	18	10 U			10 U	10 U	10 U	10 U	18	180	10 U	770	200	740	34	10 U	94		11	18	10 U	15	10 U	
	07/10/97		25 U	50 U	2500	860			50 U	50 U	50 U	50 U	50 U	210	50 U	850	240	840	50 U	50 U	110		50 U	50 U	50 U	50 U	50 U	
	10/16/97		25 U	150	1900	4800			50 U	50 U	50 U	50 U	50 U	57	50 U	600	160	740	57	50 U	470		50 U	550	50 U	50 U	50 U	
	01/15/98		5 U	10 U	690	260			10 U	10 U	10 U	10 U	10 U	37	10 U	270	67	240	200	10 U	99		10 U	20	10 U	10 U	10 U	
	04/23/98		5 U	10 U	23	10 U			10 U	10 U	10 U	10 U	15	90	10 U	390	160	460	190	10 U	52		10 U	10 U	10 U	14	10 U	
	07/15/98		12 U	25 U	73 U	25 U										1300 U												
	10/21/98		7.4 D	12 UD	390 D	12 U			12 UD	12 UD	12 UD	12 UD	26 D	160 D	18 D	1200 D	270 D	1200 D	96 D	12 UD	530 D		12 D	920 D	12 UD	16 D	12 UD	
	01/15/99		5 U	5 U	100 U	83 U							12 U			550 U	68 U	250 U	180 U	5 U	160 U		5 U	200 U				
	04/15/99		5 U	5 U	5 U	5 U							7 U	16 U	5 U	350 U	68 U	250 U	180 U	5 U	160 U	16 U	5 U	200 U				
	07/15/99		25 U	25 U	25 U	25 U							25 U	25 U		810 U	190 U	780 U	140 U	25 U	440 U	50 U	25 U	1400 U				
	10/15/99		5 U	5 U	5 U	10 U							5 U	5 U		280 U	86 U	160 U	85 U	5 U	92 U	7.4 U	5 U	250 U				
	01/15/00		5 U	5 U	5 U	5 U							5 U			170 U	52 U	170 U	38 U	5 U	150 U	7 U	5 U	300 U				
	04/15/00		5 U	5 U	5 U	5 U							7 U			370 U	110 U	240 U	57 U	5 U	57 U	15 U	5 U	30 U				
	10/15/00		5 U	5 U	29 U	5 U							5 U	15 U		160 U	37 U	130 U	96 U	5 U	22 U	11 U	5 U	5 U				
	04/15/01		5 U	5 U	5 U	5 U							8.1 U	19 U		200 U	52 U	150 U	130 U	5 U	29 U	21 U	5 U	5.1 U				
	07/19/01		5 U	5 U	440	25			5 U	5 U	5 U	5 U	5 U	5 U	5 U	110	26	88	68	5 U	16	11	5 U	6.8	10 U	10 U	10 U	
	07/19/01	K	5 U	5 U	390	22			5 U	5 U	5 U	5 U	5 U	9.8	5 U	130	33	110	64	5 U	19	13	5 U	8.2	10 U	10 U	10 U	
	10/18/01		5 U	5 U	8.1	5 U			5 U	5 U	5 U	5 U	6.5	8.8	5 U	440	89	260	240	5 U	110	15	5 U	69	10 U	10 U	10 U	
	10/18/01	K	5 U	5 U	33	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	340	64	160	250	5 U	65	7.6	5 U	68	10 U	10 U	10 U	
	01/17/02		2.5 U	2.5 U	2.5 U	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	4.4	3.6	2.5 U	200	43	89	140	2.5 U	35	5.3	2.5 U	14	5 U	5 U	5 U	
	01/17/02	K	2.5 U	2.5 U	2.5 U	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	4.2	3.8	2.5 U	200	44	91	150	2.5 U	36	5.3	2.5 U	15	5 U	5 U	5 U	
	04/18/02		2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	2.5 U	4.2	12	2.5 U	140	33	110	64	2.5 U	26	11	2.5 U	6.9	5 U	5 U	5 U	
	04/18/02	K	2.5 U	2.5 U	2.5 U	5 U			2.5 U	2.5 U	2.5 U	2.5 U	6	20	2.5 U	190	48	160	56	2.5 U	36	16	2.5 U	10	5 U	5 U	5 U	
	07/26/02		25 U	25 U	25 U	50 U			25 U	25 U	25 U	25 U	25 U	25 U	25 U	480	89	320	340	25 U	150	25 U	25 U	280	50 U	50 U	50 U	
	07/26/02	K	10 U	10 U	10 U	20 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	570	130	360	380	10 U	170	13	10 U	320	20 U	20 U	20 U	
	10/24/02		10 U	10 U	10 U	20 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	530	140	530	190	10 U	300	23	10 U	230	20 U	20 U	20 U	
	10/24/02	K	10 U	10 U	10 U	20 U			10 U	10 U	10 U	10 U	12	10 U	10 U	640	160	630	210	10 U	360	28	10 U	270	20 U	20 U	20 U	
	01/09/03		2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	9.6	5 U	5 U	390	100	290	100	2.5 U	150	12	5 U	160	2.5 U	5 U	5 U	25 U
	01/09/03	K	2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	9	5 U	5 U	390	100	290	110	2.5 U	150	11	5 U	170	2.5 U	5 U	5 U	25 U
	04/25/03		2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	6	5.6	5 U	240	55	180	180	2.5 U	80	12	5 U	25 U	2.5 U	5 U	5 U	25 U
	04/25/03	K	2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5.5	5.8	5 U	250	58	200	170	2.5 U	86	13	5 U	25 U	2.5 U	5 U	5 U	25 U
	07/31/03		5 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	480	120	370	330	5 U	160	20	10 U	84	5 U	10 U	10 U	50 U
	07/31/03	K	2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	9	7.2	5 U	460	120	390	310	2.5 U	170	22	5 U	81	2.5 U	5 U	5 U	25 U
	10/22/03		5 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	150	38	130	140	5 U	74	10 U	10 U	190	5 U	10 U	10 U	50 U
	10/22/03	K	1 U	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U	4.1	2 U	2 U	130	32	120	140	1 U	66	4.3	2 U	140	1 U	2 U	2 U	10 U
MW-10	01/15/89		0.5 U	0.5 U	0.54	0.5 U			0.2 U	0.01 U	0.01 U	0.2 U	1.2	0.2 U	0.2 U	32	0.2 U	2.8	3.7	0.2 U	0.2 U		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-14S	04/15/92		0.5 U	1 U	1 U	1 U	1 U			1 U			0.6			56	11	7	5.6	1 U	1.6	0.86	1 U	1				
	07/15/92		0.6	1 U	1 U	1 U							1 U			44	5.8	4.4	1.2	1 U	1.4			2.6				
	10/15/92		0.5 U	1 U	1 U	1 U							1 U	1 U		71	9.4	8.1	3.9	1 U	2.3		1 U	3.5				
	01/15/93		0.5 U	1 U	1 U	1 U							1 U	1 U		56	7.4	5.3	1.8	1 U	5.1		1 U	2.1				
	04/22/93		0.5 U	24	40	55			1 U	1 U	1 U	1 U	1 U	1 U	1 U	18	2.3	1.4	1 U	2.3	3.8		1 U	1 U	1 U	1 U	1 U	
	07/13/93		0.5 U	1.3	1.2	3.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	2.8	1.9	1 U	2.1	5.4		1 U	1.7 IB	1 U	1 U	1 U	
	10/14/93		0.5 U	1 U	2.1	3.7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	25	3.3	2.6	1 U	4.4	6.2		1 U	1.4 I	1 U	1 U	1 U	
	01/12/94		0.5 U	1 U	3.2	1.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	21	3	2.2	1 U	4.3	6.7		1 U	1.2 I	1 U	1 U	1 U	
	04/13/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	29	3.1	2.7	1 U	11	16		1 U	1.2 I	1 U	1 U	1 U	
	07/20/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	15	1.8	1 U	1 U	11	8.6		1 U	1 U	1 U	1 U	1 U	
	10/11/94		0.53	1 U	1 U	1 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	58	9.2	8	2 U	12	17		2 U	2 U	2 U	2 U	2 U	
	02/08/95		50 U	100 U	3000	690			1 U	1 U	1 U	1 U	1 U	1 U	1 U	50	6.2	7.8	3.3	10	11		1 U	1 U	1 U	1 U	1 U	
	04/18/95		2.5 U	76	120	190			1 U	1 U	1 U	1 U	1.3	1 U	1 U	20	2.9	2.5	1 U	17	16		1 U	4.2 B	1 U	1 U	1 U	
	07/12/95		0.5 U	2.8	26	12			1 U	1 U	1 U	1 U	1.5	1 U	1 U	22	3	2.6	1 U	14	14		1 U	1.5 I	1 U	1 U	1 U	
	10/11/95		0.5 U	1 U	2.1	2			2 U	2 U	2 U	2 U	2 U	2 U	2 U	35	5.7	4.8	2 U	28	27		2 U	2.4	2 U	2 U	2 U	
	02/01/96		1 U	4.7	87	58			2 U	2 U	2 U	2 U	2 U	2 U	2 U	42	6.5	8.8	2 U	12	11		2 U	2 U	2 U	2 U	2 U	
	04/17/96		2.5 U	54	120	110			2 U	2 U	2 U	2 U	2 U	2 U	2 U	51	7.7	7.7	6.7	32	27		2 U	3.1	2 U	2 U	2 U	
	07/17/96		0.58	1 U	20	10			2 U	2 U	2 U	2 U	2 U	2 U	2 U	37	5.8	5.3	4.9	26	22		2 U	2 U	2 U	2 U	2 U	
	10/08/96		0.5 U	1 U	13	2.9			2 U	2 U	2 U	2 U	2 U	2 U	2 U	61	9.6	11	3.1	29	20		2 U	2 U	2 U	2 U	2 U	
	01/15/97		2.5 U	5 U	470	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	90	20	19	19	42	24		5 U	5 U	5 U	5 U	5 U	
	04/16/97		0.58	2.9	91	36			1 U	1 U	1 U	1 U	2.2	1 U	1 U	45	8.3	9.6	9	26	21		1 U	1.6	1 U	1 U	1 U	
	07/10/97		0.5 U	1 U	14	1 U			1 U	1 U	1 U	1 U	4.4	1 U	1 U	35	6.7	7.1	4.2	19	17		1 U	1.4	1 U	1 U	1 U	
	10/16/97		0.5 U	1 U	20	1.8			1 U	1 U	1 U	1 U	1 U	1 U	1 U	57	17	20	1.2	34	25		1 U	2.3	1 U	1 U	1 U	
	01/15/98		0.5 U	1.1	19	5			1 U	1 U	1 U	1 U	1.2	1 U	1 U	50	11	13	4.7	21	11		1 U	1 U	1 U	1 U	1 U	
	04/23/98		12 U	25 U	1500	150			25 U	25 U	25 U	25 U	25 U	25 U	25 U	38	25 U	25 U	25 U	25 U	25 U		25 U	25 U	25 U	25 U	25 U	
	07/15/98		0.51 U	1 U	18 U	8.4 U										18 U												
	10/21/98		1.2 UD	2.5 UD	120 D	29 U			2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD	62 D	13 D	17 D	6 D	25 D	20 D		2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD	
	01/15/99		1.1 U	2 U	77 U	64 U							2 U			84 U	22 U	30 U	20 U	25 U	18 U		12 U	12 U				
	04/15/99		12 U	12 U	820 U	47 U							12 U	12 U	12 U	84 U	22 U	30 U	20 U	25 U	18 U	12 U	12 U	12 U				
	07/15/99		50 U	50 U	3000 U	50 U							50 U	50 U		74 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U				
	10/15/99		2.1 U	5 U	120 U	10 U							5 U	5 U		180 U	56 U	67 U	22 U	37 U	32 U	12 U	5 U	5 U				
	01/15/00		5 U	5 U	5 U	5 U							5 U			230 U	69 U	81 U	31 U	35 U	29 U	14 U	5 U	5.7 U				
	04/15/00		3.2 U	2 U	110 U	2 U							2 U			60 U	13 U	19 U	96 U	6.1 U	5 U	13 U	2 U	2 U				
	10/15/00		5 U	5 U	230 U	5 U							5 U	5 U		170 U	39 U	49 U	37 U	25 U	25 U	11 U	5 U	5 U				
	04/15/01		2.1 U	2 U	8.6 U	2 U							2 U	2 U		130 U	27 U	36 U	12 U	28 U	23 U	6.7 U	2 U	2 U				
	07/19/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	35	5.5	7.4	3.5	2.2	2.2	2.1	1 U	1 U	2 U	2 U	2 U	
	10/17/01		2 U	2 U	2.4	2 U			2.3	2 U	2 U	2 U	2.4	2 U	2 U	170	39	56	6.4	22	23	5.2	2 U	2 U	4 U	4 U	4 U	
	01/16/02		50 U	50 U	2700	1100			50 U	50 U	50 U	50 U	50 U	50 U	50 U	91	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	100 U	100 U	100 U	
	04/17/02		2 U	2 U	2 U	3.8			2 U	2 U	2 U	2 U	2 U	2 U	2 U	130	30	41	13	18	18	5.3	2 U	2 U	4 U	4 U	4 U	
	07/25/02		25 U	25 U	860	50 U			25 U	25 U	25 U	25 U	25 U	25 U	25 U	150	39	43	25 U	25 U	25 U	25 U	25 U	25 U	50 U	50 U	50 U	
	10/23/02		5 U	5 U	14	10 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	360	71	85	6.9	15	28	9	5 U	5 U	10 U	10 U	10 U	
	12/30/02		1.2 J	10 U	130	110 U		10 U	1.8 J	10 U	10 U	10 U	1.7 J	10 U	10 U	190	35	50	56	7.2 J	13	12	10 U	2.7 J	10 U	10 U	10 U	10 U
	04/24/03		2.6	4 U	240	15.4	6	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	160	37	47	36	6.6	12	10	4 U	20 U	2 U	4 U	4 U	20 U

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Phibro-Tech, Inc.
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Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-11	07/09/97		2.5 U	5 U	8.3	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	240	18	56	6	5 U	8.3		5 U	5 U	5 U	5 U	5 U	
	10/15/97		2.5 U	5 U	5 U	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	350	40	100	5 U	5 U	12		5 U	5 U	5 U	5 U	5 U	
	01/14/98		12 U	770	1800	2200			25 U	25 U	25 U	25 U	25 U	25 U	25 U	390	28	56	25 U	25 U	25 U		25 U	25 U	25 U	25 U	25 U	
	04/22/98		1.2 U	63	150	210			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	180	19	34	19	2.5 U	5.2		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	
	07/15/98		1.2 UD	2.5 UD	41 D	4.8 U			2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD	150 D	12 D	29 D	4.2 D	2.5 UD	5.8 D		2.5 UD	2.5 UD	2.5 UD	2.5 UD	2.5 UD	
	10/20/98		5 UD	10 UD	10 UD	10 U			10 UD	10 UD	10 UD	10 UD	10 UD	10 UD	10 UD	430 D	33 D	100 D	10 UD	10 UD	16 D		10 UD	10 UD	10 UD	10 UD	10 UD	
	01/15/99		25 U	260 U	1600 U	1270 U							12 U			690 U	29 U	70 U	28 U	25 U	25 U		25 U	25 U				
	04/15/99		25 U	670 U	1600 U	1270 U							25 U	25 U	25 U	480 U	29 U	70 U	28 U	25 U	25 U	25 U	25 U	25 U				
	07/15/99		10 U	10 U	85 U	10 U							25 U	17 U		740 U	69 U	250 U	12 U	10 U	30 U	28 U	10 U	10 U				
	10/15/99		10 U	10 U	480 U	52 U							10 U	10 U		650 U	56 U	110 U	110 U	10 U	18 U	21 U	10 U	10 U				
	01/15/00		12 U	12 U	12 U	12 U							22 U			820 U	100 U	230 U	22 U	12 U	29 U	50 U	12 U	12 U				
	04/15/00		12 U	12 U	55 U	17 U							12 U			1100 U	98 U	220 U	65 U	12 U	30 U	54 U	12 U	12 U				
	10/15/00		50 U	50 U	50 U	50 U							69 U	50 U		2900 U	480 U	360 U	220 U	980 U	910 U	50 U	50 U	50 U				
	04/15/01		25 U	25 U	48 U	25 U							25 U	25 U		1700 U	140 U	370 U	25 U	25 U	54 U	51 U	25 U	25 U				
	07/17/01		5 U	5 U	5 U	5 U			5 U	5.7	5 U	5 U	5 U	5 U	5 U	400	30	67	5 U	5 U	9.9	9	5 U	5 U	10 U	10 U	10 U	
	10/18/01		25 U	25 U	90	122			25 U	25 U	25 U	25 U	25 U	27	25 U	1500	98	410	25 U	25 U	50	51	25 U	25 U	50 U	50 U	50 U	
	01/17/02		25 U	31	1900	530			25 U	25 U	25 U	25 U	25 U	25 U	25 U	630	44	120	25 U	25 U	25 U	54	25 U	25 U	50 U	50 U	50 U	
	04/18/02		25 U	25 U	300	50 U			25 U	25 U	25 U	25 U	25 U	27	25 U	1300	89	360	25 U	25 U	44	66	25 U	25 U	50 U	50 U	50 U	
	07/26/02		50 U	50 U	50 U	100 U			50 U	50 U	50 U	50 U	50 U	50 U	50 U	1500	110	410	50 U	50 U	50 U	58	50 U	50 U	100 U	100 U	100 U	
	10/24/02		10 U	10 U	390	20 U			10 U	10 U	10 U	10 U	10 U	10 U	10 U	700	59	140	130	10 U	24	39	10 U	10 U	20 U	20 U	20 U	
	12/30/02		1.4 J	20 U	31	40 U		20 U	3.5 J	3.2 J	20 U	20 U	3.4 J	20 U	20 U	550	42	110	100	20 U	15 J	22	20 U	20 U	20 U	20 U	20 U	20 U
	04/25/03		2.5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	410	40	120	16	2.5 U	13	29	5 U	25 U	2.5 U	5 U	5 U	25 U
	07/31/03		5 U	10 U	210	94	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1100	96	370	5.4	5 U	50	44	10 U	50 U	5 U	10 U	10 U	50 U
	10/23/03		20 U	20 U	710	40 U			20 U	20 U	20 U	20 U	20 U	20 U	20 U	380	50 U	56	300	50 U	20 U	46	20 U	50 U	50 U	50 U	50 U	50 U
MW-12	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U			1 U				
MW-13D	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		2.6	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			1.5	1 U	1 U	1 U	1 U	1 U			1 U				
MW-13S	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		23	1 U	1.5	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						3	1 U			7.8 U	1 U	1.6	1 U	1 U	1 U			1 U				
	07/14/93		0.5 U	4	16	27			1 U	1 U	1 U	1 U	1 U	1 U	1 U	30	3.3	35	19	1 U	1 U		3.9	2.3 IB	1 U	1 U	1 U	
	10/15/93		0.5 U	1 U	13	3			2 U	2 U	2 U	2 U	2 U	2 U	2 U	18	2 U	9.7	71	2 U	2 U		2 U	2 U	2 U	2 U	2 U	
MW-14D	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		1.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1 U	1 U	1 U						1 U	1 U			1.6	1 U	1 U	1 U	1 U	1 U			1 U				
MW-14S	10/15/90		0.5 U	1 U	1750	1 U		1 U					1 U	1 U		180	28	20	48	1 U	1 U		1 U	40				
	01/15/91		0.5 U	1 U	2	1 U						1 U	1 U			108	15	13	38	1 U	1 U			13				
	04/15/91		0.5 U	1 U	3300	1 U							1 U	1 U		84	22	1 U	24	1 U	1 U			31				
	07/15/91		0.5 U	1 U	31	1 U							1 U			55	7.2	1 U	12	1 U	1 U			26				
	10/15/91		0.5 U	1 U	410	1 U							1 U			81	15	11	19	1 U	1 U			1 U				
	01/15/92												1 U	1 U		59	20	8.9	9.4	1 U	1 U	1 U		1 U				

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-15D	07/19/01		1 U	1 U	2.5	1 U			1 U	1 U	1 U	1 U	1.8	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	10/17/01		2.2	1 U	1 U	1 U			1 U	1 U	1 U	1 U	2.4	1 U	1 U	6.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	01/16/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	8	1 U	1 U	6.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	04/17/02		1.1	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.6	1 U	1 U	6.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	07/25/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.9	1 U	1 U	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	10/22/02		1.2	1 U	3.8	4.9			1 U	1 U	1 U	1 U	2.4	1 U	1 U	6.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U	2 U	2 U	
	01/08/03		1.3	1 U	7.7	2.3	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	11	1 U	1	2	0.52	1.1	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	04/23/03		2.3	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	7.6	1 U	1 U	1.3	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	07/30/03		1.4	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	8.1	1 U	1 U	0.77	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	10/21/03		1.9	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	5.3	1 U	1 U	0.6	0.5 U	1 U	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
MW-15S	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		21	1 U	1 U	16	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	4	1.6	4						1 U	1 U			13	1	1 U	9.6	1 U	1 U			1 U				
	04/15/91		0.5 U	1 U	4100	1 U							1 U	1 U		28	1.5	1 U	12	1 U	1 U			7.1				
	07/15/91		0.5 U	1 U	1 U	1 U							1 U			17	1.3	1 U	1 U	1 U	1 U			2				
	10/15/91		0.5 U	1 U	1 U	1 U							1 U			13	1.1	0.71	1 U	1 U	1 U			1 U				
	01/15/92												1 U	1 U		15	1 U	1 U	1 U	1	2	1 U		1 U				
	04/15/92		0.5 U	1 U	1 U	1 U	1 U	1 U		1 U			0.61			4.1	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			2.9	1 U	1 U	1 U	1 U	1 U			1.1				
	10/15/92		0.5 U	1 U	1 U	1 U							1 U	1 U		7.7	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/93		0.5 U	1 U	1 U	1 U							1 U	1 U		9	1 U	1 U	1 U	1 U	2.1		1 U	1 U				
	04/21/93		0.5 U	14	10	22			1 U	1 U	1 U	1 U	7.4	1 U	1 U	4.6	1 U	1 U	1 U	1 U	1 U		1 U	1.2 IB	1 U	1 U	1 U	
	07/14/93		0.5 U	1.2	1 U	2.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U		1 U	1 I	1 U	1 U	1 U	
	10/14/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/12/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/13/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/20/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/11/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.1	1 U	1 U	6	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/18/95		1 U	4	64	27			1 U	1 U	1 U	1 U	6.3	1 U	1 U	3.7	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/19/95		2.5 U	60	82	130			1 U	1 U	1 U	1 U	2.8	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/12/95		0.5 U	2.5	18	12			1 U	1 U	1 U	1 U	2	1 U	1 U	5.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/11/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.4	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	02/01/96		0.5 U	1.8	25	22			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U	1.9	1.5		1 U	1 U	1 U	1 U	1 U	
	04/17/96		0.5 U	13	40	45			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U	2.5	1.4		1 U	1 U	1 U	1 U	1 U	
	07/17/96		0.5 U	1 U	9.7	5.4			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.2	1 U	1 U	1 U	2	1.1		1 U	1 U	1 U	1 U	1 U	
	10/08/96		0.5 U	1 U	2.9	2.6			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.3	1 U	1 U	1 U	3.8	2.2		1 U	1 U	1 U	1 U	1 U	
	01/15/97		0.5 U	5.5	69	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.1	1 U	1 U	4.7	3.3	2.1		1 U	1 U	1 U	1 U	1 U	
	04/17/97		0.5 U	9.3	21	8.5			1 U	1 U	1 U	1 U	4.1	1 U	1 U	3.3	1 U	1 U	1 U	2	1.3		1 U	1 U	1 U	1 U	1 U	
	07/10/97		0.5 U	1 U	8.2	1.3			1 U	1 U	1 U	1 U	3.4	1 U	1 U	4.1	1 U	1 U	1 U	2.6	2.2		1 U	1 U	1 U	1 U	1 U	
	10/16/97		0.5 U	1 U	17	1.7			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5.2	1 U	1 U	1 U	2.2	3.9		1 U	1 U	1 U	1 U	1 U	
	01/15/98		0.5 U	1 U	12	3.7			1 U	1 U	1 U	1 U	1.4	1 U	1 U	5	1 U	1 U	1 U	4.2	2.9		1 U	1 U	1 U	1 U	1 U	
	04/23/98		0.5 U	1 U	60	7.2			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.1	1 U	1 U	25	1.4	1.8		1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	10 U	2.9 U										3.4 U												

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-14S	07/30/03		1.4	1 U	49	2 U	1.6	1 U	3.1	1 U	1 U	1 U	3.3	1 U	1 U	200	59	79	19	11	26	8.5	1 U	5 U	0.5 U	1 U	1 U	5 U
	10/23/03		20 U	20 U	80	40 U			20 U	20 U	20 U	20 U	20 U	20 U	20 U	490	90	110	46	50 U	37	20 U	20 U	50 U	50 U	50 U	50 U	50 U
MW-15D	10/15/90		0.5 U	1 U	1 U	1 U		1 U					1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/91		0.5 U	1.3	1 U	1 U						1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U			1 U				
	04/15/91		0.5 U	1 U	1 U	1 U							1 U	1 U		1.2	1 U	1 U	1 U	1 U	1 U			4.1				
	07/15/91		0.5 U	1 U	1 U	1 U							1 U			1.3	1 U	1 U	1 U	1 U	1 U			1.7				
	10/15/91		0.5 U	1 U	1 U	1 U							7			1.8	1 U	1 U	1 U	1 U	1 U			1 U				
	01/15/92												1 U	1 U		2	1 U	1 U	1 U	1 U	1 U	1 U		1 U				
	04/15/92		0.5 U	1 U	1 U	1 U	1 U			1 U			1.4			1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			1.9	1 U	1 U	1 U	1 U	1 U			1.5				
	10/15/92		0.5 U	1 U	1 U	1 U							1.3	1 U		2.8	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	01/15/93		0.5 U	13	18	38							1.6	1 U		2.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/21/93		0.5 U	42	29	71			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U		1 U	1.6 IB	1 U	1 U	1 U	
	07/14/93		1.1	5.3	2.4	8.5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/14/93		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/12/94		0.88	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/13/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.1	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/20/94		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/12/94		0.5 U	1.4	1.1	8.3			1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/18/95		1.1	1 U	15	6.8			1 U	1 U	1 U	1 U	2.3	1 U	1 U	1.5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/19/95		2.5 U	14	32	50			1 U	1 U	1 U	1 U	2.2	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/12/95		0.5 U	1 U	6.3	5			1 U	1 U	1 U	1 U	2.7	1 U	1 U	2.6	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/11/95		0.5 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.8	1 U	1 U	2.3	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	02/01/96		0.5 U	1.2	16	14			1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/17/96		1 U	10	32	36			1 U	1 U	1 U	1 U	2	1 U	1 U	3.8	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/17/96		0.5 U	1 U	6.8	3.6			1 U	1 U	1 U	1 U	3	1 U	1 U	3.7	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/09/96		0.5 U	1 U	5.4	5.5			1 U	1 U	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/97		0.5 U	7.2	35	1 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	4.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/17/97		0.5 U	1 U	5	1.6			1 U	1 U	1 U	1 U	2	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/10/97		0.5 U	1 U	6.2	1 U			1 U	1 U	1 U	1 U	2.9	1 U	1 U	3.4	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/16/97		0.5 U	1 U	14	1.4			1 U	1 U	1 U	1 U	1.5	1 U	1 U	3.8	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/98		0.5 U	1 U	7.6	2.3			1 U	1 U	1 U	1 U	1.4	1 U	1 U	3.9	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/23/98		0.5 U	1 U	44	4			1 U	1 U	1 U	1 U	1.9	1 U	1 U	5.1	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	10/21/98		0.5 U	1 U	26				1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/15/99		1 U	1 U	12 U	1.6 U							1			25 U	2.3 U	1 U	1 U	1 U	1 U		1 U	1 U				
	04/15/99		1 U	1 U	12 U	1.6 U							13 U	1 U	1 U	25 U	2.3 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	07/15/99		1 U	1 U	34 U	1 U							13 U	1 U		9 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/99		1 U	1 U	6 U	2 U							1.5 U	1 U		5.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	01/15/00		1 U	1 U	1 U	1 U							5.3 U			9.7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/00		1 U	1 U	1 U	1 U							7.4 U			13 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	10/15/00		1.8 U	1 U	2.9 U	1 U							4 U	1 U		8.7 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				
	04/15/01		1 U	1 U	11 U	2.1 U							5.4 U	1 U		12 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U				

Table B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-16	01/15/98		0.5 U	1 U	12	3.8			1 U	1 U	1 U	1 U	1.8	1 U	1 U	29	13	92	57	1 U	1 U		2.4	1 U	1 U	1 U	1 U	
	04/23/98		0.5 U	1 U	28	2.7			1 U	1 U	1 U	1 U	1.2	1 U	1 U	29	11	98	44	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	07/15/98		0.5 U	1 U	6 U	1.8 U										28 U												
	10/21/98		2.5 UD	5 UD	16 D	5 U			5 UD	5 UD	5 UD	5 UD	5 UD	5 UD	5 UD	58 D	19 D	270 D	100 D	5 UD	5 UD		5.1 D	5 UD	5 UD	5 UD	5 UD	
	01/15/99		1 U	2 U	6.1 U	2 U							2 U			36 U	20 U	180 U	41 U	2 U	2 U		3.4 U	2 U				
	04/15/99																		41 U									
	04/15/99		2 U	2 U	6.1 U	2 U							2 U	2 U	2 U	39 U	20 U	180 U		2 U	2 U	13 U	3.4 U	2 U				
	07/15/99		2 U	2 U	33 U	2 U							22 U	2 U		29 U	13 U	130 U	26 U	2 U	2 U	12 U	3.2 U	2 U				
	10/15/99		2 U	2 U	2 U	10 U							5 U	5 U		42 U	30 U	220 U	26 U	5 U	5 U	41 U	8.4 U	5 U				
	01/15/00		1 U	1 U	1 U	1 U							1 U			18 U	14 U	69 U	7.5 U	1 U	1 U	15 U	3.4 U	1 U				
	04/15/00		2 U	2 U	2 U	2 U							2 U			26 U	11 U	97 U	7.4 U	2 U	2 U	7.6 U	2 U	2 U				
	10/15/00		2.5 U	2.5 U	7 U	2.5 U							2.5 U	2.5 U		36 U	10 U	130 U	43 U	2.5 U	2.5 U	14 U	2.6 U	2.5 U				
	04/15/01		2 U	2 U	39	11.6 U							2 U	2 U		36 U	11 U	97 U	75 U	2 U	2 U	8 U	2 U	2 U				
	07/19/01		2.5 U	2.5 U	2.7	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	26	7.3	72	160	2.5 U	2.5 U	7.2	2.5 U	2.5 U	5 U	5 U	5 U	
	10/18/01		2 U	2 U	41	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	34	13	130	49	2 U	2 U	14	2.8	2 U	4 U	4 U	4 U	
	01/17/02		2 U	2 U	2 U	2 U			2 U	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	4 U	4 U	4 U	
	04/18/02		2 U	2 U	2 U	4 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	37	10	110	90	2 U	2 U	6.5	2 U	2 U	4 U	4 U	4 U	
	07/26/02		5 U	5 U	5 U	10 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	47	22	220	35	5 U	5 U	27	5.5	5 U	10 U	10 U	10 U	
	10/24/02		2 U	2 U	2 U	4 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	25	16	120	13	2 U	2 U	20	4.2	2 U	4 U	4 U	4 U	
	01/09/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	20	11	75	8.1	0.5 U	1 U	14	2.7	5 U	0.59	1 U	1 U	5 U
	04/24/03		0.5 U	1 U	8.3	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	20	7	63	14	0.5 U	1 U	6.1	1.3	5 U	0.5 U	1 U	1 U	5 U
	07/31/03		0.51	1 U	1.5	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	38	19	180	25	0.5 U	1	29	6.1	5 U	0.69	1 U	1 U	5 U
	10/22/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	22	11	100	10	0.5 U	1 U	25	4.2	5 U	0.67	1 U	1 U	5 U

Notes:

PCA = Tetrachloroethane; PCE = Tetrachloroethene; TCE = Trichloroethene; TCA = Trichloroethane; DCE = Dichloroethene; DCA = Dichloroethane; DCB = Dichlorobenzene; CFM = Chloroform; DCFM = Dichlorodifluoromethane; DBE - Dibromoethane; 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

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.
M-HA = Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
M2 = The MS and/or MSD were below acceptance limits due to sample matrix interference.
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 B-1
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Volatile Organic Compounds (VOCs) Analytical Summary

Well Number	Sample Date	Sample Type	Benzene	Toluene	Ethyl-benzene	Xylenes, Total	Isopropyl-benzene	1,2-DBE	Chloro benzene	1,2-DCB	1,3-DCB	1,1,2,2-PCA	PCE	1,1,1-TCA	1,1,2-TCA	TCE	1,1-DCE	1,1-DCA	1,2-DCA	CCl4	CFM	cis-1,2-DCE	trans-1,2-DCE	MCL	Vinyl chloride	Chloro ethane	Chloro methane	DCFM
MW-15S	10/21/98		0.5 U	1 U	45	12 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	4.5	3	3.2		1 U	1 U	1 U	1 U	1 U	
	01/15/99		0.5 U	1 U	23 U	2.2 U							1.1			7 U	1 U	1 U	75 U	1.7 U	2.9 U		1 U	1 U				
	04/15/99		1 U	1 U	23 U	2.2 U							1.3 U	1 U	1 U	4.2 U	1 U	1 U	75 U	1.7 U	2.9 U	1 U	1 U	1 U				
	07/15/99		1 U	1 U	29 U	23 U							6.1 U	1 U		3.9 U	1 U	1 U	34 U	2.5 U	4.2 U	1 U	1 U	1 U				
	10/15/99		2 U	2 U	12 U	2 U							2 U	2 U		6.7 U	2 U	2 U	110 U	2 U	2.1 U	2 U	2 U	2 U				
	01/15/00		1 U	1 U	9.3 U	1 U							1 U			25 U	5.3 U	10 U	23 U	1 U	2.9 U	13 U	1 U	1 U				
	04/15/00		1 U	1 U	1 U	1 U							1.3 U			17 U	2.5 U	6.2 U	78 U	1 U	1.8 U	9.8 U	1 U	1 U				
	10/15/00		1 U	1 U	17 U	1 U							1.3 U	1 U		6.7 U	1 U	1 U	37 U	3.9 U	6.8 U	2.3 U	1 U	1 U				
	04/15/01		1 U	1 U	1 U	1 U							1.3 U	1 U		3 U	1 U	1 U	16 U	2.2 U	4.3 U	1 U	1 U	1 U				
	07/19/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.4	1 U	1 U	5.1	1 U	1 U	11	2.1	4	1 U	1 U	1 U	2 U	2 U	2 U	
	10/17/01		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	2.8	1 U	1 U	8.2	2	3.5	1 U	1 U	1 U	2 U	2 U	2 U	
	01/16/02		1 U	1 U	1 U	1 U			1 U	1 U	1 U	1 U	1.1	1 U	1 U	2.7	1 U	1 U	8.6	1.4	2.9	1 U	1 U	1 U	2 U	2 U	2 U	
	04/17/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.1	1 U	1 U	2.9	1 U	1 U	3	2.9	4	1 U	1 U	12	2 U	2 U	2 U	
	07/24/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.2	1 U	1 U	4.4	1 U	1 U	3	1.3	2.8	1 U	1 U	1 U	2 U	2 U	2 U	
	10/23/02		1 U	1 U	1 U	2 U			1 U	1 U	1 U	1 U	1.5	1 U	1 U	13	1.3	2.5	2.8	3.6	9.7	1 U	1 U	1 U	2 U	2 U	2 U	
	01/08/03		0.53	1 U	6	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	22	2.9	6.3	14	0.5 U	1 U	6.9	1 U	5 U	0.5 U	1 U	1 U	5 U
	04/24/03		0.5	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.2	1 U	1 U	12	0.5 U	2	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	07/30/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	5.1	1 U	1 U	13	4.5	21	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
	10/22/03		0.5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	21	2.4	2.7	22	2	11	1 U	1 U	5 U	0.5 U	1 U	1 U	5 U
MW-16	04/15/92		0.5 U	0.69	1	1.6	1 U			1 U			0.86			52	15	140	120	1 U	0.88	13	2.4	1 U				
	07/15/92		0.5 U	1 U	1 U	1 U							1 U			35	5	59	81	1 U	2.4			3.3				
	10/15/92		0.5 U	1 U	1 U	1 U							1 U	1 U		72	10	130	92	1 U	3.3		1 U	4.6				
	01/15/93		1.2 U	2.4 U	2.4 U	2.4 U							2.5 U	2.5 U		51	11	120	79	2.5 U	2.5 U		2.5 U	2.5 U				
	04/22/93		25 U	55	2300	1200			8.1	1 U	1 U	1 U	1 U	1 U	1 U	42	4.7	28	33	1 U	1 U		1 U	2.3 I	1 U	1 U	1 U	
	07/14/93		50 U	100 U	3100	2000			100 U	20 U	100 U	20 U	20 U	20 U	20 U	15 J	20 U	21	17 J	20 U	20 U		17 J	20 U	20 U	20 U	20 U	
	10/14/93		5 U	10 U	340	10 U			1 U	1 U	1 U	1 U	1 U	1 U	1 U	24	5.8	33	11	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	01/12/94		10 U	20 U	1000	20 U			20 U	20 U	20 U	1 U	1 U	1 U	1 U	22	6.7	56	15	1 U	1 U		1 U	1 U	1 U	1 U	1 U	
	04/13/94		10 U	20 U	820	20 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	37	7.9	71	19	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	07/20/94		25 U	50 U	1300	730			5 U	5 U	5 U	5 U	5 U	5 U	5 U	76	19	140	23	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	10/13/94		0.5 U	1.5	2.4	9.7			10 U	10 U	10 U	10 U	10 U	10 U	10 U	91	29	260	71	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	01/16/95		0.5 U	1 U	1 U	1 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	17	5 U	56	54	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	04/19/95		5 U	16	36	55			10 U	10 U	10 U	10 U	10 U	10 U	10 U	34	10 U	110	65	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	07/13/95		10 U	20 U	540	20 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	67	13	97	99	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	10/11/95		0.5 U	1 U	1.8	1.3			10 U	10 U	10 U	10 U	10 U	10 U	10 U	60	22	230	74	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	02/01/96		0.5 U	1 U	11	9.7			10 U	10 U	10 U	10 U	10 U	10 U	10 U	26	14	130	140	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	04/17/96		0.5 U	9.8	30	33			5 U	5 U	5 U	5 U	5 U	5 U	5 U	36	7.3	120	97	5 U	5 U		5 U	5 U	5 U	5 U	5 U	
	07/17/96		0.5 U	1 U	6.6	3.6			25 U	25 U	25 U	25 U	25 U	25 U	25 U	110	25 U	230	100	25 U	25 U		25 U	25 U	25 U	25 U	25 U	
	10/09/96		5 U	49	130	230			10 U	10 U	10 U	10 U	10 U	10 U	10 U	73	10 U	340	98	10 U	10 U		10 U	10 U	10 U	10 U	10 U	
	01/15/97		1 U	4.6	23	2 U			2 U	2 U	2 U	2 U	2 U	2 U	2 U	32	16	150	82	2 U	2 U		2.4	2 U	2 U	2 U	2 U	
	04/17/97		1 U	2 U	7.2	2.4			2 U	2 U	2 U	2 U	2.4	2 U	2 U	31	6.8	81	110	2 U	2 U		2 U	2 U	2 U	2 U	2 U	
	07/10/97		1.2 U	2.5 U	6.5	2.5 U			2.5 U	2.5 U	2.5 U	2.5 U	3.1	2.5 U	2.5 U	30	7.4	82	150	2.5 U	2.5 U		2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	
	10/16/97		2.5 U	5 U	8.2	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U	53	24	260	110	5 U	5 U		5 U	5 U	5 U	5 U	5 U	

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-01D	10/15/90					10 U		5 U		12	20 U	20 U				40 U					44
	01/15/91							5 U		25	20 U	20 U				40 U					20 U
	04/15/91		7.1					5 U		12	20 U	20 U									
	07/15/91		7.4					5 U		10 U	20 U	20 U									
	10/15/91		7.45					5 U		10 U	20 U	20 U									
	04/15/92		7.9					5 U		10 U	20 U	20 U									
	07/15/92		7.3					5 U		10 U	20 U	20 U									
	10/15/92		7.4					5 U		10 U	20 U	20 U									
	01/15/93		7.6					5 U		10 U	20 U	20 U									
	04/19/93		7.8					5 U		10 U	20 U	21									
	07/12/93		7.6					5 U		10 U	20 U	20 U									
	10/12/93		7.6					5 U		10 U	20 U	20 U									
	01/10/94		7.4					5 U		10 U	20 U	20 U									
	04/11/94		7.4					5 U		10 U	20 U	20 U									
	07/18/94		7.4					5 U		10 U	20 U	20 U									
	10/10/94		7.4					5 U		10 U	20 U	20 U									
	01/17/95		7.3					5 U		10 U	20 U	20 U									
	04/17/95		7.4					5 U		10 U	20 U	20 U									
	07/10/95		7.4					5 U		10 U	20 U	20 U									
	10/09/95		7.5					5 U		10 U	20 U	20 U									
	01/30/96		7.4					5 U		10 U	20 U	20 U									
	04/15/96		7.6					5 U		10 U	20 U	20 U									
	07/15/96		7.4					5 U		10 U		20 U									
	10/07/96		7.4					5 U		10 U	20 U	20 U									
	01/13/97		7.4					5 U		10 U	20 U	20 U									
	04/15/97		7.5					5 U		10 U	20 U	20 U									
	07/08/97		7.6					5 U		10 U	20 U	20 U									
	10/14/97		7.4					5 U		10 U	20 U	20 U									
	01/13/98		7.4					5 U		10 U	20 U	20 U									
	04/21/98		7.6					5 U		10 U	20 U	20 U									
	07/15/98		7.5					5 U		10 U		20 U									
	10/20/98		7.2					5 U		10 U		20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-01D	01/15/99		7.2					5 U		10 U		20 U									
	04/15/99		7.4					5 U		10 U		25 U									
	07/15/99		7.6					5 U		10 U	20 U	25 U									
	10/15/99		7.2					5 U		10 U		25 U									
	01/15/00		7.3					5 U		10 U		25 U									
	04/15/00		7.5					5 U		10 U	10 U	25 U									
	10/15/00		7.5					5 U		10 U	20 U	25 U									
	04/15/01		7.3					5 U		10 U		25 U									
	07/17/01		7.3					5 U		10 U	5.5	25 U									
	10/16/01		7.4					5 U		10 U	2 U	25 U									
	01/15/02		7.5					5 U		10 U	2 U	25 U									
	04/16/02		7.5					5 U		10 U	2 U	25 U									
	07/24/02		7.5					5 U		10 U	5	25 U									
	10/22/02		7.4					5 U		10 U	1 U	25 U									
	01/08/03		7.29					5 U		1.5 J	1 U	22									
	04/23/03		7.14					5 U		5 U	1 U	10 U									
	07/30/03		7.55					5 U		24	1 U	13									
	10/21/03		7.44					5 U		5 U	1 U	21									
MW-01S	01/15/89		7.1					3 U		14 U	10 U	9 U									15
	04/15/89							10 U		100	50 U	20 U									20 U
	07/15/89		7.11					10 U		60	50 U	30									60
	10/15/89							10 U		20 U	50 U	50 U									110
	01/15/90		7.03					10 U		10 U	20 U	20 U									20
	04/15/90		6.96					5 U		20 U	20 U	20 U									20
	07/15/90		7.25					10 U		10 U	20 U	30									30
	10/15/90					10 U		5 U		10 U	20 U	23				40 U					23
	01/15/91							5 U		10 U	20 U	20 U				40 U					51
	04/15/91		7.3					5 U		10 U	20 U	20 U									
	07/15/91		7					5 U		10 U	20 U	20 U									
	10/15/91		7.01					5 U		10	20 U	20									
	04/15/92		7.3					5 U		10 U	20 U	20 U									
	07/15/92		7.1					5 U		10 U	20 U	20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-01S	10/15/92		6.9					5 U		10 U	20 U	35									
	01/15/93		7.1					5 U		10 U	20 U	20 U									
	04/19/93		7					5 U		10 U	20 U	20 U									
	07/12/93		7					5 U		10 U	20 U	20 U									
	10/12/93		6.8					5 U		10 U	20 U	20 U									
	01/10/94		6.8					5 U		10 U	20 U	20 U									
	04/11/94		6.8					5 U		10 U	20 U	20 U									
	07/18/94		7.1					5 U		10 U	20 U	20 U									
	10/10/94		6.8					5 U		10 U	20 U	20 U									
	01/16/95		6.8					5 U		10 U	20 U	20 U									
	04/17/95		7.1					5 U		10 U	20 U	20 U									
	07/10/95		7					5 U		10 U	20 U	20 U									
	10/09/95		6.7					5 U		10 U	20 U	20 U									
	01/30/96		6.8					5 U		10 U	20 U	20 U									
	04/15/96		7.1					5 U		10 U	20 U	20 U									
	07/15/96		6.8					5 U		10 U		20 U									
	10/07/96		6.7					5 U		10 U	20 U	20 U									
	01/13/97		6.8					5 U		10 U	20 U	22									
	04/15/97		6.8					5 U		10 U	20 U	20 U									
	07/08/97		6.6					5 U		10 U	20 U	20 U									
	10/14/97		6.6					5 U		10 U	20 U	23									
	01/13/98		6.7					5 U		10 U	20 U	20 U									
	04/21/98		6.8					5 U		10 U	20 U	21									
	07/14/98		6.6					5 U		10 U	20 U	20 U									
	10/19/98		6.9					5 U		10 U	20 U	20 U									
	01/15/99		6.7					5 U		10 U	10 U	20 U									
	04/15/99		6.9					5 U		10 U	25 U	25 U									
	07/15/99		7					5 U		10 U	20 U	52									
	10/15/99		6.8					5 U		10 U	10 U	25 U									
	01/15/00		7					5 U		10 U	20 U	25 U									
	04/15/00		6.9					5 U		10 U	10 U	25 U									
	10/15/00		6.9					5 U		10 U	20 U	25 U									
	04/15/01		6.6					5 U		10 U	2 U	25 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-01S	07/17/01		6.6					5 U		10 U	2 U	25 U									
	10/16/01		6.8					5 U		10 U	6.2	25 U									
	01/15/02		7.1					5 U		10 U	20 U	25 U									
	04/16/02		7.1					5 U		10 U	2 U	25 U									
	07/24/02		7					5 U		10 U	1.8	25 U									
	10/22/02		6.9					5 U		10 U	1 U	25 U									
	01/08/03		6.78					5 U		2.4 J	1 U	10 U									
	04/23/03		6.86					10 RL-3,U		10 RL-3,U	1 U	20 RL-3,U									
	07/29/03		6.76					10 RL-3,U		10 RL-3,U	1 U	30 RL-3									
	10/21/03		6.94					5 U		5 U	1 U	10 U									
MW-02	01/15/89		7.5					3 U		22	17	9 U									6 U
	04/15/89							10 U		50	50 U	20 U									20 U
	07/15/89		7.32					10 U		60	50 U	20 U									40
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.7					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.33					5 U		20 U	20 U	20 U									10
	07/15/90		7.58					10 U		10 U	20 U	30									40
	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					55
	01/15/91							5 U		10	20 U	20 U				40 U					20 U
MW-03	01/15/89		7.1					3 U		14 U	10 U	9 U									6 U
	04/15/89							10 U		70	50 U	20 U									20 U
	07/15/89		7.05					10 U		60	50 U	20 U									200
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.41					10 U		10 U	20 U	20 U									10 U
	04/15/90		6.7					5 U		20 U	20 U	20 U									10 U
	07/15/90		7.14					10 U		10 U	20 U	20 U									30
	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					20 U
	01/15/91							5 U		10 U	20 U	20 U				40 U					20 U
	04/15/91		7.3					5 U		10 U	20 U	20 U									
	07/15/91		7.6					5 U		10 U	20 U	20 U									
	10/15/91		7.19					5 U		10 U	20 U	30									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-03	04/15/92		7.8					5 U		10 U	20 U	20 U									
	07/15/92		7.2					5 U		23	20 U	130									
	10/15/92		7.2					5 U		10 U	20 U	38									
	01/15/93		7.4					5 U		10 U	20 U	96									
	04/20/93		7.2					5 U		10 U	20 U	20 U									
	07/12/93		7.4					5 U		10 U	20 U	20 U									
	10/12/93		7.2					5 U		10 U	20 U	20 U									
	01/11/94		6.6					5 U		10 U	400	20 U									
	04/12/94		7.2					5 U		10 U	20 U	20 U									
	07/18/94		7.3					5 U		10 U	20 U	20 U									
	10/11/94		7					5 U		10 U	20 U	20 U									
	01/17/95		7.1					5 U		10 U	20 U	20 U									
	04/17/95		7.2					5 U		10 U	20 U	20 U									
	07/11/95		7.3					5 U		10 U	20 U	20 U									
	10/10/95		7.2					5 U		10 U	20 U	20 U									
	01/30/96		7.4					5 U		10 U	20 U	20 U									
	04/15/96		7.3					5 U		10 U	20 U	20 U									
	07/16/96		7.4					5 U		10 U		20 U									
	10/08/96		7.2					5 U		10 U	20 U	20 U									
	01/14/97		7.2					5 U		10 U	20 U	20 U									
	04/15/97		7.2					5 U		10 U	20 U	20 U									
	07/09/97		7.2					5 U		10 U	20 U	20 U									
	10/15/97		7.2					5 U		10 U	20 U	20 U									
	01/13/98		7.2					5 U		10 U	20 U	20 U									
	04/22/98		7.5					5 U		10 U	20 U	20 U									
	07/15/98		7.3					5 U		10 U	20 U	20 U									
	10/20/98		7.1					5 U		10 U	20 U	20 U									
	01/15/99		7.2					5 U		10 U	20 U	20 U									
	04/15/99		7.2					5 U		10 U	25 U	25 U									
	07/15/99		7.3					5 U		10 U	20 U	25 U									
	10/15/99		7.1					5 U		10 U	10 U	25 U									
	01/15/00		7.2					5 U		10 U	20 U	25 U									
	04/15/00		7.2					5 U		10 U	10 U	25 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-03	10/15/00		7.3					5 U		10 U	20 U	25 U									
	04/15/01		7.1					5 U		17 U	0.69	25 U									
	07/17/01		7					5 U		10 U	2 U	25 U									
	10/17/01		7.1					5 U		10 U	2 U	25 U									
	01/16/02		7.2					5 U		10 U	2 U	25 U									
	04/16/02		7.1					5 U		10 U	2 U	25 U									
	07/24/02		7.1					5 U		10 U	1 U	25 U									
	10/22/02		7.2					5 U		10 U	1 U	25 U									
	01/08/03		6.98					5 U		5 U	1 U	10									
	04/23/03		7.08					5 U		5 U	1 U	10 U									
	07/29/03		7.09					5 U		5 U	1 U	10 U									
	10/21/03		7.3					5 U		5 U	1 U	10 U									
MW-04	01/15/89		7.1					3 U		400000	33000	9 U									7
	04/15/89							50		100000	43000	20 U									20 U
	07/15/89		6.67					80		98000	120000	60									90
	10/15/89							70		120000	110000	50 U									40
	01/15/90		6.7					120		95100	109000	20 U									10 U
	04/15/90		6.59					130		80700	81700	20 U									10 U
	07/15/90		6.68					350		101000	100000	20 U									40
	10/15/90					49		23		48400	58900	22				40 U					51
	01/15/91							260		65300	49400	20 U				40 U					98
	04/15/91		7					76		18400	23800	20 U									
	07/15/91		6.7					610		78500	39100	20 U									
	10/15/91		6.91					210		40800	42000	20 U									
	04/15/92		6.8					840		29200	32200	53									
	07/15/92		6.6					860		59700	79900	20 U									
	10/15/92		6.8					320		27100	21600	20 U									
	01/15/93		7					280		27400	16400	20 U									
	04/20/93		7.3					5 U		2400	2100	20 U									
	07/13/93		7					190		23300	18700	53									
	10/13/93		6.9					710 G		80300 G	35500	200 UG									
	10/14/93		7.1					5 U		10 U	40 UG	20 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-04	01/11/94		7.2					260		35700	20 U	20 U									
	04/13/94		6.8					310		25500	25500	20 U									
	07/19/94		6.8					200		41000	63800	40 U									
	10/11/94		6.6					430		51700	59800	20 U									
	01/18/95		6.7					120		33500	29000 a	26									
	04/18/95		7					220		9000	9600	51									
	07/12/95		6.9					260		29100	20800	20 U									
	10/10/95		6.7					380		28100	20 U	20 U									
	01/31/96		7.1					190		26900	27200	25									
	04/16/96		6.9					630		39600	24600	20 U									
	07/16/96		6.9					280		58500		20 U									
	10/09/96		6.8					460 G		74700 G	53400	40 UG									
	01/14/97		6.7					520		33900	34900	20 U									
	04/16/97		6.9					540		18800	24900	20 U									
	07/09/97		6.8					630		35400	36000	20 U									
	10/16/97		6.7					630 G		81600 G	72700	40 UG									
	01/14/98		6.9					500		42800	43600	20 U									
	04/22/98		7.3					420		14100	7800	20 U									
	07/15/98		7					320		19000	16300 U	20 U									
	10/21/98		6.8					450		36200	34100 U	25									
	01/15/99		6.7					580 U		42800 U	570 U	50 U									
	04/15/99		6.7					410 U		42800	4600	50 U									
	04/15/99	K									5700 U										
	07/15/99		6.9					420 U		49700 U	41100 U	50 U									
	10/15/99		6.5					590 U		105000	58200	75 U									
	01/15/00		6.7					320 U		60000 U	76300 U	50 U									
	04/15/00		6.9					550 U		39300 U	32900 U	50 U									
	10/15/00		7					520 U		42100 U	45600 U	50 U									
	04/15/01		6.8					380 U		16800 U	11000 U	25 U									
	07/18/01		6.9					320		12600	15000	25 U									
	07/18/01	K	6.8					310		11900	14000	25 U									
	10/18/01		6.9					440		39800	32000	50 U									
	10/18/01	K	6.8					400		28900	33000	50 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-04	01/17/02		6.7					410		24400	18000	50 U									
	01/17/02	K	6.9					350		18900	18000	25 U									
	04/18/02		6.8					440		27400	31000	50 U									
	04/18/02	K	6.8					430		26300	31000	50 U									
	07/25/02		6.7					500		32700	25100	120 U									
	07/25/02	K	6.7					490		29800	30500	120 U									
	10/23/02		6.7	20 RL-3,U	10 RL-3,U	340	8 RL-3,U	600	20 RL-3,U	29000	32600	120 U	10 RL-3,U	1.2	40 RL-3,U	20 RL-3,U	16	20 RL-3,U	10 RL-3,U	20 RL-3,U	40 RL-3,U
	10/23/02	K	6.7	20 RL-3,U	10 RL-3,U	660	8 RL-3,U	630	20 RL-3,U	30600	30300	120 U	10 RL-3,U	1.4	40 RL-3,U	20 RL-3,U	10 RL-3,U	20 RL-3,U	10 RL-3,U	20 RL-3,U	160
	12/30/02		7.39					260		9200	11000	20 RL-3,U									
	12/30/02	K	6.71					250		9400	9400	20 RL-3,U									
	04/25/03		6.92					290		16000	14000	20 RL-3,U									
	04/25/03	K	6.99					290		16000	20000	20 RL-3,U									
	07/30/03		6.88					410		30000	29000	30 RL-1,U									
	07/30/03	K	6.83					470		37000	33000	50 RL-1,U									
	10/23/03		6.85	20 RL-1,U	15	440	8 RL-1,U	240	20 RL-1,U	21000	20000	20 RL-1,U	10 RL-1,U	1.4	40 RL-1,U	20 RL-1,U	10 RL-1,U	20 RL-1,U	10 RL-1,U	20 RL-1,U	46
	10/23/03	K	6.74	20 RL-3,U	10 RL-3,U	260	8 RL-3,U	210	20 RL-3,U	18000	21000	20 RL-3,U	10 RL-3,U	0.95	40 RL-3,U	20 RL-3,U	10 RL-3,U	20 RL-3,U	23	20 RL-3,U	40 RL-3,U
MW-04A	01/15/89		7.7					3 U		14 U	10 U	9 U									8
	04/15/89							10 U		50	50 U	20 U									20 U
	07/15/89		7.44					10 U		130	50 U	20 U									80
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.41					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.38					5 U		20 U	20 U	20 U									10 U
	07/15/90		7.77					10 U		10 U	20 U	30									40
	10/15/90					33		5 U		38	20 U	20 U				40 U					700
	01/15/91							5 U		10 U	20 U	20 U				40 U					20 U
	04/15/91		7.4					5 U		10 U	20 U	20 U									
	07/15/91		7.6					5 U		10 U	20 U	20 U									
	10/15/91		7.33					5 U		10 U	20 U	20 U									
	04/15/92		7.6					5 U		10 U	20 U	20 U									
	07/15/92		7.4					30		10 U	20 U	20 U									
	10/15/92		7.7					5 U		11	20 U	31									
	01/15/93		7.6					5 U		10 U	20 U	20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-04A	04/20/93		7.4					5 U		10 U	20 U	20 U									
	07/13/93		7.5					5 U		10 U	20 U	30									
	10/13/93		7.5					5 U		10 U	20 U	20 U									
	01/11/94		7.4					5 U		120	20 U	20 U									
	04/13/94		7.5					5 U		10 U	20 U	20 U									
	07/19/94		7.5					5 U		53	20 U	23									
	10/12/94		7.3					5 U		10 U	20 U	22									
	01/18/95		7.4					5 U		10 U	20 U	20 U									
	04/18/95		7.4					5 U		10 U	20 U	20 U									
	07/12/95		7.4					5 U		10 U	20 U	20 U									
	10/10/95		7.4					5 U		10 U	20 U	20 U									
	01/31/96		7.5					5 U		21	20 U	21									
	04/16/96		7.4					5 U		27	20 U	20 U									
	07/16/96		7.6					5 U		18		20 U									
	10/09/96		7.6					5 U		24	20 U	20 U									
	01/14/97		7.5					5 U		18	20 U	20 U									
	04/16/97		7.5					5 U		16	20 U	20 U									
	07/09/97		7.6					5 U		13	20 U	20 U									
	10/16/97		7.4					5 U		15	20 U	20 U									
	01/14/98		7.7					5 U		20	20 U	20 U									
	04/22/98		7.8					5 U		18	20 U	20 U									
	07/15/98		7.5					5 U		10 U		20 U									
	10/20/98		7.6					5 U		22		20 U									
	01/15/99		7.54					5 U		12	10 U	25 U									
	04/15/99		7.54					5 U		12	10 U	25 U									
	07/15/99		7.6					5 U		10 U	20 U	25 U									
	10/15/99		7.1					5 U		10 U		25 U									
	01/15/00		7.8					5 U		15		25 U									
	04/15/00		7.6					5 U		10 U	10 U	25 U									
	10/15/00		6.8					5 U		10 U	20 U	25 U									
	04/15/01		7.3					5 U		10 U	5.6	25 U									
	07/18/01		7.2					5 U		10 U	5.5	25 U									
	10/17/01		7.5					5 U		10 U	7.7	25 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-04A	01/16/02		5.9					5 U		10 U	5.2	25 U									
	04/17/02		7.3					5 U		10 U	6.8	25 U									
	07/25/02		7.6					5 U		10 U	6.2	25 U									
	10/23/02		7.3					5 U		10 U	6.1	25 U									
	01/09/03		7.29					5 U		8.9	5.8	23									
	04/24/03		7.17					5 U		7.7	5.5	35									
	07/30/03		6.92					5 U		5 U	2.9	24									
	10/21/03		7.02					5 U		5 U	1 U	25									
MW-05	01/15/89		7.4					3 U		14 U	10 U	9 U									6 U
	04/15/89							10 U		40	50 U	20 U									20 U
	07/15/89		6.83					10 U		40	50 U	20 U									90
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.03					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.12					5 U		20 U	20 U	20 U									20
	07/15/90		7.08					10 U		10 U	20 U	20 U									20
	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					200
	01/15/91							5 U		10 U	20 U	20 U				40 U					2700
MW-06B	01/15/89		7.4					3 U		14 U	10 U	9 U									21
	04/15/89							10 U		60	50 U	20 U									20 U
	07/15/89		7.3					10 U		40	50 U	20 U									90
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.36					10 U		10 U	20 U	20 U									20
	04/15/90		7.57					10 U		20	20 U	20 U									10
	10/15/90					33		5 U		12	20 U	20 U				40 U					58
	01/15/91							5 U		10 U	20 U	20 U				40 U					24
	04/15/92		7.4					5 U		14	20 U	20 U									
	07/15/92		7.4					5 U		19	20 U	54									
	10/15/92		7.4					5 U		10 U	20 U	20 U									
	01/15/93		7.5					5 U		11	20 U	38									
	04/21/93		6.9					5 U		14	20 U	20 U									
	07/13/93		7.6					5 U		10 U	20 U	20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-06B	10/13/93		7.4					5 U		11	20 U	20 U									
	01/11/94		7.4					5 U		10 U	20 U	20 U									
	04/12/94		7.3					5 U		10 U	20 U	20 U									
	07/19/94		7.4					5 U		10 U	20 U	20 U									
	10/12/94		7.2					5 U		10 U	20 U	20 U									
	01/17/95		7.3					5 U		10 U	20 U	20 U									
	04/18/95		7.3					5 U		10 U	20 U	20 U									
	07/11/95		7.4					5 U		10 U	20 U	20 U									
	10/10/95		7.3					5 U		10 U	20 U	20 U									
	01/30/96		7.4					5 U		10 U	20 U	20 U									
	04/16/96		7.4					5 U		11	20 U	20 U									
	07/16/96		7.5					5 U		10 U		20 U									
	10/08/96		7.1					5 U		10 U	20 U	20 U									
	01/14/97		7.4					5 U		10 U	20 U	20 U									
	04/16/97		7.3					5 U		10 U	20 U	20 U									
	07/09/97		7.4					5 U		10 U	20 U	20 U									
	10/15/97		7					5 U		10 U	20 U	20 U									
	01/14/98		7.3					5 U		10 U	20 U	20 U									
	04/22/98		7.6					5 U		10 U	20 U	20 U									
	07/15/98		7.4					5 U		10 U	20 U	20 U									
	10/20/98		7.1					5 U		10 U	20 U	20 U									
	01/15/99		7.01					5 U		10 U	10 U	20 U									
	04/15/99		7.01					5 U		10 U	10 U	25 U									
	07/15/99		7.4					5 U		10 U	20 U	25 U									
	10/15/99		7.2					5 U		10 U	10 U	25 U									
	01/15/00		7.4					5 U		10 U	20 U	25 U									
	04/15/00		7.4					5 U		10 U	10 U	25 U									
	10/15/00		7.6					5 U		10 U	20 U	25 U									
	04/15/01		7.2					5 U		10 U	5.1	25 U									
	07/18/01		7.2					5 U		10 U	5.3	25 U									
	10/17/01		7.5					5 U		10 U	4.9	25 U									
	01/16/02		7.4					5 U		10 U	5.1	25 U									
	04/17/02		7.4					5 U		10 U	6.6	25 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-06B	07/25/02		7.4					5 U		10 U	3.6	25 U									
	10/23/02		7.3					5 U		10 U	1 U	25 U									
	01/09/03		7.18					5 U		9.7	6.8	10 U									
	04/24/03		7.43					5 U		7.8	7.3	10 U									
	07/30/03		7.73					5 U		5 U	4.3 O-09	10									
	10/22/03		7.63					5 U		5 U	1 U	10 U									
MW-06D	10/15/90					31		5 U		10 U	20 U	20				40 U					78
	01/15/91							5 U		10 U	20 U	20 U				40 U					22
	04/15/92		7.3					5 U		10 U	20 U	20 U									
	07/15/92		7.3					5 U		10 U	20 U	20 U									
	10/15/92		7.4					5 U		10 U	20 U	20 U									
	01/15/93		7.4					5 U		12	20 U	95									
	04/21/93		6.9					5 U		12	20 U	20 U									
	07/13/93		7.7					5 U		10 U	20 U	20 U									
	10/13/93		7.4					5 U		11	20 U	20 U									
	01/11/94		7.3					5 U		10 U	20 U	20 U									
	04/12/94		7.3					5 U		10 U	20 U	20 U									
	07/19/94		7.4					5 U		10 U	20 U	20 U									
	10/12/94		7.3					5 U		10 U	20 U	20 U									
	01/18/95		7.4					5 U		10 U	20 U	20 U									
	04/18/95		7.4					5 U		10 U	20 U	20 U									
	07/11/95		7.4					5 U		10 U	20 U	20 U									
	10/10/95		7.4					5 U		10 U	20 U	20 U									
	01/30/96		7.4					5 U		10 U	20 U	20 U									
	04/16/96		7.5					5 U		10 U	20 U	20 U									
	07/16/96		7.5					5 U		10 U		20 U									
	10/08/96		7.5					5 U		10 U	20 U	20 U									
	01/14/97		7.4					5 U		10 U	20 U	20 U									
	04/16/97		7.4					5 U		10 U	20 U	20 U									
	07/09/97		7.4					5 U		10 U	20 U	20 U									
	10/15/97		7.4					5 U		10 U	20 U	31									
	01/14/98		7.4					5 U		10 U	20 U	24									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-06D	04/22/98		7.7					5 U		10 U	20 U	20 U									
	07/15/98		7.4					5 U		10 U		20 U									
	10/20/98		7.4					5 U		10 U		20 U									
	01/15/99		7.26					5 U		10 U	10 U	25 U									
	04/15/99		7.26					5 U		10 U	10 U	25 U									
	07/15/99		7.5					5 U		10 U	20 U	25 U									
	10/15/99		7.3					5 U		10 U	10 U	25 U									
	01/15/00		7.4					5 U		10 U	20 U	25 U									
	04/15/00		7.5					5 U		10 U	10 U	25 U									
	10/15/00		7.5					5 U		10 U	20 U	25 U									
	04/15/01		7.3					5 U		10 U	2.6	25 U									
	07/18/01		7.3					5 U		10 U	2.4	25 U									
	10/17/01		7.6					5 U		10 U	2 U	25 U									
	01/16/02		7.4					5 U		10 U	2 U	25 U									
	04/17/02		7.5					5 U		10 U	2.7	25 U									
	07/25/02		7.4					5 U		10 U	1.5	25 U									
	10/23/02		7.4					5 U		10 U	2.5	43									
	01/08/03		7.41					5 U		2 J	1.8	12									
	04/24/03		7.23					5 U		5 U	2.1	10 U									
	07/30/03		7.28					5 U		5 U	2.3 O-09	14									
	10/22/03		7.84					5 U		5 U	2	14									
MW-07	01/15/89		9.1					3 U		14 U	10 U	9 U									6 U
	04/15/89							10 U		20 U	50 U	20 U									20 U
	07/15/89		7.68					10 U		30	50 U	20 U									40 U
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.69					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.91					5 U		20 U	20 U	20 U									10 U
	07/15/90		7.57					10 U		10 U	20 U	20 U									20
	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					190
	01/15/91							5 U		10 U	20 U	20 U				40 U					94
	04/15/91		7.4					5 U		10 U	20 U	20 U									
	07/15/91		7.2					5 U		10 U	20 U	20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-07	10/15/91		7.22					5 U		10 U	20 U	10									
	04/15/92		7.2					5 U		13	20 U	32									
	07/15/92		7.1					5 U		95	20 U	210									
	10/15/92		7.1					5 U		63	20 U	650									
	01/15/93		7.1					5 U		33	20 U	190									
	04/22/93		7.1					5 U		11	20 U	20 U									
	07/13/93		7.3					5 U		10 U	20 U	20 U									
	10/13/93		6.6					5 U		10 U	200 UG	20 U									
	01/11/94		6.8					5 U		10 U	20 U	20 U									
	04/12/94		6.9					5 U		10 U	20 U	20 U									
	07/19/94		6.7					5 U		10 U	20 U	23									
	10/12/94		6.7					5 U		10 U	20 U	20 U									
	01/18/95		6.5					5 U		10 U	20 U	26									
	04/18/95		7					5 U		10 U	20 U	20 U									
	07/11/95		6.7					5 U		10 U	20 U	20 U									
	10/10/95		6.6					5 U		14	20 U	79									
	01/31/96		6.6					5 U		10 U	20 U	43									
	04/16/96		6.9					5 U		10 U	20 U	20 U									
	07/16/96		6.9					5 U		10 U		20 U									
	10/08/96		6.5					5 U		10 U	20 U	36									
	01/14/97		6.6					5 U		10 U	20 U	29									
	04/16/97		6.8					5 U		10 U	20 U	20 U									
	07/09/97		6.8					5 U		10 U	20 U	20 U									
	10/15/97		6.5					5 U		10 U	20 U	25									
	01/14/98		6.7					5 U		10 U	20 U	44									
	04/22/98		7.2					5 U		10 U	20 U	20 U									
	07/15/98		6.7					5 U		10 U	20 U	20 U									
	10/20/98		6.6					5 U		10 U	20 U	42									
	01/15/99		6.81					5 U		10 U	20 U	50 U									
	04/15/99		6.81					5 U		10 U	10 U	42 U									
	07/15/99		7					10 U		20 U	20 U	68 U									
	10/15/99		6.8					5 U		10 U	10 U	71 U									
	01/15/00		7.3					5 U		10 U	20 U	25 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-07	04/15/00		7					5 U		10 U	10 U	35 U									
	10/15/00		7.6					5 U		10 U	20 U	57 U									
	04/15/01		6.7					5 U		10 U	0.98	25 U									
	07/18/01		6.6					5 U		10 U	2 U	37									
	10/18/01		6.7					10 U		20 U	2 U	73									
	01/17/02		7.2					5 U		10 U	2 U	34									
	04/18/02		7.1					5 U		10 U	2 U	57									
	07/26/02		6.9					5 U		10 U	1 U	25 U									
	10/23/02		7.5	10 U	5 U	400	4 U	5 U	10 U	10 U	1 U	25 U	5 U	0.39	20 U	10 U	8.5	10 U	5 U	10 U	140
	12/30/02		7.45					5 U		5 U	1 U	10 U									
	04/24/03		6.97					5 U		5 U	1 U	32									
	07/30/03		6.75					5 U		5 U	0.38 O-09	10 U									
	10/23/03		7.31	10 U	5 U	110	4 U	5 U	10 U	5 U	1 U	10 U	5 U	0.2 U	20 U	10 U	8.5	10 U	5 U	10 U	20 U
MW-08	01/15/89		7.4					3 U		14 U	10 U	9 U									9
	04/15/89							10 U		30	50 U	20 U									20 U
	07/15/89		7.28					10 U		60	50 U	20 U									50
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.63					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.24					5 U		20 U	20 U	20 U									20
	07/15/90		7.43					10 U		10 U	20 U	20 U									30
	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					28
	01/15/91							5 U		10 U	20 U	20 U				40 U					780
MW-09	01/15/89		7.3					3 U		330	450	9 U									8
	04/15/89							10 U		60	50 U	20 U									20 U
	07/15/89		7.18					10 U		170	50 U	20 U									80
	10/15/89							10 U		1800	2500	50 U									20 U
	01/15/90		7.41					10 U		2200	2280	20 U									20
	04/15/90		7.15					5 U		810	800	20 U									30
	07/15/90		7.32					10 U		40	30	20 U									30
	10/15/90					10 U		5 U		190	250	62				40 U					120
	01/15/91							5 U		85	124	20 U				40 U					460

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-09	04/15/91		7.3					5 U		10 U	20 U	20 U									
	07/15/91		7.2					5 U		27	20 U	20 U									
	10/15/91		7.04					5 U		70	50	20 U									
	04/15/92		7.2					5 U		10 U	20 U	20 U									
	07/15/92		7.2					5 U		10 U	20 U	20 U									
	10/15/92		6.7					5 U		10 U	20 U	20 U									
	01/15/93		7.4					5 U		57	20 U	53									
	04/20/93		7					5 U		10 U	20 U	20 U									
	07/14/93		6.6					5 U		10 U	20 U	20 U									
	10/14/93		7					5 U		10 U	20 U	20 U									
	01/12/94		6.9					5 U		10 U	20 U	20 U									
	04/13/94		6.9					5 U		10 U	20 U	20 U									
	07/20/94		6.9					5 U		10 U	20 U	20 U									
	10/13/94		6.7					5 U		10 U	20 U	20 U									
	01/16/95		6.9					5 U		10 U	20 U	20 U									
	01/18/95		6.6					5 U		10 U	20 U	20 U									
	04/19/95		6.7					5 U		10 U	20 U	20 U									
	07/13/95		6.6					5 U		10 U	20 U	20 U									
	10/11/95		6.4					5 U		10 U	20 U	20 U									
	02/01/96		6.9					5 U		10 U	20 U	20 U									
	04/17/96		6.9					5 U		10 U	20 U	20 U									
	07/17/96		7.1					5 U		10 U		20 U									
	10/09/96		6.9					5 U		10 U	20 U	20 U									
	01/15/97		6.9					5 U		10 U	20 U	20 U									
	04/17/97		7.3					5 U		10 U	20 U	20 U									
	07/10/97		6.9					5 U		10 U	20 U	20 U									
	10/16/97		6.7					5 U		48	20 U	20 U									
	01/15/98		6.9					5 U		10 U	20 U	20 U									
	04/23/98		7.3					5 U		10 U	20 U	20 U									
	07/15/98							5 U		10 U	20 U	20 U									
	10/21/98		6.4					7.5		1300	3300 U	340									
	01/15/99		6.7					5 U		2400 U	3300 U	25 U									
	04/15/99		6.7					5 U		640 U	10 U	25 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-09	07/15/99		6.6					10 U		5600 U	5800 U	50 U									
	10/15/99		6.9					5 U		4200 U	4000 U	25 U									
	01/15/00		7					5 U		13900 U	14100 U	25 U									
	04/15/00		6.8					5 U		10 U	10 U	25 U									
	10/15/00		7.3					5 U		14 U	20 U	25 U									
	04/15/01		7					5 U		11 U	4.3 U	25 U									
	07/19/01		7					5 U		85	76	25 U									
	07/19/01	K	7					5 U		82	85	25 U									
	10/18/01		6.9					5 U		1300	1100	25 U									
	10/18/01	K	6.9					5 U		1400	1100	25 U									
	01/17/02		7.1					5 U		160	280	25 U									
	01/17/02	K	7.1					5 U		150	230	25 U									
	04/18/02		7.1					5 U		160	140	25 U									
	04/18/02	K	7.1					5 U		150	140	25 U									
	07/26/02		6.7					5 U		9100	10000	25 U									
	07/26/02	K	6.7					5 U		9300	10200	25 U									
	10/24/02		6.5					5 U		4500	4300	25 U									
	10/24/02	K	6.5					5 U		4800	4400	25 U									
	01/09/03		6.63					5 U		9600	9500	10 U									
	01/09/03	K	6.65					5 U		9700	9500	10 U									
	04/25/03		7.24					5 U		270	250	10 U									
	04/25/03	K	6.83					5 U		280	260	10 U									
	07/31/03		6.69					5 U		2200	2100	10 U									
	07/31/03	K	6.66					5 U		2200	2200	10 U									
	10/22/03		7.23					10 RL-1,U		13000	13000	20 RL-1,U									
	10/22/03	K	7.26					10 RL-1,U		13000	13000	20 RL-1,U									
MW-10	01/15/89		7.6					3 U		29	10 U	9 U									6 U
	04/15/89							10 U		80	50 U	20 U									20 U
	07/15/89		7.3					10 U		110	50 U	20 U									150
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.7					10 U		10 U	20 U	20 U									20
	04/15/90		7.48					5 U		20 U	20 U	20 U									10 U

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-10	07/15/90		7.49					10 U		10 U	20 U	20 U									30
	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					80
	01/15/91							5 U		10 U	20 U	20 U				40 U					150
MW-11	01/15/89		7.6					3 U		14 U	10 U	9 U									6 U
	04/15/89							10 U		40	50 U	20 U									20 U
	07/15/89		7.43					10 U		20 U	50 U	130									50
	10/15/89							10 U		20 U	50 U	50 U									20 U
	01/15/90		7.77					10 U		10 U	20 U	20 U									10 U
	04/15/90		7.56					5 U		20 U	20 U	20 U									10 U
	07/15/90		7.62					10 U		10 U	20 U	30									40
	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					170
	01/15/91							5 U		10 U	20 U	20 U				40 U					69
	04/15/91		7.6					5 U		10 U	20 U	20 U									
	07/15/91		7.4					5 U		10 U	20 U	20 U									
	10/15/91		7.45					5 U		10 U	20 U	20 U									
	04/15/92		7.5					5 U		10 U	20 U	20 U									
	07/15/92		7.2					5 U		16	20 U	87									
	10/15/92		7.3					5 U		11	20 U	20 U									
	01/15/93		7.5					5 U		13	20 U	88									
	04/19/93		7.3					5 U		10 U	20 U	20 U									
	07/12/93		7.2					5 U		10 U	20 U	20 U									
	10/13/93		7.2					5 U		10 U	20 U	20 U									
	01/10/94		7.2					5 U		10 U	20 U	20 U									
	04/12/94		7.4					5 U		10 U	20 U	20 U									
	07/18/94		7.3					5 U		10 U	20 U	20 U									
	10/11/94		7.1					5 U		11	20 U	20 U									
	01/17/95		6.7					5 U		10 U	20 U	20 U									
	04/17/95		7.2					5 U		10 U	20 U	20 U									
	07/11/95		7.1					5 U		10 U	20 U	20 U									
	10/09/95		7.2					5 U		10 U	20 U	20 U									
	01/30/96		6.7					5 U		10 U	20 U	20 U									
	04/16/96		7					5 U		10 U	20 U	23									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-11	07/15/96		7.1					5 U		10 U		20 U									
	10/08/96		7.1					5 U		10 U	20 U	20 U									
	01/14/97		6.8					5 U		10 U	20 U	29									
	04/16/97		6.9					5 U		10 U	20 U	20 U									
	07/09/97		7.2					5 U		10 U	20 U	150									
	10/15/97		6.7					5 U		10 U	20 U	100									
	01/14/98		7.1					5 U		10 U	20 U	20 U									
	04/22/98		7.2					5 U		10 U	20 U	77									
	07/15/98		7.2					5 U		10 U	20 U	20 U									
	10/20/98		6.9					5 U		10 U	20 U	41									
	01/15/99		6.83					5 U		10 U	10 U	20 U									
	04/15/99		6.83					5 U		10 U	10 U	25 U									
	07/15/99		6.9					5 U		10 U	20 U	25 U									
	10/15/99		7					5 U		20 U	57 U	25 U									
	01/15/00		6.9					5 U		10 U	20 U	25 U									
	04/15/00		7					5 U		10 U	10 U	25 U									
	10/15/00		6.8					5 U		10 U	20 U	25 U									
	04/15/01		6.6					5 U		10 U	2 U	25 U									
	07/17/01		6.8					5 U		10 U	2 U	25 U									
	10/18/01		6.7					5 U		10 U	2 U	25 U									
	01/17/02		7.1					5 U		10 U	2 U	25 U									
	04/18/02		6.8					5 U		10 U	2 U	25 U									
	07/26/02		6.7					5 U		10 U	1 U	25 U									
	10/24/02		7.1	10 U	5 U	320	4 U	5 U	10 U	10 U	1 U	25 U	5 U	0.2 U	20 U	10 U	7.8	10 U	5 U	10 U	160
	12/30/02		7.03					5 U		5 U	1 U	10 U									
	04/25/03		7.29					5 U		5 U	1 U	10 U									
	07/31/03		6.73					5 U		5 U	1.2	10 U									
	10/23/03		7.23	10 U	5 U	220	4 U	5 U	10 U	5 U	1 U	10 U	5 U	0.2 U	20 U	10 U	5 U	10 U	5 U	10 U	130
MW-12	10/15/90					71		5 U		10 U	20 U	20 U				40 U					20 U
	01/15/91							5 U		10 U	20 U	20 U				40 U					20 U
MW-13D	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					91

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-13D	01/15/91							5 U		10 U	20 U	20 U				40 U					610
MW-13S	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					40
	01/15/91							5 U		14	20 U	20 U				40 U					20 U
	07/14/93		8.8					5 U		10 U	20 U	20 U									
MW-14D	10/15/90					10 U		5 U		10 U	20 U	20 U				40 U					56
	01/15/91							5 U		10 U	20 U	20 U				40 U					22
MW-14S	10/15/90					10 U		18		2200	3200	5300				820					1400
	01/15/91							7		940	400	1000				260					380
	04/15/91		7.2					5 U		410	390	150									
	07/15/91		7.3					5 U		310	20 U	110									
	10/15/91		7.4					5 U		230	130	50									
	04/15/92		7.3					5 U		160	130	41									
	07/15/92		7.4					5 U		330	99	560									
	10/15/92		7.4					5 U		540	160	720									
	01/15/93		7.5					5 U		240	56	330									
	04/22/93		7.3					5 U		14	20 U	26									
	07/13/93		7.6					5 U		20	20 U	23									
	10/14/93		7.5					5 U		10 U	20 U	21									
	01/12/94		7.2					5 U		15	20 U	22									
	04/13/94		7.3					5 U		22	20 U	20 U									
	07/20/94		7.4					5 U		16	20 U	20 U									
	10/11/94		7.3					5 U		64	35	20 U									
	02/08/95		7.3					5 U		16	20 U	20 U									
	04/18/95		7.4					5 U		10 U	20 U	20 U									
	07/12/95		7.3					5.5		10 U	20 U	20 U									
	10/11/95		7.3					5 U		46	22	20 U									
	02/01/96		7.3					5 U		34	20 U	24									
	04/17/96		7.4					5 U		28	21	20 U									
	07/17/96		7.3					5 U		69		20 U									
	10/08/96		7.1					5 U		82	52	20 U									
	01/15/97		7.2					5 U		31	24	20 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-14S	04/16/97		7.3					5.3		32	20 U	20 U									
	07/10/97		7.3					5 U		16	20 U	20 U									
	10/16/97		7.4					5 U		130	100	20 U									
	01/15/98		7.3					5 U		18	20 U	20 U									
	04/23/98		7.7					5 U		18	20 U	23									
	07/15/98							5 U		10 U	20 U	20 U									
	10/21/98		7.3					5 U		44	32 U	27									
	01/15/99		7.11					5 U		10 U	10 U	20 U									
	04/15/99		7.11					5 U		10 U	10 U	25 U									
	07/15/99		7.4					5 U		38 U	20 U	37 U									
	10/15/99		6.8					6 U		150 U	35 U	44 U									
	01/15/00		7.2					9.4		260 U	110 U	31 U									
	04/15/00		7.5					5 U		10 U	10 U	25 U									
	10/15/00		7.4					5 U		90 U	39 U	87 U									
	04/15/01		7.1					5 U		43 U	57 U	30 U									
	07/19/01		7.1					5 U		25	4.6	25 U									
	10/17/01		7.2					5 U		140	2 U	42									
	01/16/02		7.4					5 U		10 U	2 U	25 U									
	04/17/02		7.2					5 U		43	35	29									
	07/25/02		7.3					5 U		65	17	31									
	10/23/02		7	10 U	11	420	4 U	7.4	10 U	420	420	40	5 U	0.2 U	20 U	10 U	5 U	10 U	7.4	10 U	130
	12/30/02		7.09					5 U		14	4.2	42									
	04/24/03		7.24					5 U		20	1 U	29									
	07/30/03		6.86					6.6		150	120	52									
	10/23/03		6.71	10 U	5 U	300	4 U	5 U	10 U	330	990	30	5 U	0.2 U	20 U	16	5 U	10 U	5 U	10 U	98
MW-15D	10/15/90					36		5 U		10 U	20 U	20 U				40 U					41
	01/15/91							5 U		10 U	20 U	20 U				40 U					1800
	04/15/91		7.3					5 U		10 U	20 U	20 U									
	07/15/91		7.4					5 U		10 U	20 U	20 U									
	10/15/91		7.45					5 U		10	20 U	20 U									
	04/15/92		7.6					5 U		10 U	20 U	20 U									
	07/15/92		7.5					5 U		10 U	20 U	20 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-15D	10/15/92		7.4					5 U		10 U	20 U	20 U									
	01/15/93		7.6					5 U		10 U	20 U	20 U									
	04/21/93		7					5.8		10 U	20 U	20 U									
	07/14/93		7.8					5 U		10 U	20 U	25									
	10/14/93		7.5					5 U		10 U	20 U	20 U									
	01/12/94		7.4					5 U		10 U	20 U	20 U									
	04/13/94		7.5					5 U		10 U	20 U	20 U									
	07/20/94		7.5					5 U		10 U	20 U	20 U									
	10/12/94		7.5					5 U		10 U	20 U	20 U									
	01/18/95		7.5					5 U		18	20 U	20 U									
	04/19/95		7.5					5 U		10 U	20 U	20 U									
	07/12/95		7.4					5 U		10 U	20 U	20 U									
	10/11/95		7.6					5 U		10 U	20 U	20 U									
	02/01/96		7.6					5 U		10 U	20 U	20 U									
	04/17/96		7.5					5 U		12	20 U	20 U									
	07/17/96		7.6					5 U		10 U		20 U									
	10/09/96		7.6					5 U		10 U	20 U	20 U									
	01/15/97		7.4					5 U		10 U	20 U	20 U									
	04/17/97		7.6					5 U		10 U	20 U	20 U									
	07/10/97		7.6					5 U		10 U	20 U	20 U									
	10/16/97		7.9					5 U		10 U	20 U	20 U									
	01/15/98		7.6					5 U		10 U	20 U	20 U									
	04/23/98		7.9					5 U		10 U	20 U	20 U									
	10/21/98		7.7					5 U		10 U		20 U									
	01/15/99		7.34					5 U		35 U	10 U	25 U									
	04/15/99		7.34					5 U		35 U	10 U	25 U									
	07/15/99		7.5					5 U		10 U	20 U	25 U									
	10/15/99		7.4					5 U		10 U	10 U	25 U									
	01/15/00		8.4					5 U		10 U	20 U	25 U									
	04/15/00		7.5					5 U		13 U	16 U	25 U									
	10/15/00		7.8					5 U		10 U	20 U	25 U									
	04/15/01		7.5					5 U		25 U	14 U	25 U									
	07/19/01		7.3					5 U		13	8.1	25 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-15D	10/17/01		7.6					5 U		10 U	2 U	25 U									
	01/16/02		7.6					5 U		10 U	8.1	25 U									
	04/17/02		7.5					5 U		10 U	2 U	25 U									
	07/25/02		7.6					5 U		10 U	4.7	25 U									
	10/22/02		7.5					5 U		10 U	1.6	25 U									
	01/08/03		7.52					5 U		3.1 J	1 U	17									
	04/23/03		7.48					5 U		5 U	1 U	10 U									
	07/30/03		7.26					5 U		5 U	0.3 O-09,U	10 U									
	10/21/03		7.72					5 U		5 U	1 U	10 U									
MW-15S	10/15/90					62		5 U		10 U	20 U	20 U				40 U					49
	01/15/91							5 U		10 U	20 U	20 U				40 U					46
	04/15/91		7.1					11		10 U	20 U	20 U									
	07/15/91		7.1					14		10 U	20 U	20 U									
	10/15/91		7.12					20		10	20 U	60									
	04/15/92		7.5					5 U		10 U	20 U	20 U									
	07/15/92		7.2					9.3		39	20 U	270									
	10/15/92		7.2					7.3		10 U	20 U	47									
	01/15/93		7.4					8.5		14	20 U	100									
	04/21/93		6.8					5 U		13	20 U	20 U									
	07/14/93		7.4					5 U		10 U	20 U	20 U									
	10/14/93		7.3					5 U		10 U	40 UG	20 U									
	01/12/94		7.2					5 U		10 U	20 U	20 U									
	04/13/94		7.4					5 U		10 U	20 U	20 U									
	07/20/94		7.4					5 U		10 U	20 U	20 U									
	10/11/94		7.2					5 U		10 U	20 U	20 U									
	01/18/95		7.3					5 U		44	48	20 U									
	04/19/95		7.4					5 U		10 U	20 U	20 U									
	07/12/95		7.4					5 U		10 U	20 U	20 U									
	10/11/95		7.6					5 U		10 U	20 U	20 U									
	02/01/96		7.4					5 U		12	20 U	20 U									
	04/17/96		7.5					5 U		15	20 U	20 U									
	07/17/96		7.6					5 U		14		20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-15S	10/08/96		7.4					5 U		10 U	20 U	20 U									
	01/15/97		7.4					5 U		10 U	20 U	20 U									
	04/17/97		7.6					5 U		10 U	20 U	20 U									
	07/10/97		7.5					5 U		10 U	20 U	20 U									
	10/16/97		7.7					5 U		10 U	20 U	20 U									
	01/15/98		7.4					5 U		21	20 U	20 U									
	04/23/98		7.7					5 U		10 U	20 U	20 U									
	07/15/98							5 U		14 U	20 U	20 U									
	10/21/98		7.6					5 U		17	20 U	20 U									
	01/15/99		7.2					5 U		13 U	10 U	25 U									
	04/15/99		7.2					5 U		13 U	10 U	25 U									
	07/15/99		7.6					5 U		10 U	20 U	25 U									
	10/15/99		7.2					5 U		15 U	14 U	25 U									
	01/15/00		7.3					12 U		10 U	20 U	25 U									
	04/15/00		7.2					5 U		10 U	10 U	25 U									
	10/15/00		7.7					5 U		10 U	20 U	25 U									
	04/15/01		7.4					5 U		10 U	5.3 U	25 U									
	07/19/01		7.2					5 U		10 U	7.4	25 U									
	10/17/01		7.5					5 U		10 U	8.8	25 U									
	01/16/02		7.5					5 U		11	9.1	25 U									
	04/17/02		7.4					5 U		10 U	10	25 U									
	07/24/02		7.4					5 U		10 U	6	25 U									
	10/23/02		7.4					5 U		10 U	3.5	25 U									
	01/08/03		7.22					5.3		4.2 J	4.2	10 U									
	04/24/03		7.19					5 U		6.4	5.9	10 U									
	07/30/03		7.02					5 U		5 U	2.2 O-09	10 U									
	10/22/03		7.7					5.7		5 U	1 U	10 U									
MW-16	04/15/92		7.2					5 U		10 U	20 U	20 U									20 U
	07/15/92		7.3					5 U		27	20 U	350									
	10/15/92		7.1					5 U		11	20 U	150									
	01/15/93		7.2					5 U		10 U	20 U	440									
	04/22/93		6.8					5 U		10 U	20 U	20 U									

Table B-2
Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-16	07/14/93		7.1					5.4		10 U	20 U	20 U									
	10/14/93		7.1					5 U		10 U	40 UG	20 U									
	01/12/94		6.8					5 U		10 U	20 U	20 U									
	04/13/94		6.9					5 U		10 U	20 U	20 U									
	07/20/94		6.8					5 U		10 U	20 U	20 U									
	10/13/94		6.8					5 U		10 U	20 U	20 U									
	01/16/95		6.9					5 U		10 U	20 U	20 U									
	04/19/95		6.9					5 U		10 U	20 U	20 U									
	07/13/95		7					5 U		10 U	20 U	20 U									
	10/11/95		6.8					5 U		10 U	20 U	20 U									
	02/01/96		7					5 U		10 U	20 U	20 U									
	04/17/96		7.1					5 U		10 U	20 U	20 U									
	07/17/96		7.1					5 U		10 U		20 U									
	10/09/96		7					5 U		10 U	20 U	20 U									
	01/15/97		7					5 U		10 U	20 U	20 U									
	04/17/97		7.3					5 U		10 U	20 U	20 U									
	07/10/97		7.3					5 U		10 U	20 U	20 U									
	10/16/97		7.2					5 U		10 U	20 U	20 U									
	01/15/98		7					5 U		10 U	20 U	20 U									
	04/23/98		7.4					5 U		10 U	20 U	23									
	07/15/98							5 U		10 U	20 U	31 U									
	10/21/98		7.1					5 U		10 U	20 U	20 U									
	01/15/99		6.9					5 U		10 U	10 U	20 U									
	04/15/99		6.9					5 U		10 U	10 U	25 U									
	07/15/99		7					5 U		10 U	20 U	25 U									
	10/15/99		6.7					5 U		10 U	10 U	25 U									
	01/15/00		7.2					5 U		10 U	20 U	25 U									
	04/15/00		7					5 U		10 U	10 U	25 U									
	10/15/00		7.3					5 U		10 U	20 U	300 U									
	04/15/01		7.1					5 U		10 U	0.33	25 U									
	07/19/01		7					5 U		10 U	3.1	25 U									
	10/18/01		7					5 U		10 U	2 U	25 U									
	01/17/02		7.2					5 U		110	96	25 U									

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Phibro-Tech, Inc.
Historical Groundwater Analytical Results
Metals and pH Analytical Summary

Well Number	Sample Date	Sample Type	pH	Antimony	Arsenic	Barium	Beryllium	Cadmium	Cobalt	Chromium	Cr+6	Copper	Lead	Mercury	Molyb-denum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
MW-16	04/18/02		7.1					5 U		12	2 U	25 U									
	07/26/02		7					5 U		10 U	1 U	25 U									
	10/24/02		6.9					5 U		10 U	5.1	25 U									
	01/09/03		6.84					5 U		5.7	4.3	10									
	04/24/03		7.12					5 U		5.1	4.1	10 U									
	07/31/03		6.82					5 U		5 U	4	10 U									
	10/22/03		7.34					5 U		5 U	1 U	10 U									

Notes:

All concentrations are reported in micrograms per liter (ug/l)
U = Not detected at a concentration greater than the reporting limit shown.
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.
M-HA = Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information
O-09 = This sample was received with the EPA recommended holding expired.
RL-1 = Reporting limit elevated due to matrix interference.
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

Appendix C
Del Mar Analytical Laboratory Reports

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LABORATORY REPORT

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

Project: PhibroTech

Sampled: 10/21/03
Received: 10/21/03
Issued: 10/30/03

NELAP #01108CA CA ELAP #1197

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. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice 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
IMJ1119-01	PTI-MW01D-059	Water
IMJ1119-02	PTI-MW01S-059	Water
IMJ1119-03	PTI-TB01-059	Water
IMJ1119-04	PTI-MW03-059	Water
IMJ1119-05	PTI-MW15D-059	Water
IMJ1119-06	PTI-EB01-059	Water

el Mar Analytical, Irvine
atty Mata
Project Manager

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

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-01 (PTI-MW01D-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J25013	0.50	**1.2**	1	10/25/2003	10/25/2003	
Bromobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromodichloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromoform	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
n-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
sec-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
tert-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Carbon tetrachloride	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Chlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroform	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
4-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,4-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dichlorodifluoromethane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichloroethane	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
1,1-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloropropene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Ethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Hexachlorobutadiene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Isopropylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
p-Isopropyltoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Methylene chloride	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	

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Patty Mata
Project Manager

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Camp, Dresser & McKee
8581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-01 (PTI-MW01D-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
n-Propylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Styrene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Tetrachloroethene	EPA 8260B	3J25013	1.0	**1.4**	1	10/25/2003	10/25/2003	
Toluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,1-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,2-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Trichloroethene	EPA 8260B	3J25013	1.0	**2.4**	1	10/25/2003	10/25/2003	
Trichlorofluoromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,3-Trichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Vinyl chloride	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
o-Xylene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
m,p-Xylenes	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Surrogate: Dibromofluoromethane (80-120%)				*98 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				

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

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-02 (PTI-MW01S-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Bromobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromodichloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromoform	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
n-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
sec-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
tert-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Carbon tetrachloride	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Chlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroform	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
4-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,4-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dichlorodifluoromethane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichloroethane	EPA 8260B	3J25013	0.50	**1.1**	1	10/25/2003	10/25/2003	
1,1-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	**2.6**	1	10/25/2003	10/25/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloropropene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Ethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Hexachlorobutadiene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Isopropylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
p-Isopropyltoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Methylene chloride	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	

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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: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-02 (PTI-MW01S-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
n-Propylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Styrene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Tetrachloroethene	EPA 8260B	3J25013	1.0	**1.5**	1	10/25/2003	10/25/2003	
Toluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,1-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,2-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Trichloroethene	EPA 8260B	3J25013	1.0	**12**	1	10/25/2003	10/25/2003	
Trichlorofluoromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,3-Trichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Vinyl chloride	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
o-Xylene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
m,p-Xylenes	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				

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

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-03 (PTI-TB01-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Bromobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromodichloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromoform	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
n-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
sec-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
tert-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Carbon tetrachloride	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Chlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroform	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
4-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,4-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dichlorodifluoromethane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichloroethane	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
1,1-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloropropene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Ethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Hexachlorobutadiene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Isopropylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
p-Isopropyltoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Methylene chloride	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	

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

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-03 (PTI-TB01-059 - Water) - cont.								
Reporting Units: ug/l								
aphthalene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Propylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Styrene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Tetrachloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Toluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,3-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,1-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
richloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Trichlorofluoromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,3-Trichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,4-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Vinyl chloride	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Xylene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
p-Xylenes	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
rrogate: Toluene-d8 (80-120%)				*100 %*				
rrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-04 (PTI-MW03-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J25013	0.50	**2.5**	1	10/25/2003	10/25/2003	
Bromobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromodichloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromoform	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
n-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
sec-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
tert-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Carbon tetrachloride	EPA 8260B	3J25013	0.50	**17**	1	10/25/2003	10/25/2003	
Chlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroform	EPA 8260B	3J25013	1.0	**18**	1	10/25/2003	10/25/2003	
Chloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
4-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,4-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dichlorodifluoromethane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloroethane	EPA 8260B	3J25013	1.0	**19**	1	10/25/2003	10/25/2003	
1,2-Dichloroethane	EPA 8260B	3J25013	0.50	**9.0**	1	10/25/2003	10/25/2003	
1,1-Dichloroethene	EPA 8260B	3J25013	1.0	**18**	1	10/25/2003	10/25/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	**12**	1	10/25/2003	10/25/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloropropene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Hexachlorobutadiene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Isopropylbenzene	EPA 8260B	3J25013	1.0	**11**	1	10/25/2003	10/25/2003	
p-Isopropyltoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Methylene chloride	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
Naphthalene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	

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Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1119-04 (PTI-MW03-059 - Water) - cont.								
Reporting Units: ug/l								
Propylbenzene	EPA 8260B	3J25013	1.0	**2.4**	1	10/25/2003	10/25/2003	
yrene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
trachloroethene	EPA 8260B	3J25013	1.0	**4.0**	1	10/25/2003	10/25/2003	
oluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,4-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
,1-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,2-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
ichloroethene	EPA 8260B	3J25013	1.0	**110**	1	10/25/2003	10/25/2003	M-HA
ichlorofluoromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,3-Trichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,4-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
3,5-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Vinyl chloride	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
o-Xylene	EPA 8260B	3J25013	1.0	**29**	1	10/25/2003	10/25/2003	
p-Xylenes	EPA 8260B	3J25013	1.0	**180**	1	10/25/2003	10/25/2003	M2
rrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
rrogate: 4-Bromofluorobenzene (80-120%)				*103 %*				
mple ID: IMJ1119-04RE1 (PTI-MW03-059 - Water)								
Reporting Units: ug/l								
hylbenzene	EPA 8260B	3J26017	10	**1600**	10	10/26/2003	10/26/2003	
rrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				

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Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-05 (PTI-MW15D-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J27015	0.50	**1.9**	1	10/27/2003	10/28/2003	
Bromobenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Bromochloromethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Bromodichloromethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Bromoform	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Bromomethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
n-Butylbenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
sec-Butylbenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
tert-Butylbenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Carbon tetrachloride	EPA 8260B	3J27015	0.50	ND	1	10/27/2003	10/28/2003	
Chlorobenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Chloroethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Chloroform	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Chloromethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
2-Chlorotoluene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
4-Chlorotoluene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Dibromochloromethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J27015	5.0	ND	1	10/27/2003	10/28/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Dibromomethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,2-Dichlorobenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,3-Dichlorobenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,4-Dichlorobenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Dichlorodifluoromethane	EPA 8260B	3J27015	5.0	ND	1	10/27/2003	10/28/2003	
1,1-Dichloroethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,2-Dichloroethane	EPA 8260B	3J27015	0.50	**0.60**	1	10/27/2003	10/28/2003	
1,1-Dichloroethene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,2-Dichloropropane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,3-Dichloropropane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
2,2-Dichloropropane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,1-Dichloropropene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J27015	0.50	ND	1	10/27/2003	10/28/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J27015	0.50	ND	1	10/27/2003	10/28/2003	
Ethylbenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Hexachlorobutadiene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Isopropylbenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
p-Isopropyltoluene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Methylene chloride	EPA 8260B	3J27015	5.0	ND	1	10/27/2003	10/28/2003	

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

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-05 (PTI-MW15D-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
n-Propylbenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Styrene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Tetrachloroethene	EPA 8260B	3J27015	1.0	**2.3**	1	10/27/2003	10/28/2003	
Toluene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,1,1-Trichloroethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,1,2-Trichloroethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Trichloroethene	EPA 8260B	3J27015	1.0	**5.3**	1	10/27/2003	10/28/2003	
Trichlorofluoromethane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,2,3-Trichloropropane	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Vinyl chloride	EPA 8260B	3J27015	0.50	ND	1	10/27/2003	10/28/2003	
o-Xylene	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
m,p-Xylenes	EPA 8260B	3J27015	1.0	ND	1	10/27/2003	10/28/2003	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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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
Sample ID: IMJ1119-06 (PTI-EB01-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Bromobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromodichloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromoform	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Bromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
n-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
sec-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
tert-Butylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Carbon tetrachloride	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Chlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloroform	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Chloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
4-Chlorotoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromochloromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dibromomethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,4-Dichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Dichlorodifluoromethane	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichloroethane	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
1,1-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
2,2-Dichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1-Dichloropropene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
Ethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Hexachlorobutadiene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Isopropylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
p-Isopropyltoluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Methylene chloride	EPA 8260B	3J25013	5.0	ND	1	10/25/2003	10/25/2003	

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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-06 (PTI-EB01-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
n-Propylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Styrene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Tetrachloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Toluene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,1-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,1,2-Trichloroethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Trichloroethene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Trichlorofluoromethane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,3-Trichloropropane	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Vinyl chloride	EPA 8260B	3J25013	0.50	ND	1	10/25/2003	10/25/2003	
o-Xylene	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
m,p-Xylenes	EPA 8260B	3J25013	1.0	ND	1	10/25/2003	10/25/2003	
Surrogate: Dibromofluoromethane (80-120%)				*101 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*98 %*				

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Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-01 (PTI-MW01D-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Chromium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J22074	0.010	**0.021**	1	10/22/2003	10/23/2003	
Sample ID: IMJ1119-02 (PTI-MW01S-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Chromium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J22074	0.010	ND	1	10/22/2003	10/23/2003	
Sample ID: IMJ1119-04 (PTI-MW03-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Chromium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J22074	0.010	ND	1	10/22/2003	10/23/2003	
Sample ID: IMJ1119-05 (PTI-MW15D-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Chromium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J22074	0.010	ND	1	10/22/2003	10/23/2003	
Sample ID: IMJ1119-06 (PTI-EB01-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Chromium	EPA 6010B-Diss	3J22074	0.0050	ND	1	10/22/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J22074	0.010	ND	1	10/22/2003	10/23/2003	

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1119-01 (PTI-MW01D-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J21084	0.0010	ND	1	10/21/2003	10/21/2003	
Sample ID: IMJ1119-01 (PTI-MW01D-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J21070	NA	**7.44**	1	10/21/2003	10/21/2003	
Sample ID: IMJ1119-02 (PTI-MW01S-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J21084	0.0010	ND	1	10/21/2003	10/21/2003	
Sample ID: IMJ1119-02 (PTI-MW01S-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J21070	NA	**6.94**	1	10/21/2003	10/21/2003	
Sample ID: IMJ1119-04 (PTI-MW03-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J21084	0.0010	ND	1	10/21/2003	10/21/2003	
Sample ID: IMJ1119-04 (PTI-MW03-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J21070	NA	**7.30**	1	10/21/2003	10/21/2003	
Sample ID: IMJ1119-05 (PTI-MW15D-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J21084	0.0010	ND	1	10/21/2003	10/21/2003	
Sample ID: IMJ1119-05 (PTI-MW15D-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J21070	NA	**7.72**	1	10/21/2003	10/21/2003	
Sample ID: IMJ1119-06 (PTI-EB01-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J21084	0.0010	ND	1	10/21/2003	10/21/2003	
Sample ID: IMJ1119-06 (PTI-EB01-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J21070	NA	**6.73**	1	10/21/2003	10/21/2003	

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Received: 10/21/03

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PTI-MW01D-059 (IMJ1119-01) - Water					
EPA 150.1	1	10/21/2003 11:05	10/21/2003 17:10	10/21/2003 19:00	10/21/2003 20:00
EPA 7199	1	10/21/2003 11:05	10/21/2003 17:10	10/21/2003 18:20	10/21/2003 19:41
Sample ID: PTI-MW01S-059 (IMJ1119-02) - Water					
EPA 150.1	1	10/21/2003 12:20	10/21/2003 17:10	10/21/2003 19:00	10/21/2003 20:00
EPA 7199	1	10/21/2003 12:20	10/21/2003 17:10	10/21/2003 18:20	10/21/2003 19:50
Sample ID: PTI-MW03-059 (IMJ1119-04) - Water					
EPA 150.1	1	10/21/2003 14:15	10/21/2003 17:10	10/21/2003 19:00	10/21/2003 20:00
EPA 7199	1	10/21/2003 14:15	10/21/2003 17:10	10/21/2003 18:20	10/21/2003 20:00
Sample ID: PTI-MW15D-059 (IMJ1119-05) - Water					
EPA 150.1	1	10/21/2003 15:45	10/21/2003 17:10	10/21/2003 19:00	10/21/2003 20:00
EPA 7199	1	10/21/2003 15:45	10/21/2003 17:10	10/21/2003 18:20	10/21/2003 20:10
Sample ID: PTI-EB01-059 (IMJ1119-06) - Water					
EPA 150.1	1	10/21/2003 14:25	10/21/2003 17:10	10/21/2003 19:00	10/21/2003 20:00
EPA 7199	1	10/21/2003 14:25	10/21/2003 17:10	10/21/2003 18:20	10/21/2003 18:55

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Received: 10/21/03

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: 3J25013 Extracted: 10/25/03										
Blank Analyzed: 10/25/03 (3J25013-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							
t-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							

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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: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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: 3J25013 Extracted: 10/25/03										
Blank Analyzed: 10/25/03 (3J25013-BLK1)										
Ethylbenzene	ND	1.0	ug/l							
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	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			

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

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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: 3J25013 Extracted: 10/25/03										
LCS Analyzed: 10/25/03 (3J25013-BS1)										
Benzene	26.5	0.50	ug/l	25.0		106	70-120			
Bromobenzene	24.3	1.0	ug/l	25.0		97	80-120			
Bromochloromethane	28.9	1.0	ug/l	25.0		116	65-135			
Bromodichloromethane	27.3	1.0	ug/l	25.0		109	70-140			
Bromoform	25.8	1.0	ug/l	25.0		103	50-135			
Bromomethane	27.9	1.0	ug/l	25.0		112	60-140			
n-Butylbenzene	25.1	1.0	ug/l	25.0		100	75-130			
sec-Butylbenzene	25.0	1.0	ug/l	25.0		100	75-125			
t-Butylbenzene	24.8	1.0	ug/l	25.0		99	75-125			
Carbon tetrachloride	28.4	0.50	ug/l	25.0		114	70-140			
Chlorobenzene	25.6	1.0	ug/l	25.0		102	80-125			
Chloroethane	29.4	1.0	ug/l	25.0		118	60-145			
Chloroform	28.2	1.0	ug/l	25.0		113	70-130			
Chloromethane	27.7	1.0	ug/l	25.0		111	40-145			
2-Chlorotoluene	24.7	1.0	ug/l	25.0		99	75-125			
4-Chlorotoluene	25.3	1.0	ug/l	25.0		101	75-125			
Dibromochloromethane	26.2	1.0	ug/l	25.0		105	65-145			
1,2-Dibromo-3-chloropropane	22.4	5.0	ug/l	25.0		90	50-130			
1,2-Dibromoethane (EDB)	25.9	1.0	ug/l	25.0		104	70-125			
Dibromomethane	26.4	1.0	ug/l	25.0		106	70-130			
1,2-Dichlorobenzene	23.6	1.0	ug/l	25.0		94	75-120			
1,3-Dichlorobenzene	23.9	1.0	ug/l	25.0		96	75-120			
1,4-Dichlorobenzene	24.0	1.0	ug/l	25.0		96	80-120			
Dichlorodifluoromethane	27.2	5.0	ug/l	25.0		109	10-160			
1,1-Dichloroethane	29.0	1.0	ug/l	25.0		116	70-135			
1,2-Dichloroethane	27.6	0.50	ug/l	25.0		110	60-150			
1,1-Dichloroethene	29.9	1.0	ug/l	25.0		120	75-140			
cis-1,2-Dichloroethene	28.8	1.0	ug/l	25.0		115	65-125			
trans-1,2-Dichloroethene	29.4	1.0	ug/l	25.0		118	65-130			
2,2-Dichloropropane	28.0	1.0	ug/l	25.0		112	65-120			
1,3-Dichloropropane	25.6	1.0	ug/l	25.0		102	70-130			
2,2-Dichloropropane	33.0	1.0	ug/l	25.0		132	70-150			
1,1-Dichloropropene	28.3	1.0	ug/l	25.0		113	75-130			
cis-1,3-Dichloropropene	28.6	0.50	ug/l	25.0		114	70-130			
trans-1,3-Dichloropropene	28.6	0.50	ug/l	25.0		114	75-135			

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Camp, Dresser & McKee
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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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: 3J25013 Extracted: 10/25/03										
LCS Analyzed: 10/25/03 (3J25013-BS1)										
Ethylbenzene	26.9	1.0	ug/l	25.0		108	80-120			*M3*
Hexachlorobutadiene	23.1	1.0	ug/l	25.0		92	65-140			
Isopropylbenzene	26.2	1.0	ug/l	25.0		105	70-125			
p-Isopropyltoluene	24.3	1.0	ug/l	25.0		97	75-125			
Methylene chloride	26.8	5.0	ug/l	25.0		107	60-135			
Naphthalene	23.5	1.0	ug/l	25.0		94	50-145			
n-Propylbenzene	26.3	1.0	ug/l	25.0		105	75-130			
Styrene	28.5	1.0	ug/l	25.0		114	80-135			
1,1,1,2-Tetrachloroethane	26.5	1.0	ug/l	25.0		106	70-145			
1,1,2,2-Tetrachloroethane	25.7	1.0	ug/l	25.0		103	60-135			
Tetrachloroethene	25.9	1.0	ug/l	25.0		104	75-125			
Toluene	27.5	1.0	ug/l	25.0		110	70-120			
1,2,3-Trichlorobenzene	23.9	1.0	ug/l	25.0		96	65-135			
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-140			
1,1,1-Trichloroethane	28.4	1.0	ug/l	25.0		114	75-140			
1,1,2-Trichloroethane	26.5	1.0	ug/l	25.0		106	65-125			
Trichloroethene	27.2	1.0	ug/l	25.0		109	75-120			
Trichlorofluoromethane	31.0	1.0	ug/l	25.0		124	60-145			
1,2,3-Trichloropropane	23.6	1.0	ug/l	25.0		94	60-130			
1,2,4-Trimethylbenzene	25.4	1.0	ug/l	25.0		102	75-125			
1,3,5-Trimethylbenzene	26.0	1.0	ug/l	25.0		104	75-125			
Vinyl chloride	29.1	0.50	ug/l	25.0		116	50-125			
o-Xylene	26.3	1.0	ug/l	25.0		105	75-125			
m,p-Xylenes	53.8	1.0	ug/l	50.0		108	70-120			
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			

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Project ID: PhibroTech

Report Number: IMJ1119

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Received: 10/21/03

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: 3J25013 Extracted: 10/25/03										
Matrix Spike Analyzed: 10/25/03 (3J25013-MS1)					**Source: IMJ1119-04**					
Benzene	25.9	0.50	ug/l	25.0	2.5	94	70-120			
Bromodichloromethane	25.8	1.0	ug/l	25.0	ND	103	70-140			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	50-135			
Chlorobenzene	24.3	1.0	ug/l	25.0	0.50	95	80-125			
Chloroform	42.7	1.0	ug/l	25.0	18	99	70-130			
Dibromochloromethane	23.8	1.0	ug/l	25.0	ND	95	65-145			
1,4-Dichlorobenzene	23.2	1.0	ug/l	25.0	ND	93	75-120			
1,1-Dichloroethane	44.1	1.0	ug/l	25.0	19	100	65-135			
1,2-Dichloroethane	33.9	0.50	ug/l	25.0	9.0	100	60-150			
1,1-Dichloroethene	43.9	1.0	ug/l	25.0	18	104	65-145			
Naphthalene	23.6	1.0	ug/l	25.0	ND	94	50-145			
Tetrachloroethene	27.7	1.0	ug/l	25.0	4.0	95	70-130			
Toluene	25.2	1.0	ug/l	25.0	0.61	98	65-120			
Trichloroethene	133	1.0	ug/l	25.0	110	92	70-125			*M-HA*
Vinyl chloride	24.4	0.50	ug/l	25.0	ND	98	40-130			
Xylene	52.0	1.0	ug/l	25.0	29	92	65-125			
m,p-Xylenes	213	1.0	ug/l	50.0	180	66	60-125			
Surrogate: Dibromofluoromethane	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*102*	*80-120*			
Matrix Spike Dup Analyzed: 10/25/03 (3J25013-MSD1)					**Source: IMJ1119-04**					
Benzene	25.4	0.50	ug/l	25.0	2.5	92	70-120	2	20	
Bromodichloromethane	24.8	1.0	ug/l	25.0	ND	99	70-140	4	20	
Bromoform	23.0	1.0	ug/l	25.0	ND	92	50-135	3	25	
Chlorobenzene	23.7	1.0	ug/l	25.0	0.50	93	80-125	2	20	
Chloroform	41.2	1.0	ug/l	25.0	18	93	70-130	4	20	
Dibromochloromethane	23.4	1.0	ug/l	25.0	ND	94	65-145	2	20	
1,4-Dichlorobenzene	22.9	1.0	ug/l	25.0	ND	92	75-120	1	20	
1,1-Dichloroethane	42.5	1.0	ug/l	25.0	19	94	65-135	4	20	
1,2-Dichloroethane	32.6	0.50	ug/l	25.0	9.0	94	60-150	4	25	
1,1-Dichloroethene	42.1	1.0	ug/l	25.0	18	96	65-145	4	25	
Naphthalene	22.8	1.0	ug/l	25.0	ND	91	50-145	3	25	
Tetrachloroethene	27.5	1.0	ug/l	25.0	4.0	94	70-130	1	20	
Toluene	24.7	1.0	ug/l	25.0	0.61	96	65-120	2	20	

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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: 3J25013 Extracted: 10/25/03										
Matrix Spike Dup Analyzed: 10/25/03 (3J25013-MSD1)					**Source: IMJ1119-04**					
Trichloroethene	132	1.0	ug/l	25.0	110	88	70-125	1	20	*M-HA*
Vinyl chloride	25.2	0.50	ug/l	25.0	ND	101	40-130	3	25	
o-Xylene	51.1	1.0	ug/l	25.0	29	88	65-125	2	20	
m,p-Xylenes	209	1.0	ug/l	50.0	180	58	60-125	2	25	*M2*
Surrogate: Dibromofluoromethane	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Batch: 3J26017 Extracted: 10/26/03										
Blank Analyzed: 10/26/03 (3J26017-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							

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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: 3J26017 Extracted: 10/26/03										
Blank Analyzed: 10/26/03 (3J26017-BLK1)										
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							
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							

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

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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: 3J26017 Extracted: 10/26/03										
Blank Analyzed: 10/26/03 (3J26017-BLK1)										
Surrogate: Dibromofluoromethane	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
LCS Analyzed: 10/26/03 (3J26017-BS1)										
Benzene	27.1	0.50	ug/l	25.0		108	70-120			
Bromobenzene	25.2	1.0	ug/l	25.0		101	80-120			
Bromochloromethane	26.8	1.0	ug/l	25.0		107	65-135			
Bromodichloromethane	28.3	1.0	ug/l	25.0		113	70-140			
Bromoform	27.2	1.0	ug/l	25.0		109	50-135			
Bromomethane	26.6	1.0	ug/l	25.0		106	60-140			
n-Butylbenzene	26.3	1.0	ug/l	25.0		105	75-130			
sec-Butylbenzene	26.1	1.0	ug/l	25.0		104	75-125			
tert-Butylbenzene	24.8	1.0	ug/l	25.0		99	75-125			
Carbon tetrachloride	27.0	0.50	ug/l	25.0		108	70-140			
Chlorobenzene	24.9	1.0	ug/l	25.0		100	80-125			
Chloroethane	29.3	1.0	ug/l	25.0		117	60-145			
Chloroform	28.4	1.0	ug/l	25.0		114	70-130			
Chloromethane	25.2	1.0	ug/l	25.0		101	40-145			
2-Chlorotoluene	25.9	1.0	ug/l	25.0		104	75-125			
4-Chlorotoluene	26.5	1.0	ug/l	25.0		106	75-125			
Dibromochloromethane	25.7	1.0	ug/l	25.0		103	65-145			
1,2-Dibromo-3-chloropropane	26.0	5.0	ug/l	25.0		104	50-130			
1,2-Dibromoethane (EDB)	27.2	1.0	ug/l	25.0		109	70-125			
Dibromomethane	26.7	1.0	ug/l	25.0		107	70-130			
1,2-Dichlorobenzene	24.4	1.0	ug/l	25.0		98	75-120			
1,3-Dichlorobenzene	24.2	1.0	ug/l	25.0		97	75-120			
1,4-Dichlorobenzene	24.1	1.0	ug/l	25.0		96	80-120			
Dichlorodifluoromethane	25.5	5.0	ug/l	25.0		102	10-160			
1,1-Dichloroethane	28.0	1.0	ug/l	25.0		112	70-135			
1,2-Dichloroethane	27.4	0.50	ug/l	25.0		110	60-150			
1,1-Dichloroethene	28.3	1.0	ug/l	25.0		113	75-140			
cis-1,2-Dichloroethene	27.1	1.0	ug/l	25.0		108	65-125			
trans-1,2-Dichloroethene	27.5	1.0	ug/l	25.0		110	65-130			
1,2-Dichloropropane	27.6	1.0	ug/l	25.0		110	65-120			

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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: 3J26017 Extracted: 10/26/03										
LCS Analyzed: 10/26/03 (3J26017-BS1)										
1,3-Dichloropropane	27.3	1.0	ug/l	25.0		109	70-130			
2,2-Dichloropropane	27.8	1.0	ug/l	25.0		111	70-150			
1,1-Dichloropropene	28.4	1.0	ug/l	25.0		114	75-130			
cis-1,3-Dichloropropene	28.5	0.50	ug/l	25.0		114	70-130			
trans-1,3-Dichloropropene	28.4	0.50	ug/l	25.0		114	75-135			
Ethylbenzene	27.1	1.0	ug/l	25.0		108	80-120			
Hexachlorobutadiene	24.6	1.0	ug/l	25.0		98	65-140			
Isopropylbenzene	27.1	1.0	ug/l	25.0		108	70-125			
p-Isopropyltoluene	24.2	1.0	ug/l	25.0		97	75-125			
Methylene chloride	27.5	5.0	ug/l	25.0		110	60-135			
Naphthalene	24.8	1.0	ug/l	25.0		99	50-145			
n-Propylbenzene	27.4	1.0	ug/l	25.0		110	75-130			
Styrene	28.4	1.0	ug/l	25.0		114	80-135			
1,1,1,2-Tetrachloroethane	27.1	1.0	ug/l	25.0		108	70-145			
1,1,2,2-Tetrachloroethane	28.8	1.0	ug/l	25.0		115	60-135			
Tetrachloroethene	25.3	1.0	ug/l	25.0		101	75-125			
Toluene	26.5	1.0	ug/l	25.0		106	70-120			
1,2,3-Trichlorobenzene	25.7	1.0	ug/l	25.0		103	65-135			
1,2,4-Trichlorobenzene	26.2	1.0	ug/l	25.0		105	70-140			
1,1,1-Trichloroethane	27.1	1.0	ug/l	25.0		108	75-140			
1,1,2-Trichloroethane	27.5	1.0	ug/l	25.0		110	65-125			
Trichloroethene	26.6	1.0	ug/l	25.0		106	75-120			
Trichlorofluoromethane	29.7	1.0	ug/l	25.0		119	60-145			
1,2,3-Trichloropropane	26.5	1.0	ug/l	25.0		106	60-130			
1,2,4-Trimethylbenzene	26.7	1.0	ug/l	25.0		107	75-125			
1,3,5-Trimethylbenzene	27.2	1.0	ug/l	25.0		109	75-125			
Vinyl chloride	28.9	0.50	ug/l	25.0		116	50-125			
o-Xylene	26.2	1.0	ug/l	25.0		105	75-125			
m,p-Xylenes	53.4	1.0	ug/l	50.0		107	70-120			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			

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Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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: 3J26017 Extracted: 10/26/03										
Matrix Spike Analyzed: 10/26/03 (3J26017-MS1)					**Source: IMJ1172-01**					
Benzene	24.5	0.50	ug/l	25.0	ND	98	70-120			
Bromodichloromethane	25.3	1.0	ug/l	25.0	ND	101	70-140			
Bromoform	23.2	1.0	ug/l	25.0	ND	93	50-135			
Chlorobenzene	22.7	1.0	ug/l	25.0	ND	91	80-125			
Chloroform	25.4	1.0	ug/l	25.0	ND	102	70-130			
Dibromochloromethane	22.6	1.0	ug/l	25.0	ND	90	65-145			
1,4-Dichlorobenzene	23.0	1.0	ug/l	25.0	ND	92	75-120			
1,1-Dichloroethane	24.9	1.0	ug/l	25.0	ND	100	65-135			
1,2-Dichloroethane	24.3	0.50	ug/l	25.0	ND	97	60-150			
1,1-Dichloroethene	25.1	1.0	ug/l	25.0	ND	100	65-145			
Ethylbenzene	24.7	1.0	ug/l	25.0	ND	99	70-125			
Naphthalene	22.5	1.0	ug/l	25.0	ND	90	50-145			
Tetrachloroethene	23.0	1.0	ug/l	25.0	ND	92	70-130			
Toluene	24.1	1.0	ug/l	25.0	ND	96	65-120			
Trichloroethene	23.7	1.0	ug/l	25.0	ND	95	70-125			
Vinyl chloride	25.7	0.50	ug/l	25.0	ND	103	40-130			
o-Xylene	23.8	1.0	ug/l	25.0	ND	95	65-125			
m,p-Xylenes	48.8	1.0	ug/l	50.0	ND	98	60-125			
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Matrix Spike Dup Analyzed: 10/26/03 (3J26017-MSD1)					**Source: IMJ1172-01**					
Benzene	25.0	0.50	ug/l	25.0	ND	100	70-120	2	20	
Bromodichloromethane	26.2	1.0	ug/l	25.0	ND	105	70-140	3	20	
Bromoform	25.0	1.0	ug/l	25.0	ND	100	50-135	7	25	
Chlorobenzene	23.3	1.0	ug/l	25.0	ND	93	80-125	3	20	
Chloroform	26.2	1.0	ug/l	25.0	ND	105	70-130	3	20	
Dibromochloromethane	23.9	1.0	ug/l	25.0	ND	96	65-145	6	20	
1,4-Dichlorobenzene	23.7	1.0	ug/l	25.0	ND	95	75-120	3	20	
1,1-Dichloroethane	25.6	1.0	ug/l	25.0	ND	102	65-135	3	20	
1,2-Dichloroethane	25.2	0.50	ug/l	25.0	ND	101	60-150	4	25	
1,1-Dichloroethene	25.2	1.0	ug/l	25.0	ND	101	65-145	0	25	
Ethylbenzene	25.3	1.0	ug/l	25.0	ND	101	70-125	2	20	
Naphthalene	24.2	1.0	ug/l	25.0	ND	97	50-145	7	25	

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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: 3J26017 Extracted: 10/26/03										
Matrix Spike Dup Analyzed: 10/26/03 (3J26017-MSD1)					**Source: IMJ1172-01**					
Tetrachloroethene	23.6	1.0	ug/l	25.0	ND	94	70-130	3	20	
Toluene	24.6	1.0	ug/l	25.0	ND	98	65-120	2	20	
Trichloroethene	24.0	1.0	ug/l	25.0	ND	96	70-125	1	20	
Vinyl chloride	25.6	0.50	ug/l	25.0	ND	102	40-130	0	25	
o-Xylene	24.6	1.0	ug/l	25.0	ND	98	65-125	3	20	
m,p-Xylenes	49.6	1.0	ug/l	50.0	ND	99	60-125	2	25	
Surrogate: Dibromofluoromethane	*25.3*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Batch: 3J27015 Extracted: 10/27/03										
Blank Analyzed: 10/27/03 (3J27015-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							

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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: 3J27015 Extracted: 10/27/03										
Blank Analyzed: 10/27/03 (3J27015-BLK1)										
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							
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							

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Camp, Dresser & McKee
8581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1119

Sampled: 10/21/03
Received: 10/21/03

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: 3J27015 Extracted: 10/27/03										
Blank Analyzed: 10/27/03 (3J27015-BLK1)										
o-Xylene	ND	1.0	ug/l							
p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-120*			
Surrogate: Toluene-d8	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
LCS Analyzed: 10/27/03 (3J27015-BS1)										
Benzene	22.7	0.50	ug/l	25.0		91	70-120			
Bromobenzene	22.8	1.0	ug/l	25.0		91	80-120			
Bromochloromethane	23.5	1.0	ug/l	25.0		94	65-135			
Bromodichloromethane	23.2	1.0	ug/l	25.0		93	70-140			
Bromoform	22.2	1.0	ug/l	25.0		89	50-135			
Bromomethane	23.8	1.0	ug/l	25.0		95	60-140			
n-Butylbenzene	23.1	1.0	ug/l	25.0		92	75-130			
sec-Butylbenzene	23.0	1.0	ug/l	25.0		92	75-125			
tert-Butylbenzene	22.8	1.0	ug/l	25.0		91	75-125			
Carbon tetrachloride	24.1	0.50	ug/l	25.0		96	70-140			
Chlorobenzene	23.3	1.0	ug/l	25.0		93	80-125			
Chloroethane	24.1	1.0	ug/l	25.0		96	60-145			
Chloroform	23.1	1.0	ug/l	25.0		92	70-130			
Chloromethane	23.1	1.0	ug/l	25.0		92	40-145			
2-Chlorotoluene	22.1	1.0	ug/l	25.0		88	75-125			
4-Chlorotoluene	22.8	1.0	ug/l	25.0		91	75-125			
Dibromochloromethane	22.6	1.0	ug/l	25.0		90	65-145			
1,2-Dibromo-3-chloropropane	21.0	5.0	ug/l	25.0		84	50-130			
1,2-Dibromoethane (EDB)	22.8	1.0	ug/l	25.0		91	70-125			
Dibromomethane	22.8	1.0	ug/l	25.0		91	70-130			
1,2-Dichlorobenzene	22.4	1.0	ug/l	25.0		90	75-120			
1,3-Dichlorobenzene	22.4	1.0	ug/l	25.0		90	75-120			
1,4-Dichlorobenzene	22.5	1.0	ug/l	25.0		90	80-120			
Dichlorodifluoromethane	25.4	5.0	ug/l	25.0		102	10-160			
1,1-Dichloroethane	23.3	1.0	ug/l	25.0		93	70-135			
1,2-Dichloroethane	23.5	0.50	ug/l	25.0		94	60-150			
1,1-Dichloroethene	24.5	1.0	ug/l	25.0		98	75-140			
cis-1,2-Dichloroethene	23.0	1.0	ug/l	25.0		92	65-125			

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Project ID: PhibroTech

Report Number: IMJ1119

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Received: 10/21/03

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: 3J27015 Extracted: 10/27/03										
LCS Analyzed: 10/27/03 (3J27015-BS1)										
trans-1,2-Dichloroethene	24.2	1.0	ug/l	25.0		97	65-130			
1,2-Dichloropropane	23.4	1.0	ug/l	25.0		94	65-120			
1,3-Dichloropropane	22.7	1.0	ug/l	25.0		91	70-130			
2,2-Dichloropropane	24.3	1.0	ug/l	25.0		97	70-150			
1,1-Dichloropropene	23.8	1.0	ug/l	25.0		95	75-130			
cis-1,3-Dichloropropene	23.4	0.50	ug/l	25.0		94	70-130			
trans-1,3-Dichloropropene	23.6	0.50	ug/l	25.0		94	75-135			
Ethylbenzene	23.3	1.0	ug/l	25.0		93	80-120			
Hexachlorobutadiene	23.2	1.0	ug/l	25.0		93	65-140			
Isopropylbenzene	23.7	1.0	ug/l	25.0		95	70-125			
p-Isopropyltoluene	22.8	1.0	ug/l	25.0		91	75-125			
Methylene chloride	23.3	5.0	ug/l	25.0		93	60-135			
Naphthalene	21.8	1.0	ug/l	25.0		87	50-145			
n-Propylbenzene	23.3	1.0	ug/l	25.0		93	75-130			
Styrene	24.6	1.0	ug/l	25.0		98	80-135			
1,1,1,2-Tetrachloroethane	23.8	1.0	ug/l	25.0		95	70-145			
1,1,2,2-Tetrachloroethane	21.7	1.0	ug/l	25.0		87	60-135			
Tetrachloroethene	23.8	1.0	ug/l	25.0		95	75-125			
Toluene	22.9	1.0	ug/l	25.0		92	70-120			
1,2,3-Trichlorobenzene	22.7	1.0	ug/l	25.0		91	65-135			
1,2,4-Trichlorobenzene	23.2	1.0	ug/l	25.0		93	70-140			
1,1,1-Trichloroethane	23.4	1.0	ug/l	25.0		94	75-140			
1,1,2-Trichloroethane	22.6	1.0	ug/l	25.0		90	65-125			
Trichloroethene	23.5	1.0	ug/l	25.0		94	75-120			
Trichlorofluoromethane	24.9	1.0	ug/l	25.0		100	60-145			
1,2,3-Trichloropropane	21.6	1.0	ug/l	25.0		86	60-130			
1,2,4-Trimethylbenzene	22.9	1.0	ug/l	25.0		92	75-125			
1,3,5-Trimethylbenzene	23.3	1.0	ug/l	25.0		93	75-125			
Vinyl chloride	22.0	0.50	ug/l	25.0		88	50-125			
o-Xylene	22.9	1.0	ug/l	25.0		92	75-125			
m,p-Xylenes	46.3	1.0	ug/l	50.0		93	70-120			
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			

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Project ID: PhibroTech

Report Number: IMJ1119

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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: 3J27015 Extracted: 10/27/03										
Matrix Spike Analyzed: 10/27/03 (3J27015-MS1)					**Source: IMJ1231-02**					
Benzene	23.0	0.50	ug/l	25.0	ND	92	70-120			
Bromodichloromethane	24.0	1.0	ug/l	25.0	ND	96	70-140			
Bromoform	23.3	1.0	ug/l	25.0	ND	93	50-135			
Chlorobenzene	23.2	1.0	ug/l	25.0	ND	93	80-125			
Chloroform	23.6	1.0	ug/l	25.0	ND	94	70-130			
Dibromochloromethane	23.3	1.0	ug/l	25.0	ND	93	65-145			
1,4-Dichlorobenzene	22.4	1.0	ug/l	25.0	ND	90	75-120			
1,1-Dichloroethane	23.7	1.0	ug/l	25.0	ND	95	65-135			
1,2-Dichloroethane	24.7	0.50	ug/l	25.0	ND	99	60-150			
1,1-Dichloroethene	25.7	1.0	ug/l	25.0	1.3	98	65-145			
Ethylbenzene	23.2	1.0	ug/l	25.0	ND	93	70-125			
Naphthalene	23.7	1.0	ug/l	25.0	ND	95	50-145			
Tetrachloroethene	29.0	1.0	ug/l	25.0	6.1	92	70-130			
Toluene	23.2	1.0	ug/l	25.0	ND	93	65-120			
Trichloroethene	25.4	1.0	ug/l	25.0	2.6	91	70-125			
Vinyl chloride	20.9	0.50	ug/l	25.0	ND	84	40-130			
o-Xylene	22.7	1.0	ug/l	25.0	ND	91	65-125			
m,p-Xylenes	45.8	1.0	ug/l	50.0	ND	92	60-125			
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.5*		*ug/l*	*25.0*		*102*	*80-120*			
Matrix Spike Dup Analyzed: 10/27/03 (3J27015-MSD1)					**Source: IMJ1231-02**					
Benzene	22.9	0.50	ug/l	25.0	ND	92	70-120	0	20	
Bromodichloromethane	23.7	1.0	ug/l	25.0	ND	95	70-140	1	20	
Bromoform	21.5	1.0	ug/l	25.0	ND	86	50-135	8	25	
Chlorobenzene	23.4	1.0	ug/l	25.0	ND	94	80-125	1	20	
Chloroform	23.7	1.0	ug/l	25.0	ND	95	70-130	0	20	
Dibromochloromethane	22.3	1.0	ug/l	25.0	ND	89	65-145	4	20	
1,4-Dichlorobenzene	22.5	1.0	ug/l	25.0	ND	90	75-120	0	20	
1,1-Dichloroethane	23.9	1.0	ug/l	25.0	ND	96	65-135	1	20	
1,2-Dichloroethane	23.6	0.50	ug/l	25.0	ND	94	60-150	5	25	
1,1-Dichloroethene	25.6	1.0	ug/l	25.0	1.3	97	65-145	0	25	
Ethylbenzene	23.1	1.0	ug/l	25.0	ND	92	70-125	0	20	
Naphthalene	22.0	1.0	ug/l	25.0	ND	88	50-145	7	25	

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Attention: Sharon Wallin

Project ID: PhibroTech

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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: 3J27015 Extracted: 10/27/03										
Matrix Spike Dup Analyzed: 10/27/03 (3J27015-MSD1)					**Source: IMJ1231-02**					
Tetrachloroethene	29.2	1.0	ug/l	25.0	6.1	92	70-130	1	20	
Toluene	23.0	1.0	ug/l	25.0	ND	92	65-120	1	20	
Trichloroethene	25.5	1.0	ug/l	25.0	2.6	92	70-125	0	20	
Vinyl chloride	22.4	0.50	ug/l	25.0	ND	90	40-130	7	25	
o-Xylene	22.1	1.0	ug/l	25.0	ND	88	65-125	3	20	
m,p-Xylenes	44.3	1.0	ug/l	50.0	ND	89	60-125	3	25	
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: Toluene-d8	*25.7*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*100*	*80-120*			

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METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J22074 Extracted: 10/22/03										
Blank Analyzed: 10/23/03 (3J22074-BLK1)										
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Copper	ND	0.010	mg/l							
LCS Analyzed: 10/23/03 (3J22074-BS1)										
Cadmium	1.02	0.0050	mg/l	1.00		102	80-120			
Chromium	1.03	0.0050	mg/l	1.00		103	80-120			
Copper	1.01	0.010	mg/l	1.00		101	80-120			
Matrix Spike Analyzed: 10/23/03 (3J22074-MS1)					**Source: IMJ1044-02**					
Cadmium	0.932	0.0050	mg/l	1.00	0.00040	93	75-125			
Chromium	0.996	0.0050	mg/l	1.00	ND	100	75-125			
Copper	1.05	0.010	mg/l	1.00	0.0078	104	75-125			
Matrix Spike Dup Analyzed: 10/23/03 (3J22074-MSD1)					**Source: IMJ1044-02**					
Cadmium	0.938	0.0050	mg/l	1.00	0.00040	94	75-125	1	20	
Chromium	0.996	0.0050	mg/l	1.00	ND	100	75-125	0	20	
Copper	1.06	0.010	mg/l	1.00	0.0078	105	75-125	1	20	

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J21070 Extracted: 10/21/03										
Duplicate Analyzed: 10/21/03 (3J21070-DUP1)					**Source: IMJ1076-01**					
pH	8.12	NA	pH Units		8.13			0	5	
Batch: 3J21084 Extracted: 10/21/03										
Blank Analyzed: 10/21/03 (3J21084-BLK1)										
Chromium VI	ND	0.0010	mg/l							
LCS Analyzed: 10/21/03 (3J21084-BS1)										
Chromium VI	0.0492	0.0010	mg/l	0.0500		98	90-110			
Matrix Spike Analyzed: 10/21/03 (3J21084-MS1)					**Source: IMJ1119-06**					
Chromium VI	0.0491	0.0010	mg/l	0.0500	ND	98	80-115			
Matrix Spike Dup Analyzed: 10/21/03 (3J21084-MSD1)					**Source: IMJ1119-06**					
Chromium VI	0.0494	0.0010	mg/l	0.0500	ND	99	80-115	1	15	

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DATA QUALIFIERS AND DEFINITIONS

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).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M3	Results exceeded the linear range in the MS/MSD and therefore are not available for reporting. The batch was accepted based on acceptable recovery in the 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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Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 150.1	Water	X	X
EPA 6010B-Diss	Water	X	X
EPA 7199	Water	X	X
EPA 8260B	Water	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

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LABORATORY REPORT

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

Project: PhibroTech

Sampled: 10/22/03
Received: 10/22/03
Issued: 11/06/03

NELAP #01108CA CA ELAP #1197

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. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice 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
IMJ1210-01	PTI-TB02-059	Water
IMJ1210-02	PTI-MW15S-059	Water
IMJ1210-03	PTI-MW06D-059	Water
IMJ1210-04	PTI-MW37-059	Water
IMJ1210-05	PTI-MW06B-059	Water
IMJ1210-06	PTI-MW04A-059	Water
IMJ1210-07	PTI-EB02-059	Water
IMJ1210-08	PTI-MW16-059	Water
IMJ1210-09	PTI-MW09-059	Water

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

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-01 (PTI-TB02-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Bromobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromodichloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromoform	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
n-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
sec-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
tert-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Carbon tetrachloride	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Chlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroform	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
4-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,4-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dichlorodifluoromethane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichloroethane	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
1,1-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloropropene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Ethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Hexachlorobutadiene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Isopropylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
p-Isopropyltoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Methylene chloride	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	

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

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-01 (PTI-TB02-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
n-Propylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Styrene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Tetrachloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Toluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,2-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Trichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Trichlorofluoromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,3-Trichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Vinyl chloride	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
o-Xylene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
m,p-Xylenes	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Surrogate: Dibromofluoromethane (80-120%)				*97 %*				
Surrogate: Toluene-d8 (80-120%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-02 (PTI-MW15S-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Bromobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromodichloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromoform	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
n-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
sec-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
tert-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Carbon tetrachloride	EPA 8260B	3J27006	0.50	**2.0**	1	10/27/2003	10/27/2003	
Chlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroform	EPA 8260B	3J27006	1.0	**11**	1	10/27/2003	10/27/2003	
Chloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
4-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,4-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dichlorodifluoromethane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloroethane	EPA 8260B	3J27006	1.0	**2.7**	1	10/27/2003	10/27/2003	
1,2-Dichloroethane	EPA 8260B	3J27006	0.50	**22**	1	10/27/2003	10/27/2003	
1,1-Dichloroethene	EPA 8260B	3J27006	1.0	**2.4**	1	10/27/2003	10/27/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloropropene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Ethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Hexachlorobutadiene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Isopropylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
p-Isopropyltoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Methylene chloride	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	

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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-02 (PTI-MW15S-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
n-Propylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Styrene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Tetrachloroethene	EPA 8260B	3J27006	1.0	**2.2**	1	10/27/2003	10/27/2003	
Toluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,2-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Trichloroethene	EPA 8260B	3J27006	1.0	**21**	1	10/27/2003	10/27/2003	
Trichlorofluoromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,3-Trichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Vinyl chloride	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
o-Xylene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
m,p-Xylenes	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Surrogate: Dibromofluoromethane (80-120%)				*99 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				

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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-03 (PTI-MW06D-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J31023	0.50	ND	1	10/31/2003	10/31/2003	
Bromobenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Bromochloromethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Bromodichloromethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Bromoform	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Bromomethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
n-Butylbenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
sec-Butylbenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
tert-Butylbenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Carbon tetrachloride	EPA 8260B	3J31023	0.50	ND	1	10/31/2003	10/31/2003	
Chlorobenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Chloroethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Chloroform	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Chloromethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
2-Chlorotoluene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
4-Chlorotoluene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Dibromochloromethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J31023	5.0	ND	1	10/31/2003	10/31/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Dibromomethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,2-Dichlorobenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,3-Dichlorobenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,4-Dichlorobenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Dichlorodifluoromethane	EPA 8260B	3J31023	5.0	ND	1	10/31/2003	10/31/2003	
1,1-Dichloroethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,2-Dichloroethane	EPA 8260B	3J31023	0.50	ND	1	10/31/2003	10/31/2003	
1,1-Dichloroethene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,2-Dichloropropane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,3-Dichloropropane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
2,2-Dichloropropane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,1-Dichloropropene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J31023	0.50	ND	1	10/31/2003	10/31/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J31023	0.50	ND	1	10/31/2003	10/31/2003	
Ethylbenzene	EPA 8260B	3J31023	1.0	**1.6**	1	10/31/2003	10/31/2003	
Hexachlorobutadiene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Isopropylbenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
p-Isopropyltoluene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Methylene chloride	EPA 8260B	3J31023	5.0	ND	1	10/31/2003	10/31/2003	

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

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-03 (PTI-MW06D-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
n-Propylbenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Styrene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Tetrachloroethene	EPA 8260B	3J31023	1.0	**1.6**	1	10/31/2003	10/31/2003	
Toluene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,1,1-Trichloroethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,1,2-Trichloroethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Trichloroethene	EPA 8260B	3J31023	1.0	**7.0**	1	10/31/2003	10/31/2003	
Trichlorofluoromethane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,2,3-Trichloropropane	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Vinyl chloride	EPA 8260B	3J31023	0.50	ND	1	10/31/2003	10/31/2003	
o-Xylene	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
m,p-Xylenes	EPA 8260B	3J31023	1.0	ND	1	10/31/2003	10/31/2003	
Surrogate: Dibromofluoromethane (80-120%)				*102 %*				
Surrogate: Toluene-d8 (80-120%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*99 %*				

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-04 (PTI-MW37-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J29019	1.0	ND	2	10/29/2003	10/30/2003	
Bromobenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Bromochloromethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Bromodichloromethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Bromoform	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Bromomethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
n-Butylbenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
sec-Butylbenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
tert-Butylbenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Carbon tetrachloride	EPA 8260B	3J29019	1.0	ND	2	10/29/2003	10/30/2003	
Chlorobenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Chloroethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Chloroform	EPA 8260B	3J29019	2.0	**66**	2	10/29/2003	10/30/2003	
Chloromethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
2-Chlorotoluene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
4-Chlorotoluene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Dibromochloromethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J29019	10	ND	2	10/29/2003	10/30/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Dibromomethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,2-Dichlorobenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,3-Dichlorobenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,4-Dichlorobenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Dichlorodifluoromethane	EPA 8260B	3J29019	10	ND	2	10/29/2003	10/30/2003	
1,1-Dichloroethane	EPA 8260B	3J29019	2.0	**120**	2	10/29/2003	10/30/2003	
1,2-Dichloroethane	EPA 8260B	3J29019	1.0	**140**	2	10/29/2003	10/30/2003	
1,1-Dichloroethene	EPA 8260B	3J29019	2.0	**32**	2	10/29/2003	10/30/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J29019	2.0	**4.3**	2	10/29/2003	10/30/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,2-Dichloropropane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,3-Dichloropropane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
2,2-Dichloropropane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,1-Dichloropropene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J29019	1.0	ND	2	10/29/2003	10/30/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J29019	1.0	ND	2	10/29/2003	10/30/2003	
Ethylbenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Hexachlorobutadiene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Isopropylbenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
p-Isopropyltoluene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Methylene chloride	EPA 8260B	3J29019	10	**140**	2	10/29/2003	10/30/2003	

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-04 (PTI-MW37-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
n-Propylbenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Styrene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Tetrachloroethene	EPA 8260B	3J29019	2.0	**4.1**	2	10/29/2003	10/30/2003	
Toluene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,1,1-Trichloroethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,1,2-Trichloroethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Trichloroethene	EPA 8260B	3J29019	2.0	**130**	2	10/29/2003	10/30/2003	
Trichlorofluoromethane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,2,3-Trichloropropane	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Vinyl chloride	EPA 8260B	3J29019	1.0	ND	2	10/29/2003	10/30/2003	
o-Xylene	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
m,p-Xylenes	EPA 8260B	3J29019	2.0	ND	2	10/29/2003	10/30/2003	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*110 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*109 %*				

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-05 (PTI-MW06B-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Bromobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromodichloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromoform	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
n-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
sec-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
tert-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Carbon tetrachloride	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Chlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroform	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
4-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,4-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dichlorodifluoromethane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichloroethane	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
1,1-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloropropene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Ethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Hexachlorobutadiene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Isopropylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
p-Isopropyltoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Methylene chloride	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1210-05 (PTI-MW06B-059 - Water) - cont.								
Reporting Units: ug/l								
aphthalene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Propylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Styrene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Tetrachloroethene	EPA 8260B	3J27006	1.0	**4.4**	1	10/27/2003	10/27/2003	
Toluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
,3-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
,4-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
ichloroethene	EPA 8260B	3J27006	1.0	**18**	1	10/27/2003	10/27/2003	
richlorofluoromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,3-Trichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
,4-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
,5-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Vinyl chloride	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Xylene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
p-Xylenes	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
rogate: 4-Bromofluorobenzene (80-120%)				*105 %*				

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Camp, Dresser & McKee
18581 Teller Avenue, #200
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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-06 (PTI-MW04A-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J27006	2.0	**17**	4	10/27/200310/27/2003		
Bromobenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Bromochloromethane	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Bromodichloromethane	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Bromoform	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Bromomethane	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
n-Butylbenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
sec-Butylbenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
tert-Butylbenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Carbon tetrachloride	EPA 8260B	3J27006	2.0	ND	4	10/27/200310/27/2003		
Chlorobenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Chloroethane	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Chloroform	EPA 8260B	3J27006	4.0	**8.9**	4	10/27/200310/27/2003		
Chloromethane	EPA 8260B	3J27006	4.0	**5.3**	4	10/27/200310/27/2003		
2-Chlorotoluene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
4-Chlorotoluene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Dibromochloromethane	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
1,2-Dibromo-3-chloropropane	EPA 8260B	3J27006	20	ND	4	10/27/200310/27/2003		
1,2-Dibromoethane (EDB)	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Dibromomethane	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
1,2-Dichlorobenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
1,3-Dichlorobenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
1,4-Dichlorobenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Dichlorodifluoromethane	EPA 8260B	3J27006	20	ND	4	10/27/200310/27/2003		
1,1-Dichloroethane	EPA 8260B	3J27006	4.0	**210**	4	10/27/200310/27/2003		
1,2-Dichloroethane	EPA 8260B	3J27006	2.0	ND	4	10/27/200310/27/2003		
1,1-Dichloroethene	EPA 8260B	3J27006	4.0	**26**	4	10/27/200310/27/2003		
cis-1,2-Dichloroethene	EPA 8260B	3J27006	4.0	**13**	4	10/27/200310/27/2003		
trans-1,2-Dichloroethene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
1,2-Dichloropropane	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
1,3-Dichloropropane	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
2,2-Dichloropropane	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
1,1-Dichloropropene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
cis-1,3-Dichloropropene	EPA 8260B	3J27006	2.0	ND	4	10/27/200310/27/2003		
trans-1,3-Dichloropropene	EPA 8260B	3J27006	2.0	ND	4	10/27/200310/27/2003		
Ethylbenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Hexachlorobutadiene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Isopropylbenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
p-Isopropyltoluene	EPA 8260B	3J27006	4.0	ND	4	10/27/200310/27/2003		
Methylene chloride	EPA 8260B	3J27006	20	ND	4	10/27/200310/27/2003		

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-06 (PTI-MW04A-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
n-Propylbenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
Styrene	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
Tetrachloroethene	EPA 8260B	3J27006	4.0	**5.3**	4	10/27/2003	10/27/2003	
Toluene	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
1,1,1-Trichloroethane	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
1,1,2-Trichloroethane	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
Trichloroethene	EPA 8260B	3J27006	4.0	**130**	4	10/27/2003	10/27/2003	
Trichlorofluoromethane	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
1,2,3-Trichloropropane	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
Vinyl chloride	EPA 8260B	3J27006	2.0	ND	4	10/27/2003	10/27/2003	
o-Xylene	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
m,p-Xylenes	EPA 8260B	3J27006	4.0	ND	4	10/27/2003	10/27/2003	
Surrogate: Dibromofluoromethane (80-120%)				*105 %*				
Surrogate: Toluene-d8 (80-120%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*100 %*				

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-07 (PTI-EB02-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Bromobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromodichloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromoform	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
n-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
sec-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
tert-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Carbon tetrachloride	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Chlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroform	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
4-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,4-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dichlorodifluoromethane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichloroethane	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
1,1-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloropropene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Ethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Hexachlorobutadiene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Isopropylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
p-Isopropyltoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Methylene chloride	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-07 (PTI-EB02-059 - Water) - cont.								
Reporting Units: ug/l								
Naphthalene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
n-Propylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Styrene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Tetrachloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Toluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,2-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Trichloroethene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Trichlorofluoromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,3-Trichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Vinyl chloride	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
o-Xylene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
m,p-Xylenes	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Surrogate: Dibromofluoromethane (80-120%)				*106 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-08 (PTI-MW16-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Bromobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromodichloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromoform	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Bromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
n-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
sec-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
tert-Butylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Carbon tetrachloride	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Chlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloroform	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Chloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
4-Chlorotoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromochloromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dibromomethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,4-Dichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Dichlorodifluoromethane	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloroethane	EPA 8260B	3J27006	1.0	**100**	1	10/27/2003	10/27/2003	
1,2-Dichloroethane	EPA 8260B	3J27006	0.50	**10**	1	10/27/2003	10/27/2003	
1,1-Dichloroethene	EPA 8260B	3J27006	1.0	**11**	1	10/27/2003	10/27/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	**25**	1	10/27/2003	10/27/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J27006	1.0	**4.2**	1	10/27/2003	10/27/2003	
1,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,3-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
2,2-Dichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1-Dichloropropene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J27006	0.50	ND	1	10/27/2003	10/27/2003	
Ethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Hexachlorobutadiene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Isopropylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
p-Isopropyltoluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Methylene chloride	EPA 8260B	3J27006	5.0	ND	1	10/27/2003	10/27/2003	

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1210-08 (PTI-MW16-059 - Water) - cont.								
Reporting Units: ug/l								
iphthalene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Propylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Styrene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,2-Tetrachloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Tetrachloroethene	EPA 8260B	3J27006	1.0	**1.5**	1	10/27/2003	10/27/2003	
Toluene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
',3-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
',4-Trichlorobenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,1-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,1,2-Trichloroethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
ichloroethene	EPA 8260B	3J27006	1.0	**22**	1	10/27/2003	10/27/2003	
Trichlorofluoromethane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
1,2,3-Trichloropropane	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
',4-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
,5-Trimethylbenzene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Vinyl chloride	EPA 8260B	3J27006	0.50	**0.67**	1	10/27/2003	10/27/2003	
Xylene	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
p-Xylenes	EPA 8260B	3J27006	1.0	ND	1	10/27/2003	10/27/2003	
Surrogate: Dibromofluoromethane (80-120%)				*103 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
rrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-09 (PTI-MW09-059 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	3J27006	5.0	ND	10	10/27/2003	10/27/2003	
Bromobenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Bromochloromethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Bromodichloromethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Bromoform	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Bromomethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
n-Butylbenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
sec-Butylbenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
tert-Butylbenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Carbon tetrachloride	EPA 8260B	3J27006	5.0	ND	10	10/27/2003	10/27/2003	
Chlorobenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Chloroethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Chloroform	EPA 8260B	3J27006	10	**74**	10	10/27/2003	10/27/2003	
Chloromethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
2-Chlorotoluene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
4-Chlorotoluene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Dibromochloromethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	3J27006	50	ND	10	10/27/2003	10/27/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Dibromomethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,2-Dichlorobenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,3-Dichlorobenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,4-Dichlorobenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Dichlorodifluoromethane	EPA 8260B	3J27006	50	ND	10	10/27/2003	10/27/2003	
1,1-Dichloroethane	EPA 8260B	3J27006	10	**130**	10	10/27/2003	10/27/2003	
1,2-Dichloroethane	EPA 8260B	3J27006	5.0	**140**	10	10/27/2003	10/27/2003	
1,1-Dichloroethene	EPA 8260B	3J27006	10	**38**	10	10/27/2003	10/27/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,2-Dichloropropane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,3-Dichloropropane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
2,2-Dichloropropane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,1-Dichloropropene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J27006	5.0	ND	10	10/27/2003	10/27/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J27006	5.0	ND	10	10/27/2003	10/27/2003	
Ethylbenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Hexachlorobutadiene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Isopropylbenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
p-Isopropyltoluene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Methylene chloride	EPA 8260B	3J27006	50	**190**	10	10/27/2003	10/27/2003	

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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1210-09 (PTI-MW09-059 - Water) - cont.								
Reporting Units: ug/l								
aphthalene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Propylbenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Styrene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,1,2-Tetrachloroethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,2,2-Tetrachloroethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Tetrachloroethene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Toluene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,2,3-Trichlorobenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,2,4-Trichlorobenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,1,1-Trichloroethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,1,2-Trichloroethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
richloroethene	EPA 8260B	3J27006	10	**150**	10	10/27/2003	10/27/2003	
Trichlorofluoromethane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,2,3-Trichloropropane	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,2,4-Trimethylbenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
1,3,5-Trimethylbenzene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Vinyl chloride	EPA 8260B	3J27006	5.0	ND	10	10/27/2003	10/27/2003	
Xylene	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
m,p-Xylenes	EPA 8260B	3J27006	10	ND	10	10/27/2003	10/27/2003	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				

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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-02 (PTI-MW15S-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J23051	0.0050	**0.0057**	1	10/23/2003	10/23/2003	
Chromium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J23051	0.010	ND	1	10/23/2003	10/23/2003	
Sample ID: IMJ1210-03 (PTI-MW06D-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/30/2003	
Chromium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/30/2003	
Copper	EPA 6010B-Diss	3J23051	0.010	**0.014**	1	10/23/2003	10/30/2003	
Sample ID: IMJ1210-04 (PTI-MW37-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J23051	0.010	ND	2	10/23/2003	10/23/2003	RL-1
Chromium	EPA 6010B-Diss	3J23051	0.010	**13**	2	10/23/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J23051	0.020	ND	2	10/23/2003	10/23/2003	RL-1
Sample ID: IMJ1210-05 (PTI-MW06B-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/23/2003	
Chromium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J23051	0.010	ND	1	10/23/2003	10/23/2003	
Sample ID: IMJ1210-06 (PTI-MW04A-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/30/2003	
Chromium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/30/2003	
Copper	EPA 6010B-Diss	3J23051	0.010	**0.025**	1	10/23/2003	10/30/2003	
Sample ID: IMJ1210-07 (PTI-EB02-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/23/2003	
Chromium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J23051	0.010	ND	1	10/23/2003	10/23/2003	
Sample ID: IMJ1210-08 (PTI-MW16-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/23/2003	
Chromium	EPA 6010B-Diss	3J23051	0.0050	ND	1	10/23/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J23051	0.010	ND	1	10/23/2003	10/23/2003	

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-09 (PTI-MW09-059 - Water)								
Reporting Units: mg/l								
Cadmium	EPA 6010B-Diss	3J23051	0.010	ND	2	10/23/2003	10/23/2003	RL-1
Chromium	EPA 6010B-Diss	3J23051	0.010	**13**	2	10/23/2003	10/23/2003	
Copper	EPA 6010B-Diss	3J23051	0.020	ND	2	10/23/2003	10/23/2003	RL-1

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1210-02 (PTI-MW15S-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J22063	0.0010	ND	1	10/22/2003	10/22/2003	
Sample ID: IMJ1210-02 (PTI-MW15S-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J22083	NA	**7.70**	1	10/22/2003	10/22/2003	
Sample ID: IMJ1210-03 (PTI-MW06D-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J22063	0.0010	**0.0020**	1	10/22/2003	10/22/2003	
Sample ID: IMJ1210-03 (PTI-MW06D-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J22083	NA	**7.84**	1	10/22/2003	10/22/2003	
Sample ID: IMJ1210-04 (PTI-MW37-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J22063	0.20	**13**	200	10/22/2003	10/22/2003	
Sample ID: IMJ1210-04 (PTI-MW37-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J22083	NA	**7.26**	1	10/22/2003	10/22/2003	
Sample ID: IMJ1210-05 (PTI-MW06B-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J22063	0.0010	ND	1	10/22/2003	10/22/2003	
Sample ID: IMJ1210-05 (PTI-MW06B-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J22083	NA	**7.63**	1	10/22/2003	10/22/2003	
Sample ID: IMJ1210-06 (PTI-MW04A-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J22063	0.0010	ND	1	10/22/2003	10/22/2003	
Sample ID: IMJ1210-06 (PTI-MW04A-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J22083	NA	**7.02**	1	10/22/2003	10/22/2003	

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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1210-07 (PTI-EB02-059 - Water)								
Reporting Units: mg/l								
hromium VI	EPA 7199	3J22063	0.0010	ND	1	10/22/2003	10/22/2003	
mple ID: IMJ1210-07 (PTI-EB02-059 - Water)								
Reporting Units: pH Units								
H	EPA 150.1	3J22083	NA	**5.69**	1	10/22/2003	10/22/2003	
mple ID: IMJ1210-08 (PTI-MW16-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J22063	0.0010	ND	1	10/22/2003	10/22/2003	
mple ID: IMJ1210-08 (PTI-MW16-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J22083	NA	**7.34**	1	10/22/2003	10/22/2003	
mple ID: IMJ1210-09 (PTI-MW09-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J22063	0.20	**13**	200	10/22/2003	10/22/2003	
mple ID: IMJ1210-09 (PTI-MW09-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J22083	NA	**7.23**	1	10/22/2003	10/22/2003	

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PTI-MW15S-059 (IMJ1210-02) - Water					
EPA 150.1	1	10/22/2003 08:15	10/22/2003 15:00	10/22/2003 18:36	10/22/2003 21:00
EPA 7199	1	10/22/2003 08:15	10/22/2003 15:00	10/22/2003 18:00	10/22/2003 18:23
Sample ID: PTI-MW06D-059 (IMJ1210-03) - Water					
EPA 150.1	1	10/22/2003 09:10	10/22/2003 15:00	10/22/2003 18:36	10/22/2003 21:00
EPA 7199	1	10/22/2003 09:10	10/22/2003 15:00	10/22/2003 18:00	10/22/2003 18:33
Sample ID: PTI-MW37-059 (IMJ1210-04) - Water					
EPA 150.1	1	10/22/2003 07:30	10/22/2003 15:00	10/22/2003 18:36	10/22/2003 21:00
EPA 7199	1	10/22/2003 07:30	10/22/2003 15:00	10/22/2003 18:00	10/22/2003 19:20
Sample ID: PTI-MW06B-059 (IMJ1210-05) - Water					
EPA 150.1	1	10/22/2003 10:00	10/22/2003 15:00	10/22/2003 18:36	10/22/2003 21:00
EPA 7199	1	10/22/2003 10:00	10/22/2003 15:00	10/22/2003 18:00	10/22/2003 18:42
Sample ID: PTI-MW04A-059 (IMJ1210-06) - Water					
EPA 150.1	1	10/22/2003 10:55	10/22/2003 15:00	10/22/2003 18:36	10/22/2003 21:00
EPA 7199	1	10/22/2003 10:55	10/22/2003 15:00	10/22/2003 18:00	10/22/2003 18:52
Sample ID: PTI-EB02-059 (IMJ1210-07) - Water					
EPA 150.1	1	10/22/2003 12:30	10/22/2003 15:00	10/22/2003 18:36	10/22/2003 21:00
EPA 7199	1	10/22/2003 12:30	10/22/2003 15:00	10/22/2003 18:00	10/22/2003 19:01
Sample ID: PTI-MW16-059 (IMJ1210-08) - Water					
EPA 150.1	1	10/22/2003 12:45	10/22/2003 15:00	10/22/2003 18:36	10/22/2003 21:00
EPA 7199	1	10/22/2003 12:45	10/22/2003 15:00	10/22/2003 18:00	10/22/2003 19:41
Sample ID: PTI-MW09-059 (IMJ1210-09) - Water					
EPA 150.1	1	10/22/2003 13:50	10/22/2003 15:00	10/22/2003 18:36	10/22/2003 21:00
EPA 7199	1	10/22/2003 13:50	10/22/2003 15:00	10/22/2003 18:00	10/22/2003 19:30

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J27006 Extracted: 10/27/03										
Blank Analyzed: 10/27/03 (3J27006-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							

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J27006 Extracted: 10/27/03										
Blank Analyzed: 10/27/03 (3J27006-BLK1)										
Ethylbenzene	ND	1.0	ug/l							
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	*24.2*		*ug/l*	*25.0*		*97*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			

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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J27006 Extracted: 10/27/03										
CS Analyzed: 10/27/03 (3J27006-BS1)										
Benzene	26.6	0.50	ug/l	25.0		106	70-120			
Bromobenzene	25.6	1.0	ug/l	25.0		102	80-120			
omochloromethane	25.4	1.0	ug/l	25.0		102	65-135			
Bromodichloromethane	27.3	1.0	ug/l	25.0		109	70-140			
Bromoform	25.3	1.0	ug/l	25.0		101	50-135			
omomethane	26.4	1.0	ug/l	25.0		106	60-140			
Butylbenzene	26.7	1.0	ug/l	25.0		107	75-130			
sec-Butylbenzene	26.8	1.0	ug/l	25.0		107	75-125			
t -Butylbenzene	25.7	1.0	ug/l	25.0		103	75-125			
rbon tetrachloride	26.3	0.50	ug/l	25.0		105	70-140			
Chlorobenzene	24.8	1.0	ug/l	25.0		99	80-125			
Chloroethane	28.7	1.0	ug/l	25.0		115	60-145			
loroform	27.1	1.0	ug/l	25.0		108	70-130			
loromethane	26.0	1.0	ug/l	25.0		104	40-145			
2-Chlorotoluene	26.7	1.0	ug/l	25.0		107	75-125			
hlorotoluene	27.5	1.0	ug/l	25.0		110	75-125			
romochloromethane	24.6	1.0	ug/l	25.0		98	65-145			
1,2-Dibromo-3-chloropropane	24.9	5.0	ug/l	25.0		100	50-130			
-Dibromoethane (EDB)	26.4	1.0	ug/l	25.0		106	70-125			
romomethane	25.8	1.0	ug/l	25.0		103	70-130			
1,2-Dichlorobenzene	24.7	1.0	ug/l	25.0		99	75-120			
1,3-Dichlorobenzene	24.5	1.0	ug/l	25.0		98	75-120			
-Dichlorobenzene	24.6	1.0	ug/l	25.0		98	80-120			
chlorodifluoromethane	31.3	5.0	ug/l	25.0		125	10-160			
1,1-Dichloroethane	26.7	1.0	ug/l	25.0		107	70-135			
-Dichloroethane	26.6	0.50	ug/l	25.0		106	60-150			
-Dichloroethene	27.2	1.0	ug/l	25.0		109	75-140			
cis-1,2-Dichloroethene	26.0	1.0	ug/l	25.0		104	65-125			
ns-1,2-Dichloroethene	26.5	1.0	ug/l	25.0		106	65-130			
-Dichloropropane	26.8	1.0	ug/l	25.0		107	65-120			
1,3-Dichloropropane	27.0	1.0	ug/l	25.0		108	70-130			
2,2-Dichloropropane	31.2	1.0	ug/l	25.0		125	70-150			
-Dichloropropene	27.9	1.0	ug/l	25.0		112	75-130			
-1,3-Dichloropropene	28.1	0.50	ug/l	25.0		112	70-130			
trans-1,3-Dichloropropene	28.2	0.50	ug/l	25.0		113	75-135			

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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J27006 Extracted: 10/27/03										
LCS Analyzed: 10/27/03 (3J27006-BS1)										
Ethylbenzene	27.0	1.0	ug/l	25.0		108	80-120			
Hexachlorobutadiene	25.6	1.0	ug/l	25.0		102	65-140			
Isopropylbenzene	28.2	1.0	ug/l	25.0		113	70-125			
p-Isopropyltoluene	24.8	1.0	ug/l	25.0		99	75-125			
Methylene chloride	25.7	5.0	ug/l	25.0		103	60-135			
Naphthalene	24.8	1.0	ug/l	25.0		99	50-145			
n-Propylbenzene	28.2	1.0	ug/l	25.0		113	75-130			
Styrene	28.3	1.0	ug/l	25.0		113	80-135			
1,1,1,2-Tetrachloroethane	26.6	1.0	ug/l	25.0		106	70-145			
1,1,2,2-Tetrachloroethane	28.5	1.0	ug/l	25.0		114	60-135			
Tetrachloroethene	25.1	1.0	ug/l	25.0		100	75-125			
Toluene	26.2	1.0	ug/l	25.0		105	70-120			
1,2,3-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	65-135			
1,2,4-Trichlorobenzene	26.3	1.0	ug/l	25.0		105	70-140			
1,1,1-Trichloroethane	26.2	1.0	ug/l	25.0		105	75-140			
1,1,2-Trichloroethane	26.5	1.0	ug/l	25.0		106	65-125			
Trichloroethene	26.2	1.0	ug/l	25.0		105	75-120			
Trichlorofluoromethane	33.8	1.0	ug/l	25.0		135	60-145			
1,2,3-Trichloropropane	26.7	1.0	ug/l	25.0		107	60-130			
1,2,4-Trimethylbenzene	27.3	1.0	ug/l	25.0		109	75-125			
1,3,5-Trimethylbenzene	28.1	1.0	ug/l	25.0		112	75-125			
Vinyl chloride	28.2	0.50	ug/l	25.0		113	50-125			
o-Xylene	26.1	1.0	ug/l	25.0		104	75-125			
m,p-Xylenes	52.8	1.0	ug/l	50.0		106	70-120			
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*80-120*			

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J27006 Extracted: 10/27/03										
Matrix Spike Analyzed: 10/27/03 (3J27006-MS1)					**Source: IMJ1210-02**					
Benzene	27.4	0.50	ug/l	25.0	0.33	108	70-120			
Bromodichloromethane	28.3	1.0	ug/l	25.0	ND	113	70-140			
Bromoform	26.0	1.0	ug/l	25.0	ND	104	50-135			
Chlorobenzene	25.5	1.0	ug/l	25.0	ND	102	80-125			
Chloroform	38.3	1.0	ug/l	25.0	11	109	70-130			
Dibromochloromethane	25.4	1.0	ug/l	25.0	ND	102	65-145			
1,2-Dichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	75-120			
1,1-Dichloroethane	30.0	1.0	ug/l	25.0	2.7	109	65-135			
1,2-Dichloroethane	48.5	0.50	ug/l	25.0	22	106	60-150			
1,1-Dichloroethene	29.8	1.0	ug/l	25.0	2.4	110	65-145			
Ethylbenzene	27.9	1.0	ug/l	25.0	ND	112	70-125			
Naphthalene	25.1	1.0	ug/l	25.0	ND	100	50-145			
Tetrachloroethene	28.1	1.0	ug/l	25.0	2.2	104	70-130			
Toluene	26.4	1.0	ug/l	25.0	ND	106	65-120			
Trichloroethene	45.5	1.0	ug/l	25.0	21	98	70-125			
Vinyl chloride	28.8	0.50	ug/l	25.0	ND	115	40-130			
o-Xylene	26.8	1.0	ug/l	25.0	ND	107	65-125			
m,p-Xylenes	54.0	1.0	ug/l	50.0	ND	108	60-125			
Surrogate: Dibromofluoromethane	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.9*		*ug/l*	*25.0*		*108*	*80-120*			
Matrix Spike Dup Analyzed: 10/27/03 (3J27006-MSD1)					**Source: IMJ1210-02**					
Benzene	26.1	0.50	ug/l	25.0	0.33	103	70-120	5	20	
Bromodichloromethane	27.2	1.0	ug/l	25.0	ND	109	70-140	4	20	
Bromoform	24.5	1.0	ug/l	25.0	ND	98	50-135	6	25	
Chlorobenzene	23.9	1.0	ug/l	25.0	ND	96	80-125	6	20	
Chloroform	37.4	1.0	ug/l	25.0	11	106	70-130	2	20	
Dibromochloromethane	24.2	1.0	ug/l	25.0	ND	97	65-145	5	20	
1,2-Dichlorobenzene	24.3	1.0	ug/l	25.0	ND	97	75-120	4	20	
1,1-Dichloroethane	29.0	1.0	ug/l	25.0	2.7	105	65-135	3	20	
1,2-Dichloroethane	47.3	0.50	ug/l	25.0	22	101	60-150	3	25	
1,1-Dichloroethene	29.3	1.0	ug/l	25.0	2.4	108	65-145	2	25	
Ethylbenzene	26.4	1.0	ug/l	25.0	ND	106	70-125	6	20	
Naphthalene	24.0	1.0	ug/l	25.0	ND	96	50-145	4	25	

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

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J27006 Extracted: 10/27/03										
Matrix Spike Dup Analyzed: 10/27/03 (3J27006-MSD1)					**Source: IMJ1210-02**					
Tetrachloroethene	26.3	1.0	ug/l	25.0	2.2	96	70-130	7	20	
Toluene	25.6	1.0	ug/l	25.0	ND	102	65-120	3	20	
Trichloroethene	44.5	1.0	ug/l	25.0	21	94	70-125	2	20	
Vinyl chloride	32.0	0.50	ug/l	25.0	ND	128	40-130	11	25	
o-Xylene	25.1	1.0	ug/l	25.0	ND	100	65-125	7	20	
m,p-Xylenes	51.4	1.0	ug/l	50.0	ND	103	60-125	5	25	
Surrogate: Dibromofluoromethane	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Batch: 3J29019 Extracted: 10/29/03										
Blank Analyzed: 10/29/03 (3J29019-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							

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Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J29019 Extracted: 10/29/03										
Blank Analyzed: 10/29/03 (3J29019-BLK1)										
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							
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							

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Sampled: 10/22/03
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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: 3J29019 Extracted: 10/29/03										
Blank Analyzed: 10/29/03 (3J29019-BLK1)										
o-Xylene	ND	1.0	ug/l							
m,p-Xylenes	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.9*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.4*		*ug/l*	*25.0*		*110*	*80-120*			
LCS Analyzed: 10/29/03 (3J29019-BS1)										
Benzene	21.6	0.50	ug/l	25.0		86	70-120			
Bromobenzene	23.4	1.0	ug/l	25.0		94	80-120			
Bromochloromethane	23.0	1.0	ug/l	25.0		92	65-135			
Bromodichloromethane	25.7	1.0	ug/l	25.0		103	70-140			
Bromoform	22.4	1.0	ug/l	25.0		90	50-135			
Bromomethane	25.1	1.0	ug/l	25.0		100	60-140			
n-Butylbenzene	24.6	1.0	ug/l	25.0		98	75-130			
sec-Butylbenzene	23.9	1.0	ug/l	25.0		96	75-125			
tert-Butylbenzene	25.2	1.0	ug/l	25.0		101	75-125			
Carbon tetrachloride	27.2	0.50	ug/l	25.0		109	70-140			
Chlorobenzene	23.7	1.0	ug/l	25.0		95	80-125			
Chloroethane	24.2	1.0	ug/l	25.0		97	60-145			
Chloroform	23.7	1.0	ug/l	25.0		95	70-130			
Chloromethane	23.7	1.0	ug/l	25.0		95	40-145			
2-Chlorotoluene	24.0	1.0	ug/l	25.0		96	75-125			
4-Chlorotoluene	25.0	1.0	ug/l	25.0		100	75-125			
Dibromochloromethane	25.7	1.0	ug/l	25.0		103	65-145			
1,2-Dibromo-3-chloropropane	20.9	5.0	ug/l	25.0		84	50-130			
1,2-Dibromoethane (EDB)	24.1	1.0	ug/l	25.0		96	70-125			
Dibromomethane	23.8	1.0	ug/l	25.0		95	70-130			
1,2-Dichlorobenzene	24.5	1.0	ug/l	25.0		98	75-120			
1,3-Dichlorobenzene	24.2	1.0	ug/l	25.0		97	75-120			
1,4-Dichlorobenzene	24.6	1.0	ug/l	25.0		98	80-120			
Dichlorodifluoromethane	34.4	5.0	ug/l	25.0		138	10-160			
1,1-Dichloroethane	22.8	1.0	ug/l	25.0		91	70-135			
1,2-Dichloroethane	25.7	0.50	ug/l	25.0		103	60-150			
1,1-Dichloroethene	22.6	1.0	ug/l	25.0		90	75-140			
cis-1,2-Dichloroethene	21.6	1.0	ug/l	25.0		86	65-125			

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Irvine, CA 92612
Attention: Sharon Wallin

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J29019 Extracted: 10/29/03										
LCS Analyzed: 10/29/03 (3J29019-BS1)										
trans-1,2-Dichloroethene	22.5	1.0	ug/l	25.0		90	65-130			
1,2-Dichloropropane	22.5	1.0	ug/l	25.0		90	65-120			
1,3-Dichloropropane	23.4	1.0	ug/l	25.0		94	70-130			
2,2-Dichloropropane	26.2	1.0	ug/l	25.0		105	70-150			
1,1-Dichloropropene	23.8	1.0	ug/l	25.0		95	75-130			
cis-1,3-Dichloropropene	23.7	0.50	ug/l	25.0		95	70-130			
trans-1,3-Dichloropropene	25.4	0.50	ug/l	25.0		102	75-135			
Ethylbenzene	25.2	1.0	ug/l	25.0		101	80-120			
Hexachlorobutadiene	25.2	1.0	ug/l	25.0		101	65-140			
Isopropylbenzene	24.6	1.0	ug/l	25.0		98	70-125			
p-Isopropyltoluene	24.4	1.0	ug/l	25.0		98	75-125			
Methylene chloride	22.4	5.0	ug/l	25.0		90	60-135			
Naphthalene	23.3	1.0	ug/l	25.0		93	50-145			
n-Propylbenzene	24.4	1.0	ug/l	25.0		98	75-130			
Styrene	25.8	1.0	ug/l	25.0		103	80-135			
1,1,1,2-Tetrachloroethane	26.3	1.0	ug/l	25.0		105	70-145			
1,1,2,2-Tetrachloroethane	21.6	1.0	ug/l	25.0		86	60-135			
Tetrachloroethene	24.0	1.0	ug/l	25.0		96	75-125			
Toluene	22.4	1.0	ug/l	25.0		90	70-120			
1,2,3-Trichlorobenzene	24.4	1.0	ug/l	25.0		98	65-135			
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0		100	70-140			
1,1,1-Trichloroethane	25.3	1.0	ug/l	25.0		101	75-140			
1,1,2-Trichloroethane	22.3	1.0	ug/l	25.0		89	65-125			
Trichloroethene	23.9	1.0	ug/l	25.0		96	75-120			
Trichlorofluoromethane	25.8	1.0	ug/l	25.0		103	60-145			
1,2,3-Trichloropropane	22.3	1.0	ug/l	25.0		89	60-130			
1,2,4-Trimethylbenzene	25.1	1.0	ug/l	25.0		100	75-125			
1,3,5-Trimethylbenzene	25.4	1.0	ug/l	25.0		102	75-125			
Vinyl chloride	24.6	0.50	ug/l	25.0		98	50-125			
o-Xylene	23.7	1.0	ug/l	25.0		95	75-125			
m,p-Xylenes	48.8	1.0	ug/l	50.0		98	70-120			
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*27.0*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*112*	*80-120*			

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J29019 Extracted: 10/29/03										
Matrix Spike Analyzed: 10/29/03 (3J29019-MS1)					**Source: IMJ1394-02**					
Benzene	23.1	0.50	ug/l	25.0	0.50	90	70-120			
Bromodichloromethane	26.8	1.0	ug/l	25.0	ND	107	70-140			
Bromoform	24.2	1.0	ug/l	25.0	ND	97	50-135			
Chlorobenzene	24.8	1.0	ug/l	25.0	ND	99	80-125			
Chloroform	24.8	1.0	ug/l	25.0	ND	99	70-130			
Dibromochloromethane	27.6	1.0	ug/l	25.0	ND	110	65-145			
1,4-Dichlorobenzene	25.7	1.0	ug/l	25.0	ND	103	75-120			
1,1-Dichloroethane	23.6	1.0	ug/l	25.0	ND	94	65-135			
1,2-Dichloroethane	27.8	0.50	ug/l	25.0	ND	111	60-150			
1,1-Dichloroethene	23.6	1.0	ug/l	25.0	ND	94	65-145			
Ethylbenzene	26.3	1.0	ug/l	25.0	ND	105	70-125			
Naphthalene	26.5	1.0	ug/l	25.0	ND	106	50-145			
Tetrachloroethene	25.3	1.0	ug/l	25.0	ND	101	70-130			
Toluene	23.7	1.0	ug/l	25.0	ND	95	65-120			
Trichloroethene	24.6	1.0	ug/l	25.0	ND	98	70-125			
Vinyl chloride	24.7	0.50	ug/l	25.0	ND	99	40-130			
o-Xylene	25.1	1.0	ug/l	25.0	ND	100	65-125			
m,p-Xylenes	50.4	1.0	ug/l	50.0	ND	101	60-125			
Surrogate: Dibromofluoromethane	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.7*		*ug/l*	*25.0*		*111*	*80-120*			
Matrix Spike Dup Analyzed: 10/29/03 (3J29019-MSD1)					**Source: IMJ1394-02**					
Benzene	22.5	0.50	ug/l	25.0	0.50	88	70-120	3	20	
Bromodichloromethane	26.2	1.0	ug/l	25.0	ND	105	70-140	2	20	
Bromoform	24.8	1.0	ug/l	25.0	ND	99	50-135	2	25	
Chlorobenzene	24.1	1.0	ug/l	25.0	ND	96	80-125	3	20	
Chloroform	23.8	1.0	ug/l	25.0	ND	95	70-130	4	20	
Dibromochloromethane	27.4	1.0	ug/l	25.0	ND	110	65-145	1	20	
1,4-Dichlorobenzene	24.9	1.0	ug/l	25.0	ND	100	75-120	3	20	
1,1-Dichloroethane	22.7	1.0	ug/l	25.0	ND	91	65-135	4	20	
1,2-Dichloroethane	27.2	0.50	ug/l	25.0	ND	109	60-150	2	25	
1,1-Dichloroethene	23.0	1.0	ug/l	25.0	ND	92	65-145	3	25	
Ethylbenzene	25.7	1.0	ug/l	25.0	ND	103	70-125	2	20	
Naphthalene	27.7	1.0	ug/l	25.0	ND	111	50-145	4	25	

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

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

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: 3J29019 Extracted: 10/29/03										
Matrix Spike Dup Analyzed: 10/29/03 (3J29019-MSD1)					**Source: IMJ1394-02**					
Tetrachloroethene	24.6	1.0	ug/l	25.0	ND	98	70-130	3	20	
Toluene	23.1	1.0	ug/l	25.0	ND	92	65-120	3	20	
Trichloroethene	24.0	1.0	ug/l	25.0	ND	96	70-125	2	20	
Vinyl chloride	24.1	0.50	ug/l	25.0	ND	96	40-130	2	25	
o-Xylene	24.2	1.0	ug/l	25.0	ND	97	65-125	4	20	
p-Xylenes	49.5	1.0	ug/l	50.0	ND	99	60-125	2	25	
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: Toluene-d8	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.8*		*ug/l*	*25.0*		*111*	*80-120*			
Batch: 3J31023 Extracted: 10/31/03										
Blank Analyzed: 10/31/03 (3J31023-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							

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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: 3J31023 Extracted: 10/31/03										
Blank Analyzed: 10/31/03 (3J31023-BLK1)										
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							
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							

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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: 3J31023 Extracted: 10/31/03										
ank Analyzed: 10/31/03 (3J31023-BLK1)										
o-Xylene	ND	1.0	ug/l							
p-Xylenes	ND	1.0	ug/l							
rrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
CS Analyzed: 10/31/03 (3J31023-BS1)										
Benzene	21.3	0.50	ug/l	25.0		85	70-120			
Bromobenzene	22.7	1.0	ug/l	25.0		91	80-120			
omochloromethane	24.5	1.0	ug/l	25.0		98	65-135			
romodichloromethane	25.4	1.0	ug/l	25.0		102	70-140			
Bromoform	23.7	1.0	ug/l	25.0		95	50-135			
omomethane	19.4	1.0	ug/l	25.0		78	60-140			
Butylbenzene	23.4	1.0	ug/l	25.0		94	75-130			
sec-Butylbenzene	22.8	1.0	ug/l	25.0		91	75-125			
ert-Butylbenzene	23.7	1.0	ug/l	25.0		95	75-125			
rbon tetrachloride	26.7	0.50	ug/l	25.0		107	70-140			
hlorobenzene	23.8	1.0	ug/l	25.0		95	80-125			
Chloroethane	19.2	1.0	ug/l	25.0		77	60-145			
loroform	24.3	1.0	ug/l	25.0		97	70-130			
loromethane	12.4	1.0	ug/l	25.0		50	40-145			
2-Chlorotoluene	22.7	1.0	ug/l	25.0		91	75-125			
Chlorotoluene	23.6	1.0	ug/l	25.0		94	75-125			
bromochloromethane	24.0	1.0	ug/l	25.0		96	65-145			
1,2-Dibromo-3-chloropropane	29.3	5.0	ug/l	25.0		117	50-130			
1 2-Dibromoethane (EDB)	24.9	1.0	ug/l	25.0		100	70-125			
bromomethane	24.8	1.0	ug/l	25.0		99	70-130			
2-Dichlorobenzene	23.7	1.0	ug/l	25.0		95	75-120			
1,3-Dichlorobenzene	22.9	1.0	ug/l	25.0		92	75-120			
-Dichlorobenzene	23.4	1.0	ug/l	25.0		94	80-120			
chlorodifluoromethane	4.74	5.0	ug/l	25.0		19	10-160			
1,1-Dichloroethane	22.6	1.0	ug/l	25.0		90	70-135			
2-Dichloroethane	26.1	0.50	ug/l	25.0		104	60-150			
-Dichloroethene	22.0	1.0	ug/l	25.0		88	75-140			
cis-1,2-Dichloroethene	22.4	1.0	ug/l	25.0		90	65-125			

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Report Number: IMJ1210

Sampled: 10/22/03
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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: 3J31023 Extracted: 10/31/03										
LCS Analyzed: 10/31/03 (3J31023-BS1)										
trans-1,2-Dichloroethene	22.5	1.0	ug/l	25.0		90	65-130			
1,2-Dichloropropane	22.3	1.0	ug/l	25.0		89	65-120			
1,3-Dichloropropane	23.8	1.0	ug/l	25.0		95	70-130			
2,2-Dichloropropane	25.0	1.0	ug/l	25.0		100	70-150			
1,1-Dichloropropene	23.2	1.0	ug/l	25.0		93	75-130			
cis-1,3-Dichloropropene	24.0	0.50	ug/l	25.0		96	70-130			
trans-1,3-Dichloropropene	25.1	0.50	ug/l	25.0		100	75-135			
Ethylbenzene	23.8	1.0	ug/l	25.0		95	80-120			
Hexachlorobutadiene	23.4	1.0	ug/l	25.0		94	65-140			
Isopropylbenzene	23.2	1.0	ug/l	25.0		93	70-125			
p-Isopropyltoluene	22.9	1.0	ug/l	25.0		92	75-125			
Methylene chloride	23.1	5.0	ug/l	25.0		92	60-135			
Naphthalene	24.4	1.0	ug/l	25.0		98	50-145			
n-Propylbenzene	23.0	1.0	ug/l	25.0		92	75-130			
Styrene	25.6	1.0	ug/l	25.0		102	80-135			
1,1,1,2-Tetrachloroethane	26.0	1.0	ug/l	25.0		104	70-145			
1,1,2,2-Tetrachloroethane	23.7	1.0	ug/l	25.0		95	60-135			
Tetrachloroethene	23.8	1.0	ug/l	25.0		95	75-125			
Toluene	22.8	1.0	ug/l	25.0		91	70-120			
1,2,3-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	65-135			
1,2,4-Trichlorobenzene	24.3	1.0	ug/l	25.0		97	70-140			
1,1,1-Trichloroethane	25.2	1.0	ug/l	25.0		101	75-140			
1,1,2-Trichloroethane	23.8	1.0	ug/l	25.0		95	65-125			
Trichloroethene	23.7	1.0	ug/l	25.0		95	75-120			
Trichlorofluoromethane	22.1	1.0	ug/l	25.0		88	60-145			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0		91	60-130			
1,2,4-Trimethylbenzene	24.0	1.0	ug/l	25.0		96	75-125			
1,3,5-Trimethylbenzene	23.5	1.0	ug/l	25.0		94	75-125			
Vinyl chloride	16.1	0.50	ug/l	25.0		64	50-125			
o-Xylene	23.5	1.0	ug/l	25.0		94	75-125			
m,p-Xylenes	48.0	1.0	ug/l	50.0		96	70-120			
Surrogate: Dibromofluoromethane	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*100*	*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: 3J31023 Extracted: 10/31/03										
Matrix Spike Analyzed: 10/31/03 (3J31023-MS1)					**Source: IMJ1426-17**					
Benzene	19.4	0.50	ug/l	25.0	ND	78	70-120			
Bromodichloromethane	22.7	1.0	ug/l	25.0	ND	91	70-140			
Bromoform	20.4	1.0	ug/l	25.0	ND	82	50-135			
Chlorobenzene	21.5	1.0	ug/l	25.0	ND	86	80-125			
Chloroform	21.6	1.0	ug/l	25.0	ND	86	70-130			
Dibromochloromethane	20.9	1.0	ug/l	25.0	ND	84	65-145			
1,2-Dichlorobenzene	21.4	1.0	ug/l	25.0	ND	86	75-120			
1,1-Dichloroethane	20.5	1.0	ug/l	25.0	ND	82	65-135			
1,2-Dichloroethane	23.2	0.50	ug/l	25.0	ND	93	60-150			
1,1-Dichloroethene	20.0	1.0	ug/l	25.0	ND	80	65-145			
Ethylbenzene	21.6	1.0	ug/l	25.0	ND	86	70-125			
Naphthalene	22.0	1.0	ug/l	25.0	ND	88	50-145			
Tetrachloroethene	21.5	1.0	ug/l	25.0	ND	86	70-130			
Toluene	20.8	1.0	ug/l	25.0	ND	83	65-120			
Trichloroethene	21.3	1.0	ug/l	25.0	ND	85	70-125			
Vinyl chloride	14.5	0.50	ug/l	25.0	ND	58	40-130			
o-Xylene	21.2	1.0	ug/l	25.0	ND	85	65-125			
m,p-Xylenes	43.4	1.0	ug/l	50.0	ND	87	60-125			
Surrogate: Dibromofluoromethane	*25.2*		*ug/l*	*25.0*		*101*	*80-120*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*80-120*			
Matrix Spike Dup Analyzed: 10/31/03 (3J31023-MSD1)					**Source: IMJ1426-17**					
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-120	11	20	
Bromodichloromethane	25.6	1.0	ug/l	25.0	ND	102	70-140	12	20	
Bromoform	22.9	1.0	ug/l	25.0	ND	92	50-135	12	25	
Chlorobenzene	23.4	1.0	ug/l	25.0	ND	94	80-125	8	20	
Chloroform	24.2	1.0	ug/l	25.0	ND	97	70-130	11	20	
Dibromochloromethane	23.8	1.0	ug/l	25.0	ND	95	65-145	13	20	
1,2-Dichlorobenzene	22.4	1.0	ug/l	25.0	ND	90	75-120	5	20	
1,1-Dichloroethane	22.9	1.0	ug/l	25.0	ND	92	65-135	11	20	
1,2-Dichloroethane	26.1	0.50	ug/l	25.0	ND	104	60-150	12	25	
1,1-Dichloroethene	22.2	1.0	ug/l	25.0	ND	89	65-145	10	25	
Ethylbenzene	23.5	1.0	ug/l	25.0	ND	94	70-125	8	20	
Naphthalene	22.9	1.0	ug/l	25.0	ND	92	50-145	4	25	

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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: 3J31023 Extracted: 10/31/03										
Matrix Spike Dup Analyzed: 10/31/03 (3J31023-MSD1)					**Source: IMJ1426-17**					
Tetrachloroethene	23.6	1.0	ug/l	25.0	ND	94	70-130	9	20	
Toluene	23.0	1.0	ug/l	25.0	ND	92	65-120	10	20	
Trichloroethene	23.5	1.0	ug/l	25.0	ND	94	70-125	10	20	
Vinyl chloride	16.2	0.50	ug/l	25.0	ND	65	40-130	11	25	
o-Xylene	23.2	1.0	ug/l	25.0	ND	93	65-125	9	20	
m,p-Xylenes	47.3	1.0	ug/l	50.0	ND	95	60-125	9	25	
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-120*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*80-120*			

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Patty Mata
Project Manager

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

Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J23051 Extracted: 10/23/03										
Blank Analyzed: 10/23/03 (3J23051-BLK1)										
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Copper	ND	0.010	mg/l							
LCS Analyzed: 10/23/03 (3J23051-BS1)										
Cadmium	1.02	0.0050	mg/l	1.00		102	80-120			
Chromium	1.01	0.0050	mg/l	1.00		101	80-120			
Copper	0.994	0.010	mg/l	1.00		99	80-120			
Matrix Spike Analyzed: 10/23/03 (3J23051-MS1)					**Source: IMJ1210-02**					
Cadmium	0.985	0.0050	mg/l	1.00	0.0057	98	75-125			
Chromium	1.01	0.0050	mg/l	1.00	ND	101	75-125			
Copper	0.922	0.010	mg/l	1.00	0.0061	92	75-125			
Matrix Spike Dup Analyzed: 10/23/03 (3J23051-MSD1)					**Source: IMJ1210-02**					
Cadmium	0.988	0.0050	mg/l	1.00	0.0057	98	75-125	0	20	
Chromium	1.00	0.0050	mg/l	1.00	ND	100	75-125	1	20	
Copper	0.927	0.010	mg/l	1.00	0.0061	92	75-125	1	20	

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J22063 Extracted: 10/22/03										
Blank Analyzed: 10/22/03 (3J22063-BLK1)										
Chromium VI	ND	0.0010	mg/l							
LCS Analyzed: 10/22/03 (3J22063-BS1)										
Chromium VI	0.0496	0.0010	mg/l	0.0500		99	90-110			
Matrix Spike Analyzed: 10/22/03 (3J22063-MS1)					**Source: IMJ1189-01**					
Chromium VI	0.0477	0.0010	mg/l	0.0500	ND	95	80-115			
Matrix Spike Analyzed: 10/22/03 (3J22063-MS2)					**Source: IMJ1231-02**					
Chromium VI	0.0437	0.0010	mg/l	0.0500	ND	87	80-115			
Matrix Spike Dup Analyzed: 10/22/03 (3J22063-MSD1)					**Source: IMJ1189-01**					
Chromium VI	0.0476	0.0010	mg/l	0.0500	ND	95	80-115	0	15	
Matrix Spike Dup Analyzed: 10/22/03 (3J22063-MSD2)					**Source: IMJ1231-02**					
Chromium VI	0.0423	0.0010	mg/l	0.0500	ND	85	80-115	3	15	
Batch: 3J22083 Extracted: 10/22/03										
Duplicate Analyzed: 10/22/03 (3J22083-DUP1)					**Source: IMJ1153-01**					
pH	8.17	NA	pH Units		8.16			0	5	

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

DATA QUALIFIERS AND DEFINITIONS

RL-1	Reporting limit raised due to sample matrix effects.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project ID: PhibroTech

Report Number: IMJ1210

Sampled: 10/22/03
Received: 10/22/03

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 150.1	Water	X	X
EPA 6010B-Diss	Water	X	X
EPA 7199	Water	X	X
EPA 8260B	Water	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

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LABORATORY REPORT

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

Project: Phibro-Tech, Inc., App. IX
PTI

Sampled: 10/23/03
Received: 10/23/03
Issued: 11/21/03

NELAP #01108CA CA ELAP #1197

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. The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice 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.

EPA 8151 Herbicides surrogate recovery was below acceptance limits for sample IMJ1266-06. Surrogate concentration may have been lost during extraction procedure. Sample could not be re-extracted within hold time.

EPA 8270 SVOC surrogate recoveries were below acceptance limits for samples IMJ1266-02, -03 and -05 due to sample matrix effects.

COMMENTS: No significant observations were made.

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

LABORATORY ID	CLIENT ID	MATRIX
IMJ1266-01	PTI-TB03-059	Water
IMJ1266-02	PTI-MW35-059	Water
IMJ1266-03	PTI-MW07-059	Water
IMJ1266-04	PTI-D1-059	Water
IMJ1266-05	PTI-MW145-059	Water

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

LABORATORY ID	CLIENT ID	MATRIX
IMJ1266-06	PTI-EB03-059	Water
IMJ1266-07	PTI-MW04-059	Water
IMJ1266-08	PTI-MW11-059	Water

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-01 (PTI-TB03-059 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	3J28014	10	**10**	1	10/28/2003	10/28/2003	
Benzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Acetonitrile	EPA 8260B	3J28014	20	ND	1	10/28/2003	10/28/2003	
Allyl Chloride	EPA 8260B	3J28014	1.0	ND	1	10/28/2003	10/28/2003	
Amyl Methacrylate	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Benzyl Methacrylate	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Bromodichloromethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Propionitrile	EPA 8260B	3J28014	20	ND	1	10/28/2003	10/28/2003	
t-butanol (2-Methyl-1-Propanol)	EPA 8260B	3J28014	20	ND	1	10/28/2003	10/28/2003	
2-Chloro-1,3-butadiene	EPA 8260B	3J28014	1.0	ND	1	10/28/2003	10/28/2003	
Methyl Acrylonitrile	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Bromoform	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Bromomethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
2-Butanone (MEK)	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Carbon Disulfide	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Carbon tetrachloride	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Chlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Chloroethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Chloroform	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Chloromethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Dibromochloromethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Dibromomethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,2-Dichlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,3-Dichlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,4-Dichlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Dichlorodifluoromethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
1,1-Dichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,2-Dichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,1-Dichloroethene	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,2-Dichloropropane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Ethylbenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
2-Hexanone	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Iodomethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Methylene chloride	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Styrene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	

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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-01 (PTI-TB03-059 - Water) - cont.								
Reporting Units: ug/l								
1,1,1,2-Tetrachloroethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Tetrachloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Toluene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,1,1-Trichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,1,2-Trichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Trichloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Trichlorofluoromethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Vinyl acetate	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Vinyl chloride	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
o-Xylene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
m,p-Xylenes	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,4-Dichloro-2-butene	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	3J29007	40	ND	4	10/29/2003	10/29/2003	
Benzene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Acetonitrile	EPA 8260B	3J29007	80	ND	4	10/29/2003	10/29/2003	
Allyl Chloride	EPA 8260B	3J29007	4.0	ND	4	10/29/2003	10/29/2003	
Amyl Methacrylate	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Benzyl Methacrylate	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Bromodichloromethane	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Propionitrile	EPA 8260B	3J29007	80	ND	4	10/29/2003	10/29/2003	
Isobutanol (2-Methyl-1-Propanol)	EPA 8260B	3J29007	80	ND	4	10/29/2003	10/29/2003	
2-Chloro-1,3-butadiene	EPA 8260B	3J29007	4.0	ND	4	10/29/2003	10/29/2003	
Methyl Acrylonitrile	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Bromoform	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
Bromomethane	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
2-Butanone (MEK)	EPA 8260B	3J29007	40	ND	4	10/29/2003	10/29/2003	
Carbon Disulfide	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
Carbon tetrachloride	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
Chlorobenzene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Chloroethane	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
Chloroform	EPA 8260B	3J29007	8.0	**13**	4	10/29/2003	10/29/2003	
Chloromethane	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
Dibromochloromethane	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Dibromomethane	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
1,2-Dichlorobenzene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
1,3-Dichlorobenzene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
1,4-Dichlorobenzene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Dichlorodifluoromethane	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
1,1-Dichloroethane	EPA 8260B	3J29007	8.0	**160**	4	10/29/2003	10/29/2003	
1,2-Dichloroethane	EPA 8260B	3J29007	8.0	**55**	4	10/29/2003	10/29/2003	
1,1-Dichloroethene	EPA 8260B	3J29007	20	**73**	4	10/29/2003	10/29/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J29007	8.0	**180**	4	10/29/2003	10/29/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
1,2-Dichloropropane	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Ethylbenzene	EPA 8260B	3J29007	8.0	**390**	4	10/29/2003	10/29/2003	
2-Hexanone	EPA 8260B	3J29007	40	ND	4	10/29/2003	10/29/2003	
Iodomethane	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Methylene chloride	EPA 8260B	3J29007	20	**58**	4	10/29/2003	10/29/2003	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	3J29007	40	ND	4	10/29/2003	10/29/2003	
Styrene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water) - cont.								
Reporting Units: ug/l								
1,1,1,2-Tetrachloroethane	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Tetrachloroethene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Toluene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
1,1,1-Trichloroethane	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
1,1,2-Trichloroethane	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
Trichloroethene	EPA 8260B	3J29007	8.0	**150**	4	10/29/2003	10/29/2003	
Trichlorofluoromethane	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
Vinyl acetate	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
Vinyl chloride	EPA 8260B	3J29007	20	ND	4	10/29/2003	10/29/2003	
o-Xylene	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
m,p-Xylenes	EPA 8260B	3J29007	8.0	ND	4	10/29/2003	10/29/2003	
trans-1,4-Dichloro-2-butene	EPA 8260B	3J29007	40	ND	4	10/29/2003	10/29/2003	
Surrogate: Dibromofluoromethane (80-120%)				*104 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				

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Project ID: Phibro-Tech, Inc., App. IX
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Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-03 (PTI-MW07-059 - Water)								
Reporting Units: ug/l								
etone	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
nzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Acetonitrile	EPA 8260B	3J28014	20	ND	1	10/28/2003	10/28/2003	
Allyl Chloride	EPA 8260B	3J28014	1.0	ND	1	10/28/2003	10/28/2003	
nyl Methacrylate	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
ethyl Methacrylate	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Bromodichloromethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
opionitrile	EPA 8260B	3J28014	20	ND	1	10/28/2003	10/28/2003	
butanol (2-Methyl-1-Propanol)	EPA 8260B	3J28014	20	ND	1	10/28/2003	10/28/2003	
2-Chloro-1,3-butadiene	EPA 8260B	3J28014	1.0	ND	1	10/28/2003	10/28/2003	
Methyl Acrylonitrile	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
omoform	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Bromomethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
2-Butanone (MEK)	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
rbon Disulfide	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
rbon tetrachloride	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Chlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
loroethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
loroform	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Chloromethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Dibromochloromethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
bromomethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
-Dichlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,3-Dichlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
-Dichlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
chlorodifluoromethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
1,1-Dichloroethane	EPA 8260B	3J28014	2.0	**5.8**	1	10/28/2003	10/28/2003	
-Dichloroethane	EPA 8260B	3J28014	2.0	**3.3**	1	10/28/2003	10/28/2003	
-Dichloroethene	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
-Dichloropropane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
-1,3-Dichloropropene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
ylbenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
lexanone	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Iodomethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Methylene chloride	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Methyl-2-pentanone (MIBK)	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Styrene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water) - cont.								
Reporting Units: ug/l								
1,1,1,2-Tetrachloroethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Tetrachloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Toluene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,1,1-Trichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,1,2-Trichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Trichloroethene	EPA 8260B	3J28014	2.0	**11**	1	10/28/2003	10/28/2003	
Trichlorofluoromethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Vinyl acetate	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Vinyl chloride	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
o-Xylene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
m,p-Xylenes	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,4-Dichloro-2-butene	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				

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Report Number: IMJ1266

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Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-04 (PTI-D1-059 - Water)								
Reporting Units: ug/l								
etone	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
nzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Acetonitrile	EPA 8260B	3J28014	20	ND	1	10/28/2003	10/28/2003	
Allyl Chloride	EPA 8260B	3J28014	1.0	ND	1	10/28/2003	10/28/2003	
yl Methacrylate	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
ethyl Methacrylate	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Bromodichloromethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
pionitrile	EPA 8260B	3J28014	20	ND	1	10/28/2003	10/28/2003	
butanol (2-Methyl-1-Propanol)	EPA 8260B	3J28014	20	ND	1	10/28/2003	10/28/2003	
2-Chloro-1,3-butadiene	EPA 8260B	3J28014	1.0	ND	1	10/28/2003	10/28/2003	
Methyl Acrylonitrile	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
omoform	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Bromomethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
2-Butanone (MEK)	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
rbon Disulfide	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
rbon tetrachloride	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Chlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
loroethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
loroform	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Chloromethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Dibromochloromethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
romomethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
-Dichlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,3-Dichlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
-Dichlorobenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
hlorodifluoromethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
1,1-Dichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
-Dichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
-Dichloroethene	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
-Dichloropropane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,3-Dichloropropene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
ylbenzene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
lexanone	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Iodomethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Methylene chloride	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
4 Methyl-2-pentanone (MIBK)	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Styrene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	

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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
Sample ID: IMJ1266-04 (PTI-D1-059 - Water) - cont.								
Reporting Units: ug/l								
1,1,1,2-Tetrachloroethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Tetrachloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Toluene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,1,1-Trichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
1,1,2-Trichloroethane	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Trichloroethene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
Trichlorofluoromethane	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Vinyl acetate	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
Vinyl chloride	EPA 8260B	3J28014	5.0	ND	1	10/28/2003	10/28/2003	
o-Xylene	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
m,p-Xylenes	EPA 8260B	3J28014	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,4-Dichloro-2-butene	EPA 8260B	3J28014	10	ND	1	10/28/2003	10/28/2003	
Surrogate: Dibromofluoromethane (80-120%)				*112 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				

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Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Benzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Acetonitrile	EPA 8260B	3J29007	200	ND	10	10/29/2003	10/29/2003	
Allyl Chloride	EPA 8260B	3J29007	10	ND	10	10/29/2003	10/29/2003	
Butyl Methacrylate	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Methyl Methacrylate	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Bromodichloromethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Propionitrile	EPA 8260B	3J29007	200	ND	10	10/29/2003	10/29/2003	
tert-butanol (2-Methyl-1-Propanol)	EPA 8260B	3J29007	200	ND	10	10/29/2003	10/29/2003	
2-Chloro-1,3-butadiene	EPA 8260B	3J29007	10	ND	10	10/29/2003	10/29/2003	
Methyl Acrylonitrile	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Bromoform	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Bromomethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
2-Butanone (MEK)	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Carbon Disulfide	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Carbon tetrachloride	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Chlorobenzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Chloroethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Chloroform	EPA 8260B	3J29007	20	**37**	10	10/29/2003	10/29/2003	
Chloromethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Dibromochloromethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Dibromomethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,2-Dichlorobenzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,3-Dichlorobenzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,4-Dichlorobenzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Dichlorodifluoromethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
1,1-Dichloroethane	EPA 8260B	3J29007	20	**110**	10	10/29/2003	10/29/2003	
1,2-Dichloroethane	EPA 8260B	3J29007	20	**46**	10	10/29/2003	10/29/2003	
1,1-Dichloroethene	EPA 8260B	3J29007	50	**90**	10	10/29/2003	10/29/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,2-Dichloropropane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Ethylbenzene	EPA 8260B	3J29007	20	**80**	10	10/29/2003	10/29/2003	
2-Hexanone	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Iodomethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Methylene chloride	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Styrene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	

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

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water) - cont.								
Reporting Units: ug/l								
1,1,1,2-Tetrachloroethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Tetrachloroethene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Toluene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,1,1-Trichloroethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,1,2-Trichloroethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Trichloroethene	EPA 8260B	3J29007	20	**490**	10	10/29/2003	10/29/2003	
Trichlorofluoromethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Vinyl acetate	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Vinyl chloride	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
o-Xylene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
m,p-Xylenes	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
trans-1,4-Dichloro-2-butene	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Surrogate: Dibromofluoromethane (80-120%)				*110 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*104 %*				

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
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Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	3J28021	10	ND	1	10/28/2003	10/28/2003	
Benzene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Acetonitrile	EPA 8260B	3J28021	20	ND	1	10/28/2003	10/28/2003	
Allyl Chloride	EPA 8260B	3J28021	1.0	ND	1	10/28/2003	10/28/2003	
Butyl Methacrylate	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Methyl Methacrylate	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Bromodichloromethane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Propionitrile	EPA 8260B	3J28021	20	ND	1	10/28/2003	10/28/2003	
t-butanol (2-Methyl-1-Propanol)	EPA 8260B	3J28021	20	ND	1	10/28/2003	10/28/2003	C
2-Chloro-1,3-butadiene	EPA 8260B	3J28021	1.0	ND	1	10/28/2003	10/28/2003	
Methyl Acrylonitrile	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Bromoform	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
Bromomethane	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
2-Butanone (MEK)	EPA 8260B	3J28021	10	ND	1	10/28/2003	10/28/2003	
Carbon Disulfide	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
Carbon tetrachloride	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
Chlorobenzene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Chloroethane	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
Chloroform	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Chloromethane	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
Dibromochloromethane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Dibromomethane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
1,2-Dichlorobenzene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
1,3-Dichlorobenzene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
1,4-Dichlorobenzene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Dichlorodifluoromethane	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
1,1-Dichloroethane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
1,2-Dichloroethane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
1,1-Dichloroethene	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
1,2-Dichloropropane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Ethylbenzene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
2-Hexanone	EPA 8260B	3J28021	10	ND	1	10/28/2003	10/28/2003	
Iodomethane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Methylene chloride	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	3J28021	10	ND	1	10/28/2003	10/28/2003	
Styrene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	

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Betty Mata
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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water) - cont.								
Reporting Units: ug/l								
1,1,1,2-Tetrachloroethane	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Tetrachloroethene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Toluene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
1,1,1-Trichloroethane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
1,1,2-Trichloroethane	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Trichloroethene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
Trichlorofluoromethane	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
Vinyl acetate	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
Vinyl chloride	EPA 8260B	3J28021	5.0	ND	1	10/28/2003	10/28/2003	
o-Xylene	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
m,p-Xylenes	EPA 8260B	3J28021	2.0	ND	1	10/28/2003	10/28/2003	
trans-1,4-Dichloro-2-butene	EPA 8260B	3J28021	10	ND	1	10/28/2003	10/28/2003	
Surrogate: Dibromofluoromethane (80-120%)				*111 %*				
Surrogate: Toluene-d8 (80-120%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*106 %*				

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Project Manager

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Sampled: 10/23/03
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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
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	3J28021	100	ND	10	10/28/2003	10/28/2003	
Benzene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Acetonitrile	EPA 8260B	3J28021	200	ND	10	10/28/2003	10/28/2003	
Allyl Chloride	EPA 8260B	3J28021	10	ND	10	10/28/2003	10/28/2003	
Butyl Methacrylate	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Methyl Methacrylate	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Bromodichloromethane	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Propionitrile	EPA 8260B	3J28021	200	ND	10	10/28/2003	10/28/2003	
t-butanol (2-Methyl-1-Propanol)	EPA 8260B	3J28021	200	ND	10	10/28/2003	10/28/2003	C
2-Chloro-1,3-butadiene	EPA 8260B	3J28021	10	ND	10	10/28/2003	10/28/2003	
Methyl Acrylonitrile	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Bromoform	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
Bromomethane	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
2-Butanone (MEK)	EPA 8260B	3J28021	100	ND	10	10/28/2003	10/28/2003	
Carbon Disulfide	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
Carbon tetrachloride	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
Chlorobenzene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Chloroethane	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
Chloroform	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Chloromethane	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
Dibromochloromethane	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Dibromomethane	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
1,2-Dichlorobenzene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
1,3-Dichlorobenzene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
1,4-Dichlorobenzene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Dichlorodifluoromethane	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
1,1-Dichloroethane	EPA 8260B	3J28021	20	**150**	10	10/28/2003	10/28/2003	
1,2-Dichloroethane	EPA 8260B	3J28021	20	**53**	10	10/28/2003	10/28/2003	
1,1-Dichloroethene	EPA 8260B	3J28021	50	**65**	10	10/28/2003	10/28/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J28021	20	**160**	10	10/28/2003	10/28/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
1,2-Dichloropropane	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Ethylbenzene	EPA 8260B	3J28021	20	**410**	10	10/28/2003	10/28/2003	
2-Hexanone	EPA 8260B	3J28021	100	ND	10	10/28/2003	10/28/2003	
Iodomethane	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Methylene chloride	EPA 8260B	3J28021	50	**61**	10	10/28/2003	10/28/2003	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	3J28021	100	ND	10	10/28/2003	10/28/2003	
Styrene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	

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Project Manager

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Sampled: 10/23/03
Received: 10/23/03

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

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water) - cont.								
Reporting Units: ug/l								
1,1,1,2-Tetrachloroethane	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Tetrachloroethene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Toluene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
1,1,1-Trichloroethane	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
1,1,2-Trichloroethane	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
Trichloroethene	EPA 8260B	3J28021	20	**140**	10	10/28/2003	10/28/2003	
Trichlorofluoromethane	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
Vinyl acetate	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
Vinyl chloride	EPA 8260B	3J28021	50	ND	10	10/28/2003	10/28/2003	
o-Xylene	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
m,p-Xylenes	EPA 8260B	3J28021	20	ND	10	10/28/2003	10/28/2003	
trans-1,4-Dichloro-2-butene	EPA 8260B	3J28021	100	ND	10	10/28/2003	10/28/2003	
Surrogate: Dibromofluoromethane (80-120%)				*108 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				

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Project ID: Phibro-Tech, Inc., App. IX
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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
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Benzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Acetonitrile	EPA 8260B	3J29007	200	ND	10	10/29/2003	10/29/2003	
Allyl Chloride	EPA 8260B	3J29007	10	ND	10	10/29/2003	10/29/2003	
Butyl Methacrylate	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Methyl Methacrylate	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Bromodichloromethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Propionitrile	EPA 8260B	3J29007	200	ND	10	10/29/2003	10/29/2003	
Isobutanol (2-Methyl-1-Propanol)	EPA 8260B	3J29007	200	ND	10	10/29/2003	10/29/2003	
2-Chloro-1,3-butadiene	EPA 8260B	3J29007	10	ND	10	10/29/2003	10/29/2003	
Methyl Acrylonitrile	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Bromoform	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Bromomethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
2-Butanone (MEK)	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Carbon Disulfide	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Carbon tetrachloride	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Chlorobenzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Chloroethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Chloroform	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Chloromethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Dibromochloromethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Dibromomethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,2-Dichlorobenzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,3-Dichlorobenzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,4-Dichlorobenzene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Dichlorodifluoromethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
1,1-Dichloroethane	EPA 8260B	3J29007	20	**56**	10	10/29/2003	10/29/2003	
1,2-Dichloroethane	EPA 8260B	3J29007	20	**300**	10	10/29/2003	10/29/2003	
1,1-Dichloroethene	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
cis-1,2-Dichloroethene	EPA 8260B	3J29007	20	**46**	10	10/29/2003	10/29/2003	
trans-1,2-Dichloroethene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,2-Dichloropropane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
cis-1,3-Dichloropropene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
trans-1,3-Dichloropropene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Ethylbenzene	EPA 8260B	3J29007	20	**710**	10	10/29/2003	10/29/2003	
2-Hexanone	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Iodomethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Methylene chloride	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Styrene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Sampled: 10/23/03
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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
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water) - cont.								
Reporting Units: ug/l								
1,1,1,2-Tetrachloroethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Tetrachloroethene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Toluene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,1,1-Trichloroethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
1,1,2-Trichloroethane	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
Trichloroethene	EPA 8260B	3J29007	20	**380**	10	10/29/2003	10/29/2003	
Trichlorofluoromethane	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Vinyl acetate	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
Vinyl chloride	EPA 8260B	3J29007	50	ND	10	10/29/2003	10/29/2003	
o-Xylene	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
m,p-Xylenes	EPA 8260B	3J29007	20	ND	10	10/29/2003	10/29/2003	
trans-1,4-Dichloro-2-butene	EPA 8260B	3J29007	100	ND	10	10/29/2003	10/29/2003	
Surrogate: Dibromofluoromethane (80-120%)				*109 %*				
Surrogate: Toluene-d8 (80-120%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (80-120%)				*105 %*				

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ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water)								
Reporting Units: ug/l								
Aldrin	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
alpha-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
beta-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
delta-BHC	EPA 3510C/8081	3J28043	0.20	ND	0.98	10/28/2003	10/29/2003	
gamma-BHC (Lindane)	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Chlordane	EPA 3510C/8081	3J28043	1.0	ND	0.98	10/28/2003	10/29/2003	
4,4'-DDD	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
4,4'-DDE	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
4,4'-DDT	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Dieldrin	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endosulfan I	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endosulfan II	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endosulfan sulfate	EPA 3510C/8081	3J28043	0.20	ND	0.98	10/28/2003	10/29/2003	
Endrin	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endrin aldehyde	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endrin ketone	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Heptachlor	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Heptachlor epoxide	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Methoxychlor	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Toxaphene	EPA 3510C/8081	3J28043	5.0	ND	0.98	10/28/2003	10/29/2003	
Surrogate: Tetrachloro-m-xylene (35-120%)				*53 %*				
Surrogate: Decachlorobiphenyl (45-120%)				*90 %*				

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ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water)								
Reporting Units: ug/l								
Aldrin	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
alpha-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
beta-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
delta-BHC	EPA 3510C/8081	3J28043	0.20	ND	0.98	10/28/2003	10/29/2003	
gamma-BHC (Lindane)	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Chlordane	EPA 3510C/8081	3J28043	1.0	ND	0.98	10/28/2003	10/29/2003	
4,4'-DDD	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
4,4'-DDE	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
4,4'-DDT	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Dieldrin	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endosulfan I	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endosulfan II	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endosulfan sulfate	EPA 3510C/8081	3J28043	0.20	ND	0.98	10/28/2003	10/29/2003	
Endrin	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endrin aldehyde	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endrin ketone	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Heptachlor	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Heptachlor epoxide	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Methoxychlor	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Toxaphene	EPA 3510C/8081	3J28043	5.0	ND	0.98	10/28/2003	10/29/2003	
Surrogate: Tetrachloro-m-xylene (35-120%)				*64 %*				
Surrogate: Decachlorobiphenyl (45-120%)				*98 %*				

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ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-04 (PTI-D1-059 - Water)								
Reporting Units: ug/l								
Aldrin	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
alpha-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
beta-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
delta-BHC	EPA 3510C/8081	3J28043	0.20	ND	0.98	10/28/2003	10/29/2003	
gamma-BHC (Lindane)	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Chlordane	EPA 3510C/8081	3J28043	1.0	ND	0.98	10/28/2003	10/29/2003	
4,4'-DDD	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
4,4'-DDE	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
4,4'-DDT	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Dieldrin	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endosulfan I	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endosulfan II	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endosulfan sulfate	EPA 3510C/8081	3J28043	0.20	ND	0.98	10/28/2003	10/29/2003	
Endrin	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endrin aldehyde	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Endrin ketone	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Heptachlor	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Heptachlor epoxide	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Methoxychlor	EPA 3510C/8081	3J28043	0.10	ND	0.98	10/28/2003	10/29/2003	
Toxaphene	EPA 3510C/8081	3J28043	5.0	ND	0.98	10/28/2003	10/29/2003	
Surrogate: Tetrachloro-m-xylene (35-120%)				*69 %*				
Surrogate: Decachlorobiphenyl (45-120%)				*101 %*				

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ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water)								
Reporting Units: ug/l								
Aldrin	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
alpha-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
beta-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
delta-BHC	EPA 3510C/8081	3J28043	0.20	ND	0.957	10/28/2003	10/29/2003	
gamma-BHC (Lindane)	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Chlordane	EPA 3510C/8081	3J28043	1.0	ND	0.957	10/28/2003	10/29/2003	
4,4'-DDD	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
4,4'-DDE	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
4,4'-DDT	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Dieldrin	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Endosulfan I	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Endosulfan II	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Endosulfan sulfate	EPA 3510C/8081	3J28043	0.20	ND	0.957	10/28/2003	10/29/2003	
Endrin	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Endrin aldehyde	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Endrin ketone	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Heptachlor	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Heptachlor epoxide	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Methoxychlor	EPA 3510C/8081	3J28043	0.10	ND	0.957	10/28/2003	10/29/2003	
Toxaphene	EPA 3510C/8081	3J28043	5.0	ND	0.957	10/28/2003	10/29/2003	
Surrogate: Tetrachloro-m-xylene (35-120%)				*50 %*				
Surrogate: Decachlorobiphenyl (45-120%)				*87 %*				

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water)								
Reporting Units: ug/l								
Aldrin	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
alpha-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
beta-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
delta-BHC	EPA 3510C/8081	3J28043	0.20	ND	0.962	10/28/2003	10/29/2003	
gamma-BHC (Lindane)	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Chlordane	EPA 3510C/8081	3J28043	1.0	ND	0.962	10/28/2003	10/29/2003	
4,4'-DDD	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
4,4'-DDE	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
4,4'-DDT	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Dieldrin	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Endosulfan I	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Endosulfan II	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Endosulfan sulfate	EPA 3510C/8081	3J28043	0.20	ND	0.962	10/28/2003	10/29/2003	
Endrin	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Endrin aldehyde	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Endrin ketone	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Heptachlor	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Heptachlor epoxide	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Methoxychlor	EPA 3510C/8081	3J28043	0.10	ND	0.962	10/28/2003	10/29/2003	
Toxaphene	EPA 3510C/8081	3J28043	5.0	ND	0.962	10/28/2003	10/29/2003	
Surrogate: Tetrachloro-m-xylene (35-120%)				*62 %*				
Surrogate: Decachlorobiphenyl (45-120%)				*90 %*				

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Project ID: Phibro-Tech, Inc., App. IX
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ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water)								
Reporting Units: ug/l								
Aldrin	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
alpha-BHC	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
beta-BHC	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
delta-BHC	EPA 3510C/8081	3J28043	0.20	ND	1.06	10/28/2003	10/29/2003	
gamma-BHC (Lindane)	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Chlordane	EPA 3510C/8081	3J28043	1.0	ND	1.06	10/28/2003	10/29/2003	
4,4'-DDD	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
4,4'-DDE	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
4,4'-DDT	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Dieldrin	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Endosulfan I	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Endosulfan II	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Endosulfan sulfate	EPA 3510C/8081	3J28043	0.20	ND	1.06	10/28/2003	10/29/2003	
Endrin	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Endrin aldehyde	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Endrin ketone	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Heptachlor	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Heptachlor epoxide	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Methoxychlor	EPA 3510C/8081	3J28043	0.10	ND	1.06	10/28/2003	10/29/2003	
Toxaphene	EPA 3510C/8081	3J28043	5.0	ND	1.06	10/28/2003	10/29/2003	
Surrogate: Tetrachloro-m-xylene (35-120%)				*49 %*				
Surrogate: Decachlorobiphenyl (45-120%)				*85 %*				

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ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water)								
Reporting Units: ug/l								
Aldrin	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
alpha-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
beta-BHC	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
delta-BHC	EPA 3510C/8081	3J28043	0.20	ND	0.99	10/28/2003	10/29/2003	
gamma-BHC (Lindane)	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Chlordane	EPA 3510C/8081	3J28043	1.0	ND	0.99	10/28/2003	10/29/2003	
4,4'-DDD	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
4,4'-DDE	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
4,4'-DDT	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Dieldrin	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Endosulfan I	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Endosulfan II	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Endosulfan sulfate	EPA 3510C/8081	3J28043	0.20	ND	0.99	10/28/2003	10/29/2003	
Endrin	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Endrin aldehyde	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Endrin ketone	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Heptachlor	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Heptachlor epoxide	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Methoxychlor	EPA 3510C/8081	3J28043	0.10	ND	0.99	10/28/2003	10/29/2003	
Toxaphene	EPA 3510C/8081	3J28043	5.0	ND	0.99	10/28/2003	10/29/2003	
Surrogate: Tetrachloro-m-xylene (35-120%)				*48 %*				
Surrogate: Decachlorobiphenyl (45-120%)				*87 %*				

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POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water)								
Reporting Units: ug/l								
Aroclor 1016	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1221	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1232	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1242	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1248	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1254	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1260	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Surrogate: Decachlorobiphenyl (45-125%)				*71 %*				
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water)								
Reporting Units: ug/l								
Aroclor 1016	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1221	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1232	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1242	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1248	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1254	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1260	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Surrogate: Decachlorobiphenyl (45-125%)				*70 %*				
Sample ID: IMJ1266-04 (PTI-D1-059 - Water)								
Reporting Units: ug/l								
Aroclor 1016	EPA 3510/8082	3J24049	1.0	ND	0.98	10/24/2003	10/24/2003	
Aroclor 1221	EPA 3510/8082	3J24049	1.0	ND	0.98	10/24/2003	10/24/2003	
Aroclor 1232	EPA 3510/8082	3J24049	1.0	ND	0.98	10/24/2003	10/24/2003	
Aroclor 1242	EPA 3510/8082	3J24049	1.0	ND	0.98	10/24/2003	10/24/2003	
Aroclor 1248	EPA 3510/8082	3J24049	1.0	ND	0.98	10/24/2003	10/24/2003	
Aroclor 1254	EPA 3510/8082	3J24049	1.0	ND	0.98	10/24/2003	10/24/2003	
Aroclor 1260	EPA 3510/8082	3J24049	1.0	ND	0.98	10/24/2003	10/24/2003	
Surrogate: Decachlorobiphenyl (45-125%)				*71 %*				

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POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-05 (PTI-MW145-059 - Water)								
Reporting Units: ug/l								
oclor 1016	EPA 3510/8082	3J24049	1.0	ND	0.971	10/24/2003	10/24/2003	
oclor 1221	EPA 3510/8082	3J24049	1.0	ND	0.971	10/24/2003	10/24/2003	
Aroclor 1232	EPA 3510/8082	3J24049	1.0	ND	0.971	10/24/2003	10/24/2003	
Aroclor 1242	EPA 3510/8082	3J24049	1.0	ND	0.971	10/24/2003	10/24/2003	
oclor 1248	EPA 3510/8082	3J24049	1.0	ND	0.971	10/24/2003	10/24/2003	
oclor 1254	EPA 3510/8082	3J24049	1.0	ND	0.971	10/24/2003	10/24/2003	
Aroclor 1260	EPA 3510/8082	3J24049	1.0	ND	0.971	10/24/2003	10/24/2003	
rrogate: Decachlorobiphenyl (45-125%)				*69 %*				
mple ID: IMJ1266-06 (PTI-EB03-059 - Water)								
Reporting Units: ug/l								
oclor 1016	EPA 3510/8082	3J24049	1.0	ND	0.962	10/24/2003	10/24/2003	
oclor 1221	EPA 3510/8082	3J24049	1.0	ND	0.962	10/24/2003	10/24/2003	
Aroclor 1232	EPA 3510/8082	3J24049	1.0	ND	0.962	10/24/2003	10/24/2003	
Aroclor 1242	EPA 3510/8082	3J24049	1.0	ND	0.962	10/24/2003	10/24/2003	
oclor 1248	EPA 3510/8082	3J24049	1.0	ND	0.962	10/24/2003	10/24/2003	
oclor 1254	EPA 3510/8082	3J24049	1.0	ND	0.962	10/24/2003	10/24/2003	
Aroclor 1260	EPA 3510/8082	3J24049	1.0	ND	0.962	10/24/2003	10/24/2003	
rrogate: Decachlorobiphenyl (45-125%)				*68 %*				
mple ID: IMJ1266-07 (PTI-MW04-059 - Water)								
Reporting Units: ug/l								
oclor 1016	EPA 3510/8082	3J24049	1.0	ND	0.99	10/24/2003	10/24/2003	
oclor 1221	EPA 3510/8082	3J24049	1.0	ND	0.99	10/24/2003	10/24/2003	
Aroclor 1232	EPA 3510/8082	3J24049	1.0	ND	0.99	10/24/2003	10/24/2003	
Aroclor 1242	EPA 3510/8082	3J24049	1.0	ND	0.99	10/24/2003	10/24/2003	
oclor 1248	EPA 3510/8082	3J24049	1.0	ND	0.99	10/24/2003	10/24/2003	
oclor 1254	EPA 3510/8082	3J24049	1.0	ND	0.99	10/24/2003	10/24/2003	
Aroclor 1260	EPA 3510/8082	3J24049	1.0	ND	0.99	10/24/2003	10/24/2003	
rrogate: Decachlorobiphenyl (45-125%)				*67 %*				

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POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water)								
Reporting Units: ug/l								
Aroclor 1016	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1221	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1232	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1242	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1248	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1254	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Aroclor 1260	EPA 3510/8082	3J24049	1.0	ND	1	10/24/2003	10/24/2003	
Surrogate: Decachlorobiphenyl (45-125%)				*70 %*				

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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-3
Arsenic	EPA 6010B-Diss	3J28045	0.010	ND	2	10/28/2003	10/29/2003	RL-3
Barium	EPA 6010B-Diss	3J28045	0.020	**0.26**	2	10/28/2003	10/29/2003	
Beryllium	EPA 6010B-Diss	3J28045	0.0080	ND	2	10/28/2003	10/29/2003	RL-3
Cadmium	EPA 6010B-Diss	3J28045	0.010	**0.21**	2	10/28/2003	10/29/2003	
Chromium	EPA 6010B-Diss	3J28045	0.010	**18**	2	10/28/2003	10/29/2003	
Cobalt	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-3
Copper	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-3
Lead	EPA 6010B-Diss	3J28045	0.010	ND	2	10/28/2003	10/29/2003	RL-3
Mercury	EPA 7470A-Diss	3J29067	0.00020	**0.00095**	1	10/29/2003	10/29/2003	
Molybdenum	EPA 6010B-Diss	3J28045	0.040	ND	2	10/28/2003	10/29/2003	RL-3
Nickel	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-3
Selenium	EPA 6010B-Diss	3J28045	0.010	ND	2	10/28/2003	10/29/2003	RL-3
Silver	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-3
Thallium	EPA 6010B-Diss	3J28045	0.010	**0.023**	2	10/28/2003	10/29/2003	
Tin	EPA 6010B-Diss	3J28045	0.20	ND	2	10/28/2003	10/29/2003	RL-3
Vanadium	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-3
Zinc	EPA 6010B-Diss	3J28045	0.040	ND	2	10/28/2003	10/29/2003	RL-3
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Arsenic	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Barium	EPA 6010B-Diss	3J28045	0.010	**0.11**	1	10/28/2003	10/29/2003	
Beryllium	EPA 6010B-Diss	3J28045	0.0040	ND	1	10/28/2003	10/29/2003	
Cadmium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Chromium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Cobalt	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Copper	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Lead	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Mercury	EPA 7470A-Diss	3J29067	0.00020	ND	1	10/29/2003	10/29/2003	
Molybdenum	EPA 6010B-Diss	3J28045	0.020	ND	1	10/28/2003	10/29/2003	
Nickel	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Selenium	EPA 6010B-Diss	3J28045	0.0050	**0.0085**	1	10/28/2003	10/29/2003	
Silver	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Thallium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Tin	EPA 6010B-Diss	3J28045	0.10	ND	1	10/28/2003	10/29/2003	
Vanadium	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Zinc	EPA 6010B-Diss	3J28045	0.020	ND	1	10/28/2003	10/29/2003	

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-04 (PTI-D1-059 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Arsenic	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Barium	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Beryllium	EPA 6010B-Diss	3J28045	0.0040	ND	1	10/28/2003	10/29/2003	
Cadmium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Chromium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Cobalt	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Copper	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Lead	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Mercury	EPA 7470A-Diss	3J29067	0.00020	ND	1	10/29/2003	10/29/2003	
Molybdenum	EPA 6010B-Diss	3J28045	0.020	ND	1	10/28/2003	10/29/2003	
Nickel	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Selenium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Silver	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Thallium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Tin	EPA 6010B-Diss	3J28045	0.10	ND	1	10/28/2003	10/29/2003	
Vanadium	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Zinc	EPA 6010B-Diss	3J28045	0.020	ND	1	10/28/2003	10/29/2003	
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Arsenic	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Barium	EPA 6010B-Diss	3J28045	0.010	**0.30**	1	10/28/2003	10/29/2003	
Beryllium	EPA 6010B-Diss	3J28045	0.0040	ND	1	10/28/2003	10/29/2003	
Cadmium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Chromium	EPA 6010B-Diss	3J28045	0.0050	**0.33**	1	10/28/2003	10/29/2003	
Cobalt	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Copper	EPA 6010B-Diss	3J28045	0.010	**0.030**	1	10/28/2003	10/29/2003	
Lead	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Mercury	EPA 7470A-Diss	3J29067	0.00020	ND	1	10/29/2003	10/29/2003	
Molybdenum	EPA 6010B-Diss	3J28045	0.020	ND	1	10/28/2003	10/29/2003	
Nickel	EPA 6010B-Diss	3J28045	0.010	**0.016**	1	10/28/2003	10/29/2003	
Selenium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Silver	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Thallium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Tin	EPA 6010B-Diss	3J28045	0.10	ND	1	10/28/2003	10/29/2003	
Vanadium	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Zinc	EPA 6010B-Diss	3J28045	0.020	**0.098**	1	10/28/2003	10/29/2003	

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
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DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Arsenic	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Barium	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Beryllium	EPA 6010B-Diss	3J28045	0.0040	ND	1	10/28/2003	10/29/2003	
Cadmium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Chromium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Cobalt	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Copper	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Lead	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Mercury	EPA 7470A-Diss	3J29067	0.00020	ND	1	10/29/2003	10/29/2003	
Molybdenum	EPA 6010B-Diss	3J28045	0.020	ND	1	10/28/2003	10/29/2003	
Nickel	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Selenium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Silver	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Thallium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Tin	EPA 6010B-Diss	3J28045	0.10	ND	1	10/28/2003	10/29/2003	
Vanadium	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Zinc	EPA 6010B-Diss	3J28045	0.020	ND	1	10/28/2003	10/29/2003	
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-1
Arsenic	EPA 6010B-Diss	3J28045	0.010	**0.015**	2	10/28/2003	10/29/2003	
Barium	EPA 6010B-Diss	3J28045	0.020	**0.44**	2	10/28/2003	10/29/2003	
Beryllium	EPA 6010B-Diss	3J28045	0.0080	ND	2	10/28/2003	10/29/2003	RL-1
Cadmium	EPA 6010B-Diss	3J28045	0.010	**0.24**	2	10/28/2003	10/29/2003	
Chromium	EPA 6010B-Diss	3J28045	0.020	**21**	4	10/28/2003	10/29/2003	
Cobalt	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-1
Copper	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-1
Lead	EPA 6010B-Diss	3J28045	0.010	ND	2	10/28/2003	10/29/2003	RL-1
Mercury	EPA 7470A-Diss	3J29067	0.00020	**0.0014**	1	10/29/2003	10/29/2003	
Molybdenum	EPA 6010B-Diss	3J28045	0.040	ND	2	10/28/2003	10/29/2003	RL-1
Nickel	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-1
Selenium	EPA 6010B-Diss	3J28045	0.010	ND	2	10/28/2003	10/29/2003	RL-1
Silver	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-1
Thallium	EPA 6010B-Diss	3J28045	0.010	ND	2	10/28/2003	10/29/2003	RL-1
Tin	EPA 6010B-Diss	3J28045	0.20	ND	2	10/28/2003	10/29/2003	RL-1
Vanadium	EPA 6010B-Diss	3J28045	0.020	ND	2	10/28/2003	10/29/2003	RL-1
Zinc	EPA 6010B-Diss	3J28045	0.040	**0.046**	2	10/28/2003	10/29/2003	

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DISSOLVED METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water)								
Reporting Units: mg/l								
Antimony	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Arsenic	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Barium	EPA 6010B-Diss	3J28045	0.010	**0.22**	1	10/28/2003	10/29/2003	
Beryllium	EPA 6010B-Diss	3J28045	0.0040	ND	1	10/28/2003	10/29/2003	
Cadmium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Chromium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Cobalt	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Copper	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Lead	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Mercury	EPA 7470A-Diss	3J29067	0.00020	ND	1	10/29/2003	10/29/2003	
Molybdenum	EPA 6010B-Diss	3J28045	0.020	ND	1	10/28/2003	10/29/2003	
Nickel	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Selenium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	10/29/2003	
Silver	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Thallium	EPA 6010B-Diss	3J28045	0.0050	ND	1	10/28/2003	11/3/2003	
Tin	EPA 6010B-Diss	3J28045	0.10	ND	1	10/28/2003	10/29/2003	
Vanadium	EPA 6010B-Diss	3J28045	0.010	ND	1	10/28/2003	10/29/2003	
Zinc	EPA 6010B-Diss	3J28045	0.020	**0.13**	1	10/28/2003	10/29/2003	

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INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J23072	0.40	**21**	400	10/23/2003	10/23/2003	
Total Cyanide	SM4500-CN-C,E	3J24060	0.025	ND	1	10/24/2003	10/25/2003	
Sulfide	EPA 376.2	3J27066	0.10	ND	1	10/27/2003	10/27/2003	
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J23073	NA	**6.74**	1	10/23/2003	10/23/2003	
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J23072	0.0010	ND	1	10/23/2003	10/23/2003	
Total Cyanide	SM4500-CN-C,E	3J24060	0.025	ND	1	10/24/2003	10/25/2003	
Sulfide	EPA 376.2	3J27066	0.10	ND	1	10/27/2003	10/27/2003	
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J23073	NA	**7.31**	1	10/23/2003	10/23/2003	
Sample ID: IMJ1266-04 (PTI-D1-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J23072	0.0010	ND	1	10/23/2003	10/23/2003	
Total Cyanide	SM4500-CN-C,E	3J27053	0.025	ND	1	10/27/2003	10/28/2003	
Sulfide	EPA 376.2	3J28068	0.10	ND	1	10/28/2003	10/28/2003	
Sample ID: IMJ1266-04 (PTI-D1-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J23073	NA	**6.00**	1	10/23/2003	10/23/2003	
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J23072	0.020	**0.99**	20	10/23/2003	10/23/2003	
Total Cyanide	SM4500-CN-C,E	3J27053	0.025	ND	1	10/27/2003	10/28/2003	
Sulfide	EPA 376.2	3J28068	0.10	ND	1	10/28/2003	10/28/2003	
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J23073	NA	**6.71**	1	10/23/2003	10/23/2003	

Del Mar Analytical, Irvine
Betty Mata
Project Manager

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Camp, Dresser & McKee
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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J23072	0.0010	ND	1	10/23/2003	10/23/2003	
Total Cyanide	SM4500-CN-C,E	3J27053	0.025	ND	1	10/27/2003	10/28/2003	
Sulfide	EPA 376.2	3J28068	0.10	ND	1	10/28/2003	10/28/2003	
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J23073	NA	**5.58**	1	10/23/2003	10/23/2003	
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J23072	0.40	**20**	400	10/23/2003	10/23/2003	
Total Cyanide	SM4500-CN-C,E	3J27053	0.025	ND	1	10/27/2003	10/28/2003	
Sulfide	EPA 376.2	3J28068	0.10	ND	1	10/28/2003	10/28/2003	
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J23073	NA	**6.85**	1	10/23/2003	10/23/2003	
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water)								
Reporting Units: mg/l								
Chromium VI	EPA 7199	3J23072	0.0010	ND	1	10/23/2003	10/23/2003	
Total Cyanide	SM4500-CN-C,E	3J27053	0.025	ND	1	10/27/2003	10/28/2003	
Sulfide	EPA 376.2	3J28068	0.10	ND	1	10/28/2003	10/28/2003	
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water)								
Reporting Units: pH Units								
pH	EPA 150.1	3J23073	NA	**7.23**	1	10/23/2003	10/23/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-02 (PTI-MW35-059 - Water)								
Reporting Units: ug/l								
Azinphos methyl	EPA 8141A	3J28021	1.0	ND	1.05	10/28/2003	10/28/2003	
Bolstar	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Chlorpyrifos	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Coumaphos	EPA 8141A	3J28021	1.0	ND	1.05	10/28/2003	10/28/2003	
meton	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
azinon	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Dichlorvos	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
methoate	EPA 8141A	3J28021	1.0	ND	1.05	10/28/2003	10/28/2003	
sulfoton	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Ethion	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Ethoprop	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
N	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
ensulfothion	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Fenthion	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
lathion	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
rphos	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Mevinphos	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
onocrotophos	EPA 8141A	3J28021	2.6	ND	1.05	10/28/2003	10/28/2003	
led	EPA 8141A	3J28021	1.0	ND	1.05	10/28/2003	10/28/2003	
Parathion-ethyl	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Parathion-methyl	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
orate	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
nnel	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Stirophos	EPA 8141A	3J28021	1.0	ND	1.05	10/28/2003	10/28/2003	
fotep	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
ionazin	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Tokuthion (Prothiofos)	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
Trichloronate	EPA 8141A	3J28021	0.52	ND	1.05	10/28/2003	10/28/2003	
rogate: Triphenyl phosphate (10-182%)				*154 %*				

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Project ID: Phibro-Tech, Inc., App. IX
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Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water)								
Reporting Units: ug/l								
Azinphos methyl	EPA 8141A	3J28021	0.95	ND	0.952	10/28/2003	10/28/2003	
Bolstar	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Chlorpyrifos	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Coumaphos	EPA 8141A	3J28021	0.95	ND	0.952	10/28/2003	10/28/2003	
Demeton	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Diazinon	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Dichlorvos	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Dimethoate	EPA 8141A	3J28021	0.95	ND	0.952	10/28/2003	10/28/2003	
Disulfoton	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Ethion	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Ethoprop	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
EPN	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Fensulfothion	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Fenthion	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Malathion	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Merphos	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Mevinphos	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Monocrotophos	EPA 8141A	3J28021	2.4	ND	0.952	10/28/2003	10/28/2003	
Naled	EPA 8141A	3J28021	0.95	ND	0.952	10/28/2003	10/28/2003	
Parathion-ethyl	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Parathion-methyl	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Phorate	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Ronnel	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Stirophos	EPA 8141A	3J28021	0.95	ND	0.952	10/28/2003	10/28/2003	
Sulfotep	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Thionazin	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Tokuthion (Prothiofos)	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Trichloronate	EPA 8141A	3J28021	0.48	ND	0.952	10/28/2003	10/28/2003	
Surrogate: Triphenyl phosphate (10-182%)				*117 %*				

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-04 (PTI-D1-059 - Water)								
Reporting Units: ug/l								
Azinphos methyl	EPA 8141A	3J28021	0.97	ND	0.966	10/28/2003	10/28/2003	
ldstar	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Chlorpyrifos	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Coumaphos	EPA 8141A	3J28021	0.97	ND	0.966	10/28/2003	10/28/2003	
meton	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
azinon	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Dichlorvos	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
methoate	EPA 8141A	3J28021	0.97	ND	0.966	10/28/2003	10/28/2003	
sulfoton	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Ethion	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Ethoprop	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
N	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
nsulfothion	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Fenthion	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
lathion	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
rphos	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Mevinphos	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
nocrotophos	EPA 8141A	3J28021	2.4	ND	0.966	10/28/2003	10/28/2003	
led	EPA 8141A	3J28021	0.97	ND	0.966	10/28/2003	10/28/2003	
Parathion-ethyl	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Parathion-methyl	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
orate	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
nnel	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Stirophos	EPA 8141A	3J28021	0.97	ND	0.966	10/28/2003	10/28/2003	
fotep	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
onazin	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Tokuthion (Prothiofos)	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
Trichloronate	EPA 8141A	3J28021	0.48	ND	0.966	10/28/2003	10/28/2003	
rogate: Triphenyl phosphate (10-182%)				*79.2 %*				

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water)								
Reporting Units: ug/l								
Azinphos methyl	EPA 8141A	3J28021	0.95	ND	0.948	10/28/2003	10/28/2003	
Bolstar	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Chlorpyrifos	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Coumaphos	EPA 8141A	3J28021	0.95	ND	0.948	10/28/2003	10/28/2003	
Demeton	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Diazinon	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Dichlorvos	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Dimethoate	EPA 8141A	3J28021	0.95	ND	0.948	10/28/2003	10/28/2003	
Disulfoton	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Ethion	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Ethoprop	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
EPN	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Fensulfothion	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Fenthion	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Malathion	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Merphos	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Mevinphos	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Monocrotophos	EPA 8141A	3J28021	2.4	ND	0.948	10/28/2003	10/28/2003	
Naled	EPA 8141A	3J28021	0.95	ND	0.948	10/28/2003	10/28/2003	
Parathion-ethyl	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Parathion-methyl	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Phorate	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Ronnel	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Stirophos	EPA 8141A	3J28021	0.95	ND	0.948	10/28/2003	10/28/2003	
Sulfotep	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Thionazin	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Tokuthion (Prothiofos)	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Trichloronate	EPA 8141A	3J28021	0.47	ND	0.948	10/28/2003	10/28/2003	
Surrogate: Triphenyl phosphate (10-182%)				*148 %*				

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water)								
Reporting Units: ug/l								
Azinphos methyl	EPA 8141A	3J28021	0.96	ND	0.957	10/28/2003	10/28/2003	
Bolstar	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Chlorpyrifos	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Coumaphos	EPA 8141A	3J28021	0.96	ND	0.957	10/28/2003	10/28/2003	
Demeton	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Diazinon	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Dichlorvos	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Dimethoate	EPA 8141A	3J28021	0.96	ND	0.957	10/28/2003	10/28/2003	
Disulfoton	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Ethion	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Ethoprop	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
EPN	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Fensulfothion	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Fenthion	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Malathion	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Merphos	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Mevinphos	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Monocrotophos	EPA 8141A	3J28021	2.4	ND	0.957	10/28/2003	10/28/2003	
Naled	EPA 8141A	3J28021	0.96	ND	0.957	10/28/2003	10/28/2003	
Parathion-ethyl	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Parathion-methyl	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Phorate	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Ronnel	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Stirophos	EPA 8141A	3J28021	0.96	ND	0.957	10/28/2003	10/28/2003	
Sulfotep	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Thionazin	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Tokuthion (Prothiofos)	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Trichloronate	EPA 8141A	3J28021	0.48	ND	0.957	10/28/2003	10/28/2003	
Surrogate: Triphenyl phosphate (10-182%)				*95.8 %*				

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Betty Mata
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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water)								
Reporting Units: ug/l								
Azinphos methyl	EPA 8141A	3J28021	1.2	ND	1.18	10/28/2003	10/28/2003	
Bolstar	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Chlorpyrifos	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Coumaphos	EPA 8141A	3J28021	1.2	ND	1.18	10/28/2003	10/28/2003	
Demeton	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Diazinon	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Dichlorvos	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Dimethoate	EPA 8141A	3J28021	1.2	ND	1.18	10/28/2003	10/28/2003	
Disulfoton	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Ethion	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Ethoprop	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
EPN	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Fensulfothion	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Fenthion	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Malathion	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Merphos	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Mevinphos	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Monocrotophos	EPA 8141A	3J28021	2.9	ND	1.18	10/28/2003	10/28/2003	
Naled	EPA 8141A	3J28021	1.2	ND	1.18	10/28/2003	10/28/2003	
Parathion-ethyl	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Parathion-methyl	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Phorate	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Ronnel	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Stirophos	EPA 8141A	3J28021	1.2	ND	1.18	10/28/2003	10/28/2003	
Sulfotep	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Thionazin	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Tokuthion (Prothiofos)	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Trichloronate	EPA 8141A	3J28021	0.59	ND	1.18	10/28/2003	10/28/2003	
Surrogate: Triphenyl phosphate (10-182%)				*159 %*				

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Organophosphorus Pesticides by EPA Method 8141A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water)								
Reporting Units: ug/l								
Azinphos methyl	EPA 8141A	3J28021	1.1	ND	1.05	10/28/2003	10/28/2003	
Bolstar	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Chlorpyrifos	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Coumaphos	EPA 8141A	3J28021	1.1	ND	1.05	10/28/2003	10/28/2003	
Demeton	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Diazinon	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Dichlorvos	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Dimethoate	EPA 8141A	3J28021	1.1	ND	1.05	10/28/2003	10/28/2003	
Disulfoton	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Ethion	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Ethoprop	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
EPN	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Famsulfothion	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Fenthion	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Malathion	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Merphos	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Mevinphos	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Monocrotophos	EPA 8141A	3J28021	2.6	ND	1.05	10/28/2003	10/28/2003	
Naled	EPA 8141A	3J28021	1.1	ND	1.05	10/28/2003	10/28/2003	
Parathion-ethyl	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Parathion-methyl	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Phorate	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Ronnel	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Stirophos	EPA 8141A	3J28021	1.1	ND	1.05	10/28/2003	10/28/2003	
Sulfotep	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Tokuthion (Prothiofos)	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Trichloronate	EPA 8141A	3J28021	0.53	ND	1.05	10/28/2003	10/28/2003	
Surrogate: Triphenyl phosphate (10-182%)				*121 %*				

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Chlorinated Herbicides by EPA Method 8151A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water)								
Reporting Units: ug/l								
2,4-D	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
2,4-DB	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
2,4,5-T	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
2,4,5-TP (Silvex)	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dalapon	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dicamba	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dichloroprop	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dinoseb	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
MCPA	EPA 8151A	3J27019	510	ND	1.02	10/27/2003	10/28/2003	
MCPP	EPA 8151A	3J27019	510	ND	1.02	10/27/2003	10/28/2003	
Surrogate: Dichlorophenylacetic acid (20-119%)				*41.2 %*				
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water)								
Reporting Units: ug/l								
2,4-D	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
2,4-DB	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
2,4,5-T	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
2,4,5-TP (Silvex)	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dalapon	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dicamba	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dichloroprop	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dinoseb	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
MCPA	EPA 8151A	3J27019	510	ND	1.02	10/27/2003	10/28/2003	
MCPP	EPA 8151A	3J27019	510	ND	1.02	10/27/2003	10/28/2003	
Surrogate: Dichlorophenylacetic acid (20-119%)				*42.4 %*				
Sample ID: IMJ1266-04 (PTI-D1-059 - Water)								
Reporting Units: ug/l								
2,4-D	EPA 8151A	3J27019	0.99	ND	0.99	10/27/2003	10/28/2003	
2,4-DB	EPA 8151A	3J27019	0.99	ND	0.99	10/27/2003	10/28/2003	
2,4,5-T	EPA 8151A	3J27019	0.99	ND	0.99	10/27/2003	10/28/2003	
2,4,5-TP (Silvex)	EPA 8151A	3J27019	0.99	ND	0.99	10/27/2003	10/28/2003	
Dalapon	EPA 8151A	3J27019	0.99	ND	0.99	10/27/2003	10/28/2003	
Dicamba	EPA 8151A	3J27019	0.99	ND	0.99	10/27/2003	10/28/2003	
Dichloroprop	EPA 8151A	3J27019	0.99	ND	0.99	10/27/2003	10/28/2003	
Dinoseb	EPA 8151A	3J27019	0.99	ND	0.99	10/27/2003	10/28/2003	
MCPA	EPA 8151A	3J27019	500	ND	0.99	10/27/2003	10/28/2003	
MCPP	EPA 8151A	3J27019	500	ND	0.99	10/27/2003	10/28/2003	
Surrogate: Dichlorophenylacetic acid (20-119%)				*91.1 %*				

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Patty Mata
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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Chlorinated Herbicides by EPA Method 8151A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-05 (PTI-MW145-059 - Water)								
Reporting Units: ug/l								
4-D	EPA 8151A	3J27019	0.95	ND	0.952	10/27/2003	10/28/2003	
-DB	EPA 8151A	3J27019	0.95	ND	0.952	10/27/2003	10/29/2003	
,5-T	EPA 8151A	3J27019	0.95	ND	0.952	10/27/2003	10/28/2003	
2,4,5-TP (Silvex)	EPA 8151A	3J27019	0.95	ND	0.952	10/27/2003	10/28/2003	
lapon	EPA 8151A	3J27019	0.95	ND	0.952	10/27/2003	10/28/2003	
camba	EPA 8151A	3J27019	0.95	ND	0.952	10/27/2003	10/28/2003	
Dichloroprop	EPA 8151A	3J27019	0.95	ND	0.952	10/27/2003	10/28/2003	
noseb	EPA 8151A	3J27019	0.95	ND	0.952	10/27/2003	10/28/2003	
CPA	EPA 8151A	3J27019	480	ND	0.952	10/27/2003	10/28/2003	
MCPP	EPA 8151A	3J27019	480	ND	0.952	10/27/2003	10/28/2003	
Surrogate: Dichlorophenylacetic acid (20-119%)				*70.6 %*				
mple ID: IMJ1266-06 (PTI-EB03-059 - Water)								
Reporting Units: ug/l								
2,4-D	EPA 8151A	3J27019	0.97	ND	0.971	10/27/2003	10/28/2003	
-DB	EPA 8151A	3J27019	0.97	ND	0.971	10/27/2003	10/28/2003	
,5-T	EPA 8151A	3J27019	0.97	ND	0.971	10/27/2003	10/28/2003	
2,4,5-TP (Silvex)	EPA 8151A	3J27019	0.97	ND	0.971	10/27/2003	10/28/2003	
lapon	EPA 8151A	3J27019	0.97	ND	0.971	10/27/2003	10/28/2003	
camba	EPA 8151A	3J27019	0.97	ND	0.971	10/27/2003	10/28/2003	
Dichloroprop	EPA 8151A	3J27019	0.97	ND	0.971	10/27/2003	10/28/2003	
Dinoseb	EPA 8151A	3J27019	0.97	ND	0.971	10/27/2003	10/28/2003	
CPA	EPA 8151A	3J27019	490	ND	0.971	10/27/2003	10/28/2003	
MCPP	EPA 8151A	3J27019	490	ND	0.971	10/27/2003	10/28/2003	
Surrogate: Dichlorophenylacetic acid (20-119%)				*5.76 %*				*S-LIM*
mple ID: IMJ1266-07 (PTI-MW04-059 - Water)								
Reporting Units: ug/l								
2,4-D	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
-DB	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
,5-T	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
2,4,5-TP (Silvex)	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
lapon	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
camba	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dichloroprop	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
Dinoseb	EPA 8151A	3J27019	1.0	ND	1.02	10/27/2003	10/28/2003	
CPA	EPA 8151A	3J27019	510	ND	1.02	10/27/2003	10/28/2003	
MCPP	EPA 8151A	3J27019	510	ND	1.02	10/27/2003	10/28/2003	
Surrogate: Dichlorophenylacetic acid (20-119%)				*31.7 %*				

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Project ID: Phibro-Tech, Inc., App. IX
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Sampled: 10/23/03
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Chlorinated Herbicides by EPA Method 8151A

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water)								
Reporting Units: ug/l								
2,4-D	EPA 8151A	3J27019	1.0	ND	1.01	10/27/2003	10/28/2003	
2,4-DB	EPA 8151A	3J27019	1.0	ND	1.01	10/27/2003	10/28/2003	
2,4,5-T	EPA 8151A	3J27019	1.0	ND	1.01	10/27/2003	10/28/2003	
2,4,5-TP (Silvex)	EPA 8151A	3J27019	1.0	ND	1.01	10/27/2003	10/28/2003	
Dalapon	EPA 8151A	3J27019	1.0	ND	1.01	10/27/2003	10/28/2003	
Dicamba	EPA 8151A	3J27019	1.0	ND	1.01	10/27/2003	10/28/2003	
Dichloroprop	EPA 8151A	3J27019	1.0	ND	1.01	10/27/2003	10/28/2003	
Dinoseb	EPA 8151A	3J27019	1.0	ND	1.01	10/27/2003	10/28/2003	
MCPA	EPA 8151A	3J27019	510	ND	1.01	10/27/2003	10/28/2003	
MCPP	EPA 8151A	3J27019	510	ND	1.01	10/27/2003	10/28/2003	
Surrogate: Dichlorophenylacetic acid (20-119%)				*38.7 %*				

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Camp, Dresser & McKee
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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-02 (PTI-MW35-059 - Water)								
Reporting Units: ug/l								
A enaphthene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
enaphthylene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Acetophenone	EPA 8270C	3100725	10	**120**	1	10/29/2003	11/12/2003	
2-Acetylaminofluorene	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Aminobiphenyl	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
iline	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Anthracene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
amite	EPA 8270C	3100725	200	ND	1	10/29/2003	11/12/2003	
nzo (a) anthracene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Benzo (g,h,i) perylene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
nzo (a) pyrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
nzyl alcohol	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Bis(2-chloroethoxy)methane	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
(2-chloroethyl)ether	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
(2-chloroisopropyl)ether	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Bromophenyl phenyl ether	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
tyl benzyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
4-Chloroaniline	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Chlorobenzilate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Chloro-3-methylphenol	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
hloronaphthalene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Chlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Chlorophenyl phenyl ether	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
rysene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Diallate (cis or trans)	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Dibenz (a,h) anthracene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
enzofuran	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Di-n-butyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,2-Dichlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1 -Dichlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1 -Dichlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
3,3'-Dichlorobenzidine	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
2 '-Dichlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2 -Dichlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Diethyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Dimethylaminoazobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
nethoate	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water) - cont.								
Reporting Units: ug/l								
3,3´-Dimethylbenzidine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
a,a-Dimethylphenethylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,4-Dimethylphenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Dimethyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,3-Dinitrobenzene	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
4,6-Dinitro-2-methylphenol	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
2,4-Dinitrophenol	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
2,4-Dinitrotoluene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,6-Dinitrotoluene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Di-n-octyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Diphenylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Ethyl methacrylate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Ethyl methanesulfonate	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Famphur	EPA 8270C	3100725	200	ND	1	10/29/2003	11/12/2003	
Fluoranthene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Fluorene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachlorobutadiene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachlorocyclopentadiene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachloroethane	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachlorophene	EPA 8270C	3100725	200	ND	1	10/29/2003	11/12/2003	
Hexachloropropene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Isodrin	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Isophorone	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Isosafrole	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Kepone	EPA 8270C	3100725	200	ND	1	10/29/2003	11/12/2003	
Methapyrilene	EPA 8270C	3100725	100	ND	1	10/29/2003	11/12/2003	
3-Methylcholanthrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Methyl methanesulfonate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Methylnaphthalene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Methylphenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
3-Methylphenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
4-Methylphenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Naphthalene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,4-Naphthoquinone	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
1-Naphthylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Naphthylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Nitroaniline	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
3-Nitroaniline	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water) - cont.								
Reporting Units: ug/l								
4-Nitroaniline	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
Nitrobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Nitrophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
4-Nitrophenol	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
N-Nitrosodi-n-butylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosodiethylamine	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
N-Nitrosodimethylamine	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
N-Nitrosodiphenylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosodi-n-propylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosomethylethylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosomorpholine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosopiperidine	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
N-Nitrosopyrrolidine	EPA 8270C	3100725	40	ND	1	10/29/2003	11/12/2003	
5-Nitro-o-toluidine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
4-Nitroquinoline-n-oxide	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
Pentachlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pentachloroethane	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pentachloronitrobenzene	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Pentachlorophenol	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
Phenacetin	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Phenanthrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Phenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
p-Phenylenediamine	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
2-Picoline	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pronamide	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pyrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pyridine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Safrole	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Thionazin	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
o-Toluidine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,2,4-Trichlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,4,5-Trichlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,4,6-Trichlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,3,5-Trinitrobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Surrogate: 2-Fluorophenol (15-103%)				*70 %*				
Surrogate: Phenol-d6 (18-115%)				*79 %*				
Surrogate: Nitrobenzene-d5 (39-103%)				*90 %*				

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Project ID: Phibro-Tech, Inc., App. IX
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Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-02 (PTI-MW35-059 - Water) - cont.								
Reporting Units: ug/l								
Surrogate: 2-Fluorobiphenyl (40-124%)				*82 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)				*97 %*				
Surrogate: Terphenyl-d14 (56-139%)				*40 %*				*S-02*

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water)								
Reporting Units: ug/l								
Acenaphthene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Acenaphthylene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Acetophenone	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Acetylaminofluorene	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
4-Aminobiphenyl	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Aniline	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Azobenzene	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Benzo (a) anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzo (g,h,i) perylene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzo (a) pyrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzyl alcohol	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Bis(2-chloroethoxy)methane	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Bis(2-chloroethyl)ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Bis(2-chloroisopropyl)ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Bromophenyl phenyl ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Butyl benzyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Chloroaniline	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Chlorobenzilate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Chloro-3-methylphenol	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
2-Chloronaphthalene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Chlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Chlorophenyl phenyl ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Chrysene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Diallate (cis or trans)	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dibenz (a,h) anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dibenzofuran	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Di-n-butyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,2-Dichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,3-Dichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,4-Dichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
3,3'-Dichlorobenzidine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
2,4-Dichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,6-Dichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Diethyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dimethylaminoazobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dimethoate	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Sample ID: IMJ1266-03 (PTI-MW07-059 - Water) - cont.

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
3,3´-Dimethylbenzidine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
a,a-Dimethylphenethylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,4-Dimethylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dimethyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,3-Dinitrobenzene	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
4,6-Dinitro-2-methylphenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
2,4-Dinitrophenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
2,4-Dinitrotoluene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,6-Dinitrotoluene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Di-n-octyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Diphenylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Ethyl methacrylate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Ethyl methanesulfonate	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Famphur	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Fluoranthene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Fluorene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorobutadiene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorocyclopentadiene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachloroethane	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorophene	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Hexachloropropene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Isodrin	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Isophorone	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Isosafrole	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Kepone	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Methapyrilene	EPA 8270C	3100725	99	ND	0.99	10/29/2003	11/12/2003	
3-Methylcholanthrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Methyl methanesulfonate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Methylnaphthalene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Methylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
3-Methylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Methylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Naphthalene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,4-Naphthoquinone	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
1-Naphthylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Naphthylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Nitroaniline	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
3-Nitroaniline	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
PTI
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Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-03 (PTI-MW07-059 - Water) - cont.								
Reporting Units: ug/l								
4-Nitroaniline	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
trobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Nitrophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Nitrophenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
Nitrosodi-n-butylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Nitrosodiethylamine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosodimethylamine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Nitrosodiphenylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Nitrosodi-n-propylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosomethylethylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosomorpholine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Nitrosopiperidine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Nitrosopyrrolidine	EPA 8270C	3100725	40	ND	0.99	10/29/2003	11/12/2003	
5-Nitro-o-toluidine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
itroquinoline-n-oxide	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
tachlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Pentachloroethane	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
ntachloronitrobenzene	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
tachlorophenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
henacetin	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Phenanthrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
enol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
-Phenylenediamine	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
2-Picoline	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
namide	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
ene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Pyridine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Safrole	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
,4,5-Tetrachlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Thionazin	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
oluidine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Trichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,4,5-Trichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2 ,6-Trichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
),O-Triethyl phosphorothioate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,3,5-Trinitrobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Surrogate: 2-Fluorophenol (15-103%)				*64 %*				
rogate: Phenol-d6 (18-115%)				*72 %*				
rogate: Nitrobenzene-d5 (39-103%)				*85 %*				

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-03 (PTI-MW07-059 - Water) - cont.								
Reporting Units: ug/l								
Surrogate: 2-Fluorobiphenyl (40-124%)				*79 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)				*89 %*				
Surrogate: Terphenyl-d14 (56-139%)				*46 %*				*S-LIM*

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Report Number: IMJ1266

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Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-04 (PTI-D1-059 - Water)								
Reporting Units: ug/l								
enaphthene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
enaphthylene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Acetophenone	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Acetylaminofluorene	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Aminobiphenyl	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
iline	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
amite	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
nzo (a) anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
nzo (g,h,i) perylene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
nzo (a) pyrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzyl alcohol	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Bis(2-chloroethoxy)methane	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
(2-chloroethyl)ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
(2-chloroisopropyl)ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Bromophenyl phenyl ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
tyl benzyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Chloroaniline	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Chlorobenzilate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
hloro-3-methylphenol	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
hloronaphthalene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Chlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
hlorophenyl phenyl ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
rysene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Diallate (cis or trans)	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
benz (a,h) anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
enzofuran	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Di-n-butyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,2-Dichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
-Dichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
-Dichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
3,3'-Dichlorobenzidine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
-Dichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
-Dichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Diethyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dimethylaminoazobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
nethoate	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-04 (PTI-D1-059 - Water) - cont.								
Reporting Units: ug/l								
3,3´-Dimethylbenzidine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
a,a-Dimethylphenethylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,4-Dimethylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dimethyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,3-Dinitrobenzene	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
4,6-Dinitro-2-methylphenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
2,4-Dinitrophenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
2,4-Dinitrotoluene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,6-Dinitrotoluene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Di-n-octyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Diphenylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Ethyl methacrylate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Ethyl methanesulfonate	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Famphur	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Fluoranthene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Fluorene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorobutadiene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorocyclopentadiene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachloroethane	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorophene	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Hexachloropropene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Isodrin	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Isophorone	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Isosafrole	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Kepone	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Methapyrilene	EPA 8270C	3100725	99	ND	0.99	10/29/2003	11/12/2003	
3-Methylcholanthrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Methyl methanesulfonate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Methylnaphthalene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Methylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
3-Methylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Methylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Naphthalene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,4-Naphthoquinone	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
1-Naphthylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Naphthylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Nitroaniline	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
3-Nitroaniline	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-04 (PTI-D1-059 - Water) - cont.								
Reporting Units: ug/l								
4-Nitroaniline	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
Nitrobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Nitrophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Nitrophenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosodi-n-butylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosodiethylamine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosodimethylamine	EPA 8270C	3100725	20	**39**	0.99	10/29/2003	11/12/2003	
N-Nitrosodiphenylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosodi-n-propylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosomethylethylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosomorpholine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosopiperidine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosopyrrolidine	EPA 8270C	3100725	40	ND	0.99	10/29/2003	11/12/2003	
5-Nitro-o-toluidine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Nitroquinoline-n-oxide	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
Pentachlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Pentachloroethane	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Pentachloronitrobenzene	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Pentachlorophenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
Phenacetin	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Phenanthrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Phenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
p-Phenylenediamine	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
2-Picoline	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Pronamide	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Pyrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Pyridine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Safrole	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Thionazin	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
o-Toluidine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,2,4-Trichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,4,5-Trichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,4,6-Trichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,3,5-Trinitrobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Surrogate: 2-Fluorophenol (15-103%)				*62 %*				
Surrogate: Phenol-d6 (18-115%)				*77 %*				
Surrogate: Nitrobenzene-d5 (39-103%)				*91 %*				

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Project ID: Phibro-Tech, Inc., App. IX
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Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-04 (PTI-D1-059 - Water) - cont.								
Reporting Units: ug/l								
Surrogate: 2-Fluorobiphenyl (40-124%)				*83 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)				*87 %*				
Surrogate: Terphenyl-d14 (56-139%)				*86 %*				

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-05 (PTI-MW145-059 - Water)								
Reporting Units: ug/l								
enaphthene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
enaphthylene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Acetophenone	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2-Acetylaminofluorene	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
Aminobiphenyl	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
iline	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Anthracene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
amite	EPA 8270C	3100725	190	ND	0.962	10/29/2003	11/12/2003	
nzo (a) anthracene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Benzo (g,h,i) perylene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
nzo (a) pyrene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Benzyl alcohol	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
Bis(2-chloroethoxy)methane	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
s(2-chloroethyl)ether	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
s(2-chloroisopropyl)ether	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Bromophenyl phenyl ether	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
tyl benzyl phthalate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
4-Chloroaniline	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
Chlorobenzilate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Chloro-3-methylphenol	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
Chloronaphthalene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2-Chlorophenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Chlorophenyl phenyl ether	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
rysene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Diallate (cis or trans)	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Dibenz (a,h) anthracene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
enzofuran	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Di-n-butyl phthalate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
1,2-Dichlorobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
-Dichlorobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
-Dichlorobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
3,3'-Dichlorobenzidine	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
'-Dichlorophenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
-Dichlorophenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Diethyl phthalate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Dimethylaminoazobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
nethoate	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water) - cont.								
Reporting Units: ug/l								
3,3´-Dimethylbenzidine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
a,a-Dimethylphenethylamine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2,4-Dimethylphenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Dimethyl phthalate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
1,3-Dinitrobenzene	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
4,6-Dinitro-2-methylphenol	EPA 8270C	3100725	48	ND	0.962	10/29/2003	11/12/2003	
2,4-Dinitrophenol	EPA 8270C	3100725	48	ND	0.962	10/29/2003	11/12/2003	
2,4-Dinitrotoluene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2,6-Dinitrotoluene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Di-n-octyl phthalate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Diphenylamine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Ethyl methacrylate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Ethyl methanesulfonate	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
Famphur	EPA 8270C	3100725	190	ND	0.962	10/29/2003	11/12/2003	
Fluoranthene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Fluorene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Hexachlorobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Hexachlorobutadiene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Hexachlorocyclopentadiene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Hexachloroethane	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Hexachlorophene	EPA 8270C	3100725	190	ND	0.962	10/29/2003	11/12/2003	
Hexachloropropene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Isodrin	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
Isophorone	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Isosafrole	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Kepone	EPA 8270C	3100725	190	ND	0.962	10/29/2003	11/12/2003	
Methapyrilene	EPA 8270C	3100725	96	ND	0.962	10/29/2003	11/12/2003	
3-Methylcholanthrene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Methyl methanesulfonate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2-Methylnaphthalene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2-Methylphenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
3-Methylphenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
4-Methylphenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Naphthalene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
1,4-Naphthoquinone	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
1-Naphthylamine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2-Naphthylamine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2-Nitroaniline	EPA 8270C	3100725	48	ND	0.962	10/29/2003	11/12/2003	
3-Nitroaniline	EPA 8270C	3100725	48	ND	0.962	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water) - cont.								
Reporting Units: ug/l								
4-Nitroaniline	EPA 8270C	3100725	48	ND	0.962	10/29/2003	11/12/2003	
Nitrobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2-Nitrophenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
4-Nitrophenol	EPA 8270C	3100725	48	ND	0.962	10/29/2003	11/12/2003	
N-Nitrosodi-n-butylamine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
N-Nitrosodiethylamine	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
N-Nitrosodimethylamine	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
N-Nitrosodiphenylamine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
N-Nitrosodi-n-propylamine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
N-Nitrosomethylethylamine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
N-Nitrosomorpholine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
N-Nitrosopiperidine	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
N-Nitrosopyrrolidine	EPA 8270C	3100725	38	ND	0.962	10/29/2003	11/12/2003	
5-Nitro-o-toluidine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
4-Nitroquinoline-n-oxide	EPA 8270C	3100725	48	ND	0.962	10/29/2003	11/12/2003	
Pentachlorobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Pentachloroethane	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Pentachloronitrobenzene	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
Pentachlorophenol	EPA 8270C	3100725	48	ND	0.962	10/29/2003	11/12/2003	
Phenacetin	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
Phenanthrene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Phenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
p-Phenylenediamine	EPA 8270C	3100725	48	ND	0.962	10/29/2003	11/12/2003	
2-Picoline	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Pronamide	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Pyrene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Pyridine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Safrole	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Thionazin	EPA 8270C	3100725	19	ND	0.962	10/29/2003	11/12/2003	
o-Toluidine	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
1,2,4-Trichlorobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2,4,5-Trichlorophenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
2,4,6-Trichlorophenol	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
1,3,5-Trinitrobenzene	EPA 8270C	3100725	9.6	ND	0.962	10/29/2003	11/12/2003	
Surrogate: 2-Fluorophenol (15-103%)				*41 %*				
Surrogate: Phenol-d6 (18-115%)				*67 %*				
Surrogate: Nitrobenzene-d5 (39-103%)				*72 %*				

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Camp, Dresser & McKee
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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-05 (PTI-MW145-059 - Water) - cont.								
Reporting Units: ug/l								
Surrogate: 2-Fluorobiphenyl (40-124%)				*72 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)				*90 %*				
Surrogate: Terphenyl-d14 (56-139%)				*51 %*				*S-02*

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water)								
Reporting Units: ug/l								
Acenaphthene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Acenaphthylene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Acetophenone	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2-Acetylaminofluorene	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
4-Aminobiphenyl	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
Aniline	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Anthracene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Azobenzene	EPA 8270C	3100725	190	ND	0.952	10/29/2003	11/12/2003	
Benzo (a) anthracene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Benzo (g,h,i) perylene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Benzo (a) pyrene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Benzyl alcohol	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
Bis(2-chloroethoxy)methane	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Bis(2-chloroethyl)ether	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Bis(2-chloroisopropyl)ether	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
4-Bromophenyl phenyl ether	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Butyl benzyl phthalate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
4-Chloroaniline	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
Chlorobenzilate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
4-Chloro-3-methylphenol	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
2-Chloronaphthalene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2-Chlorophenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
4-Chlorophenyl phenyl ether	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Chrysene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Diallate (cis or trans)	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Dibenz (a,h) anthracene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Dibenzofuran	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Di-n-butyl phthalate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
1,2-Dichlorobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
1,3-Dichlorobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
1,4-Dichlorobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
3,3'-Dichlorobenzidine	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
2,4-Dichlorophenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2,6-Dichlorophenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Diethyl phthalate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Dimethylaminoazobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Dimethoate	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water) - cont.								
Reporting Units: ug/l								
3,3´-Dimethylbenzidine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
a,a-Dimethylphenethylamine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2,4-Dimethylphenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Dimethyl phthalate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
1,3-Dinitrobenzene	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
4,6-Dinitro-2-methylphenol	EPA 8270C	3100725	48	ND	0.952	10/29/2003	11/12/2003	
2,4-Dinitrophenol	EPA 8270C	3100725	48	ND	0.952	10/29/2003	11/12/2003	
2,4-Dinitrotoluene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2,6-Dinitrotoluene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Di-n-octyl phthalate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Diphenylamine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Ethyl methacrylate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Ethyl methanesulfonate	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
Famphur	EPA 8270C	3100725	190	ND	0.952	10/29/2003	11/12/2003	
Fluoranthene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Fluorene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Hexachlorobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Hexachlorobutadiene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Hexachlorocyclopentadiene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Hexachloroethane	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Hexachlorophene	EPA 8270C	3100725	190	ND	0.952	10/29/2003	11/12/2003	
Hexachloropropene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Isodrin	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
Isophorone	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Isosafrole	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Kepone	EPA 8270C	3100725	190	ND	0.952	10/29/2003	11/12/2003	
Methapyrilene	EPA 8270C	3100725	95	ND	0.952	10/29/2003	11/12/2003	
3-Methylcholanthrene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Methyl methanesulfonate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2-Methylnaphthalene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2-Methylphenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
3-Methylphenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
4-Methylphenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Naphthalene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
1,4-Naphthoquinone	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
1-Naphthylamine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2-Naphthylamine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2-Nitroaniline	EPA 8270C	3100725	48	ND	0.952	10/29/2003	11/12/2003	
3-Nitroaniline	EPA 8270C	3100725	48	ND	0.952	10/29/2003	11/12/2003	

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water) - cont.								
Reporting Units: ug/l								
4-Nitroaniline	EPA 8270C	3100725	48	ND	0.952	10/29/2003	11/12/2003	
Nitrobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2-Nitrophenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
4-Nitrophenol	EPA 8270C	3100725	48	ND	0.952	10/29/2003	11/12/2003	
N-Nitrosodi-n-butylamine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
N-Nitrosodiethylamine	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
N-Nitrosodimethylamine	EPA 8270C	3100725	19	**33**	0.952	10/29/2003	11/12/2003	
N-Nitrosodiphenylamine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
N-Nitrosodi-n-propylamine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
N-Nitrosomethylethylamine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
N-Nitrosomorpholine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
N-Nitrosopiperidine	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
N-Nitrosopyrrolidine	EPA 8270C	3100725	38	ND	0.952	10/29/2003	11/12/2003	
5-Nitro-o-toluidine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Nitroquinoline-n-oxide	EPA 8270C	3100725	48	ND	0.952	10/29/2003	11/12/2003	
Pentachlorobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Pentachloroethane	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Pentachloronitrobenzene	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
Pentachlorophenol	EPA 8270C	3100725	48	ND	0.952	10/29/2003	11/12/2003	
Phenacetin	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
Phenanthrene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Phenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
p-Phenylenediamine	EPA 8270C	3100725	48	ND	0.952	10/29/2003	11/12/2003	
2-Picoline	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Pronamide	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Pyrene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Pyridine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Safrole	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Thionazin	EPA 8270C	3100725	19	ND	0.952	10/29/2003	11/12/2003	
o-Toluidine	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
1,2,4-Trichlorobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2,4,5-Trichlorophenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
2,4,6-Trichlorophenol	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
1,3,5-Trinitrobenzene	EPA 8270C	3100725	9.5	ND	0.952	10/29/2003	11/12/2003	
Surrogate: 2-Fluorophenol (15-103%)				*52 %*				
Surrogate: Phenol-d6 (18-115%)				*68 %*				
Surrogate: Nitrobenzene-d5 (39-103%)				*82 %*				

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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-06 (PTI-EB03-059 - Water) - cont.								
Reporting Units: ug/l								
Surrogate: 2-Fluorobiphenyl (40-124%)				*77 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)				*80 %*				
Surrogate: Terphenyl-d14 (56-139%)				*89 %*				

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Project ID: Phibro-Tech, Inc., App. IX
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Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-07 (PTI-MW04-059 - Water)								
Reporting Units: ug/l								
cenaphthene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
enaphthylene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Acetophenone	EPA 8270C	3100725	10	**130**	1	10/29/2003	11/12/2003	
2-Acetylaminofluorene	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Aminobiphenyl	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
iline	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Anthracene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
amite	EPA 8270C	3100725	200	ND	1	10/29/2003	11/12/2003	
nzo (a) anthracene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Benzo (g,h,i) perylene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
nzo (a) pyrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Benzyl alcohol	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Bis(2-chloroethoxy)methane	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
s(2-chloroethyl)ether	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
(2-chloroisopropyl)ether	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Bromophenyl phenyl ether	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
tyl benzyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
4-Chloroaniline	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Chlorobenzilate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Chloro-3-methylphenol	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Chloronaphthalene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Chlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Chlorophenyl phenyl ether	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
rysene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Diallate (cis or trans)	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Dibenz (a,h) anthracene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
benzofuran	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Di-n-butyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,2-Dichlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
-Dichlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
-Dichlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
3,3'-Dichlorobenzidine	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
2 '-Dichlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2 -Dichlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Diethyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Dimethylaminoazobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
nethoate	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water) - cont.								
Reporting Units: ug/l								
3,3´-Dimethylbenzidine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
a,a-Dimethylphenethylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,4-Dimethylphenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Dimethyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,3-Dinitrobenzene	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
4,6-Dinitro-2-methylphenol	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
2,4-Dinitrophenol	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
2,4-Dinitrotoluene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,6-Dinitrotoluene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Di-n-octyl phthalate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Diphenylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Ethyl methacrylate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Ethyl methanesulfonate	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Famphur	EPA 8270C	3100725	200	ND	1	10/29/2003	11/12/2003	
Fluoranthene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Fluorene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachlorobutadiene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachlorocyclopentadiene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachloroethane	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Hexachlorophene	EPA 8270C	3100725	200	ND	1	10/29/2003	11/12/2003	
Hexachloropropene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Isodrin	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Isophorone	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Isosafrole	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Kepone	EPA 8270C	3100725	200	ND	1	10/29/2003	11/12/2003	
Methapyrilene	EPA 8270C	3100725	100	ND	1	10/29/2003	11/12/2003	
3-Methylcholanthrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Methyl methanesulfonate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Methylnaphthalene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Methylphenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
3-Methylphenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
4-Methylphenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Naphthalene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,4-Naphthoquinone	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
1-Naphthylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Naphthylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Nitroaniline	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
3-Nitroaniline	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
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Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water) - cont.								
Reporting Units: ug/l								
4-Nitroaniline	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
Nitrobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2-Nitrophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
4-Nitrophenol	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
N-Nitrosodi-n-butylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosodiethylamine	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
N-Nitrosodimethylamine	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
N-Nitrosodiphenylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosodi-n-propylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosomethylethylamine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosomorpholine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
N-Nitrosopiperidine	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
N-Nitrosopyrrolidine	EPA 8270C	3100725	40	ND	1	10/29/2003	11/12/2003	
5-Nitro-o-toluidine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
4-Nitroquinoline-n-oxide	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
Pentachlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pentachloroethane	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pentachloronitrobenzene	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Pentachlorophenol	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
Phenacetin	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
Phenanthrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Phenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
p-Phenylenediamine	EPA 8270C	3100725	50	ND	1	10/29/2003	11/12/2003	
2-Picoline	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pronamide	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pyrene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Pyridine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Safrole	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,2,4,5-Tetrachlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Thionazin	EPA 8270C	3100725	20	ND	1	10/29/2003	11/12/2003	
o-Toluidine	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,2,4-Trichlorobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,4,5-Trichlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
2,4,6-Trichlorophenol	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
1,3,5-Trinitrobenzene	EPA 8270C	3100725	10	ND	1	10/29/2003	11/12/2003	
Surrogate: 2-Fluorophenol (15-103%)				*38 %*				
Surrogate: Phenol-d6 (18-115%)				*73 %*				
Surrogate: Nitrobenzene-d5 (39-103%)				*91 %*				

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Project ID: Phibro-Tech, Inc., App. IX
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Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-07 (PTI-MW04-059 - Water) - cont.								
Reporting Units: ug/l								
Surrogate: 2-Fluorobiphenyl (40-124%)				*86 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)				*86 %*				
Surrogate: Terphenyl-d14 (56-139%)				*70 %*				

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water)								
Reporting Units: ug/l								
Acenaphthene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Acenaphthylene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Acetophenone	EPA 8270C	3100725	9.9	**29**	0.99	10/29/2003	11/12/2003	
2-Acetylaminofluorene	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
4-Aminobiphenyl	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Aniline	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Azobenzene	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Benzo (a) anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzo (b+k) fluoranthene (total)	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzo (g,h,i) perylene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzo (a) pyrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Benzyl alcohol	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Bis(2-chloroethoxy)methane	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Bis(2-chloroethyl)ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Bis(2-chloroisopropyl)ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Bis(2-ethylhexyl)phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Bromophenyl phenyl ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Butyl benzyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Chloroaniline	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Chlorobenzilate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Chloro-3-methylphenol	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
2-Chloronaphthalene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Chlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Chlorophenyl phenyl ether	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Chrysene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Diallate (cis or trans)	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dibenz (a,h) anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dibenzofuran	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Di-n-butyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,2-Dichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,3-Dichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,4-Dichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
3,3'-Dichlorobenzidine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
2,4-Dichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,6-Dichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Diethyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dimethylaminoazobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dimethoate	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
7,12-Dimethylbenz (a) anthracene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water) - cont.								
Reporting Units: ug/l								
3,3´-Dimethylbenzidine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
a,a-Dimethylphenethylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,4-Dimethylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Dimethyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,3-Dinitrobenzene	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
4,6-Dinitro-2-methylphenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
2,4-Dinitrophenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
2,4-Dinitrotoluene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,6-Dinitrotoluene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Di-n-octyl phthalate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Diphenylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Ethyl methacrylate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Ethyl methanesulfonate	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Famphur	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Fluoranthene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Fluorene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorobutadiene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorocyclopentadiene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachloroethane	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Hexachlorophene	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Hexachloropropene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Indeno (1,2,3-cd) pyrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Isodrin	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Isophorone	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Isosafrole	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Kepone	EPA 8270C	3100725	200	ND	0.99	10/29/2003	11/12/2003	
Methapyrilene	EPA 8270C	3100725	99	ND	0.99	10/29/2003	11/12/2003	
3-Methylcholanthrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Methyl methanesulfonate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Methylnaphthalene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Methylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
3-Methylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Methylphenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Naphthalene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,4-Naphthoquinone	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
1-Naphthylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Naphthylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Nitroaniline	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
3-Nitroaniline	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	

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Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
mple ID: IMJ1266-08 (PTI-MW11-059 - Water) - cont.								
Reporting Units: ug/l								
4-Nitroaniline	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
I trobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2-Nitrophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4-Nitrophenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
I Nitrosodi-n-butylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosodiethylamine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosodimethylamine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
N Nitrosodiphenylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N Nitrosodi-n-propylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosomethylethylamine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosomorpholine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
N Nitrosopiperidine	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
N-Nitrosopyrrolidine	EPA 8270C	3100725	40	ND	0.99	10/29/2003	11/12/2003	
5-Nitro-o-toluidine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
4 Nitroquinoline-n-oxide	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
Pentachlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Pentachloroethane	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
P ntachloronitrobenzene	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
P ntachlorophenol	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
Phenacetin	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
Phenanthrene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
P enol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1 -Phenylenediamine	EPA 8270C	3100725	50	ND	0.99	10/29/2003	11/12/2003	
2-Picoline	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
P namide	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
P ene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Pyridine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
S frole	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1 ,4,5-Tetrachlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,3,4,6-Tetrachlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Thionazin	EPA 8270C	3100725	20	ND	0.99	10/29/2003	11/12/2003	
o oluidine	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1 ,4-Trichlorobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2,4,5-Trichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
2 ,6-Trichlorophenol	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
O,O,O-Triethyl phosphorothioate	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
1,3,5-Trinitrobenzene	EPA 8270C	3100725	9.9	ND	0.99	10/29/2003	11/12/2003	
Surrogate: 2-Fluorophenol (15-103%)				*37 %*				
S rogate: Phenol-d6 (18-115%)				*59 %*				
Surrogate: Nitrobenzene-d5 (39-103%)				*69 %*				

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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IMJ1266-08 (PTI-MW11-059 - Water) - cont.								
Reporting Units: ug/l								
Surrogate: 2-Fluorobiphenyl (40-124%)				*73 %*				
Surrogate: 2,4,6-Tribromophenol (11-142%)				*82 %*				
Surrogate: Terphenyl-d14 (56-139%)				*60 %*				

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PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: PTI-MW35-059 (IMJ1266-02) - Water					
EPA 150.1	1	10/23/2003 07:30	10/23/2003 12:45	10/23/2003 14:28	10/23/2003 15:30
EPA 7199	1	10/23/2003 07:30	10/23/2003 12:45	10/23/2003 15:00	10/23/2003 17:00
Sample ID: PTI-MW07-059 (IMJ1266-03) - Water					
EPA 150.1	1	10/23/2003 08:00	10/23/2003 12:45	10/23/2003 14:28	10/23/2003 15:30
EPA 7199	1	10/23/2003 08:00	10/23/2003 12:45	10/23/2003 15:00	10/23/2003 16:02
Sample ID: PTI-D1-059 (IMJ1266-04) - Water					
EPA 150.1	1	10/23/2003 08:30	10/23/2003 12:45	10/23/2003 14:28	10/23/2003 15:30
EPA 7199	1	10/23/2003 08:30	10/23/2003 12:45	10/23/2003 15:00	10/23/2003 16:12
Sample ID: PTI-MW145-059 (IMJ1266-05) - Water					
EPA 150.1	1	10/23/2003 08:55	10/23/2003 12:45	10/23/2003 14:28	10/23/2003 15:30
EPA 7199	1	10/23/2003 08:55	10/23/2003 12:45	10/23/2003 15:00	10/23/2003 17:09
Sample ID: PTI-EB03-059 (IMJ1266-06) - Water					
EPA 150.1	1	10/23/2003 09:30	10/23/2003 12:45	10/23/2003 14:28	10/23/2003 15:30
EPA 7199	1	10/23/2003 09:30	10/23/2003 12:45	10/23/2003 15:00	10/23/2003 16:40
Sample ID: PTI-MW04-059 (IMJ1266-07) - Water					
EPA 150.1	1	10/23/2003 10:00	10/23/2003 12:45	10/23/2003 14:28	10/23/2003 15:30
EPA 7199	1	10/23/2003 10:00	10/23/2003 12:45	10/23/2003 15:00	10/23/2003 17:19
Sample ID: PTI-MW11-059 (IMJ1266-08) - Water					
EPA 150.1	1	10/23/2003 11:20	10/23/2003 12:45	10/23/2003 14:28	10/23/2003 15:30
EPA 7199	1	10/23/2003 11:20	10/23/2003 12:45	10/23/2003 15:00	10/23/2003 16:50

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Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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: 3J28014 Extracted: 10/28/03										
Blank Analyzed: 10/28/03 (3J28014-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	2.0	ug/l							
Acetonitrile	ND	20	ug/l							
Allyl Chloride	ND	1.0	ug/l							
Ethyl Methacrylate	ND	2.0	ug/l							
Methyl Methacrylate	ND	2.0	ug/l							
Bromodichloromethane	ND	2.0	ug/l							
Propionitrile	ND	20	ug/l							
Isobutanol (2-Methyl-1-Propanol)	ND	20	ug/l							
2-Chloro-1,3-butadiene	ND	1.0	ug/l							
Methyl Acrylonitrile	ND	2.0	ug/l							
Bromoform	ND	5.0	ug/l							
Bromomethane	ND	5.0	ug/l							
2-Butanone (MEK)	ND	10	ug/l							
Carbon Disulfide	ND	5.0	ug/l							
Carbon tetrachloride	ND	5.0	ug/l							
Chlorobenzene	ND	2.0	ug/l							
Chloroethane	ND	5.0	ug/l							
Chloroform	ND	2.0	ug/l							
Chloromethane	ND	5.0	ug/l							
Dibromochloromethane	ND	2.0	ug/l							
Dibromomethane	ND	2.0	ug/l							
1,2-Dichlorobenzene	ND	2.0	ug/l							
1,3-Dichlorobenzene	ND	2.0	ug/l							
1,4-Dichlorobenzene	ND	2.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	2.0	ug/l							
1,2-Dichloroethane	ND	2.0	ug/l							
1,1-Dichloroethene	ND	5.0	ug/l							
cis-1,2-Dichloroethene	ND	2.0	ug/l							
trans-1,2-Dichloroethene	ND	2.0	ug/l							
1,2-Dichloropropane	ND	2.0	ug/l							
cis-1,3-Dichloropropene	ND	2.0	ug/l							
trans-1,3-Dichloropropene	ND	2.0	ug/l							
Ethylbenzene	ND	2.0	ug/l							

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Sampled: 10/23/03
Received: 10/23/03

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: 3J28014 Extracted: 10/28/03										
Blank Analyzed: 10/28/03 (3J28014-BLK1)										
2-Hexanone	ND	10	ug/l							
Iodomethane	ND	2.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	ug/l							
Styrene	ND	2.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/l							
Tetrachloroethene	ND	2.0	ug/l							
Toluene	ND	2.0	ug/l							
1,1,1-Trichloroethane	ND	2.0	ug/l							
1,1,2-Trichloroethane	ND	2.0	ug/l							
Trichloroethene	ND	2.0	ug/l							
Trichlorofluoromethane	ND	5.0	ug/l							
Vinyl acetate	ND	5.0	ug/l							
Vinyl chloride	ND	5.0	ug/l							
o-Xylene	ND	2.0	ug/l							
m,p-Xylenes	ND	2.0	ug/l							
trans-1,4-Dichloro-2-butene	ND	10	ug/l							
Surrogate: Dibromofluoromethane	*27.3*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.4*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.0*		*ug/l*	*25.0*		*104*	*80-120*			
LCS Analyzed: 10/28/03 (3J28014-BS1)										
Acetone	24.1	10	ug/l	25.0		96	25-120			
Benzene	24.3	2.0	ug/l	25.0		97	70-120			
Bromodichloromethane	28.5	2.0	ug/l	25.0		114	70-140			
Bromoform	31.6	5.0	ug/l	25.0		126	50-135			
Bromomethane	28.9	5.0	ug/l	25.0		116	60-140			
2-Butanone (MEK)	26.5	10	ug/l	25.0		106	40-135			
Carbon tetrachloride	29.9	5.0	ug/l	25.0		120	70-140			
Chlorobenzene	25.4	2.0	ug/l	25.0		102	80-125			
Chloroethane	28.9	5.0	ug/l	25.0		116	60-145			
Chloroform	27.4	2.0	ug/l	25.0		110	70-130			
Chloromethane	24.9	5.0	ug/l	25.0		100	40-145			
Dibromochloromethane	28.9	2.0	ug/l	25.0		116	65-145			

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Camp, Dresser & McKee
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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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: 3J28014 Extracted: 10/28/03										
LCS Analyzed: 10/28/03 (3J28014-BS1)										
Dibromomethane	28.0	2.0	ug/l	25.0		112	70-130			
1,2-Dichlorobenzene	26.3	2.0	ug/l	25.0		105	75-120			
1,3-Dichlorobenzene	25.2	2.0	ug/l	25.0		101	75-120			
1,4-Dichlorobenzene	25.0	2.0	ug/l	25.0		100	80-120			
Dichlorodifluoromethane	29.2	5.0	ug/l	25.0		117	10-160			
1,1-Dichloroethane	25.1	2.0	ug/l	25.0		100	70-135			
1,2-Dichloroethane	29.8	2.0	ug/l	25.0		119	60-150			
1,1-Dichloroethene	26.7	5.0	ug/l	25.0		107	75-140			
cis-1,2-Dichloroethene	25.4	2.0	ug/l	25.0		102	65-125			
trans-1,2-Dichloroethene	25.8	2.0	ug/l	25.0		103	65-130			
1,2-Dichloropropane	24.2	2.0	ug/l	25.0		97	65-120			
cis-1,3-Dichloropropene	27.0	2.0	ug/l	25.0		108	70-130			
trans-1,3-Dichloropropene	28.6	2.0	ug/l	25.0		114	75-135			
Ethylbenzene	26.6	2.0	ug/l	25.0		106	80-120			
2-Hexanone	27.0	10	ug/l	25.0		108	40-135			
Methylene chloride	25.6	5.0	ug/l	25.0		102	60-135			
4-Methyl-2-pentanone (MIBK)	28.4	10	ug/l	25.0		114	40-135			
Styrene	27.8	2.0	ug/l	25.0		111	80-135			
1,1,1,2-Tetrachloroethane	28.3	5.0	ug/l	25.0		113	70-145			
1,1,2,2-Tetrachloroethane	24.5	2.0	ug/l	25.0		98	60-135			
Tetrachloroethene	26.8	2.0	ug/l	25.0		107	75-125			
Toluene	25.5	2.0	ug/l	25.0		102	70-120			
1,1,1-Trichloroethane	28.6	2.0	ug/l	25.0		114	75-140			
1,1,2-Trichloroethane	26.5	2.0	ug/l	25.0		106	65-125			
Trichloroethene	27.2	2.0	ug/l	25.0		109	75-120			
Trichlorofluoromethane	30.2	5.0	ug/l	25.0		121	60-145			
Vinyl chloride	26.2	5.0	ug/l	25.0		105	50-125			
o-Xylene	25.4	2.0	ug/l	25.0		102	75-125			
m,p-Xylenes	52.1	2.0	ug/l	50.0		104	70-120			
Surrogate: Dibromofluoromethane	*28.6*		*ug/l*	*25.0*		*114*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.4*		*ug/l*	*25.0*		*110*	*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: 3J28014 Extracted: 10/28/03										
Matrix Spike Analyzed: 10/28/03 (3J28014-MS1)					**Source: IMJ1250-05**					
Benzene	23.8	2.0	ug/l	25.0	ND	95	70-120			
Bromodichloromethane	26.7	2.0	ug/l	25.0	ND	107	70-140			
Bromoform	24.6	5.0	ug/l	25.0	ND	98	50-135			
Chlorobenzene	25.0	2.0	ug/l	25.0	ND	100	80-125			
Chloroform	26.2	2.0	ug/l	25.0	ND	105	70-130			
Dibromochloromethane	25.1	2.0	ug/l	25.0	ND	100	65-145			
1,2-Dichlorobenzene	25.3	2.0	ug/l	25.0	ND	101	75-120			
1,1-Dichloroethane	24.3	2.0	ug/l	25.0	ND	97	65-135			
1,2-Dichloroethane	26.3	2.0	ug/l	25.0	ND	105	60-150			
1,1-Dichloroethene	24.4	5.0	ug/l	25.0	ND	98	65-145			
Ethylbenzene	26.6	2.0	ug/l	25.0	ND	106	70-125			
Tetrachloroethene	27.0	2.0	ug/l	25.0	ND	108	70-130			
Toluene	24.6	2.0	ug/l	25.0	ND	98	65-120			
Trichloroethene	26.5	2.0	ug/l	25.0	ND	106	70-125			
Vinyl chloride	27.5	5.0	ug/l	25.0	ND	110	40-130			
o-Xylene	24.9	2.0	ug/l	25.0	ND	100	65-125			
m,p-Xylenes	49.6	2.0	ug/l	50.0	ND	99	60-125			
Surrogate: Dibromofluoromethane	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Matrix Spike Dup Analyzed: 10/28/03 (3J28014-MSD1)					**Source: IMJ1250-05**					
Benzene	25.2	2.0	ug/l	25.0	ND	101	70-120	6	20	
Bromodichloromethane	29.2	2.0	ug/l	25.0	ND	117	70-140	9	20	
Bromoform	30.8	5.0	ug/l	25.0	ND	123	50-135	22	25	
Chlorobenzene	26.6	2.0	ug/l	25.0	ND	106	80-125	6	20	
Chloroform	27.4	2.0	ug/l	25.0	ND	110	70-130	4	20	
Dibromochloromethane	29.3	2.0	ug/l	25.0	ND	117	65-145	15	20	
1,2-Dichlorobenzene	26.4	2.0	ug/l	25.0	ND	106	75-120	4	20	
1,1-Dichloroethane	25.6	2.0	ug/l	25.0	ND	102	65-135	5	20	
1,2-Dichloroethane	30.0	2.0	ug/l	25.0	ND	120	60-150	13	25	
1,1-Dichloroethene	27.0	5.0	ug/l	25.0	ND	108	65-145	10	25	
Ethylbenzene	27.9	2.0	ug/l	25.0	ND	112	70-125	5	20	
Tetrachloroethene	27.8	2.0	ug/l	25.0	ND	111	70-130	3	20	
Toluene	26.2	2.0	ug/l	25.0	ND	105	65-120	6	20	

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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: 3J28014 Extracted: 10/28/03										
Matrix Spike Dup Analyzed: 10/28/03 (3J28014-MSD1)					**Source: IMJ1250-05**					
Trichloroethene	28.0	2.0	ug/l	25.0	ND	112	70-125	6	20	
Vinyl chloride	27.0	5.0	ug/l	25.0	ND	108	40-130	2	25	
o-Xylene	26.4	2.0	ug/l	25.0	ND	106	65-125	6	20	
m,p-Xylenes	53.4	2.0	ug/l	50.0	ND	107	60-125	7	25	
Surrogate: Dibromofluoromethane	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Surrogate: Toluene-d8	*26.2*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.9*		*ug/l*	*25.0*		*108*	*80-120*			
Batch: 3J28021 Extracted: 10/28/03										
Blank Analyzed: 10/28/03 (3J28021-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	2.0	ug/l							
Acetonitrile	ND	20	ug/l							
Allyl Chloride	ND	1.0	ug/l							
Ethyl Methacrylate	ND	2.0	ug/l							
Methyl Methacrylate	ND	2.0	ug/l							
Bromodichloromethane	ND	2.0	ug/l							
Propionitrile	ND	20	ug/l							
Isobutanol (2-Methyl-1-Propanol)	ND	20	ug/l							
2-Chloro-1,3-butadiene	ND	1.0	ug/l							
Methyl Acrylonitrile	ND	2.0	ug/l							
Bromoform	ND	5.0	ug/l							
Bromomethane	ND	5.0	ug/l							
2-Butanone (MEK)	ND	10	ug/l							
Carbon Disulfide	ND	5.0	ug/l							
Carbon tetrachloride	ND	5.0	ug/l							
Chlorobenzene	ND	2.0	ug/l							
Chloroethane	ND	5.0	ug/l							
Chloroform	ND	2.0	ug/l							
Chloromethane	ND	5.0	ug/l							
Dibromochloromethane	ND	2.0	ug/l							
Dibromomethane	ND	2.0	ug/l							
1,2-Dichlorobenzene	ND	2.0	ug/l							
1,3-Dichlorobenzene	ND	2.0	ug/l							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J28021 Extracted: 10/28/03										
ank Analyzed: 10/28/03 (3J28021-BLK1)										
1,4-Dichlorobenzene	ND	2.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
-Dichloroethane	ND	2.0	ug/l							
-Dichloroethane	ND	2.0	ug/l							
1,1-Dichloroethene	ND	5.0	ug/l							
-1,2-Dichloroethene	ND	2.0	ug/l							
ns-1,2-Dichloroethene	ND	2.0	ug/l							
1,2-Dichloropropane	ND	2.0	ug/l							
-1,3-Dichloropropene	ND	2.0	ug/l							
ns-1,3-Dichloropropene	ND	2.0	ug/l							
thylbenzene	ND	2.0	ug/l							
2-Hexanone	ND	10	ug/l							
lomethane	ND	2.0	ug/l							
thylene chloride	ND	5.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	ug/l							
rene	ND	2.0	ug/l							
,1,2-Tetrachloroethane	ND	5.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/l							
Tetrachloroethene	ND	2.0	ug/l							
luene	ND	2.0	ug/l							
,1-Trichloroethane	ND	2.0	ug/l							
1,1,2-Trichloroethene	ND	2.0	ug/l							
chloroethene	ND	2.0	ug/l							
chlorofluoromethane	ND	5.0	ug/l							
Vinyl acetate	ND	5.0	ug/l							
yl chloride	ND	5.0	ug/l							
Xylene	ND	2.0	ug/l							
m,p-Xylenes	ND	2.0	ug/l							
trans-1,4-Dichloro-2-butene	ND	10	ug/l							
rogate: Dibromofluoromethane	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
rogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.8*		*ug/l*	*25.0*		*103*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J28021 Extracted: 10/28/03										
LCS Analyzed: 10/28/03 (3J28021-BS1)										
Acetone	22.1	10	ug/l	25.0		88	25-120			
Benzene	24.6	2.0	ug/l	25.0		98	70-120			
Bromodichloromethane	28.4	2.0	ug/l	25.0		114	70-140			
Bromoform	31.4	5.0	ug/l	25.0		126	50-135			
Bromomethane	27.7	5.0	ug/l	25.0		111	60-140			
2-Butanone (MEK)	24.8	10	ug/l	25.0		99	40-135			
Carbon tetrachloride	30.4	5.0	ug/l	25.0		122	70-140			
Chlorobenzene	25.7	2.0	ug/l	25.0		103	80-125			
Chloroethane	27.8	5.0	ug/l	25.0		111	60-145			
Chloroform	27.0	2.0	ug/l	25.0		108	70-130			
Chloromethane	23.4	5.0	ug/l	25.0		94	40-145			
Dibromochloromethane	28.7	2.0	ug/l	25.0		115	65-145			
Dibromomethane	27.5	2.0	ug/l	25.0		110	70-130			
1,2-Dichlorobenzene	26.7	2.0	ug/l	25.0		107	75-120			
1,3-Dichlorobenzene	25.6	2.0	ug/l	25.0		102	75-120			
1,4-Dichlorobenzene	25.6	2.0	ug/l	25.0		102	80-120			
Dichlorodifluoromethane	25.8	5.0	ug/l	25.0		103	10-160			
1,1-Dichloroethane	25.0	2.0	ug/l	25.0		100	70-135			
1,2-Dichloroethane	29.7	2.0	ug/l	25.0		119	60-150			
1,1-Dichloroethene	26.8	5.0	ug/l	25.0		107	75-140			
cis-1,2-Dichloroethene	25.1	2.0	ug/l	25.0		100	65-125			
trans-1,2-Dichloroethene	25.4	2.0	ug/l	25.0		102	65-130			
1,2-Dichloropropane	24.3	2.0	ug/l	25.0		97	65-120			
cis-1,3-Dichloropropene	27.3	2.0	ug/l	25.0		109	70-130			
trans-1,3-Dichloropropene	28.6	2.0	ug/l	25.0		114	75-135			
Ethylbenzene	26.8	2.0	ug/l	25.0		107	80-120			
2-Hexanone	25.8	10	ug/l	25.0		103	40-135			
Methylene chloride	27.1	5.0	ug/l	25.0		108	60-135			
4-Methyl-2-pentanone (MIBK)	26.8	10	ug/l	25.0		107	40-135			
Styrene	28.2	2.0	ug/l	25.0		113	80-135			
1,1,1,2-Tetrachloroethane	28.6	5.0	ug/l	25.0		114	70-145			
1,1,2,2-Tetrachloroethane	24.0	2.0	ug/l	25.0		96	60-135			
Tetrachloroethene	27.0	2.0	ug/l	25.0		108	75-125			
Toluene	25.4	2.0	ug/l	25.0		102	70-120			
1,1,1-Trichloroethane	27.9	2.0	ug/l	25.0		112	75-140			

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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: 3J28021 Extracted: 10/28/03										
LCS Analyzed: 10/28/03 (3J28021-BS1)										
1,1,2-Trichloroethane	26.3	2.0	ug/l	25.0		105	65-125			
Trichloroethene	27.5	2.0	ug/l	25.0		110	75-120			
Trichlorofluoromethane	28.7	5.0	ug/l	25.0		115	60-145			
Vinyl chloride	25.3	5.0	ug/l	25.0		101	50-125			
o-Xylene	26.0	2.0	ug/l	25.0		104	75-125			
m,p-Xylenes	52.9	2.0	ug/l	50.0		106	70-120			
Surrogate: Dibromofluoromethane	*27.7*		*ug/l*	*25.0*		*111*	*80-120*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.4*		*ug/l*	*25.0*		*110*	*80-120*			
Matrix Spike Analyzed: 10/28/03 (3J28021-MS1)					**Source: IMJ1250-07**					
Benzene	24.2	2.0	ug/l	25.0	ND	97	70-120			
Bromodichloromethane	28.2	2.0	ug/l	25.0	ND	113	70-140			
Bromoform	29.4	5.0	ug/l	25.0	ND	118	50-135			
Chlorobenzene	25.1	2.0	ug/l	25.0	ND	100	80-125			
Chloroform	26.6	2.0	ug/l	25.0	ND	106	70-130			
Dibromochloromethane	27.7	2.0	ug/l	25.0	ND	111	65-145			
1,2-Dichlorobenzene	25.1	2.0	ug/l	25.0	ND	100	75-120			
1,1-Dichloroethane	24.7	2.0	ug/l	25.0	ND	99	65-135			
1,2-Dichloroethane	29.0	2.0	ug/l	25.0	ND	116	60-150			
1,1-Dichloroethene	25.4	5.0	ug/l	25.0	ND	102	65-145			
Ethylbenzene	26.4	2.0	ug/l	25.0	ND	106	70-125			
Tetrachloroethene	26.3	2.0	ug/l	25.0	ND	105	70-130			
Toluene	25.2	2.0	ug/l	25.0	ND	101	65-120			
Trichloroethene	26.7	2.0	ug/l	25.0	ND	107	70-125			
Vinyl chloride	24.5	5.0	ug/l	25.0	ND	98	40-130			
o-Xylene	25.2	2.0	ug/l	25.0	ND	101	65-125			
m,p-Xylenes	51.5	2.0	ug/l	50.0	ND	103	60-125			
Surrogate: Dibromofluoromethane	*28.0*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			

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Camp, Dresser & McKee
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Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

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: 3J28021 Extracted: 10/28/03										
Matrix Spike Dup Analyzed: 10/28/03 (3J28021-MSD1)					**Source: IMJ1250-07**					
Benzene	24.0	2.0	ug/l	25.0	ND	96	70-120	1	20	
Bromodichloromethane	26.8	2.0	ug/l	25.0	ND	107	70-140	5	20	
Bromoform	25.1	5.0	ug/l	25.0	ND	100	50-135	16	25	
Chlorobenzene	25.0	2.0	ug/l	25.0	ND	100	80-125	0	20	
Chloroform	26.2	2.0	ug/l	25.0	ND	105	70-130	2	20	
Dibromochloromethane	25.3	2.0	ug/l	25.0	ND	101	65-145	9	20	
1,4-Dichlorobenzene	25.0	2.0	ug/l	25.0	ND	100	75-120	0	20	
1,1-Dichloroethane	24.4	2.0	ug/l	25.0	ND	98	65-135	1	20	
1,2-Dichloroethane	26.9	2.0	ug/l	25.0	ND	108	60-150	8	25	
1,1-Dichloroethene	25.7	5.0	ug/l	25.0	ND	103	65-145	1	25	
Ethylbenzene	26.3	2.0	ug/l	25.0	ND	105	70-125	0	20	
Tetrachloroethene	26.4	2.0	ug/l	25.0	ND	106	70-130	0	20	
Toluene	24.9	2.0	ug/l	25.0	ND	100	65-120	1	20	
Trichloroethene	26.3	2.0	ug/l	25.0	ND	105	70-125	2	20	
Vinyl chloride	25.2	5.0	ug/l	25.0	ND	101	40-130	3	25	
o-Xylene	25.0	2.0	ug/l	25.0	ND	100	65-125	1	20	
m,p-Xylenes	51.1	2.0	ug/l	50.0	ND	102	60-125	1	25	
Surrogate: Dibromofluoromethane	*27.4*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*80-120*			
Batch: 3J29007 Extracted: 10/29/03										
Blank Analyzed: 10/29/03 (3J29007-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	2.0	ug/l							
Acetonitrile	ND	20	ug/l							
Allyl Chloride	ND	1.0	ug/l							
Ethyl Methacrylate	ND	2.0	ug/l							
Methyl Methacrylate	ND	2.0	ug/l							
Bromodichloromethane	ND	2.0	ug/l							
Propionitrile	ND	20	ug/l							
Isobutanol (2-Methyl-1-Propanol)	ND	20	ug/l							
2-Chloro-1,3-butadiene	ND	1.0	ug/l							
Methyl Acrylonitrile	ND	2.0	ug/l							

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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: 3J29007 Extracted: 10/29/03										
Blank Analyzed: 10/29/03 (3J29007-BLK1)										
Bromoform	ND	5.0	ug/l							
Bromomethane	ND	5.0	ug/l							
2-Butanone (MEK)	ND	10	ug/l							
Carbon Disulfide	ND	5.0	ug/l							
Carbon tetrachloride	ND	5.0	ug/l							
Chlorobenzene	ND	2.0	ug/l							
Chloroethane	ND	5.0	ug/l							
Chloroform	ND	2.0	ug/l							
Chloromethane	ND	5.0	ug/l							
Bromochloromethane	ND	2.0	ug/l							
Dibromomethane	ND	2.0	ug/l							
1,2-Dichlorobenzene	ND	2.0	ug/l							
1,3-Dichlorobenzene	ND	2.0	ug/l							
1,4-Dichlorobenzene	ND	2.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	2.0	ug/l							
1,2-Dichloroethane	ND	2.0	ug/l							
1,1-Dichloroethene	ND	5.0	ug/l							
cis-1,2-Dichloroethene	ND	2.0	ug/l							
trans-1,2-Dichloroethene	ND	2.0	ug/l							
1,2-Dichloropropane	ND	2.0	ug/l							
cis-1,3-Dichloropropene	ND	2.0	ug/l							
trans-1,3-Dichloropropene	ND	2.0	ug/l							
Ethylbenzene	ND	2.0	ug/l							
2-Hexanone	ND	10	ug/l							
Iodomethane	ND	2.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	ug/l							
Styrene	ND	2.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/l							
Tetrachloroethene	ND	2.0	ug/l							
Toluene	ND	2.0	ug/l							
1,1,1-Trichloroethane	ND	2.0	ug/l							
1,1,2-Trichloroethane	ND	2.0	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: 3J29007 Extracted: 10/29/03										
Blank Analyzed: 10/29/03 (3J29007-BLK1)										
Trichloroethene	ND	2.0	ug/l							
Trichlorofluoromethane	ND	5.0	ug/l							
Vinyl acetate	ND	5.0	ug/l							
Vinyl chloride	ND	5.0	ug/l							
o-Xylene	ND	2.0	ug/l							
m,p-Xylenes	ND	2.0	ug/l							
trans-1,4-Dichloro-2-butene	ND	10	ug/l							
Surrogate: Dibromofluoromethane	*27.9*		*ug/l*	*25.0*		*112*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
LCS Analyzed: 10/29/03 (3J29007-BS1)										
Acetone	15.8	10	ug/l	25.0		63	25-120			
Benzene	23.9	2.0	ug/l	25.0		96	70-120			
Bromodichloromethane	27.1	2.0	ug/l	25.0		108	70-140			
Bromoform	25.8	5.0	ug/l	25.0		103	50-135			
Bromomethane	28.0	5.0	ug/l	25.0		112	60-140			
2-Butanone (MEK)	17.7	10	ug/l	25.0		71	40-135			
Carbon tetrachloride	30.1	5.0	ug/l	25.0		120	70-140			
Chlorobenzene	24.8	2.0	ug/l	25.0		99	80-125			
Chloroethane	27.8	5.0	ug/l	25.0		111	60-145			
Chloroform	26.1	2.0	ug/l	25.0		104	70-130			
Chloromethane	25.1	5.0	ug/l	25.0		100	40-145			
Dibromochloromethane	25.6	2.0	ug/l	25.0		102	65-145			
Dibromomethane	24.3	2.0	ug/l	25.0		97	70-130			
1,2-Dichlorobenzene	25.6	2.0	ug/l	25.0		102	75-120			
1,3-Dichlorobenzene	25.0	2.0	ug/l	25.0		100	75-120			
1,4-Dichlorobenzene	25.1	2.0	ug/l	25.0		100	80-120			
Dichlorodifluoromethane	31.8	5.0	ug/l	25.0		127	10-160			
1,1-Dichloroethane	24.2	2.0	ug/l	25.0		97	70-135			
1,2-Dichloroethane	27.4	2.0	ug/l	25.0		110	60-150			
1,1-Dichloroethene	26.1	5.0	ug/l	25.0		104	75-140			
cis-1,2-Dichloroethene	24.2	2.0	ug/l	25.0		97	65-125			
trans-1,2-Dichloroethene	25.0	2.0	ug/l	25.0		100	65-130			
1,2-Dichloropropane	23.3	2.0	ug/l	25.0		93	65-120			

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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: 3J29007 Extracted: 10/29/03										
LCS Analyzed: 10/29/03 (3J29007-BS1)										
cis-1,3-Dichloropropene	25.1	2.0	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	25.2	2.0	ug/l	25.0		101	75-135			
Ethylbenzene	26.4	2.0	ug/l	25.0		106	80-120			
2-Hexanone	17.5	10	ug/l	25.0		70	40-135			
Methylene chloride	24.6	5.0	ug/l	25.0		98	60-135			
4-Methyl-2-pentanone (MIBK)	19.6	10	ug/l	25.0		78	40-135			
Styrene	27.0	2.0	ug/l	25.0		108	80-135			
1,1,1,2-Tetrachloroethane	27.3	5.0	ug/l	25.0		109	70-145			
1,1,2,2-Tetrachloroethane	19.5	2.0	ug/l	25.0		78	60-135			
Tetrachloroethene	26.6	2.0	ug/l	25.0		106	75-125			
Toluene	24.8	2.0	ug/l	25.0		99	70-120			
1,1,1-Trichloroethane	27.8	2.0	ug/l	25.0		111	75-140			
1,1,2-Trichloroethane	22.7	2.0	ug/l	25.0		91	65-125			
Trichloroethene	26.8	2.0	ug/l	25.0		107	75-120			
Trichlorofluoromethane	29.5	5.0	ug/l	25.0		118	60-145			
Vinyl chloride	27.7	5.0	ug/l	25.0		111	50-125			
o-Xylene	25.2	2.0	ug/l	25.0		101	75-125			
m,p-Xylenes	51.6	2.0	ug/l	50.0		103	70-120			
Surrogate: Dibromofluoromethane	*27.1*		*ug/l*	*25.0*		*108*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*26.9*		*ug/l*	*25.0*		*108*	*80-120*			
Matrix Spike Analyzed: 10/29/03 (3J29007-MS1)					**Source: IMJ1378-01**					
Benzene	24.3	2.0	ug/l	25.0	ND	97	70-120			
Bromodichloromethane	27.9	2.0	ug/l	25.0	ND	112	70-140			
Bromoform	28.8	5.0	ug/l	25.0	ND	115	50-135			
Chlorobenzene	25.5	2.0	ug/l	25.0	ND	102	80-125			
Chloroform	27.0	2.0	ug/l	25.0	ND	108	70-130			
Dibromochloromethane	27.6	2.0	ug/l	25.0	ND	110	65-145			
1,2-Dichlorobenzene	25.2	2.0	ug/l	25.0	ND	101	75-120			
1,1-Dichloroethane	25.0	2.0	ug/l	25.0	ND	100	65-135			
1,2-Dichloroethane	29.1	2.0	ug/l	25.0	ND	116	60-150			
1,1-Dichloroethene	26.0	5.0	ug/l	25.0	ND	104	65-145			
Ethylbenzene	26.5	2.0	ug/l	25.0	ND	106	70-125			
Tetrachloroethene	27.1	2.0	ug/l	25.0	ND	108	70-130			

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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: 3J29007 Extracted: 10/29/03										
Matrix Spike Analyzed: 10/29/03 (3J29007-MS1)					**Source: IMJ1378-01**					
Toluene	25.0	2.0	ug/l	25.0	ND	100	65-120			
Trichloroethene	28.3	2.0	ug/l	25.0	1.2	108	70-125			
Vinyl chloride	27.5	5.0	ug/l	25.0	ND	110	40-130			
o-Xylene	24.7	2.0	ug/l	25.0	ND	99	65-125			
m,p-Xylenes	50.2	2.0	ug/l	50.0	ND	100	60-125			
Surrogate: Dibromofluoromethane	*27.6*		*ug/l*	*25.0*		*110*	*80-120*			
Surrogate: Toluene-d8	*26.3*		*ug/l*	*25.0*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*27.2*		*ug/l*	*25.0*		*109*	*80-120*			
Matrix Spike Dup Analyzed: 10/29/03 (3J29007-MSD1)					**Source: IMJ1378-01**					
Benzene	25.2	2.0	ug/l	25.0	ND	101	70-120	4	20	
Bromodichloromethane	26.5	2.0	ug/l	25.0	ND	106	70-140	5	20	
Bromoform	22.5	5.0	ug/l	25.0	ND	90	50-135	25	25	
Chlorobenzene	26.1	2.0	ug/l	25.0	ND	104	80-125	2	20	
Chloroform	26.6	2.0	ug/l	25.0	ND	106	70-130	1	20	
Dibromochloromethane	24.0	2.0	ug/l	25.0	ND	96	65-145	14	20	
1,4-Dichlorobenzene	26.2	2.0	ug/l	25.0	ND	105	75-120	4	20	
1,1-Dichloroethane	25.1	2.0	ug/l	25.0	ND	100	65-135	0	20	
1,2-Dichloroethane	25.9	2.0	ug/l	25.0	ND	104	60-150	12	25	
1,1-Dichloroethene	25.1	5.0	ug/l	25.0	ND	100	65-145	4	25	
Ethylbenzene	26.9	2.0	ug/l	25.0	ND	108	70-125	1	20	
Tetrachloroethene	28.5	2.0	ug/l	25.0	ND	114	70-130	5	20	
Toluene	25.0	2.0	ug/l	25.0	ND	100	65-120	0	20	
Trichloroethene	29.0	2.0	ug/l	25.0	1.2	111	70-125	2	20	
Vinyl chloride	30.4	5.0	ug/l	25.0	ND	122	40-130	10	25	
o-Xylene	23.8	2.0	ug/l	25.0	ND	95	65-125	4	20	
m,p-Xylenes	46.7	2.0	ug/l	50.0	ND	93	60-125	7	25	
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: Toluene-d8	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*80-120*			

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Camp, Dresser & McKee
8581 Teller Avenue, #200
rvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J28043 Extracted: 10/28/03										
Blank Analyzed: 10/29/03 (3J28043-BLK1)										
Aldrin	ND	0.10	ug/l							
alpha-BHC	ND	0.10	ug/l							
beta-BHC	ND	0.10	ug/l							
delta-BHC	ND	0.20	ug/l							
gamma-BHC (Lindane)	ND	0.10	ug/l							
Chlordane	ND	1.0	ug/l							
4,4'-DDD	ND	0.10	ug/l							
4,4'-DDE	ND	0.10	ug/l							
4,4'-DDT	ND	0.10	ug/l							
Dieldrin	ND	0.10	ug/l							
Endosulfan I	ND	0.10	ug/l							
Endosulfan II	ND	0.10	ug/l							
Endosulfan sulfate	ND	0.20	ug/l							
Endrin	ND	0.10	ug/l							
Endrin aldehyde	ND	0.10	ug/l							
Endrin ketone	ND	0.10	ug/l							
Heptachlor	ND	0.10	ug/l							
Heptachlor epoxide	ND	0.10	ug/l							
Methoxychlor	ND	0.10	ug/l							
Toxaphene	ND	5.0	ug/l							
Surrogate: Tetrachloro-m-xylene	*0.285*		*ug/l*	*0.500*		*57*	*35-120*			
Surrogate: Decachlorobiphenyl	*0.487*		*ug/l*	*0.500*		*97*	*45-120*			
LCS Analyzed: 10/29/03 (3J28043-BS1)										
Aldrin	0.317	0.10	ug/l	0.500		63	55-115			
alpha-BHC	0.327	0.10	ug/l	0.500		65	55-115			
beta-BHC	0.413	0.10	ug/l	0.500		83	60-115			
delta-BHC	0.459	0.20	ug/l	0.500		92	60-115			
gamma-BHC (Lindane)	0.355	0.10	ug/l	0.500		71	55-115			
4,4'-DDD	0.466	0.10	ug/l	0.500		93	70-120			
4,4'-DDE	0.429	0.10	ug/l	0.500		86	65-115			
4,4'-DDT	0.487	0.10	ug/l	0.500		97	70-120			
Dieldrin	0.441	0.10	ug/l	0.500		88	65-115			
Endosulfan I	0.414	0.10	ug/l	0.500		83	60-115			
Endosulfan II	0.458	0.10	ug/l	0.500		92	70-115			

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 3510C/8081A)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J28043 Extracted: 10/28/03										
LCS Analyzed: 10/29/03 (3J28043-BS1)										
Endosulfan sulfate	0.482	0.20	ug/l	0.500		96	70-115			
Endrin	0.442	0.10	ug/l	0.500		88	70-115			
Endrin aldehyde	0.456	0.10	ug/l	0.500		91	65-115			
Endrin ketone	0.488	0.10	ug/l	0.500		98	70-115			
Heptachlor	0.350	0.10	ug/l	0.500		70	50-115			
Heptachlor epoxide	0.399	0.10	ug/l	0.500		80	60-115			
Methoxychlor	0.496	0.10	ug/l	0.500		99	70-120			
Surrogate: Tetrachloro-m-xylene	*0.237*		*ug/l*	*0.500*		*47*	*35-120*			
Surrogate: Decachlorobiphenyl	*0.483*		*ug/l*	*0.500*		*97*	*45-120*			
LCS Dup Analyzed: 10/29/03 (3J28043-BSD1)										**M-NR1**
Aldrin	0.383	0.10	ug/l	0.500		77	55-115	19	20	
alpha-BHC	0.415	0.10	ug/l	0.500		83	55-115	24	20	*R-7*
beta-BHC	0.438	0.10	ug/l	0.500		88	60-115	6	20	
delta-BHC	0.486	0.20	ug/l	0.500		97	60-115	6	20	
gamma-BHC (Lindane)	0.421	0.10	ug/l	0.500		84	55-115	17	20	
4,4'-DDD	0.474	0.10	ug/l	0.500		95	70-120	2	20	
4,4'-DDE	0.449	0.10	ug/l	0.500		90	65-115	5	20	
4,4'-DDT	0.502	0.10	ug/l	0.500		100	70-120	3	20	
Dieldrin	0.459	0.10	ug/l	0.500		92	65-115	4	20	
Endosulfan I	0.439	0.10	ug/l	0.500		88	60-115	6	20	
Endosulfan II	0.466	0.10	ug/l	0.500		93	70-115	2	20	
Endosulfan sulfate	0.478	0.20	ug/l	0.500		96	70-115	1	20	
Endrin	0.460	0.10	ug/l	0.500		92	70-115	4	20	
Endrin aldehyde	0.457	0.10	ug/l	0.500		91	65-115	0	20	
Endrin ketone	0.481	0.10	ug/l	0.500		96	70-115	1	20	
Heptachlor	0.418	0.10	ug/l	0.500		84	50-115	18	20	
Heptachlor epoxide	0.432	0.10	ug/l	0.500		86	60-115	8	20	
Methoxychlor	0.502	0.10	ug/l	0.500		100	70-120	1	20	
Surrogate: Tetrachloro-m-xylene	*0.330*		*ug/l*	*0.500*		*66*	*35-120*			
Surrogate: Decachlorobiphenyl	*0.478*		*ug/l*	*0.500*		*96*	*45-120*			

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Camp, Dresser & McKee	Project ID: Phibro-Tech, Inc., App. IX	
8581 Teller Avenue, #200	PTI	Sampled: 10/23/03
rvine, CA 92612	Report Number: IMJ1266	Received: 10/23/03
Attention: Sharon Wallin		

METHOD BLANK/QC DATA

POLYCHLORINATED BIPHENYLS (EPA 3510C/8082)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J24049 Extracted: 10/24/03										
Blank Analyzed: 10/24/03 (3J24049-BLK1)										
Aroclor 1016	ND	1.0	ug/l							
Aroclor 1221	ND	1.0	ug/l							
Aroclor 1232	ND	1.0	ug/l							
Aroclor 1242	ND	1.0	ug/l							
Aroclor 1248	ND	1.0	ug/l							
Aroclor 1254	ND	1.0	ug/l							
Aroclor 1260	ND	1.0	ug/l							
Surrogate: Decachlorobiphenyl	*0.384*		*ug/l*	*0.500*		*77*	*45-125*			
LCS Analyzed: 10/24/03 (3J24049-BS2)										
Aroclor 1016	2.67	1.0	ug/l	4.00		67	50-115			
Aroclor 1260	3.11	1.0	ug/l	4.00		78	60-115			
Surrogate: Decachlorobiphenyl	*0.379*		*ug/l*	*0.500*		*76*	*45-125*			
LCS Dup Analyzed: 10/24/03 (3J24049-BSD2)										**M-NR1**
Aroclor 1016	2.71	1.0	ug/l	4.00		68	50-115	1	20	
Aroclor 1260	3.08	1.0	ug/l	4.00		77	60-115	1	20	
Surrogate: Decachlorobiphenyl	*0.386*		*ug/l*	*0.500*		*77*	*45-125*			

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METHOD BLANK/QC DATA

DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J28045 Extracted: 10/28/03										
Blank Analyzed: 10/29/03 (3J28045-BLK1)										
Antimony	ND	0.010	mg/l							
Arsenic	ND	0.0050	mg/l							
Barium	ND	0.010	mg/l							
Beryllium	ND	0.0040	mg/l							
Cadmium	ND	0.0050	mg/l							
Chromium	ND	0.0050	mg/l							
Cobalt	ND	0.010	mg/l							
Copper	ND	0.010	mg/l							
Lead	ND	0.0050	mg/l							
Molybdenum	ND	0.020	mg/l							
Nickel	ND	0.010	mg/l							
Selenium	ND	0.0050	mg/l							
Silver	ND	0.010	mg/l							
Thallium	ND	0.0050	mg/l							
Tin	ND	0.10	mg/l							
Vanadium	ND	0.010	mg/l							
Zinc	ND	0.020	mg/l							
LCS Analyzed: 10/29/03 (3J28045-BS1)										
Antimony	0.972	0.010	mg/l	1.00		97	80-120			
Arsenic	0.983	0.0050	mg/l	1.00		98	80-120			
Barium	0.984	0.010	mg/l	1.00		98	80-120			
Beryllium	0.977	0.0040	mg/l	1.00		98	80-120			
Cadmium	0.968	0.0050	mg/l	1.00		97	80-120			
Chromium	0.981	0.0050	mg/l	1.00		98	80-120			
Cobalt	0.951	0.010	mg/l	1.00		95	80-120			
Copper	0.978	0.010	mg/l	1.00		98	80-120			
Lead	0.979	0.0050	mg/l	1.00		98	80-120			
Molybdenum	0.964	0.020	mg/l	1.00		96	80-120			
Nickel	0.978	0.010	mg/l	1.00		98	80-120			
Selenium	0.971	0.0050	mg/l	1.00		97	80-120			
Silver	0.492	0.010	mg/l	0.500		98	80-120			
Thallium	0.951	0.0050	mg/l	1.00		95	80-120			
Tin	0.972	0.10	mg/l	1.00		97	80-120			
Vanadium	0.965	0.010	mg/l	1.00		96	80-120			

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DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J28045 Extracted: 10/28/03										
LCS Analyzed: 10/29/03 (3J28045-BS1)										
Zinc	0.965	0.020	mg/l	1.00		96	80-120			
Matrix Spike Analyzed: 10/29/03 (3J28045-MS1)					**Source: IMJ1266-08**					
Antimony	0.968	0.010	mg/l	1.00	ND	97	75-125			
Arsenic	0.989	0.0050	mg/l	1.00	0.0044	98	75-125			
Barium	1.17	0.010	mg/l	1.00	0.22	95	75-125			
Beryllium	0.960	0.0040	mg/l	1.00	ND	96	75-125			
Cadmium	0.926	0.0050	mg/l	1.00	ND	93	75-125			
Chromium	0.962	0.0050	mg/l	1.00	ND	96	75-125			
Cobalt	0.908	0.010	mg/l	1.00	ND	91	75-125			
Copper	1.02	0.010	mg/l	1.00	ND	102	75-125			
Lead	0.944	0.0050	mg/l	1.00	ND	94	75-125			
Molybdenum	0.948	0.020	mg/l	1.00	0.0020	95	75-125			
Nickel	0.944	0.010	mg/l	1.00	ND	94	75-125			
Selenium	0.982	0.0050	mg/l	1.00	ND	98	75-125			
Silver	0.498	0.010	mg/l	0.500	ND	100	75-125			
Thallium	0.927	0.0050	mg/l	1.00	0.0032	92	75-125			
Tin	0.929	0.10	mg/l	1.00	ND	93	75-125			
Vanadium	0.947	0.010	mg/l	1.00	ND	95	75-125			
Zinc	1.08	0.020	mg/l	1.00	0.13	95	75-125			
Matrix Spike Dup Analyzed: 10/29/03 (3J28045-MSD1)					**Source: IMJ1266-08**					
Antimony	0.962	0.010	mg/l	1.00	ND	96	75-125	1	20	
Arsenic	0.982	0.0050	mg/l	1.00	0.0044	98	75-125	1	20	
Barium	1.17	0.010	mg/l	1.00	0.22	95	75-125	0	20	
Beryllium	0.954	0.0040	mg/l	1.00	ND	95	75-125	1	20	
Cadmium	0.925	0.0050	mg/l	1.00	ND	92	75-125	0	20	
Chromium	0.954	0.0050	mg/l	1.00	ND	95	75-125	1	20	
Cobalt	0.908	0.010	mg/l	1.00	ND	91	75-125	0	20	
Copper	1.02	0.010	mg/l	1.00	ND	102	75-125	0	20	
Lead	0.935	0.0050	mg/l	1.00	ND	94	75-125	1	20	
Molybdenum	0.939	0.020	mg/l	1.00	0.0020	94	75-125	1	20	
Nickel	0.942	0.010	mg/l	1.00	ND	94	75-125	0	20	
Selenium	0.967	0.0050	mg/l	1.00	ND	97	75-125	2	20	
Silver	0.500	0.010	mg/l	0.500	ND	100	75-125	0	20	
Thallium	0.925	0.0050	mg/l	1.00	0.0032	92	75-125	0	20	

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DISSOLVED METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J28045 Extracted: 10/28/03										
Matrix Spike Dup Analyzed: 10/29/03 (3J28045-MSD1)					**Source: IMJ1266-08**					
Tin	0.921	0.10	mg/l	1.00	ND	92	75-125	1	20	
Vanadium	0.947	0.010	mg/l	1.00	ND	95	75-125	0	20	
Zinc	1.09	0.020	mg/l	1.00	0.13	96	75-125	1	20	
Batch: 3J29067 Extracted: 10/29/03										
Blank Analyzed: 10/29/03 (3J29067-BLK1)										
Mercury	ND	0.00020	mg/l							
LCS Analyzed: 10/29/03 (3J29067-BS1)										
Mercury	0.00806	0.00020	mg/l	0.00800		101	90-115			
Matrix Spike Analyzed: 10/29/03 (3J29067-MS1)					**Source: IMJ1266-03**					
Mercury	0.00812	0.00020	mg/l	0.00800	ND	102	75-120			
Matrix Spike Dup Analyzed: 10/29/03 (3J29067-MSD1)					**Source: IMJ1266-03**					
Mercury	0.00792	0.00020	mg/l	0.00800	ND	99	75-120	2	20	

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INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J23072 Extracted: 10/23/03										
Blank Analyzed: 10/23/03 (3J23072-BLK1)										
Chromium VI	ND	0.0010	mg/l							
LCS Analyzed: 10/23/03 (3J23072-BS1)										
Chromium VI	0.0485	0.0010	mg/l	0.0500		97	90-110			
Matrix Spike Analyzed: 10/23/03 (3J23072-MS1)					**Source: IMJ1266-04**					
Chromium VI	0.0495	0.0010	mg/l	0.0500	ND	99	80-115			
Matrix Spike Analyzed: 10/23/03 (3J23072-MS2)					**Source: IMJ1312-02**					
Chromium VI	0.0426	0.0010	mg/l	0.0500	ND	85	80-115			
Matrix Spike Dup Analyzed: 10/23/03 (3J23072-MSD1)					**Source: IMJ1266-04**					
Chromium VI	0.0493	0.0010	mg/l	0.0500	ND	99	80-115	0	15	
Matrix Spike Dup Analyzed: 10/23/03 (3J23072-MSD2)					**Source: IMJ1312-02**					
Chromium VI	0.0425	0.0010	mg/l	0.0500	ND	85	80-115	0	15	
Batch: 3J23073 Extracted: 10/23/03										
Duplicate Analyzed: 10/23/03 (3J23073-DUP1)					**Source: IMJ1248-01**					
pH	8.71	NA	pH Units		8.69			0	5	
Batch: 3J24060 Extracted: 10/24/03										
Blank Analyzed: 10/25/03 (3J24060-BLK1)										
Total Cyanide	ND	0.025	mg/l							

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

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

METHOD BLANK/QC DATA

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J24060 Extracted: 10/24/03										
LCS Analyzed: 10/25/03 (3J24060-BS1)										
Total Cyanide	0.201	0.025	mg/l	0.200		100	90-110			
Matrix Spike Analyzed: 10/25/03 (3J24060-MS1)					**Source: IMJ1258-01**					
Total Cyanide	0.174	0.025	mg/l	0.200	0.0075	83	70-115			
Matrix Spike Dup Analyzed: 10/25/03 (3J24060-MSD1)					**Source: IMJ1258-01**					
Total Cyanide	0.175	0.025	mg/l	0.200	0.0075	84	70-115	1	15	
Batch: 3J27053 Extracted: 10/27/03										
Blank Analyzed: 10/28/03 (3J27053-BLK1)										
Total Cyanide	ND	0.025	mg/l							
LCS Analyzed: 10/28/03 (3J27053-BS1)										
Total Cyanide	0.207	0.025	mg/l	0.200		104	90-110			
Matrix Spike Analyzed: 10/28/03 (3J27053-MS1)					**Source: IMJ1362-01**					
Total Cyanide	0.171	0.025	mg/l	0.200	ND	86	70-115			
Matrix Spike Dup Analyzed: 10/28/03 (3J27053-MSD1)					**Source: IMJ1362-01**					
Total Cyanide	0.171	0.025	mg/l	0.200	ND	86	70-115	0	15	
Batch: 3J27066 Extracted: 10/27/03										
Blank Analyzed: 10/27/03 (3J27066-BLK1)										
Sulfide	ND	0.10	mg/l							

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INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J27066 Extracted: 10/27/03										
CS Analyzed: 10/27/03 (3J27066-BS1)										
Sulfide	0.475	0.10	mg/l	0.470		101	80-120			
atrix Spike Analyzed: 10/27/03 (3J27066-MS1)					**Source: IMJ1060-03**					
lfide	0.367	0.10	mg/l	0.470	0.079	61	70-130			*M2*
Matrix Spike Dup Analyzed: 10/27/03 (3J27066-MSD1)					**Source: IMJ1060-03**					
lfide	0.322	0.10	mg/l	0.470	0.079	52	70-130	13	30	*M2*
Batch: 3J28068 Extracted: 10/28/03										
ank Analyzed: 10/28/03 (3J28068-BLK1)										
lfide	ND	0.10	mg/l							
LCS Analyzed: 10/28/03 (3J28068-BS1)										
fide	0.521	0.10	mg/l	0.520		100	80-120			
Matrix Spike Analyzed: 10/28/03 (3J28068-MS1)					**Source: IMJ1346-01**					
Sulfide	0.499	0.10	mg/l	0.520	0.043	88	70-130			
atrix Spike Dup Analyzed: 10/28/03 (3J28068-MSD1)					**Source: IMJ1346-01**					
Sulfide	0.520	0.10	mg/l	0.520	0.043	92	70-130	4	30	

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Organophosphorus Pesticides by EPA Method 8141A

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J28021 Extracted: 10/28/03										
Blank Analyzed: 10/28/03 (3J28021-BLK1)										
Famphur	ND	0.50	ug/l							*FF-1*
Azinphos methyl	ND	1.0	ug/l							
Bolstar	ND	0.50	ug/l							
Chlorpyrifos	ND	0.50	ug/l							
Coumaphos	ND	1.0	ug/l							
Demeton	ND	0.50	ug/l							
Diazinon	ND	0.50	ug/l							
Dichlorvos	ND	0.50	ug/l							
Dimethoate	ND	1.0	ug/l							
Disulfoton	ND	0.50	ug/l							
Ethion	ND	0.50	ug/l							
Ethoprop	ND	0.50	ug/l							
EPN	ND	0.50	ug/l							
Fensulfothion	ND	0.50	ug/l							
Fenthion	ND	0.50	ug/l							
Malathion	ND	0.50	ug/l							
Merphos	ND	0.50	ug/l							
Mevinphos	ND	0.50	ug/l							
Monocrotophos	ND	2.5	ug/l							
Naled	ND	1.0	ug/l							
Parathion-ethyl	ND	0.50	ug/l							
Parathion-methyl	ND	0.50	ug/l							
Phorate	ND	0.50	ug/l							
Ronnel	ND	0.50	ug/l							
Stirophos	ND	1.0	ug/l							
Sulfotep	ND	0.50	ug/l							
Thionazin	ND	0.50	ug/l							
Tokuthion (Prothiofos)	ND	0.50	ug/l							
Trichloronate	ND	0.50	ug/l							
Surrogate: Triphenyl phosphate	*1.25*		*ug/l*	*1.25*		*100*	*10-182*			

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Organophosphorus Pesticides by EPA Method 8141A

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J28021 Extracted: 10/28/03										
LCS Analyzed: 10/28/03 (3J28021-BS1)										
Diazinon	1.03	0.50	ug/l	1.25		82	25-160			
Disulfoton	1.00	0.50	ug/l	1.25		80	10-170			
Parathion-methyl	1.03	0.50	ug/l	1.25		82	10-154			
Surrogate: Triphenyl phosphate	*1.02*		*ug/l*	*1.25*		*82*	*10-182*			
LCS Dup Analyzed: 10/28/03 (3J28021-BSD1)										
Diazinon	1.20	0.50	ug/l	1.25		96	25-160	15	48	
Disulfoton	1.14	0.50	ug/l	1.25		91	10-170	13	48	
Parathion-methyl	1.16	0.50	ug/l	1.25		93	10-154	12	64	
Surrogate: Triphenyl phosphate	*1.04*		*ug/l*	*1.25*		*83*	*10-182*			

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Chlorinated Herbicides by EPA Method 8151A

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3J27019 Extracted: 10/27/03										
Blank Analyzed: 10/28/03 (3J27019-BLK1)										
2,4-D	ND	1.0	ug/l							
2,4-DB	ND	1.0	ug/l							
2,4,5-T	ND	1.0	ug/l							
2,4,5-TP (Silvex)	ND	1.0	ug/l							
Dalapon	ND	1.0	ug/l							
Dicamba	ND	1.0	ug/l							
Dichloroprop	ND	1.0	ug/l							
Dinoseb	ND	1.0	ug/l							
MCPA	ND	500	ug/l							
MCPP	ND	500	ug/l							
Surrogate: Dichlorophenylacetic acid	*1.95*		*ug/l*	*2.50*		*78*	*20-119*			
LCS Analyzed: 10/28/03 (3J27019-BS1)										
2,4-D	0.790	1.0	ug/l	1.25		63	30-144			
2,4,5-T	0.841	1.0	ug/l	1.25		67	32-131			
2,4,5-TP (Silvex)	0.822	1.0	ug/l	1.25		66	29-127			
Surrogate: Dichlorophenylacetic acid	*1.26*		*ug/l*	*2.50*		*50*	*20-119*			
LCS Dup Analyzed: 10/28/03 (3J27019-BSD1)										
2,4-D	1.11	1.0	ug/l	1.25		89	30-144	34	20	*QR-07*
2,4,5-T	1.10	1.0	ug/l	1.25		88	32-131	27	20	*QR-07*
2,4,5-TP (Silvex)	1.09	1.0	ug/l	1.25		87	29-127	28	20	*QR-07*
Surrogate: Dichlorophenylacetic acid	*1.99*		*ug/l*	*2.50*		*80*	*20-119*			

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METHOD BLANK/QC DATA

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3100725 Extracted: 10/29/03										
Blank Analyzed: 11/11/03 (3100725-BLK1)										
Acenaphthene	ND	10	ug/l							
Acenaphthylene	ND	10	ug/l							
Acetophenone	ND	10	ug/l							
2-Acetylaminofluorene	ND	20	ug/l							
4-Aminobiphenyl	ND	20	ug/l							
Aniline	ND	10	ug/l							
Anthracene	ND	10	ug/l							
Aramite	ND	200	ug/l							
Benzo (a) anthracene	ND	10	ug/l							
Benzo (b+k) fluoranthene (total)	ND	10	ug/l							
Benzo (g,h,i) perylene	ND	10	ug/l							
Benzo (a) pyrene	ND	10	ug/l							
Benzyl alcohol	ND	20	ug/l							
Bis(2-chloroethoxy)methane	ND	10	ug/l							
Bis(2-chloroethyl)ether	ND	10	ug/l							
Bis (2-chloroisopropyl)ether	ND	10	ug/l							
Bis(2-ethylhexyl)phthalate	ND	10	ug/l							
4-Bromophenyl phenyl ether	ND	10	ug/l							
Butyl benzyl phthalate	ND	10	ug/l							
4-Chloroaniline	ND	20	ug/l							
Chlorobenzilate	ND	10	ug/l							
4-Chloro-3-methylphenol	ND	20	ug/l							
2-Chloronaphthalene	ND	10	ug/l							
2-Chlorophenol	ND	10	ug/l							
4-Chlorophenyl phenyl ether	ND	10	ug/l							
Chrysene	ND	10	ug/l							
Diallate (cis or trans)	ND	10	ug/l							
Dibenz (a,h) anthracene	ND	10	ug/l							
Dibenzofuran	ND	10	ug/l							
Di-n-butyl phthalate	ND	10	ug/l							
1,2-Dichlorobenzene	ND	10	ug/l							
1,3-Dichlorobenzene	ND	10	ug/l							
1,4-Dichlorobenzene	ND	10	ug/l							
3,3-Dichlorobenzidine	ND	20	ug/l							
2,4-Dichlorophenol	ND	10	ug/l							

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3100725 Extracted: 10/29/03										
Blank Analyzed: 11/11/03 (3100725-BLK1)										
2,6-Dichlorophenol	ND	10	ug/l							
Diethyl phthalate	ND	10	ug/l							
Dimethylaminoazobenzene	ND	10	ug/l							
Dimethoate	ND	20	ug/l							
7,12-Dimethylbenz (a) anthracene	ND	10	ug/l							
3,3´-Dimethylbenzidine	ND	10	ug/l							
a,a-Dimethylphenethylamine	ND	10	ug/l							
2,4-Dimethylphenol	ND	10	ug/l							
Dimethyl phthalate	ND	10	ug/l							
1,3-Dinitrobenzene	ND	20	ug/l							
4,6-Dinitro-2-methylphenol	ND	50	ug/l							
2,4-Dinitrophenol	ND	50	ug/l							
2,4-Dinitrotoluene	ND	10	ug/l							
2,6-Dinitrotoluene	ND	10	ug/l							
Di-n-octyl phthalate	ND	10	ug/l							
Diphenylamine	ND	10	ug/l							
Ethyl methacrylate	ND	10	ug/l							
Ethyl methanesulfonate	ND	20	ug/l							
Famphur	ND	200	ug/l							
Fluoranthene	ND	10	ug/l							
Fluorene	ND	10	ug/l							
Hexachlorobenzene	ND	10	ug/l							
Hexachlorobutadiene	ND	10	ug/l							
Hexachlorocyclopentadiene	ND	10	ug/l							
Hexachloroethane	ND	10	ug/l							
Hexachlorophene	ND	200	ug/l							
Hexachloropropene	ND	10	ug/l							
Indeno (1,2,3-cd) pyrene	ND	10	ug/l							
Isodrin	ND	20	ug/l							
Isophorone	ND	10	ug/l							
Isosafrole	ND	10	ug/l							
Kepone	ND	200	ug/l							
Methapyrilene	ND	100	ug/l							
3-Methylcholanthrene	ND	10	ug/l							
Methyl methanesulfonate	ND	10	ug/l							

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3100725 Extracted: 10/29/03										
Blank Analyzed: 11/11/03 (3100725-BLK1)										
2-Methylnaphthalene	ND	10	ug/l							
2-Methylphenol	ND	10	ug/l							
3-Methylphenol	ND	10	ug/l							
4-Methylphenol	ND	10	ug/l							
Naphthalene	ND	10	ug/l							
1,4-Naphthoquinone	ND	20	ug/l							
1-Naphthylamine	ND	10	ug/l							
2-Naphthylamine	ND	10	ug/l							
2-Nitroaniline	ND	50	ug/l							
3-Nitroaniline	ND	50	ug/l							
4-Nitroaniline	ND	50	ug/l							
Nitrobenzene	ND	10	ug/l							
2-Nitrophenol	ND	10	ug/l							
4-Nitrophenol	ND	50	ug/l							
N-Nitrosodi-n-butylamine	ND	10	ug/l							
N-Nitrosodiethylamine	ND	20	ug/l							
N-Nitrosodimethylamine	ND	20	ug/l							
N-Nitrosodiphenylamine	ND	10	ug/l							
N-Nitrosodi-n-propylamine	ND	10	ug/l							
N-Nitrosomethylethylamine	ND	10	ug/l							
N-Nitrosomorpholine	ND	10	ug/l							
N-Nitrosopiperidine	ND	20	ug/l							
N-Nitrosopyrrolidine	ND	40	ug/l							
5-Nitro-o-toluidine	ND	10	ug/l							
4-Nitroquinoline-n-oxide	ND	50	ug/l							
Pentachlorobenzene	ND	10	ug/l							
Pentachloroethane	ND	10	ug/l							
Pentachloronitrobenzene	ND	20	ug/l							
Pentachlorophenol	ND	50	ug/l							
Phenacetin	ND	20	ug/l							
Phenanthrene	ND	10	ug/l							
Phenol	ND	10	ug/l							
1,4-Phenylenediamine	ND	50	ug/l							
2-Picoline	ND	10	ug/l							
Pronamide	ND	10	ug/l							

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3100725 Extracted: 10/29/03										
Blank Analyzed: 11/11/03 (3100725-BLK1)										
Pyrene	ND	10	ug/l							
Pyridine	ND	10	ug/l							
Safrole	ND	10	ug/l							
1,2,4,5-Tetrachlorobenzene	ND	10	ug/l							
2,3,4,6-Tetrachlorophenol	ND	10	ug/l							
Thionazin	ND	20	ug/l							
o-Toluidine	ND	10	ug/l							
1,2,4-Trichlorobenzene	ND	10	ug/l							
2,4,5-Trichlorophenol	ND	10	ug/l							
2,4,6-Trichlorophenol	ND	10	ug/l							
O,O,O-Triethyl phosphorothioate	ND	10	ug/l							
1,3,5-Trinitrobenzene	ND	10	ug/l							
Surrogate: 2-Fluorophenol	*97.8*		*ug/l*	*150*		*65*	*15-103*			
Surrogate: Phenol-d6	*120*		*ug/l*	*150*		*80*	*18-115*			
Surrogate: Nitrobenzene-d5	*91.0*		*ug/l*	*100*		*91*	*39-103*			
Surrogate: 2-Fluorobiphenyl	*82.9*		*ug/l*	*100*		*83*	*40-124*			
Surrogate: 2,4,6-Tribromophenol	*138*		*ug/l*	*150*		*92*	*11-142*			
Surrogate: Terphenyl-d14	*97.1*		*ug/l*	*100*		*97*	*56-139*			
LCS Analyzed: 11/11/03 (3100725-BS1)										
Acenaphthene	89.1	10	ug/l	100		89	58-120			
4-Chloro-3-methylphenol	94.1	20	ug/l	100		94	51-116			
2-Chlorophenol	75.3	10	ug/l	100		75	28-111			
1,4-Dichlorobenzene	59.0	10	ug/l	100		59	29-108			
2,4-Dinitrotoluene	96.7	10	ug/l	100		97	60-114			
4-Nitrophenol	106	50	ug/l	100		106	25-148			
N-Nitrosodi-n-propylamine	84.4	10	ug/l	100		84	29-119			
Pentachlorophenol	97.6	50	ug/l	100		98	40-131			
Phenol	80.5	10	ug/l	100		80	22-117			
Pyrene	94.1	10	ug/l	100		94	52-127			
1,2,4-Trichlorobenzene	59.2	10	ug/l	100		59	24-131			
Surrogate: 2-Fluorophenol	*86.8*		*ug/l*	*150*		*58*	*15-103*			
Surrogate: Phenol-d6	*114*		*ug/l*	*150*		*76*	*18-115*			
Surrogate: Nitrobenzene-d5	*86.1*		*ug/l*	*100*		*86*	*39-103*			
Surrogate: 2-Fluorobiphenyl	*85.8*		*ug/l*	*100*		*86*	*40-124*			

Del Mar Analytical, Irvine
Patty Mata
Project Manager

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

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

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

METHOD BLANK/QC DATA

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 3100725 Extracted: 10/29/03										
LCS Analyzed: 11/11/03 (3100725-BS1)										
Surrogate: 2,4,6-Tribromophenol	*153*		*ug/l*	*150*		*102*	*11-142*			
Surrogate: Terphenyl-d14	*94.8*		*ug/l*	*100*		*95*	*56-139*			
LCS Dup Analyzed: 11/11/03 (3100725-BSD1)										
Acenaphthene	91.1	10	ug/l	100		91	58-120	2	27	
4-Chloro-3-methylphenol	94.4	20	ug/l	100		94	51-116	0	30	
2-Chlorophenol	83.5	10	ug/l	100		84	28-111	10	39	
1,4-Dichlorobenzene	68.9	10	ug/l	100		69	29-108	15	41	
2,4-Dinitrotoluene	96.7	10	ug/l	100		97	60-114	0	22	
4-Nitrophenol	95.6	50	ug/l	100		96	25-148	10	44	
N-Nitrosodi-n-propylamine	86.6	10	ug/l	100		87	29-119	3	44	
Pentachlorophenol	98.0	50	ug/l	100		98	40-131	0	33	
Phenol	83.6	10	ug/l	100		84	22-117	4	33	
Pyrene	92.7	10	ug/l	100		93	52-127	1	25	
1,2,4-Trichlorobenzene	74.6	10	ug/l	100		75	24-131	23	48	
Surrogate: 2-Fluorophenol	*107*		*ug/l*	*150*		*71*	*15-103*			
Surrogate: Phenol-d6	*120*		*ug/l*	*150*		*80*	*18-115*			
Surrogate: Nitrobenzene-d5	*90.1*		*ug/l*	*100*		*90*	*39-103*			
Surrogate: 2-Fluorobiphenyl	*89.4*		*ug/l*	*100*		*89*	*40-124*			
Surrogate: 2,4,6-Tribromophenol	*155*		*ug/l*	*150*		*103*	*11-142*			
Surrogate: Terphenyl-d14	*94.2*		*ug/l*	*100*		*94*	*56-139*			

Del Mar Analytical, Irvine
Kelly Mata
Project Manager

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Camp, Dresser & McKee	Project ID: Phibro-Tech, Inc., App. IX	
18581 Teller Avenue, #200	PTI	Sampled: 10/23/03
Irvine, CA 92612	Report Number: IMJ1266	Received: 10/23/03
Attention: Sharon Wallin		

DATA QUALIFIERS AND DEFINITIONS

C	Calibration Verification recovery was above the method control limit for this analyte. Analyte not detected, data not impacted.
FF-1	This result was derived from a single point calibration with no MDL study.
M-NR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike/Blank Spike Duplicate.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
QR-07	The RPD was outside control limits. The results may still be useful for their intended purpose.
R-7	LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
RL-1	Reporting limit raised due to sample matrix effects.
RL-3	Reporting limit raised due to high concentrations of non-target analytes.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
S-LIM	The surrogate recovery was outside control limits. The result may still be useful for its intended purpose.
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
18581 Teller Avenue, #200
Irvine, CA 92612
Attention: Sharon Wallin

Project ID: Phibro-Tech, Inc., App. IX
PTI
Report Number: IMJ1266

Sampled: 10/23/03
Received: 10/23/03

Certification Summary

Del Mar Analytical, Irvine

Method	Matrix	NELAP	CA
EPA 150.1	Water	X	X
EPA 3510/8082	Water	X	X
EPA 3510C/8081A	Water	X	X
EPA 376.2	Water	X	X
EPA 6010B-Diss	Water	X	X
EPA 7199	Water	X	X
EPA 7470A-Diss	Water	X	X
EPA 8260B	Water	X	X
SM4500-CN-C,E	Water	X	X

NV and NELAP provide analyte specific accreditations. Analyte specific information for Del Mar Analytical may be obtained by contacting the laboratory or visiting our website at www.dmalabs.com.

Subcontracted Laboratories

Sequoia Analytical, Morgan Hill *CA ELAP Cert #1210 and AZ DHS Licence #01117CA*
885 Jarvis Drive - Morgan Hill, CA 95037
Method Performed: EPA 8141A
Samples: IMJ1266-02, IMJ1266-03, IMJ1266-04, IMJ1266-05, IMJ1266-06, IMJ1266-07, IMJ1266-08
Method Performed: EPA 8151A
Samples: IMJ1266-02, IMJ1266-03, IMJ1266-04, IMJ1266-05, IMJ1266-06, IMJ1266-07, IMJ1266-08

Sequoia Analytical-Petaluma *CA ELAP Cert #2374*
1455 N. McDowell Boulevard, Suite. D - Petaluma, CA 94954
Method Performed: EPA 8270C
Samples: IMJ1266-02, IMJ1266-03, IMJ1266-04, IMJ1266-05, IMJ1266-06, IMJ1266-07, IMJ1266-08

Triangle Laboratories *CA ELAP Cert #1922, AZ DHS Licence #AZ0423 and NV Cert #NC-140*
2445 South Alston Avenue - Durham, NC 27713-1301
Analysis Performed: 8290-Dioxin-HR
Samples: IMJ1266-02, IMJ1266-03, IMJ1266-04, IMJ1266-05, IMJ1266-06, IMJ1266-07, IMJ1266-08

Del Mar Analytical, Irvine
Betty Mata
Project Manager

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November 24, 2003

Camp, Dresser & McKee
18581 Teller Avenue, #200
Irvine, CA 92612

Attention: Sharon Wallin

Project: Phibro-Tech, Inc., App. IX/ PTI
Sampled: 10/23/03
Del Mar Analytical Number: IMJ1266

Dear Ms. Wallin:

Triangle Laboratories performed The Analysis Polychlorinated Dibenzo-*p*-Dioxins and Dibenzofurans by Method 8290 for the project reference above. Please use the following cross-reference table when reviewing your results.

CDM ID	Del Mar – Irvine ID	Triangle ID
PTI-MW35-059	IMJ1266-02	61373/365-63-1A
PTI-MW07-059	IMJ1266-03	61373/365-63-2A
PTI-D1-059	IMJ1266-04	61373/365-63-3A
PTI-MW145-059	IMJ1266-05	61373/365-63-4A
PTI-EB03-059	IMJ1266-06	61373/365-63-5A
PTI-MW04-059	IMJ1266-07	61373/365-63-6A
PTI-MW11-059	IMJ1266-08	61373/365-63-7A

Attached are the final results from the subcontracted laboratory. If you have any questions or require further assistance, please contact me at (949) 261-1022, extension 213.

Sincerely yours,

DEL MAR ANALYTICAL

Patty Mata
Project Manager

Enclosure

CASE NARRATIVE

Analysis of Samples for the Presence of

Polychlorinated Dibenzo-*p*-Dioxins and Dibenzofurans by

High-Resolution Chromatography / High-Resolution Mass Spectrometry

Method 8290 Rev. 0 (9/94)

Date:	October 29, 2003
Client ID:	Del Mar Analytical
P.O. Number:	IMJ1266
TLI Project Number:	61373

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Rev. 11/19/97
WWW.TriangleLabs.com

Overview

The samples and associated QC samples were extracted and analyzed according to procedures described in EPA Method 8290 Rev. 0 (9/94). Any particular difficulties encountered during the sample handling by Triangle Laboratories will be discussed in the QC Remarks section below. This report contains results from only the 8290 dioxin/furan analyses of the water samples.

Quality Control Samples

A laboratory method blank, identified as the TLI Blank, was prepared along with the samples.

Laboratory control spike (LCS) and laboratory control spike duplicate (LCSD) samples are extracted and analyzed along with each batch of samples. A report summarizing the analyte recoveries and relative percent differences for these samples is included in the data package.

Quality Control Remarks

This release of this particular set of Del Mar Analytical analytical data by Triangle Laboratories was authorized by the Quality Control Chemist who has reviewed each sample data package following a series of inspections/reviews. When applicable, general deviations from acceptable QC requirements are identified below and comments are made on the effect of these deviations upon the validity and reliability of the results. Specific QC issues associated with this particular project are:

Sample receipt: Seven water samples were received from Del Mar Analytical at 2.0°C in good condition on October 24, 2003 and stored in a refrigerator at 4°C. The client's chain-of-custody did not indicate whether or not chemical preservatives were utilized prior to shipment. The sample identifications on the sample labels did not exactly match those on the client's chain of custody. The sample identifications on the sample labels were used for all reports and paperwork.

Sample Preparation Laboratory: None

Mass Spectrometry: None

Data Review: None

Other Comments: No 2,3,7,8-substituted target analytes were detected in the method blank above the target detection limit (TDL).

The analytical data presented in this report are consistent with the guidelines of EPA Method 8290 Rev. 0 (9/94). Any exceptions have been discussed in the QC Remarks section of this case narrative with emphasis on their effect on the data. Should Del Mar Analytical have any questions or comments regarding this data package, please feel free to contact our Project Scientist, Bharat Chandramouli, at (919) 544-5729 ext. 4006.

For Triangle Laboratories, Inc.,

Released by,

Kenneth Varley

Kenneth Varley

Report Preparation Chemist

The total number of pages in the data package is : 234.

Method 8290 Sample Calculations:

Analyte Concentration

The concentration or amount of any analyte is calculated using the following expression.

$$C_{(\sigma)} = \frac{A_\sigma * Q_\beta}{A_\beta * RRF_{(\sigma)} * W}$$

Where:

$C_{(\sigma)}$	=	concentration or amount of a given analyte
A_σ	=	integrated current for the characteristic ions of the analyte
A_β	=	integrated current of the characteristic ions of the corresponding internal standard
Q_β	=	amount of internal standard added to the sample before extraction
$RRF_{(\sigma)}$	=	mean analyte relative response factor from the initial calibration
W	=	sample weight or volume

Detection Limits

The detection limit reported for a target analyte that is not detected or presents an analyte response that is less than 2.5 times the background level is calculated by using the following expression. The area of the analyte is replaced by the noise level measured in a region of the chromatogram clear of genuine GC signals. The detection limits represent the maximum possible concentration of a target analyte that could be present without being detected.

$$DL_{(\sigma)} = \frac{2.5 * H * Q_\beta}{H_\beta * RRF_{(\sigma)} * W}$$

Where:

$DL_{(\sigma)}$	=	estimated detection limit for a target analyte
2.5	=	minimum response required for a GC signal
H	=	sum heights of the noise
H_β	=	sum of peak heights of the characteristic ions of the corresponding internal standard
Q_β	=	amount of internal standard added to the sample before extraction
$RRF_{(\sigma)}$	=	mean analyte relative response factor from the initial calibration
W	=	sample weight or volume

Data Flags

In order to assist with data interpretation, data qualifier flags are used on the final reports. Please note that all data qualifier flags are subjective and are applied as consistently as possible. Each flag has been reviewed by two independent Chemists and the impact of the data qualifier flag on the quality of the data discussed above. The most commonly used flags are:

A **'B'** flag is used to indicate that an analyte has been detected in the laboratory method blank as well as in an associated field sample. The 'B' flag is used only when the concentration of analyte found in the sample is less than 20 times that found in the associated blank. This flag denotes possible contribution of background laboratory contamination to the concentration or amount of that analyte detected in the field sample.

An **'E'** flag is used to indicate a concentration based on an analyte to internal standard ratio which exceeds the range of the calibration curve. Values which are outside the calibration curve are estimates only.

An **'I'** flag is used to indicate labeled standards have been interfered with on the GC column by coeluting, interferent peaks. The interference may have caused the standard's area to be overestimated. All quantitations relative to this standard, therefore, may be underestimated.

A **'J'** flag is used to indicate a concentration based on an analyte to internal standard ratio which is below the calibration curve. Values which are outside the calibration curve are estimates only.

A **'PR'** flag is used to indicate that a GC peak is poorly resolved. This resolution problem may be seen as two closely eluting peaks without a reasonable valley between the peak tops, overly broad peaks, or peaks whose shapes vary greatly from a normal distribution. The concentrations or amounts reported for such peaks are most likely overestimated.

A **'Q'** flag is used to indicate the presence of QC ion instabilities caused by quantitative interferences.

An **'RO'** flag is used to indicate that a labeled standard has an ion abundance ratio that is outside of the acceptable QC limits, most likely due to a coeluting interference. This may have caused the percent recovery of the standard to be overestimated. All quantitations versus this standard, therefore, may be underestimated.

An **'S'** flag indicates that the response of a specific PCDD/PCDF isomer has exceeded the normal dynamic range of the mass spectrometer detection system. The corresponding signal is saturated and the reported analyte concentration is a 'minimum estimate'. When the 'S' qualifier is used in the reporting of 'totals', there is saturation of one (not

necessarily from a specific isomer) or more saturated signals for a given class of compounds. Results for saturated analytes are reported as greater than the upper calibration limit.

A **'U'** flag is used to indicate that a specific isomer cannot be resolved from a large, co-eluting interferent GC peak. The specific isomer is reported as not detected as a valid concentration cannot be determined. The calculated detection limit, therefore, should be considered an underestimated value.

A **'V'** flag is used to indicate that, although the percent recovery of a labeled standard may be below a specific QC limit, the signal-to-noise ratio of the peak is greater than ten-to-one. The standard is considered reliably quantifiable. All quantitations derived from the standard are considered valid as well.

An **'X'** flag is used to indicate that a polychlorodibenzofuran (PCDF) peak has eluted at the same time as the associated diphenyl ether (DPE) and that the DPE peak intensity is at least ten percent of the total PCDF peak intensity. Total PCDF values are flagged 'X' if the total DPE contribution to the total PCDF value is greater than ten percent. All PCDF peaks that are significantly influenced by the presence of DPE peaks are either reported as "estimated maximum possible concentration (EMPC) values without regard to the isotopic abundance ratio, or are included in the detection limit value depending on the analytical method.

ACCREDITED IN ACCORDANCE WITH nelac
FL-E87769 NJ-NC851

Triangle Laboratories, Inc.

TRIANGLE LABORATORIES, INC.

LIST OF CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Primary NELAP Certificate: **Florida Department of Health, #E87769; SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 613, 2,3,7,8-TCDD AND Method 1613, PCDD/PCDF & totals; **RCRA**, Methods 8280/8290, PCDD/PCDF & totals; **CAA**, TO-9A, all dioxins/furans AND TO-13A, semi-volatiles. Expires June 30, 2004.

Primary NELAP Certificate: **State of New Jersey, Department of Environmental Protection.** ID #NC851. **CAA**, Methods 0023A and MM5 (Sampling Train). **Secondary NELAP Certificate**: **SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 1613, PCDD/PCDF & totals; **RCRA**, Method 8290, PCDD/PCDF & totals. Expires September 30, 2003. *Renewal pending.*

State of Alabama, Department of Environmental Management. Laboratory ID # 40950. 2,3,7,8 TCDD (Dioxin) in drinking water. Expires 31 July 2004.

State of Alaska, Department of Environmental Conservation. Certificate number NC140-03. 2,3,7,8- TCDD (Dioxin) in drinking water. Expires December 21, 2003.

State of Arizona, Department of Health Services. Certificate #AZ0423. Drinking Water for Dioxin, Dioxins in Waste Water and Solid or Hazardous Waste. Expires May 25, 2004.

State of Arkansas, Department of Environmental Quality. Pulp/paper, soil, water, and Hazardous Waste for Dioxin/Furans. Expires 11 February 2004.

Secondary NELAP Certificate: **State of California, Department of Health Services, Certificate No. 03213CA. SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 1613, PCDD/PCDF & totals; **Hazardous Waste**, Methods 8280/8290, PCDD/PCDF & totals. Expires 28 February 2004.

State of Colorado, Department of Public Health and Environment. SDWA, Dioxin by EPA 1613. Expires April 30, 2004.

State of Connecticut, Department of Health Services. Registration # PH-0117. **SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 1613, PCDD/PCDF & totals; **RCRA**, Methods 8280/8290, PCDD/PCDF & totals. Expires September 30, 2003.

2445 S. Alston Ave. - Durham, NC 27713 - (919) 544-5729 - FAX (919) 544-5491
www.trianglelabs.com

Delaware Health and Social Services. Dioxin Certification waived for out-of-state laboratories; accept home-state Certifications.

Primary NELAP Certificates: **Florida Department of Health, #E87769; SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 613, 2,3,7,8-TCDD AND Method 1613, PCDD/PCDF & totals; **RCRA**, Methods 8280/8290, PCDD/PCDF & totals; **CAA**, TO-9A, all dioxins/furans AND TO-13A, semi-volatiles. Expires June 30, 2004.

Georgia Department of Environmental Quality. **SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 613, 2,3,7,8-TCDD AND Method 1613, PCDD/PCDF & totals; **RCRA**, Methods 8280/8290, PCDD/PCDF & totals; **CAA**, TO-9A, all dioxins/furans AND TO-13A, semi-volatiles; reciprocity based on **FL-DOH NELAP Certificate**. Certificate # 953, expires June 30, 2004.

Hawaii Department of Health. Certified for Dioxin under the Safe Drinking Water Act. "Accepted" status for regulatory purposes. Expires June 30, 2004.

Idaho Department of Health and Welfare. Dioxin in drinking water, EPA Method 1613. Expires December 31, 2003.

Secondary NELAP Certificate: **Illinois Environmental Protection Agency.** Accreditation Number #200007, Certificate #000666; **Drinking Water**, Method 1613, 2,3,7,8-TCDD; **Wastewater, Organic**, Methods 1613 and 613; **Hazardous and Solid Waste, Organic**, Methods 8280A and 8290. Expires 30 September 2003.

Indiana Department of Health. Dioxin in drinking water, EPA method 1613. Lab ID # C-NC-01. Expires July 31, 2003.

Secondary NELAP Certificate: **State of Kansas, Department of Health and Environment**. Cert. # E-10215. **SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 1613, PCDD/PCDF; **RCRA**, Methods 8280/8290, PCDD/PCDF & totals. Expires 31 January 2004.

Commonwealth of Kentucky, Department for Environmental Protection. Lab ID #90060. 2,3,7,8 TCDD (Dioxin) in drinking water. Expires December 31, 2003.

Secondary NELAP Certificate: **State of Louisiana Department of Environmental Quality.** Certificate # 01979. **CAA**, TO-9A and TO-13A; **CWA**, Method 1613 PCDDs/PCDFs; **RCRA**, Methods 8280A & 8290 PCDDs/PCDFs; **Misc**. Methods 1613, 8280A & 8290. Expires 30 June 2004.

Secondary NELAP Certificate: **State of Louisiana Department of Health & Hospitals.** Dioxin (2,3,7,8-TCDD) in Drinking Water. Certificate # LA030007. Expires December 31, 2003.

Maine Department of Human Services. Certification #: NC140. **SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 1613, PCDD/PCDF. Expires May 30, 2004.

Maryland Department of Health and Mental Hygiene. Certification # 235, SOC 2 (Dioxin). Expires September 30, 2003.

Commonwealth of Massachusetts, Department of Environmental Protection, does not require Certification for Drinking Water Dioxin/Furan analysis.

State of Michigan, Department of Environmental Quality. 2,3,7,8 TCDD by Method 1613. Expires 31 July 2003.

Minnesota Department of Health. The certification program in MN does not include dioxins/furans for CWA, SDWA of RCRA. See **U.S. EPA Region V.**

Mississippi State Department of Health. Dioxin in drinking water. No expiration date.

Montana Department of Health and Environmental Services. CERT0019. Dioxin in drinking water. Expires December 31, 2003.

State of Nebraska Department of Health. Reciprocal certification through the North Carolina Department of Health and Human services and Florida DOH NELAP Certification. **SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 613, 2,3,7,8-TCDD AND Method 1613, PCDD/PCDF & totals; **RCRA**, Methods 8280/8290, PCDD/PCDF & totals; **CAA**, TO-9A, all dioxins/furans AND TO-13A, semi-volatiles. Expires July 31, 2004.

State of Nevada, Department of Conservation and Natural Resources. Lab Certificate No. NC-00140-2003-66, expires July 31, 2003. **CWA**, Method 1613, PCDD/PCDF & totals, expires July 31, 2003.

State of Nevada, Department of Human Resources. Lab Certificate No. NC-00140-2003-66, expires July 31, 2003. **SDWA,** Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water, expires July 31, 2003.

Primary NELAP Certificate: State of New Jersey, Department of Environmental Protection. ID #NC851. CAA, Methods 0023A and MM5 (Sampling Train). **Secondary NELAP Certificate**: **SDWA**, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; **CWA**, Method 1613, PCDD/PCDF & totals; **RCRA**, Method 8290, PCDD/PCDF & totals. Expires June 30, 2003.

State of New Mexico, Environment Department. Safe Drinking Water Act; 2,3,7,8-TCDD by Method 1613. Expires 30 June 2003.

Secondary NELAP Certificate: New York State Department of Health, LAB ID #11026. Potable Water, 2,3,7,8-TCDD, EPA 1613, Serial # 19927; Non-Potable Water, 2,3,7,8-TCDD, EPA 1613, Serial # 19928. Expires 1 April, 2004.

State of North Carolina, Department of Health and Human Services. Certificate # 37751. Dioxin in drinking water. Expires July 31, 2004.

North Dakota State Department of Health and Consolidated Laboratories. Certificate # R-076. Dioxins/Furans in drinking water, non-potable water, solid and hazardous wastes; reciprocal recognition of FL-DOH NELAP Accreditation and Scope. Expires June 30, 2004.

Ohio EPA. Ohio does not offer out-of-state lab certifications; certification by EPA Region 5 is honored.

Oklahoma Department of Environmental Quality. Laboratory #9951. 2,3,7,8 TCDD (Dioxin). Expires August 31, 2004.

Secondary NELAP Certificate: **Oregon Environmental Laboratory Accreditation Program.** Certificate No:-279313938. SDWA, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; CWA, Method 1613, PCDD/PCDF & totals; RCRA, Methods 8280/8290, PCDD/PCDF & totals; CAA, TO-9A, all dioxins/furans AND TO-13A, semi-volatiles. Expires January 31, 2004.

Secondary NELAP Certificate: **Commonwealth of Pennsylvania, Department of Environmental Protection.** Environmental Laboratory Registration # 68-1484. Lab ID No. 68-1975. SDWA, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water. Expires March 31, 2004.

State of South Carolina, Department of Health and Environmental Control. Certificate number #99040001 (Other parameters). Dioxin/Furans by method 1613B - Safe Drinking Water Act; 2,3,7,8-TCDD for Drinking Water, and Organic extractables for Solid and Hazardous Waste. Reciprocal certification with New York. Expires June 03, 2001. Certificate # 99040002 Solid Hazardous Waste- Dioxins/Furans by 8280A and 8290. Expires August 31, 2001. **Renewal pending.*

State of Tennessee. Department of Environment and Conservation. ID #02992. Dioxin in Drinking water. Expires February 20, 2005.

Texas Natural Resource Conservation Commission. Certification Number: TX264-2002A. **SDWA:** Chemistry, Dioxin (2378-TCDD), EPA 1613. Expires January 31, 2004.

U.S. Army Corps of Engineers. Validated to perform EPA SW-846, Method 8290, water and solids. Validation expires May 2, 2004.

Department of the Navy, Naval Facilities Engineering Service Center (NFESC). Letter of Acceptance for analysis of water and solids by Methods 8280 and 8290.
Expires June 30, 2003.

U.S. EPA Region V. 2,3,7,8 TCDD (Dioxin) in drinking water by method 1613B.
Expires February 03, 2006. [Illinois, Indiana, Michigan, Minnesota, Ohio and Wisconsin]

U.S. EPA Region VIII, for the State of Wyoming. EPA Method 1613 for Dioxin in drinking water. Expires 20 October 2003.

Secondary NELAP Certificate: **State of Utah, Department of Health.** ID # TRIA, Account # 9195445729 SDWA, Method 1613, 2,3,7,8-TCDD for Dioxin in Drinking Water; CWA, Method 1613, PCDD/PCDF & totals; RCRA, Methods 8280/8290, PCDD/PCDF & totals. Expires June 30, 2003.

Commonwealth of Virginia, Department of General Services, Division of Consolidated Laboratory Services. ID # 00341. 2,3,7,8-TCDD (Dioxin) in drinking water, EPA Method 1613B. Expires June 30, 2004.

State of Washington, Department of Ecology. Lab Accreditation Number C067. Scope of Accreditation applies to Dioxins (PCDDs/PCDFs) by EPA methods 1613, 8280, and 8290 in potable and non-potable water. Expires September 11, 2003.

State of West Virginia, Department of Health. Certificate No. 9923(C). 2,3,7,8-TCDD (Dioxin) in drinking water, SOC III. Expires December 31, 2003.

State of West Virginia, Department of Environmental Protection. Certificate No. 327. Dioxins/Furans, Methods 8280A/8290/1613B. Expires December 31, 2003.

State of Wisconsin, Department of Natural Resources. Laboratory ID Number 999869530. Certified for 2,3,7,8-TCDD (Dioxin) in drinking water and for PCDD/PCDF. Expires August 31, 2003.

State of Wyoming, see **U.S. EPA Region VIII** above.

PHARMACEUTICAL

Drug Enforcement Agency (DEA). Registration number RT0195835. Controlled substance registration for schedules 1,2,3,3N,4,5. Expires November 30, 2003.

N.C. Department of Human Resources. Registration number NC-PT 0000 0031. North Carolina controlled substances registration for schedules 1, 2, 2N, 3, 3N, 4, 5, 6. Expires October 31, 2003.

Food & Drug Administration (FDA) Registration. ID #'s 001500 1053481(ATL). Annual registration of drug establishment. Current for 2003.

OTHER

Clinical Laboratory Improvement Amendments (CLIA) Registration. ID # 34D0705123. Department of Health & Human Services, Health Care Financing Administration. Certificate for the Acceptance of Human Specimens for the purposes of performing laboratory examinations or procedures - Chemistry, Toxicology, HCFA. Expires May 30, 2005.

U.S. Department of Agriculture Soil Permit. Permit No. S-56724. Under the authority of the Federal Plant Pest Act, permission is granted to receive foreign soil samples for use in laboratory analysis. Expires March 31, 2007.

U.S. EPA Large Quantity Hazardous Waste Generator. EPA ID #NCR000137232. Permit indicates that the laboratory is a large generator of hazardous waste. No expiration date.

U.S. Fish and Wildlife Permit. Number LE027890-1. Authorization to import/export wildlife and/or wildlife products. Expires April 30, 2004.

DOCUMENT CONTROL

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92626 Ph (949) 261-1022 Fax (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 Ph (909) 370-4667 Fax (909) 370-1046
9484 Chesapeake Drive, Suite 805, San Diego, CA 92123 Ph (619) 505-9596 Fax (619) 505-9689
9830 South 51st Street, Suite B-120, Phoenix, AZ 85044 Ph (480) 785-0043 Fax (480) 785-0851
2520 E. Sunset Rd., Suite #3, Las Vegas, NV 89120 Ph (702) 798-3620 Fax (702) 798-3621

SUBCONTRACT ORDER - PROJECT # IMJ1266

SENDING LABORATORY:
Del Mar Analytical, Irvine
2852 Alton Parkway
Irvine, CA 92606
Phone: (949) 261-1022
Fax: (949) 261-1228
Project Manager: Patty Mata

RECEIVING LABORATORY:
Triangle Laboratories-SUB
2445 South Alston Avenue
Durham, NC 27713-1301
Phone: (919) 544-5729
Fax: (919) 544-5491

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IMJ1266-02 Water	**Sampled: 10/23/03 07:30**	
8290-Dioxin-HR	10/30/03 07:30	Sub to Triangle Labs
Containers Supplied:		
1 L Amber (IMJ1266-02H)		
1 L Amber (IMJ1266-02I)		
Sample ID: IMJ1266-03 Water	**Sampled: 10/23/03 08:00**	
8290-Dioxin-HR	10/30/03 08:00	Sub to Triangle Labs
Containers Supplied:		
1 L Amber (IMJ1266-03H)		
1 L Amber (IMJ1266-03I)		
Sample ID: IMJ1266-04 Water	**Sampled: 10/23/03 08:30**	
8290-Dioxin-HR	10/30/03 08:30	Sub to Triangle Labs
Containers Supplied:		
1 L Amber (IMJ1266-04H)		
1 L Amber (IMJ1266-04I)		
Sample ID: IMJ1266-05 Water	**Sampled: 10/23/03 08:55**	
8290-Dioxin-HR	10/30/03 08:55	Sub to Triangle Labs
Containers Supplied:		
1 L Amber (IMJ1266-05H)		
1 L Amber (IMJ1266-05I)		
Sample ID: IMJ1266-06 Water	**Sampled: 10/23/03 09:30**	
8290-Dioxin-HR	10/30/03 09:30	Sub to Triangle Labs
Containers Supplied:		
1 L Amber (IMJ1266-06H)		
1 L Amber (IMJ1266-06I)		

Released By	Date	Time	Received By	Date	Time
	10-23-03	1630		10/24/03	10:20
Released By	Date	Time	Received By	Date	Time

Del Mar Analytical

2852 Alton Ave., Irvine, CA 92626 Ph (949) 261-1022 Fax (949) 261-1228
1014 E. Cooley Dr., Suite A, Colton, CA 92324 Ph (909) 370-4667 Fax (909) 370-1046
9484 Chesapeake Drive, Suite 805, San Diego, CA 92123 Ph (619) 505-9596 Fax (619) 505-9689
9830 South 51st Street, Suite B-120, Phoenix, AZ 85044 Ph (480) 785-0043 Fax (480) 785-0851
2520 E. Sunset Rd., Suite #3, Las Vegas, NV 89120 Ph (702) 798-3620 Fax (702) 798-3621

SUBCONTRACT ORDER - PROJECT # IMJ1266

SENDING LABORATORY:
Del Mar Analytical, Irvine
2852 Alton Parkway
Irvine, CA 92606
Phone: (949) 261-1022
Fax: (949) 261-1228
Project Manager: Patty Mata

RECEIVING LABORATORY:
Triangle Laboratories-SUB
2445 South Alston Avenue
Durham, NC 27713-1301
Phone :(919) 544-5729
Fax: (919) 544-5491

Standard TAT is requested unless specific due date is requested => Due Date:_____ Initials:_____

Analysis	Expiration	Comments
Sample ID: IMJ1266-07 Water Sampled: 10/23/03 10:00		
8290-Dioxin-HR	10/30/03 10:00	Sub to Triangle Labs
Containers Supplied:		
1 L Amber (IMJ1266-07H)		
1 L Amber (IMJ1266-07I)		
Sample ID: IMJ1266-08 Water Sampled: 10/23/03 11:20		
8290-Dioxin-HR	10/30/03 11:20	Sub to Triangle Labs
Containers Supplied:		
1 L Amber (IMJ1266-08H)		
1 L Amber (IMJ1266-08I)		

Released By	Date	Time	Received By	Date	Time
[signature]	10-23-03	1630			
Released By	Date	Time	Received By	Date	Time

TRIANGLE LABORATORIES, INC. -- LOG IN RECORD/CHAIN OF CUSTODY

Custody Seal : Absent
Chain of Custody : Present
Sample Tags : Absent
Sample Tag Numbers: Not Listed on Chain of Custody
SMO Forms : N/A

Sample Seals: Absent
Container...: Intact

TLI Project Number 61373
Client: DMA01 - Del Mar Analytical

Book 365

Date Received 10/24/03 By

Page 63

Ice Chest ICE/ICE PACKS Temp 2.0 C

Carrier and Number AIRBORNE

TLI Number.. .....Client Sample ID..... .....Matrix mR/H:CPM. .....Client COC ID.....* Location.....	To LAB Date/Init	To STORAGE Date/Init	To LAB Date/Init	To STORAGE Date/Init	To LAB Date/Init	To STORAGE Date/Init	To LAB Date/Init	To STORAGE Date/Init	DISPOSED Date/Init
365-63-1A IMJ1266-02H [CDM] WATER IMJ1266-02 * CO2	used	BKH 10/26/03							
365-63-1B IMJ1266-02I [CDM] WATER IMJ1266-02 * CO2									
365-63-2A IMJ1266-03H [CDM] WATER IMJ1266-03 * CO2	used	BKH 10/26/03							
365-63-2B IMJ1266-03I [CDM] WATER IMJ1266-03 * CO2									
365-63-3A IMJ1266-04H [CDM] WATER IMJ1266-04 * CO2	used	BKH 10/26/03							
365-63-3B IMJ1266-04I [CDM] WATER IMJ1266-04 * CO2									
365-63-4A IMJ1266-05H [CDM] WATER IMJ1266-05 * CO2	used	BKH 10/26/03							
365-63-4B IMJ1266-05I [CDM] WATER IMJ1266-05 * CO2									
365-63-5A IMJ1266-06H [CDM] WATER IMJ1266-06 * CO2	used	BKH 10/26/03							
365-63-5B IMJ1266-06I [CDM] WATER IMJ1266-06 * CO2									
365-63-6A IMJ1266-07H [CDM] WATER IMJ1266-07 * CO2	used	BKH 10/26/03							
365-63-6B IMJ1266-07I [CDM] WATER IMJ1266-07 * CO2									
365-63-7A IMJ1266-08H [CDM] WATER IMJ1266-08 * CO2	used	BKH 10/26/03							
365-63-7B IMJ1266-08I [CDM] WATER IMJ1266-08 * CO2									

Receiving Remarks:

Archive Remarks:

TRIANGLE LABORATORIES, INC.
SAMPLE TRACKING AND PROJECT MANAGEMENT FORM

----------ADMINISTRATIVE INFORMATION----------

TLI Proj#: 61373-	Samples: 7	TurnAround.: 18 Day(s)
Prod Code: D01001	Matrix.: Water	Hold Time..: 30 Day(s)
DetectLim: 10 ppq	Type...: B	Start Date.: 10/24/03
	Recvd..: 10/24/03	Ship By....: 11/09/03
		DWL Due Dt.: 10/31/03

Analyte List.: Tetra - Octa

Method.....: Method 8290: Tetra-Octa
Client Proj..: 2003 Prices, Sequoia Network
Client.....: Del Mar Analytical (DMA01)

P.O. No.....: IMJ1266	Collect Dt/Tm: 10/23/03 07:30
Contact.....: Patty Mata	Phone.....: 949-261-1022
Proj. Mgr....: Bharat Chandramouli	Fax.....: 949-261-1228
	Sample Origin:

----------SPECIAL INSTRUCTIONS / QA REQUIREMENTS----------

TEF.....: EPA	Prespike Standard: n/a
	Extraction Exp...: 11/22/03

----------REPORTING REQUIREMENTS----------

Reporting Format: Report Option II

See MILES for Instructions/Communications.

Completed by: _____ / _____ DATE: 10/24/03

Reviewed by: _____ / _____ DATE: 10/24/03 (PMGT0197

TRIANGLE LABORATORIES, INC.
Wet Lab Extraction and Observations
Project: 61373

Sample #	crd	TLI_Number	Customer.Sample.Id	Init pH	NaOH mL	Adj pH.1	H2SO4 mL	Adj. pH.2	Appearance	Color	Odor	Vol.	Entered.By	Date	Time	S
002		365-63-1A	IMJ1266-02H [CDM]	7.00	n/a	n/a	n/a	n/a	cloudy	yellow	no	945	mims	10/26/03	22:32:19	F
003		365-63-2A	IMJ1266-03H [CDM]	7.00	n/a	n/a	n/a	n/a	cloudy	tan	no	1030	mims	10/26/03	22:32:19	F
004		365-63-3A	IMJ1266-04H [CDM]	7.00	n/a	n/a	n/a	n/a	clear	no	no	1025	mims	10/26/03	22:32:19	F
005		365-63-4A	IMJ1266-05H [CDM]	7.00	n/a	n/a	n/a	n/a	cloudy	beige	no	1040	mims	10/26/03	22:32:19	F
006		365-63-5A	IMJ1266-06H [CDM]	7.00	n/a	n/a	n/a	n/a	clear	no	no	1030	mims	10/26/03	22:32:19	F
007		365-63-6A	IMJ1266-07H [CDM]	7.00	n/a	n/a	n/a	n/a	cloudy	yellow	no	995	mims	10/26/03	22:32:19	F
008		365-63-7A	IMJ1266-08H [CDM]	7.00	n/a	n/a	n/a	n/a	cloudy	tan	no	990	mims	10/26/03	22:32:20	F

*** End of Report ***

61373

Extraction

Type: Soxhlet / Jar / (Sep Funnel) / Cont LL / ASE / Waste Dilution / Solid Phase / Sonication

S.O.P: 161 Version: 19

Time On: _____
Est. Time Off: _____

Solvents/Acids	Lot Numbers
MeCl2	030958

Comments / Observations: Blank (LCS(D)) = APU H_2O Lot# 030969 (002, 3) Clear tan no odor 61362 (002) Clear, colorless, no odor 61373 (002, 7) Cloudy yellow no odor (003, 8) Cloudy tan no odor (004, 6) Clear colorless no odor (005) Cloudy, Beige no odor KM 10/26/03

Concentration

Analyst(s): L.P. 10/27/03

Type: (Rotovap) / KD / Speedvac

S.O.P: 124 Version: 18 Logged in by: L.P. 10/27/03

Solvent Exchange	Lot Number
Heptane	034456

Tridecane Lot #: GF-1-25-311E

Division: 20%/80% (Process 20%) 50%/50% 5ml/20ml (for lipid determination)

Comments / Observations: _____

Cleanup

MeCl2/Hept Solutions	
2% ID:	(LLSD)-21-49-1
20% ID:	(LLSD)-21-49-2
6% ID:	

S.O.P: 260 Version: 16 Analyst: L.P. 10/27/03
S.O.P: _____ Version: _____ Analyst: _____
S.O.P: _____ Version: _____ Analyst: _____

If DSP 280 needed complete the following areas:

Glasswool Lot #: _____ Heptane Lot#: _____
Sodium Sulfate Lot #: _____
Acid Coated Silica Gel Lot #: _____
50g used for: 100g used for:

Comments / Observations: _____

Transfers

Analyst(s): MM 10/27/03

S.O.P: GP272 Version: 11

Solvent	Lot Number
Heptane	031584

Division: 90%/10%

Comments: _____

Method: 8290
Matrix: Water
Ext. Date: 10/26/03
Analyst: C.M.

Project-Sample ID / TLI ID			Gross Weight Before	Gross Weight After	Sample Size g / mL	BKH 8629E USF-AIS 6/08/04 10/26/03 20:45 0.1 ug/mL 20 uL	BKH 8627F USF-MX 02/26/04 10/26/03 20:45 0.01 ug/mL 40 uL	LP 85/89 USF-C 03/17/04 10/27/03 10 02 0.01 ug/mL 20 uL	/ / / / : ug/mL uL	Chemist Spike # Spike I " Exp " Date " Tim Concer Volume
61348	0	TLI Blank	N/A	N/A	1000	BKH 10/26/03	N/A	L.P.		Any L Yes / ~~Yes /~~
61348	2	365-38-1A	1429.50	475.60	950	↓	↓	↓		Yes /
61348	3	365-38-2A	1379.15	473.31	900		N/A			Yes /
61348	4	TLI LCS	N/A	N/A	1000		BKH 10/26/03			~~Yes /~~
61348	5	TLI LCSD	↓	↓	1000		10/26/03 BKH			~~Yes /~~
61362	2	365-52-1A	1554.19	500.85	1050		N/A			Yes /
61373	2	365-63-1A	1447.22	501.61	945					Yes /
61373	3	365-63-2A	1550.18	499.02	1030					Yes / N
61373	4	365-63-3A	1526.74	501.07	1025					Yes / N
61373	5	365-63-4A	1543.31	502.51	1040					Yes / N
61373	6	365-63-5A	1532.50	500.34	1030					Yes / N
61373	7	365-63-6A	1495.33	501.94	995					Yes / N
61373	8	365-63-7A	1489.49	499.75	990	10/26/03 BKH	N/A	L.P.		Yes / N
										Yes / N

Project-Sample ID / TLI ID			1	2	3	4	7	8B	9					
61348	0	TLI Blank	KM	L.P. 10/27/03	L.P. 10/27/03	L.P. 10/27/03	L.P. 10/27/03	L.P. 10/27/03	KM 10/27/03					
61348	2	365-38-1A												
61348	3	365-38-2A												
61348	4	TLI LCS												
61348	5	TLI LCSD												
61362	2	365-52-1A												
61373	2	365-63-1A												
61373	3	365-63-2A												
61373	4	365-63-3A												
61373	5	365-63-4A												
61373	6	365-63-5A												
61373	7	365-63-6A												
61373	8	365-63-7A	10/24/03	L.P. 10/27/03	L.P. 10/27/03	L.P. 10/27/03	L.P. 10/27/03	L.P. 10/27/03	KM 10/27/03					

1) Extraction 2) Spike after extraction 3) Add Tridecane 4) Concentrate {40mL / 10 mL / Tridecane} 5) Combine

6) Divide / Lipid Determ. 7) Solvent Exchange 8) Cleanup {DSP260 / DSP280 / 8B} 9) Transfer ( ) Other:

TRIANGLE LABORATORIES, INC.
Transfer Chain-of-Custody Form
Project 61373

Transfer From: DWLL5 To: DMS5

	Initials..	Date.....	Time...
Released by:	[illegible]	10/27/03	11:00
Accepted by:	VJC	10/27/03	23:00

MILES.ID.....		TLI_No.....	Cust.Id.....
61373-	-002	365-63-1A	IMJ1266-02H [CDM]
61373-	-003	365-63-2A	IMJ1266-03H [CDM]
61373-	-004	365-63-3A	IMJ1266-04H [CDM]
61373-	-005	365-63-4A	IMJ1266-05H [CDM]
61373-	-006	365-63-5A	IMJ1266-06H [CDM]
61373-	-007	365-63-6A	IMJ1266-07H [CDM]
61373-	-008	365-63-7A	IMJ1266-08H [CDM]

XfrCOC (Rev 11/01/94)

Additional comments or instructions:

TRIANGLE LABORATORIES, INC

Method: Method 8290: Tetra-Octa — HR GC/HRMS ANALYSIS

Required Detection Limit: 10 ppq — PROJECT: 61373

SAMPLE INFORMATION — RS Conc 20 µl = 100.0 PG/µl

S#/rid	TLI SAMPLE ID / CLIENT SAMPLE ID	1ST COLUMN GC/MS FILENAME COLUMN: DB5	CONFIRM	2ND COLUMN CONFIRM FILENAME COLUMN:	USF-RS VOLUME / SOLN ID	USF-RS INIT. / DATE	ANALYSIS COMMENTS
002	365-63-1A IMJ1266-02H [CDM]	T035320	N				Batched with 61348
003	365-63-2A IMJ1266-03H [CDM]	T035324	N				
004	365-63-3A IMJ1266-04H [CDM]	T035322	N				
005	365-63-4A IMJ1266-05H [CDM]	T035323	N				
006	365-63-5A IMJ1266-06H [CDM]	T035327	N				
007	365-63-6A IMJ1266-07H [CDM]	T035325	N				
008	365-63-7A IMJ1266-08H [CDM]	T035326	N				

Comments: _____ Type: B

Spike File: SPMIT22S

Amt of Extract: 100%

REV 03/07/95 (PSTMF 6)

Triangle Laboratories, Inc.
Run Log

Instrument ID	Column Type	Column ID	Plot Name	Inj. Vol.	Acquisition	GC Descriptor
70T-108	DB5	321/615	T02	~~DB~~ EQNSC (10/28/13) 20 µl	NDB5T02	NDB5T02
					Signature	Date 10/28/13

Filename	Date*	Time*	Project #	Triangle Labs ID	Client Sample ID	332	Operator/ Date	Auto-sampler Location	Sequence Verified	Comments**
T035305	10/28/13	0819	61361	365-51-5A	03-10020-13 B13	1.2 E6	VC 10/28/13	8		
T035306	↓	0906	↓	TLI-LCS	TLI-LCS	1.3 E6	↓	9		
T035307		0954	61361	TLI-LCSD	TLI-LCSD	1.0 E6		10		
T035308		1042	61345	TLI-LLS	TLI-LCS	1.4 E6		11		
T035309		1130	61345	TLI-LCSD	TLI-LCSD	1.3 E6		12		
T035310	10/28/13	1217	—	8500D	1613/8290 Comb 100	1.8 E6	VC 10/28/13	13		6000 8290. use ending only. TF
T035311	10/28/13	21:01	—	8610	RINSE		VC 10/28/13	1		
T035312	10/28/13	22:00	—	8500D	1613/8290 Comb 10.0	2.8 EJ	VC 10/28/13	1		MITS 0.0000 NG WX401 1613B 478 HxCDD(CS)D 9000 TF 8290 TF VC 10/28/13
T035313	10/28/13	23:07	—	8500B	1613/8290 Comb 10.0	4.1 EJ	VC 10/28/13	1		
T035314	10/29/13	00:24	61348	61348 TLI-Blank	TLI-Blank	4.3 EJ	VC 10/29/13	1		
T035315	↓	01:11	↓	365-38-1A	09935-3 B8	4.8 EJ	↓	2		
T035316	↓	01:59	↓	365-38-2A	09935-13 B9 (EE VC)	~~4.6~~ 3.2 ~~EJ~~ EJ	↓	3		
T035317	10/29/13	02:47	61348	TLI-LLS	TLI-LCS	5.0 EJ	10/29/13 VC	4		

* Transcribed from chromatographic data
** Dated initials required

ConCal Due: _____

Triangle Laboratories, Inc.
Run Log

Instrument ID	Column Type	Column ID	Plot Name	Inj. Vol.	Acquisition	GC Descriptor
70T-108	DB-5	3211615	TO2	2.0 µl	NDBSUS	NDBSUS
					Signature	10/29/13 Date

Filename	Date*	Time*	Project #	Triangle Labs ID	Client Sample ID	332	Operator/ Date	Auto-sampler Location	Sequence Verified	Comments**
TO35318	10/29/13	03:34	61348	TLI-LCSD	TLI-LCSD		VJC 10/29/13	5	5	
TO35319		04:22	61362	365-52-1A	IMJ1153-01D [HCC]	3.3 ES		6		
TO35320		05:10	61373	365-63-1A	IMJ1266-02H [CDM]	5.3 ES		7		
TO35321		05:58		365-63-2A	IMJ 1266-03H [CDM]	4.4 ES		8		
TO35322		06:46		365-63-3A	IMJ 1266-04H [CDM]	3.5 ES		9		
TO35323		07:33		365-63-4A	IMJ 1266-05H [CDM]	4.8 ES		10		
TO35324		08:21		365-63-5A	IMJ 1266-06H [CDM]	5.3 ES		11		
TO35325		09:08		365-63-6A	IMJ 1266-07H [CDM]	6.7 ES		12		
TO35326		09:56	61373	365-63-7A	IMJ 1266-08H [CDM	6.3 ES		13		
TO35327	10/29/13	10:44	—	8507B	8290/1613 CONCAL/10	7.1 ES	VJC 10/29/13	14		GOOD 8290, 1613 TCO TF 10/29/13

* Transcribed from chromatographic data
** Dated initials required

ConCal Due: _____

SAMPLE DATA

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TRIANGLE LABORATORIES, INC.
LAB CONTROL SPIKE RECOVERY ANALYSIS AND COMPARISON

Project: 61373
Matrix: WATER
Method: 8290

Isomer	T035314 ID: TLI Blank Sample (pg/l)	T035317 ID: TLI LCS With Spike (pg/l)	Percent Recovery	T035318 ID: TLI LCSD Spike Dup (pg/l)	Percent Recovery	Relative Percent Difference
2378-TCDD	ND	363	90.8	346	86.4	4.97
12378-PeCDD	ND	1960	98.1	1930	96.7	1.44
123478-HxCDD	ND	1870	93.3	1670	83.5	11.1
123678-HxCDD	ND	1990	99.3	1860	93.2	6.34
123789-HxCDD	ND	2060	103	1900	95.1	7.98
1234678-HpCDD	ND	1870	93.7	1810	90.3	3.70
OCDD	ND	4210	105	3970	99.1	5.78
2378-TCDF	ND	379	94.8	356	88.9	6.42
12378-PeCDF	ND	1990	99.6	1940	97.1	2.54
23478-PeCDF	ND	2290	115	2350	117	1.72
123478-HxCDF	ND	1950	97.3	1750	87.3	10.8
123678-HxCDF	ND	1970	98.5	1880	94.2	4.46
234678-HxCDF	ND	1840	91.8	1790	89.5	2.54
123789-HxCDF	ND	1820	91.2	1720	85.8	6.10
1234678-HpCDF	ND	1850	92.5	1900	95.0	2.67
1234789-HpCDF	ND	1720	86.1	1620	80.9	6.23
OCDF	ND	4540	114	4190	105	8.22

ND: Not Detected
NA: Not Applicable
[..]: EMPC Value

MILES 4.22.16
GRY_PSUM v1.11

Processed By: _____ Date: 10/29/03

Percent Recovery QC Limits: 70 to 130 percent.
Relative Percent Difference QC Limits: +/- 20 percent.

Nominal Spike Levels:
TCDD/TCDF..: 0.4 ng
PeCDD/PeCDF: 2.0 ng
HxCDD/HxCDF: 2.0 ng
HpCDD/HpCDF: 2.0 ng
OCDD/OCDF..: 4.0 ng

Data File	T035314	T035320	T035321	T035322
Sample ID	TLI Blank	IMJ1266-02H [CD M]	IMJ1266-03H [CD M]	IMJ1266-04H [CD M]
Units	pg/l	pg/l	pg/l	pg/l
Extraction Date	10/26/2003	10/26/2003	10/26/2003	10/26/2003
Analysis Date	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Instrument	T	T	T	T
Matrix	WATER	WATER	WATER	WATER
Extraction Type				
Analytes				
2378-TCDD	(2.6)	(1.5)	(2.0)	(2.6)
12378-PeCDD	(3.6)	(2.0)	(2.9)	(3.5)
123478-HxCDD	(3.3)	(1.8)	(2.0)	(2.2)
123678-HxCDD	(3.1)	(1.6)	(1.8)	(2.0)
123789-HxCDD	(3.3)	(1.8)	(2.0)	(2.1)
1234678-HpCDD	(5.0)	5.4 J	18.7 J	(3.3)
OCDD	(9.9)	57.4 J	267	(6.4)
2378-TCDF	(2.1)	(1.2)	(1.5)	(2.0)
12378-PeCDF	(1.8)	(1.0)	(1.3)	(1.6)
23478-PeCDF	(2.3)	(1.3)	(1.6)	(2.0)
123478-HxCDF	(2.0)	(1.1)	(1.3)	(1.4)
123678-HxCDF	(1.9)	(1.1)	(1.2)	(1.3)
234678-HxCDF	(2.0)	(1.1)	(1.2)	(1.3)
123789-HxCDF	(2.4)	(1.3)	(1.5)	(1.6)
1234678-HpCDF	(3.0)	(1.6)	(5.3) J	(2.0)
1234789-HpCDF	(3.7)	(1.9)	(2.1)	(2.4)
OCDF	(7.7)	(3.7)	15.4 J	(5.0)
TOTAL TCDD	(2.6)	(1.5)	(2.0)	(2.6)
TOTAL PeCDD	(3.6)	(2.0)	(2.9)	(3.5)
TOTAL HxCDD	(3.2)	5.6	(2.6)	(2.1)
TOTAL HpCDD	(5.0)	5.4	40.3	(3.3)
TOTAL TCDF	(2.1)	(1.2)	(1.5)	(2.0)
TOTAL PeCDF	(2.0)	(1.2)	(1.4)	(1.8)
TOTAL HxCDF	(2.1)	(1.2)	(1.3)	(1.4)
TOTAL HpCDF	(3.3)	(1.7)	(5.3)	(2.2)
Other Standards Percent Recovery Summary (% Rec)				
37Cl-TCDD	73.1	83.3	77.1	76.8
Other Standards Percent Recovery Summary (% Rec)				
13C12-PeCDF 234	80.9	99.2	86.9	96.9
13C12-HxCDF 478	81.3	90.2	78.7	83.1
13C12-HxCDD 478	73.4	79.1	72.2	77.1
13C12-HpCDF 789	75.3	85.2	76.1	77.8
Other Standards Percent Recovery Summary (% Rec)				
13C12-HxCDF 789	74.4	83.0	71.5	78.7
13C12-HxCDF 234	78.2	83.3	76.7	82.4
Internal Standards Percent Recovery Summary (% Rec)				
13C12-2378-TCDF	68.3	86.0	74.0	82.9
13C12-2378-TCDD	71.2	83.6	76.5	79.8

Data File	T035314	T035320	T035321	T035322
Sample ID	TLI Blank	IMJ1266-02H [CDM]	IMJ1266-03H [CDM]	IMJ1266-04H [CDM]
Units	pg/l	pg/l	pg/l	pg/l
Extraction Date	10/26/2003	10/26/2003	10/26/2003	10/26/2003
Analysis Date	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Instrument	T	T	T	T
Matrix	WATER	WATER	WATER	WATER
Extraction Type				
Internal Standards Percent Recovery Summary (% Rec)				
13C12-PeCDF 123	67.8	85.8	76.8	84.8
13C12-PeCDD 123	67.2	78.6	68.5	73.7
13C12-HxCDF 678	84.0	89.2	84.9	89.7
13C12-HxCDD 678	74.5	84.7	77.2	83.9
13C12-HpCDF 678	73.4	83.4	75.6	82.3
13C12-HpCDD 678	75.8	89.3	78.2	88.3
13C12-OCDD	54.8	64.3	59.2	62.0

Data File	T035323		T035324		T035325		T035326	
Sample ID	IMJ1266-05H [CDM]		IMJ1266-06H [CDM]		IMJ1266-07H [CDM]		IMJ1266-08H [CDM]	
Units	pg/l		pg/l		pg/l		pg/l	
Extraction Date	10/26/2003		10/26/2003		10/26/2003		10/26/2003	
Analysis Date	10/29/2003		10/29/2003		10/29/2003		10/29/2003	
Instrument	T		T		T		T	
Matrix	WATER		WATER		WATER		WATER	
Extraction Type								
Analytes								
2378-TCDD	(2.3)		(3.5)		(2.4)		(2.9)	
12378-PeCDD	(3.3)		(5.0)		(3.5)		(4.7)	
123478-HxCDD	(2.6)		(3.1)		(2.3)		(3.0)	
123678-HxCDD	(2.3)		(2.8)		(2.1)		(2.7)	
123789-HxCDD	(2.5)		(3.1)		(2.3)		(3.0)	
1234678-HpCDD	(3.6)		(4.9)		(3.6)		(5.0)	
OCDD	33.4	J	49.7	J	(6.7)		{16.9}	J
2378-TCDF	(1.7)		(2.8)		(2.0)		(2.2)	
12378-PeCDF	(1.6)		(2.6)		(1.7)		(2.1)	
23478-PeCDF	(2.0)		(3.3)		(2.1)		(2.6)	
123478-HxCDF	(1.5)		(2.2)		(1.5)		(2.0)	
123678-HxCDF	(1.4)		(2.1)		(1.4)		(1.9)	
234678-HxCDF	(1.5)		(2.1)		(1.5)		(1.9)	
123789-HxCDF	(1.8)		(2.5)		(1.8)		(2.3)	
1234678-HpCDF	(2.2)		(2.9)		(2.1)		(2.6)	
1234789-HpCDF	(2.6)		(3.5)		(2.5)		(3.2)	
OCDF	(5.7)		(7.2)		(5.2)		(7.3)	
TOTAL TCDD	(2.3)		(3.5)		(2.4)		(2.9)	
TOTAL PeCDD	(3.3)		(5.0)		(3.5)		(4.7)	
TOTAL HxCDD	(2.5)		(3.0)		(2.3)		(2.9)	
TOTAL HpCDD	(3.6)		(4.9)		(3.6)		(5.0)	
TOTAL TCDF	(1.7)		(2.8)		(2.0)		(2.2)	
TOTAL PeCDF	(1.8)		(2.9)		(1.9)		(2.3)	
TOTAL HxCDF	(1.5)		(2.2)		(1.5)		(2.0)	
TOTAL HpCDF	(2.4)		(3.2)		(2.3)		(2.9)	
Other Standards Percent Recovery Summary (% Rec)								
37Cl-TCDD	63.1		41.7		45.3		42.2	
Other Standards Percent Recovery Summary (% Rec)								
13C12-PeCDF 234	73.1		42.6		51 9		39.9	V
13C12-HxCDF 478	71.3		42.8		50.7		41.1	
13C12-HxCDD 478	66.0		38.6	V	48.3		37.3	V
13C12-HpCDF 789	66.2		42.2		50.4		38.3	V
Other Standards Percent Recovery Summary (% Rec)								
13C12-HxCDF 789	63.4		39.8	V	47.2		37.0	V
13C12-HxCDF 234	66.5		43.2		49.5		39.3	V
Internal Standards Percent Recovery Summary (% Rec)								
13C12-2378-TCDF	67.4		38.2	V	43.8		36.4	V
13C12-2378-TCDD	66.5		39.9	V	46.6		38.1	V

Data File	T035323	T035324	T035325	T035326
Sample ID	IMJ1266-05H [CDM]	IMJ1266-06H [CDM]	IMJ1266-07H [CDM]	IMJ1266-08H [CDM]
Units	pg/l	pg/l	pg/l	pg/l
Extraction Date	10/26/2003	10/26/2003	10/26/2003	10/26/2003
Analysis Date	10/29/2003	10/29/2003	10/29/2003	10/29/2003
Instrument	T	T	T	T
Matrix	WATER	WATER	WATER	WATER
Extraction Type				
Internal Standards Percent Recovery Summary (% Rec)				
13C12-PeCDF 123	65.3	39.3 V	43.8	36.6 V
13C12-PeCDD 123	58.8	34.1 V	40.8	30.6 V
13C12-HxCDF 678	74.8	47.0	53.2	42.5
13C12-HxCDD 678	64.3	44.3	50.2	39.1 V
13C12-HpCDF 678	66.4	43.7	50.9	40.6
13C12-HpCDD 678	69.3	45.5	52.0	38.6 V
13C12-OCDD	49.0	32.2 V	39.0 V	29.8 V

TOXICITY EQUIVALENTS REPORT

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Del Mar Analytical

TLI Project: **61373**
Client Sample: **TLI Blank**

Toxicity Equivalents Report
Analysis File: **T035314**

Client Project:	**2003 Prices, Sequoia Network**				
Sample Matrix:	**WATER**	Date Received:	**10/24/03**	Spike File:	**SPMIT32S**
TLI ID:	**TLI Blank**	Date Extracted:	**10/26/03**	ICal:	**TF53183**
		Date Analyzed:	**10/29/03**	ConCal:	**T035313**
Sample Size:	**1.000 L**	Dilution Factor:	**1**	% Moisture:	**n/a**
Dry Weight:	**n/a**	Blank File:	**T035314**	% Lipid:	**n/a**
GC Column:	**DB-5**	Analyst:	**VSC**	% Solids:	**n/a**

Analytes	Conc. (pg/L)		TEF		Equivalent
2,3,7,8-TCDD	{2.6}	x	1.	=	2.6
1,2,3,7,8-PeCDD	{3.6}	x	0.5	=	1.8
1,2,3,4,7,8-HxCDD	{3.3}	x	0.1	=	0.33
1,2,3,6,7,8-HxCDD	{3.1}	x	0.1	=	0.31
1,2,3,7,8,9-HxCDD	{3.3}	x	0.1	=	0.33
1,2,3,4,6,7,8-HpCDD	{5.0}	x	0.01	=	0.050
1,2,3,4,6,7,8,9-OCDD	{9.9}	x	0.001	=	0.0099
TOTAL PCDD					5.4
2,3,7,8-TCDF	{2.1}	x	0.1	=	0.21
1,2,3,7,8-PeCDF	{1.8}	x	0.05	=	0.090
2,3,4,7,8-PeCDF	{2.3}	x	0.5	=	1.2
1,2,3,4,7,8-HxCDF	{2.0}	x	0.1	=	0.20
1,2,3,6,7,8-HxCDF	{1.9}	x	0.1	=	0.19
2,3,4,6,7,8-HxCDF	{2.0}	x	0.1	=	0.20
1,2,3,7,8,9-HxCDF	{2.4}	x	0.1	=	0.24
1,2,3,4,6,7,8-HpCDF	{3.0}	x	0.01	=	0.030
1,2,3,4,7,8,9-HpCDF	{3.7}	x	0.01	=	0.037
1,2,3,4,6,7,8,9-OCDF	{7.7}	x	0.001	=	0.0077
TOTAL PCDF					2.4

Total EPA TEFs, 1989a: 7.8 pg/L

{...} indicates that the value is that of a Detection Limit.

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TLI Project: **61373** — Toxicity Equivalents Report
Client Sample: **IMJ1266-02H [CDM]** — Analysis File: **T035320**

Client Project:	2003 Prices, Sequoia Network				
Sample Matrix:	WATER	Date Received:	10/24/03	Spike File:	SPMIT32S
TLI ID:	365-63-1A	Date Extracted:	10/26/03	ICal:	TF53183
		Date Analyzed:	10/29/03	ConCal:	T035313
Sample Size:	0.945 L	Dilution Factor:	1	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	T035314	% Lipid:	n/a
GC Column:	DB-5	Analyst:	VSC	% Solids:	n/a

Analytes	Conc. (pg/L)		TEF		Equivalent
2,3,7,8-TCDD	{1.5}	x	1.	=	1.5
1,2,3,7,8-PeCDD	{2.0}	x	0.5	=	1.0
1,2,3,4,7,8-HxCDD	{1.8}	x	0.1	=	0.18
1,2,3,6,7,8-HxCDD	{1.6}	x	0.1	=	0.16
1,2,3,7,8,9-HxCDD	{1.8}	x	0.1	=	0.18
1,2,3,4,6,7,8-HpCDD	5.4	x	0.01	=	0.054
1,2,3,4,6,7,8,9-OCDD	57.4	x	0.001	=	0.0574
TOTAL PCDD					3.1
2,3,7,8-TCDF	{1.2}	x	0.1	=	0.12
1,2,3,7,8-PeCDF	{1.0}	x	0.05	=	0.050
2,3,4,7,8-PeCDF	{1.3}	x	0.5	=	0.65
1,2,3,4,7,8-HxCDF	{1.1}	x	0.1	=	0.11
1,2,3,6,7,8-HxCDF	{1.1}	x	0.1	=	0.11
2,3,4,6,7,8-HxCDF	{1.1}	x	0.1	=	0.11
1,2,3,7,8,9-HxCDF	{1.3}	x	0.1	=	0.13
1,2,3,4,6,7,8-HpCDF	{1.6}	x	0.01	=	0.016
1,2,3,4,7,8,9-HpCDF	{1.9}	x	0.01	=	0.019
1,2,3,4,6,7,8,9-OCDF	{3.7}	x	0.001	=	0.0037
TOTAL PCDF					1.32

Total EPA TEFs, 1989a: 4.5 pg/L

{...} indicates that the value is that of a Detection Limit.

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TLI Project: **61373** — Toxicity Equivalents Report
Client Sample: **IMJ1266-03H [CDM]** — Analysis File: **T035321**

Client Project:	2003 Prices, Sequoia Network				
Sample Matrix:	WATER	Date Received:	10/24/03	Spike File:	SPMIT32S
TLI ID:	365-63-2A	Date Extracted:	10/26/03	ICal:	TF53183
		Date Analyzed:	10/29/03	ConCal:	T035313
Sample Size:	1.030 L	Dilution Factor:	1	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	T035314	% Lipid:	n/a
GC Column:	DB-5	Analyst:	VSC	% Solids:	n/a

Analytes	Conc. (pg/L)		TEF		Equivalent
2,3,7,8-TCDD	{2.0}	x	1.	=	2.0
1,2,3,7,8-PeCDD	{2.9}	x	0.5	=	1.5
1,2,3,4,7,8-HxCDD	{2.0}	x	0.1	=	0.20
1,2,3,6,7,8-HxCDD	{1.8}	x	0.1	=	0.18
1,2,3,7,8,9-HxCDD	{2.0}	x	0.1	=	0.20
1,2,3,4,6,7,8-HpCDD	18.7	x	0.01	=	0.187
1,2,3,4,6,7,8,9-OCDD	267	x	0.001	=	0.267
TOTAL PCDD					4.5
2,3,7,8-TCDF	{1.5}	x	0.1	=	0.15
1,2,3,7,8-PeCDF	{1.3}	x	0.05	=	0.065
2,3,4,7,8-PeCDF	{1.6}	x	0.5	=	0.80
1,2,3,4,7,8-HxCDF	{1.3}	x	0.1	=	0.13
1,2,3,6,7,8-HxCDF	{1.2}	x	0.1	=	0.12
2,3,4,6,7,8-HxCDF	{1.2}	x	0.1	=	0.12
1,2,3,7,8,9-HxCDF	{1.5}	x	0.1	=	0.15
1,2,3,4,6,7,8-HpCDF	[5.3]	x	0.01	=	0.053
1,2,3,4,7,8,9-HpCDF	{2.1}	x	0.01	=	0.021
1,2,3,4,6,7,8,9-OCDF	15.4	x	0.001	=	0.0154
TOTAL PCDF					1.62

Total EPA TEFs, 1989a: 6.2 pg/L

[...] indicates that the value is that of an EMPC.
{...} indicates that the value is that of a Detection Limit.

GRY_TEF v1.08, MILES 4.22.16

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TLI Project: **61373**
Client Sample: **IMJ1266-04H [CDM]**

Toxicity Equivalents Report
Analysis File: **T035322**

Client Project:	2003 Prices, Sequoia Network				
Sample Matrix:	WATER	Date Received:	10/24/03	Spike File:	SPMIT32S
TLI ID:	365-63-3A	Date Extracted:	10/26/03	ICal:	TF53183
		Date Analyzed:	10/29/03	ConCal:	T035313
Sample Size:	1.025 L	Dilution Factor:	1	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	T035314	% Lipid:	n/a
GC Column:	DB-5	Analyst:	VSC	% Solids:	n/a

Analytes	Conc. (pg/L)		TEF		Equivalent
2,3,7,8-TCDD	{2.6}	x	1.	=	2.6
1,2,3,7,8-PeCDD	{3.5}	x	0.5	=	1.8
1,2,3,4,7,8-HxCDD	{2.2}	x	0.1	=	0.22
1,2,3,6,7,8-HxCDD	{2.0}	x	0.1	=	0.20
1,2,3,7,8,9-HxCDD	{2.1}	x	0.1	=	0.21
1,2,3,4,6,7,8-HpCDD	{3.3}	x	0.01	=	0.033
1,2,3,4,6,7,8,9-OCDD	{6.4}	x	0.001	=	0.0064
TOTAL PCDD					5.1
2,3,7,8-TCDF	{2.0}	x	0.1	=	0.20
1,2,3,7,8-PeCDF	{1.6}	x	0.05	=	0.080
2,3,4,7,8-PeCDF	{2.0}	x	0.5	=	1.0
1,2,3,4,7,8-HxCDF	{1.4}	x	0.1	=	0.14
1,2,3,6,7,8-HxCDF	{1.3}	x	0.1	=	0.13
2,3,4,6,7,8-HxCDF	{1.3}	x	0.1	=	0.13
1,2,3,7,8,9-HxCDF	{1.6}	x	0.1	=	0.16
1,2,3,4,6,7,8-HpCDF	{2.0}	x	0.01	=	0.020
1,2,3,4,7,8,9-HpCDF	{2.4}	x	0.01	=	0.024
1,2,3,4,6,7,8,9-OCDF	{5.0}	x	0.001	=	0.0050
TOTAL PCDF					1.9

Total EPA TEFs, 1989a: 7.0 pg/L

{...} indicates that the value is that of a Detection Limit.

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TLI Project:
Client Sample

Client Project: Sample Matrix: TLI ID:
Sample Size: Dry Weight: GC Column:

Analytes

2,3,7,8-TCDD
1,2,3,7,8-PeCDD
1,2,3,4,7,8-HxCDD
1,2,3,6,7,8-HxCDD
1,2,3,7,8,9-HxCDD
1,2,3,4,6,7,8-HpCDD
1,2,3,4,6,7,8,9-OCDD
TOTAL PCDD

2,3,7,8-TCDF
1,2,3,7,8-PeCDF
2,3,4,7,8-PeCDF
1,2,3,4,7,8-HxCDF
1,2,3,6,7,8-HxCDF
2,3,4,6,7,8-HxCDF
1,2,3,7,8,9-HxCDF
1,2,3,4,6,7,8-HpCDF
1,2,3,4,7,8,9-HpCDF
1,2,3,4,6,7,8,9-OCDF
TOTAL PCDF

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Del Mar Analytical

TLI Project: **61373** — Toxicity Equivalents Report
Client Sample: **IMJ1266-07H [CDM]** — Analysis File: **T035325**

Client Project:	2003 Prices, Sequoia Network				
Sample Matrix:	WATER	Date Received:	10/24/03	Spike File:	SPMIT32S
TLI ID:	365-63-6A	Date Extracted:	10/26/03	ICal:	TF53183
		Date Analyzed:	10/29/03	ConCal:	T035313
Sample Size:	0.995 L	Dilution Factor:	1	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	T035314	% Lipid:	n/a
GC Column:	DB-5	Analyst:	VSC	% Solids:	n/a

Analytes	Conc. (pg/L)		TEF		Equivalent
2,3,7,8-TCDD	{2.4}	x	1.	=	2.4
1,2,3,7,8-PeCDD	{3.5}	x	0.5	=	1.8
1,2,3,4,7,8-HxCDD	{2.3}	x	0.1	=	0.23
1,2,3,6,7,8-HxCDD	{2.1}	x	0.1	=	0.21
1,2,3,7,8,9-HxCDD	{2.3}	x	0.1	=	0.23
1,2,3,4,6,7,8-HpCDD	{3.6}	x	0.01	=	0.036
1,2,3,4,6,7,8,9-OCDD	23.1	x	0.001	=	0.0231
TOTAL PCDD					4.9
2,3,7,8-TCDF	{2.0}	x	0.1	=	0.20
1,2,3,7,8-PeCDF	{1.7}	x	0.05	=	0.085
2,3,4,7,8-PeCDF	{2.1}	x	0.5	=	1.1
1,2,3,4,7,8-HxCDF	{1.5}	x	0.1	=	0.15
1,2,3,6,7,8-HxCDF	{1.4}	x	0.1	=	0.14
2,3,4,6,7,8-HxCDF	{1.5}	x	0.1	=	0.15
1,2,3,7,8,9-HxCDF	{1.8}	x	0.1	=	0.18
1,2,3,4,6,7,8-HpCDF	{2.1}	x	0.01	=	0.021
1,2,3,4,7,8,9-HpCDF	{2.5}	x	0.01	=	0.025
1,2,3,4,6,7,8,9-OCDF	{5.2}	x	0.001	=	0.0052
TOTAL PCDF					2.1

Total EPA TEFs, 1989a: 7.0 pg/L

{...} indicates that the value is that of a Detection Limit.

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TLI Project: **61373** — Toxicity Equivalents Report
Client Sample: **IMJ1266-08H [CDM]** — Analysis File: **T035326**

Client Project:	2003 Prices, Sequoia Network				
Sample Matrix:	WATER	Date Received:	10/24/03	Spike File:	SPMIT32S
TLI ID:	365-63-7A	Date Extracted:	10/26/03	ICal:	TF53183
		Date Analyzed:	10/29/03	ConCal:	T035313
Sample Size:	0.990 L	Dilution Factor:	1	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	T035314	% Lipid:	n/a
GC Column:	DB-5	Analyst:	VSC	% Solids:	n/a

Analytes	Conc. (pg/L)		TEF		Equivalent
2,3,7,8-TCDD	{2.9}	x	1.	=	2.9
1,2,3,7,8-PeCDD	{4.7}	x	0.5	=	2.4
1,2,3,4,7,8-HxCDD	{3.0}	x	0.1	=	0.30
1,2,3,6,7,8-HxCDD	{2.7}	x	0.1	=	0.27
1,2,3,7,8,9-HxCDD	{3.0}	x	0.1	=	0.30
1,2,3,4,6,7,8-HpCDD	{5.0}	x	0.01	=	0.050
1,2,3,4,6,7,8,9-OCDD	[16.9]	x	0.001	=	0.0169
TOTAL PCDD					6.2
2,3,7,8-TCDF	{2.2}	x	0.1	=	0.22
1,2,3,7,8-PeCDF	{2.1}	x	0.05	=	0.11
2,3,4,7,8-PeCDF	{2.6}	x	0.5	=	1.3
1,2,3,4,7,8-HxCDF	{2.0}	x	0.1	=	0.20
1,2,3,6,7,8-HxCDF	{1.9}	x	0.1	=	0.19
2,3,4,6,7,8-HxCDF	{1.9}	x	0.1	=	0.19
1,2,3,7,8,9-HxCDF	{2.3}	x	0.1	=	0.23
1,2,3,4,6,7,8-HpCDF	{2.6}	x	0.01	=	0.026
1,2,3,4,7,8,9-HpCDF	{3.2}	x	0.01	=	0.032
1,2,3,4,6,7,8,9-OCDF	{7.3}	x	0.001	=	0.0073
TOTAL PCDF					2.5

Total EPA TEFs, 1989a: 8.7 pg/L

[...] indicates that the value is that of an EMPC.
{...} indicates that the value is that of a Detection Limit.

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TLI Project: **61373** — Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **TLI Blank** — Analysis File: **T035314**

Client Project:	2003 Prices, Sequoia Network				
Sample Matrix:	WATER	Date Received:	/ /	Spike File:	SPMIT32S
TLI ID:	TLI Blank	Date Extracted:	10/26/2003	ICal:	TF53183
		Date Analyzed:	10/29/2003	ConCal:	T035313
Sample Size:	1.000 L	Dilution Factor:	n/a	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	T035314	% Lipid:	n/a
GC Column:	DB-5	Analyst:	VSC	% Solids:	n/a

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	ND	2.6				
1,2,3,7,8-PeCDD	ND	3.6				
1,2,3,4,7,8-HxCDD	ND	3.3				
1,2,3,6,7,8-HxCDD	ND	3.1				
1,2,3,7,8,9-HxCDD	ND	3.3				
1,2,3,4,6,7,8-HpCDD	ND	5.0				
1,2,3,4,6,7,8,9-OCDD	ND	9.9				
2,3,7,8-TCDF	ND	2.1				
1,2,3,7,8-PeCDF	ND	1.8				
2,3,4,7,8-PeCDF	ND	2.3				
1,2,3,4,7,8-HxCDF	ND	2.0				
1,2,3,6,7,8-HxCDF	ND	1.9				
2,3,4,6,7,8-HxCDF	ND	2.0				
1,2,3,7,8,9-HxCDF	ND	2.4				
1,2,3,4,6,7,8-HpCDF	ND	3.0				
1,2,3,4,7,8,9-HpCDF	ND	3.7				
1,2,3,4,6,7,8,9-OCDF	ND	7.7				

Totals	Conc. (pg/L)	Number	DL	EMPC	Flags
Total TCDD	ND		2.6		
Total PeCDD	ND		3.6		
Total HxCDD	ND		3.2		
Total HpCDD	ND		5.0		
Total TCDF	ND		2.1		
Total PeCDF	ND		2.0		
Total HxCDF	ND		2.1		
Total HpCDF	ND		3.3		

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TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **TLI Blank** Analysis File: **T035314**

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,7,8-TCDF	1370	68.3	40%-135%	0.74	26:12	___
$^{13}C_{12}$-2,3,7,8-TCDD	1420	71.2	40%-135%	0.82	26:54	___
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1360	67.8	40%-135%	1.56	30:06	___
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1340	67.2	40%-135%	1.47	31:07	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1680	84.0	40%-135%	0.51	33:36	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1490	74.5	40%-135%	1.22	34:16	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1470	73.4	40%-135%	0.44	36:30	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1520	75.8	40%-135%	1.03	37:32	___
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	2190	54.8	40%-135%	0.88	41:11	___

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1620	80.9	40%-135%	1.52	30:47	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1630	81.3	40%-135%	0.50	33:30	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1470	73.4	40%-135%	1.20	34:11	___
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1510	75.3	40%-135%	0.42	38:03	___

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	146	73.1	40%-135%	26:55	___

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1490	74.4	40%-135%	0.50	34:51	___
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1560	78.2	40%-135%	0.51	34:05	___

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.83	26:41	___
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.19	34:35	___

Data Reviewer: _____ 10/29/2003

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Initial ....Date...

Data Review By: [signature] 10/29/03

Calculated Noise Height: 0.04

The Total Area for each peak with an ion abundance ratio outside ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035314B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF						0.65-0.89				0.875-1.073			
304-306	DC	NL				Height	0.15	0.08	0.07				
D	D	SN		23:43	RO	0.98	0.73			0.905			
304-306		0	Peaks				0.00						
13C12-TCDF						0.65-0.89				0.962-1.038			
316-318	DC	NL				Height	0.15	0.08	0.07				
	DC	WL		24:14	RO	1.24	1.24			0.925			
				25:51	RO	0.92	0.76	0.33	0.36	0.987			
				26:12		0.74	390.33	166.49	223.84	1.000	13C12-2378-TCDF	IS0	
						Height	84.87	35.50	49.37				
				26:38		0.70	4.84	1.99	2.85	1.017			
				26:55	RO	1.09	1.19	0.73	0.67	1.027			
316-318		4	Peaks				397.12						
---------- Above: TCDF / TCDD Follows ----------													
TCDD						0.65-0.89				0.900-1.043			
320-322	DC	NL				Height	0.14	0.07	0.07				
	DC	SN		24:42	RO	0.58	0.16			0.918			
	DC	SN		24:52	RO	2.60	0.09			0.924	1379-TCDD		AN
320-322		0	Peaks				0.00						
37Cl-TCDD										0.926-1.074			
328	DC	NL				Height	0.06	0.06					
	DC	WL		24:47			0.15			0.921			
	DC	SN		25:33			0.23			0.950			
				26:20			0.14	0.14		0.979			
				26:55			33.74	33.74		1.001	37Cl-TCDD		CLS
				27:16			0.21	0.21		1.014			
				27:30			0.25	0.25		1.022			
	DC	SN		27:37			0.22			1.027			
				28:11			0.16	0.16		1.048			
				28:21			0.39	0.39		1.054			
328		6	Peaks				34.89						
13C12-TCDD						0.65-0.89				0.926-1.074			
332-334	DC	NL				Height	0.16	0.09	0.07				
				26:41		0.83	422.62	191.16	231.46	0.992	13C12-1234-TCDD	RS1	
				26:54		0.82	282.13	127.24	154.89	1.000	13C12-2378-TCDD	IS1	
						Height	61.10	27.17	33.93				
				27:32	RO	1.70	0.71	0.68	0.40	1.024			
				27:49	RO	0.97	0.85	0.37	0.38	1.034			
				28:18	RO	1.39	0.41	0.32	0.23	1.052			

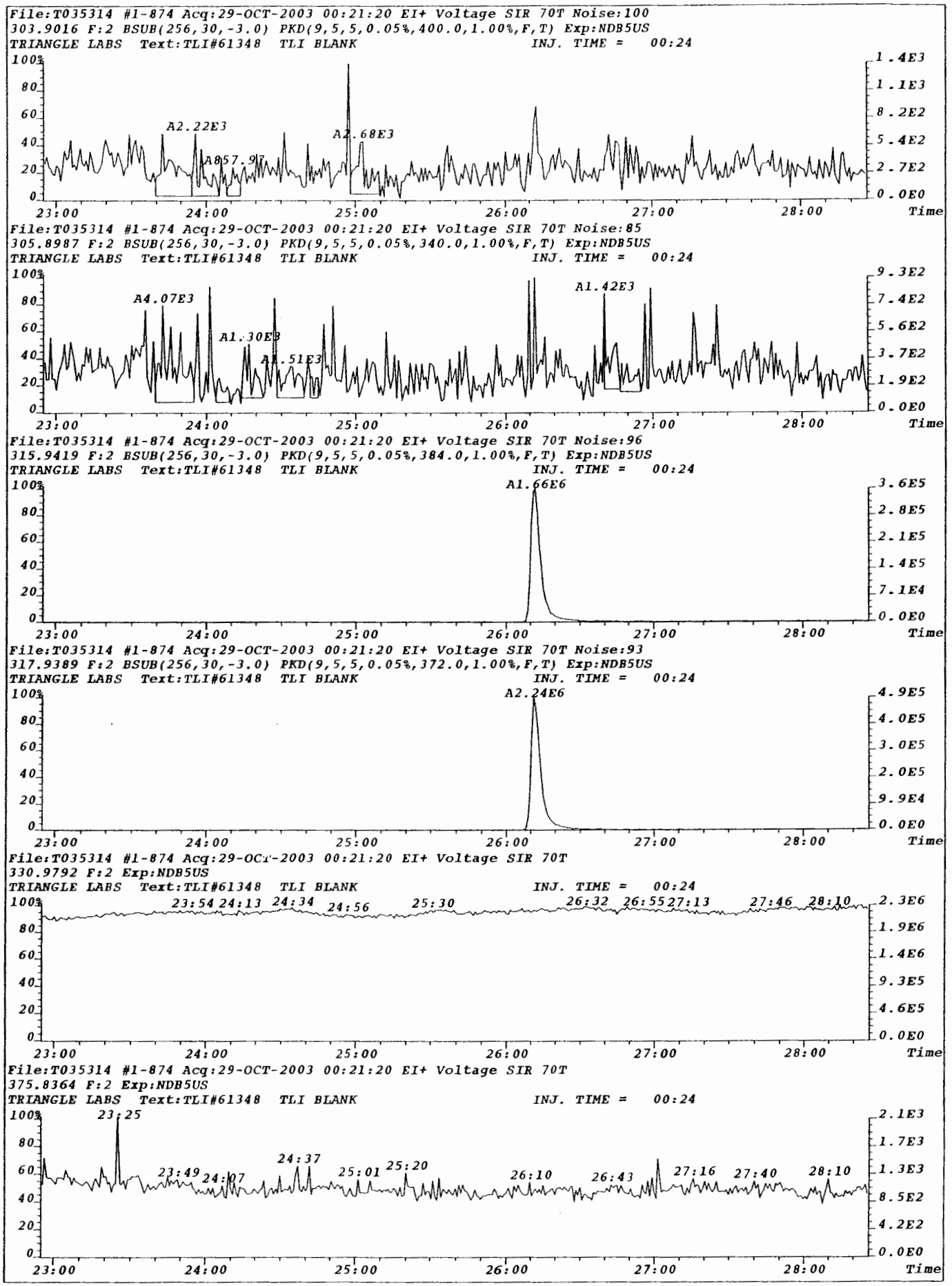
Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
332-334			5 Peaks				706.72						
				---------- Above: TCDD / PeCDF Follows ----------									
PeCDF				1.32-1.78						0.929-1.061			
340-342	DC	NL				Height	0.14	0.07	0.07				
D	D	SN	30:48	RO	0.55		0.36			1.023	23478-PeCDF		AN
340-342			0 Peaks				0.00						
13C12-PeCDF				1.32-1.78						0.867-1.133			
352-354	DC	NL				Height	0.12	0.06	0.06				
	DC	SN	29:46			1.67	0.48			0.989			
			30:06			1.56	313.04	190.74	122.30	1.000	13C12-PeCDF 123	IS2	
						Height	85.26	51.85	33.41				
			30:23	RO	1.21		8.36	3.97	3.28	1.009			
			30:37	RO	2.29		0.61	0.55	0.24	1.017			
			30:47			1.52	342.02	206.42	135.60	1.023	13C12-PeCDF 234	SUR1	
			31:07	RO	2.04		2.68	2.14	1.05	1.034			
			31:25	RO	2.24		0.54	0.47	0.21	1.044			
			31:50	RO	0.92		2.48	1.51	1.64	1.058			
352-354			7 Peaks				669.73						
				---------- Above: PeCDF / PeCDD Follows ----------									
PeCDD				1.32-1.78						0.938-1.021			
356-358	DC	NL				Height	0.12	0.06	0.06				
356-358			0 Peaks				0.00						
13C12-PeCDD				1.32-1.78						0.871-1.129			
368-370	DC	NL				Height	0.12	0.06	0.06				
			30:14	RO	1.95		0.94	0.72	0.37	0.972			
	DC	SN	30:25			1.67	0.56			0.978			
			31:07			1.47	180.52	107.41	73.11	1.000	13C12-PeCDD 123	IS3	
						Height	47.67	26.80	20.87				
			31:30	RO	1.15		0.51	0.23	0.20	1.012			
			31:35	RO	1.15		0.33	0.15	0.13	1.015			
	DC	SN	31:55	RO	0.45		0.21			1.026			
368-370			4 Peaks				182.30						
				---------- Above: PeCDD / HxCDF Follows ----------									
HxCDF				1.05-1.43						0.964-1.045			
374-376	DC	NL				Height	0.12	0.06	0.06				
	DC	SN	33:01	RO	1.00		0.13			0.983			
D	D	SN	33:31			1.30	0.46			0.998	123478-HxCDF		AN
	DC	SN	33:37			1.07	0.31			1.000	123678-HxCDF		AN
	DC	SN	33:43	RO	0.71		0.09			1.003			
374-376			0 Peaks				0.00						
13C12-HxCDF				0.43-0.59						0.881-1.119			
384-386	DC	NL				Height	0.10	0.05	0.05				
			32:35	RO	1.08		0.36	0.26	0.24	0.970			

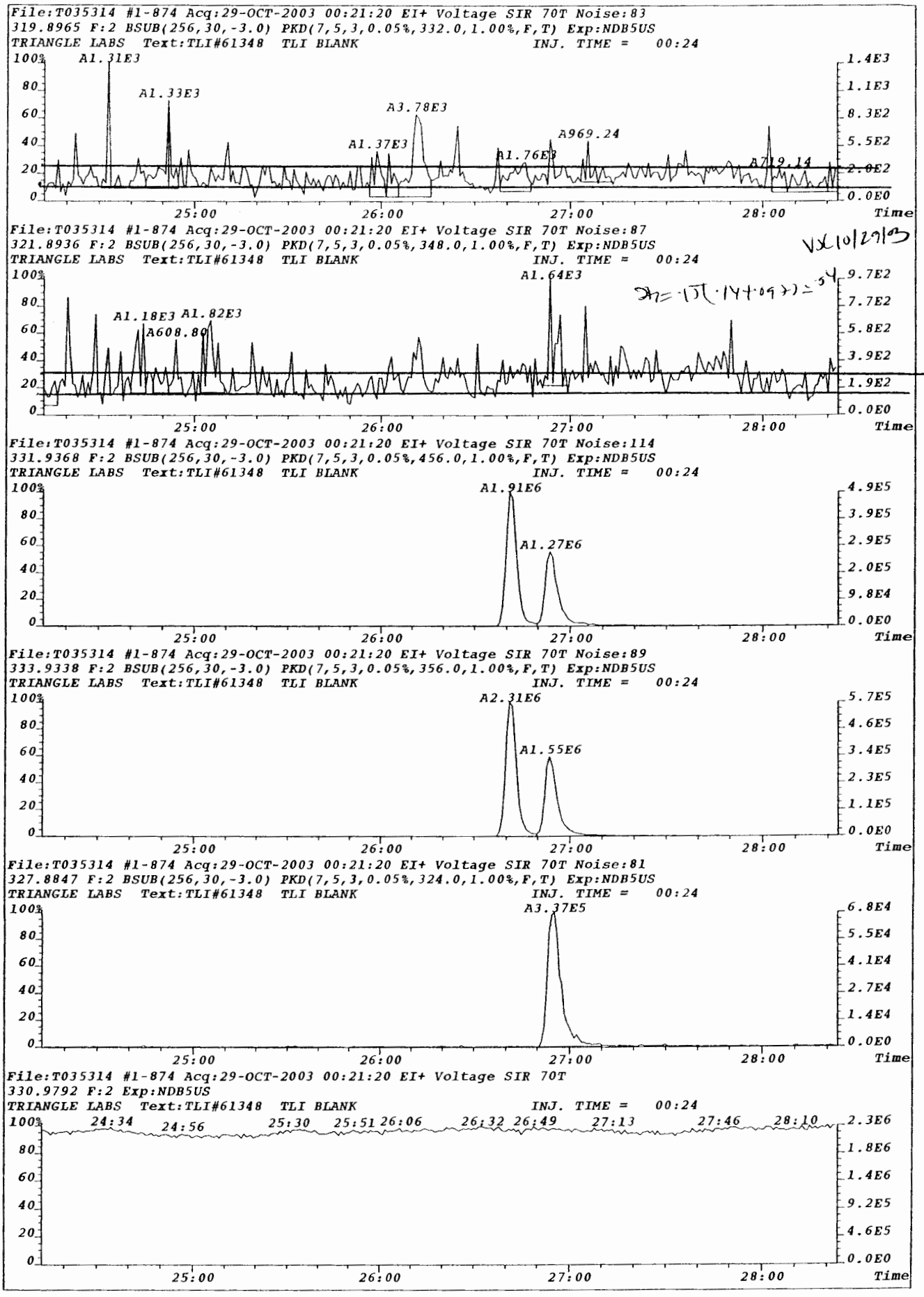
Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
	DC	SN		32:44	RO	1.00	0.29			0.974			
				33:30		0.50	263.26	87.49	175.77	0.997	13C12-HxCDF 478	SUR2	
				33:36		0.51	294.74	99.85	194.89	1.000	13C12-HxCDF 678	IS4	
					Height		86.17	29.60	56.57				
				34:05		0.51	272.17	92.02	180.15	1.014	13C12-HxCDF 234	ALT2	
				34:21	RO	1.03	0.59	0.40	0.39	1.022			
				34:29	RO	0.14	0.27	0.09	0.64	1.026			
				34:34	RO	0.63	0.59	0.20	0.32	1.029			
				34:51		0.50	223.86	74.88	148.98	1.037	13C12-HxCDF 789	ALT1	
384-386		8	Peaks				1,055.84						
---------- Above: HxCDF / HxCDD Follows ----------													
HxCDD						1.05-1.43				0.960-1.014			
390-392	DC	NL			Height		0.11	0.05	0.06				
	DC	SN		33:20	RO	3.00	0.04			0.973			
	DC	SN		33:27	RO	3.30	0.22			0.976			
	DC	SN		33:55	RO	0.18	0.04			0.990			
	DC	SN		34:03	RO	3.22	0.20			0.994			
	DC	SN		34:36	RO	0.89	0.14			1.010	123789-HxCDD	AN	
	DC	WH		34:53	RO	4.00	0.09			1.018			
390-392		0	Peaks				0.00						
13C12-HxCDD						1.05-1.43				0.971-1.029			
402-404	DC	NL			Height		0.12	0.06	0.06				
				33:42	RO	1.00	1.81	0.81	0.81	0.983			
				34:11		1.20	187.30	102.18	85.12	0.998	13C12-HxCDD 478	SUR3	
				34:16		1.22	207.39	114.12	93.27	1.000	13C12-HxCDD 678	IS5	
					Height		60.70	33.85	26.85				
				34:35		1.19	272.37	148.22	124.15	1.009	13C12-HxCDD 789	RS2	
				34:46	RO	3.68	0.83	1.36	0.37	1.015			
				34:55	RO	9.17	0.13	0.55	0.06	1.019			
				35:04	RO	2.20	0.34	0.33	0.15	1.023			
402-404		7	Peaks				670.17						
---------- Above: HxCDD / HpCDF Follows ----------													
HpCDF						0.88-1.20				0.996-1.047			
408-410	DC	NL			Height		0.10	0.05	0.05				
408-410		0	Peaks				0.00						
13C12-HpCDF						0.37-0.51				0.945-1.110			
418-420	DC	NL			Height		0.13	0.07	0.06				
				36:30		0.44	173.96	52.92	121.04	1.000	13C12-HpCDF 678	IS6	
					Height		44.46	13.65	30.81				
				36:45	RO	1.11	0.50	0.39	0.35	1.007			
	DC	SN		36:58	RO	1.46	0.19			1.013			
	DC	SN		37:12	RO	1.06	0.23			1.019			
				38:03		0.42	147.46	43.40	104.06	1.042	13C12-HpCDF 789	SUR4	
418-420		3	Peaks				321.92						

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
---------- Above: HpCDF / HpCDD Follows ----------													
HpCDD						0.88-1.20				0.976-1.005			
424-426	DC	NL				Height	0.11	0.06	0.05				
	DC	WH		38:02		1.06	0.70			1.013			
424-426			0 Peaks				0.00						
13C12-HpCDD						0.88-1.20				0.973-1.027			
436-438	DC	NL				Height	0.17	0.10	0.07				
				37:32		1.03	157.18	79.58	77.60	1.000	13C12-HpCDD	678	IS7
						Height	40.28	20.33	19.95				
				37:45	RO	1.90	0.86	0.80	0.42	1.006			
436-438			2 Peaks				158.04						
---------- Above: HpCDD / Octa-CDD and CDF Follows ----------													
OCDF						0.76-1.02				0.903-1.097			
442-444	DC	NL				Height	0.11	0.06	0.05				
	DC	SN		37:14	RO	0.53	0.19			0.904			
	DC	SN		42:11	RO	0.67	0.25			1.024			
	DC	SN		44:03		0.84	0.46			1.070			
442-444			0 Peaks				0.00						
OCDD						0.76-1.02				0.903-1.097			
458-460	DC	NL				Height	0.10	0.05	0.05				
	DC	SN		41:12	RO	2.29	0.13			1.000	OCDD		AN
458-460			0 Peaks				0.00						
13C12-OCDD						0.76-1.02				0.997-1.005			
470-472	DC	NL				Height	0.10	0.05	0.05				
				41:11		0.88	206.48	96.89	109.59	1.000	13C12-OCDD		IS8
						Height	40.15	19.15	21.00				
470-472			1 Peak				206.48						

Column Description.....	"Why" Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.l -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

*** End of Report ***


File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:100
303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,400.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A2.22E3
A857.97
A2.68E3
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:85
305.8987 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,340.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A4.07E3
A1.30E3
A1.51E3
A1.42E3
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:96
315.9419 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,384.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A1.66E6
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:93
317.9389 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,372.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A2.24E6
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
23:54 24:13 24:34 24:56 25:30 26:32 26:55 27:13 27:46 28:10
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
375.8364 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
23:25
23:49 24:07 24:37 25:01 25:20 26:10 26:43 27:16 27:40 28:10
Time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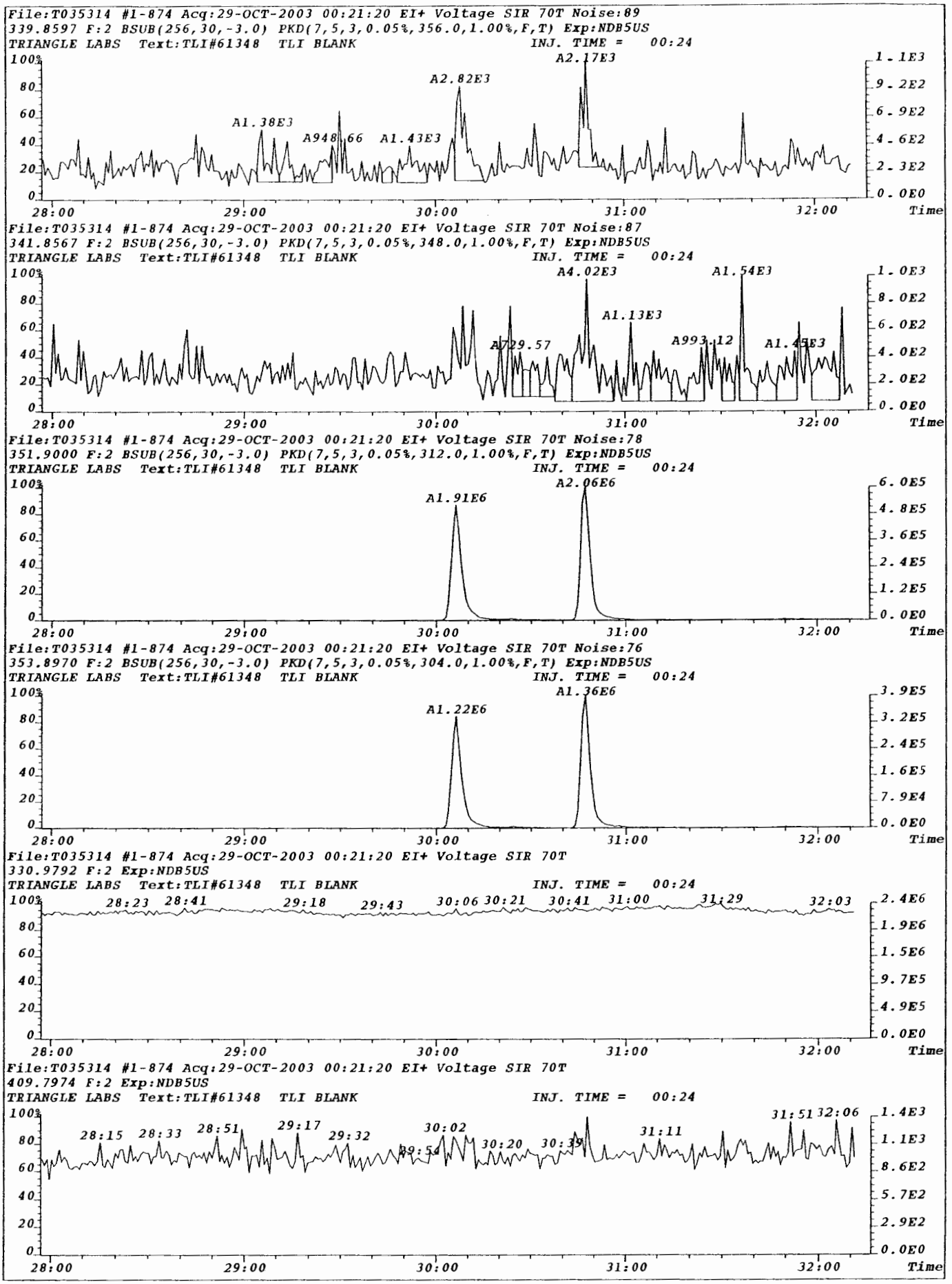
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,332.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A1.31E3
A1.33E3
A3.78E3
A1.37E3
A1.76E3
A969.24
A719.14
Time
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:87
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,348.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A1.64E3
A1.18E3
A1.82E3
A608.80
Time
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:114
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,456.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A1.91E6
A1.27E6
Time
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:89
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,356.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A2.31E6
A1.55E6
Time
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:81
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,324.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A3.37E5
Time
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
24:34
24:56
25:30
25:51
26:06
26:32
26:49
27:13
27:46
28:10
Time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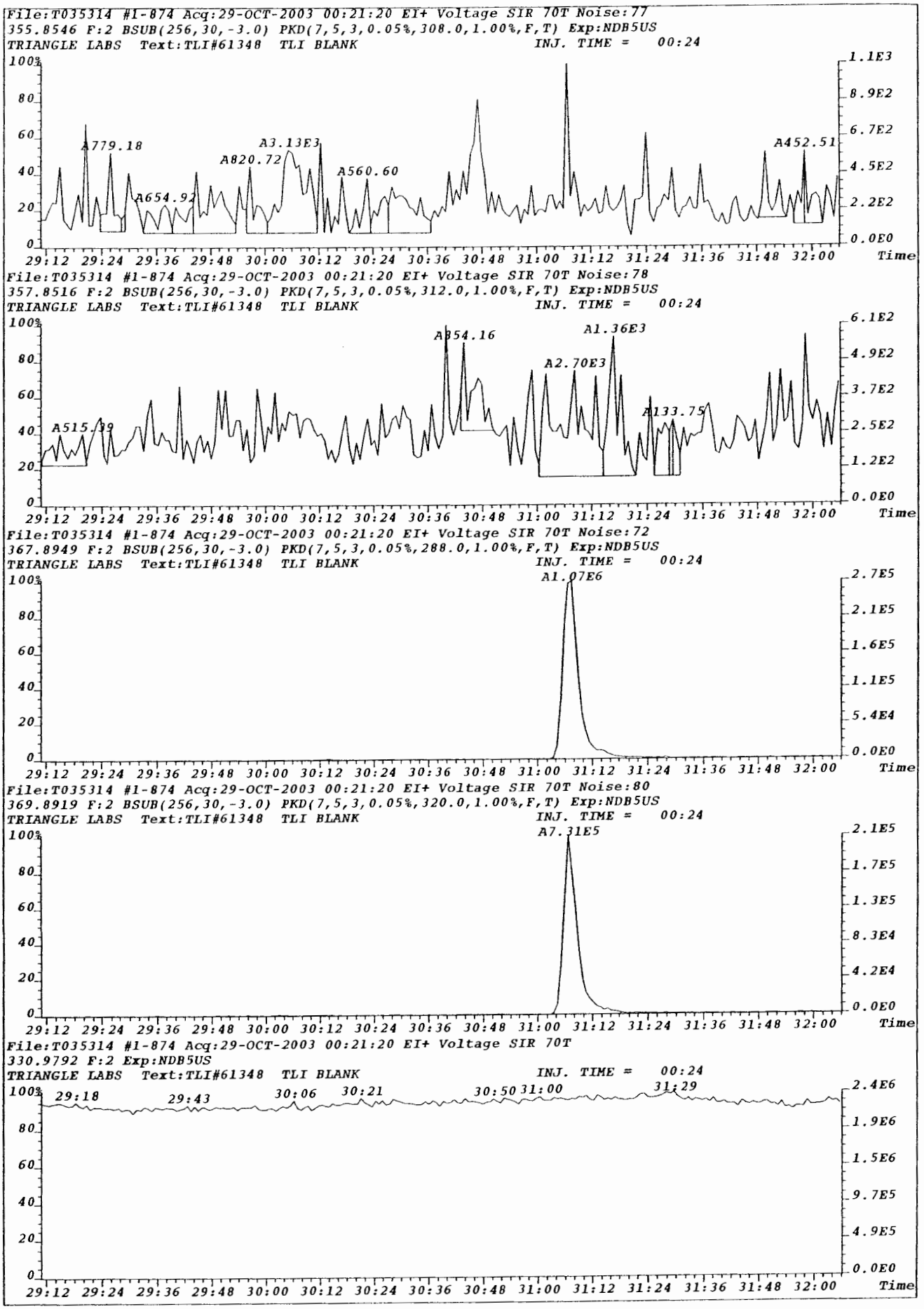
339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,356.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A2.17E3
A2.82E3
A1.38E3
A948.66
A1.43E3
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:87
341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,348.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A4.02E3
A1.54E3
A1.13E3
A729.57
A993.12
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:78
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,312.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A2.06E6
A1.91E6
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:76
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,304.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A1.36E6
A1.22E6
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
28:23 28:41 29:18 29:43 30:06 30:21 30:41 31:00 31:29 32:03
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
28:15 28:33 28:51 29:17 29:32 30:02 30:20 31:11 31:51 32:06
28:00 29:00 30:00 31:00 32:00 Time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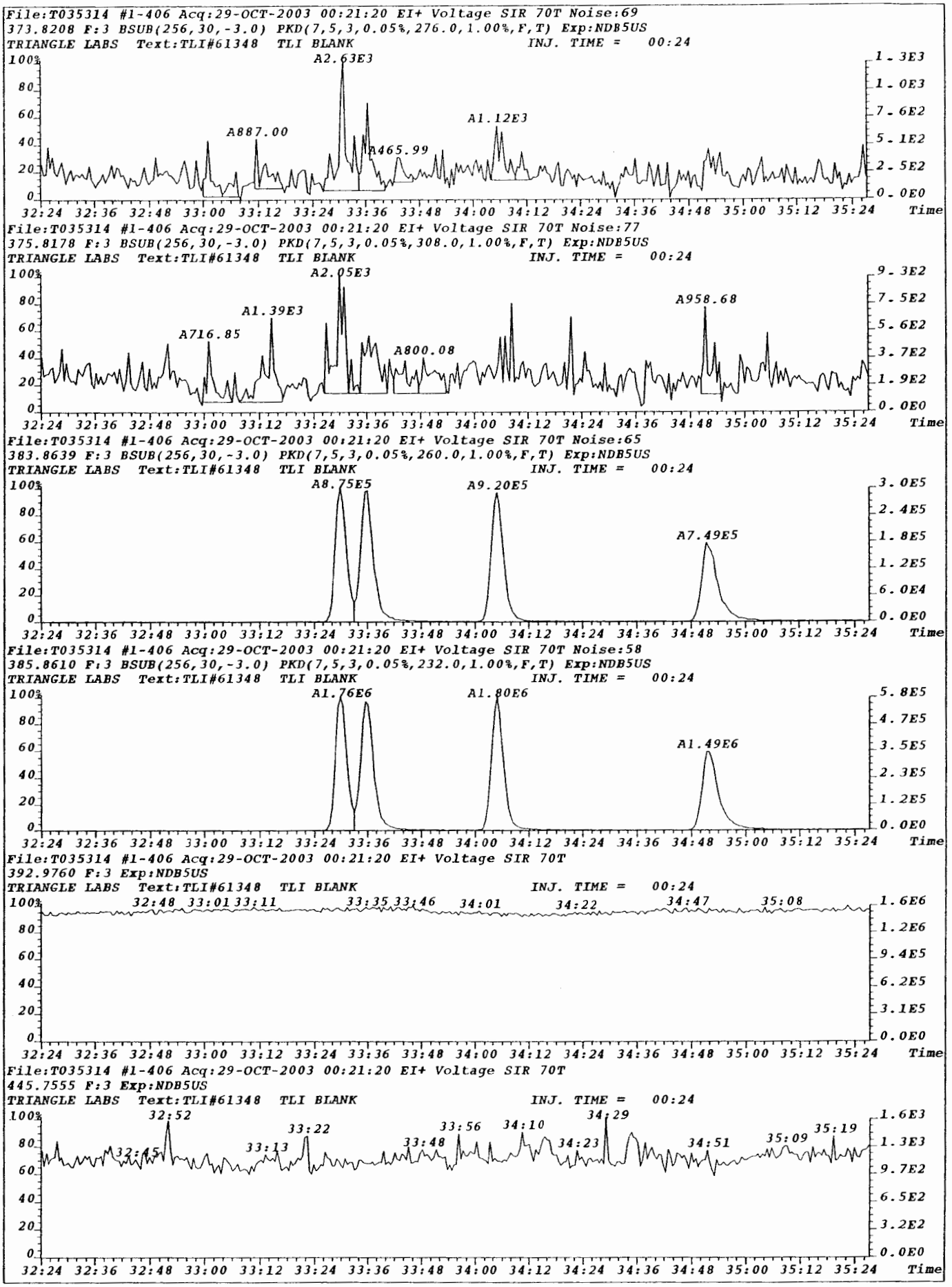
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,308.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A779.18
A654.92
A820.72
A3.13E3
A560.60
A452.51
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:78
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,312.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A515.39
A354.16
A2.70E3
A1.36E3
A133.75
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:72
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A1.07E6
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:80
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,320.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A7.31E5
File:T035314 #1-874 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
29:18
29:43
30:06
30:21
30:50
31:00
31:29
Time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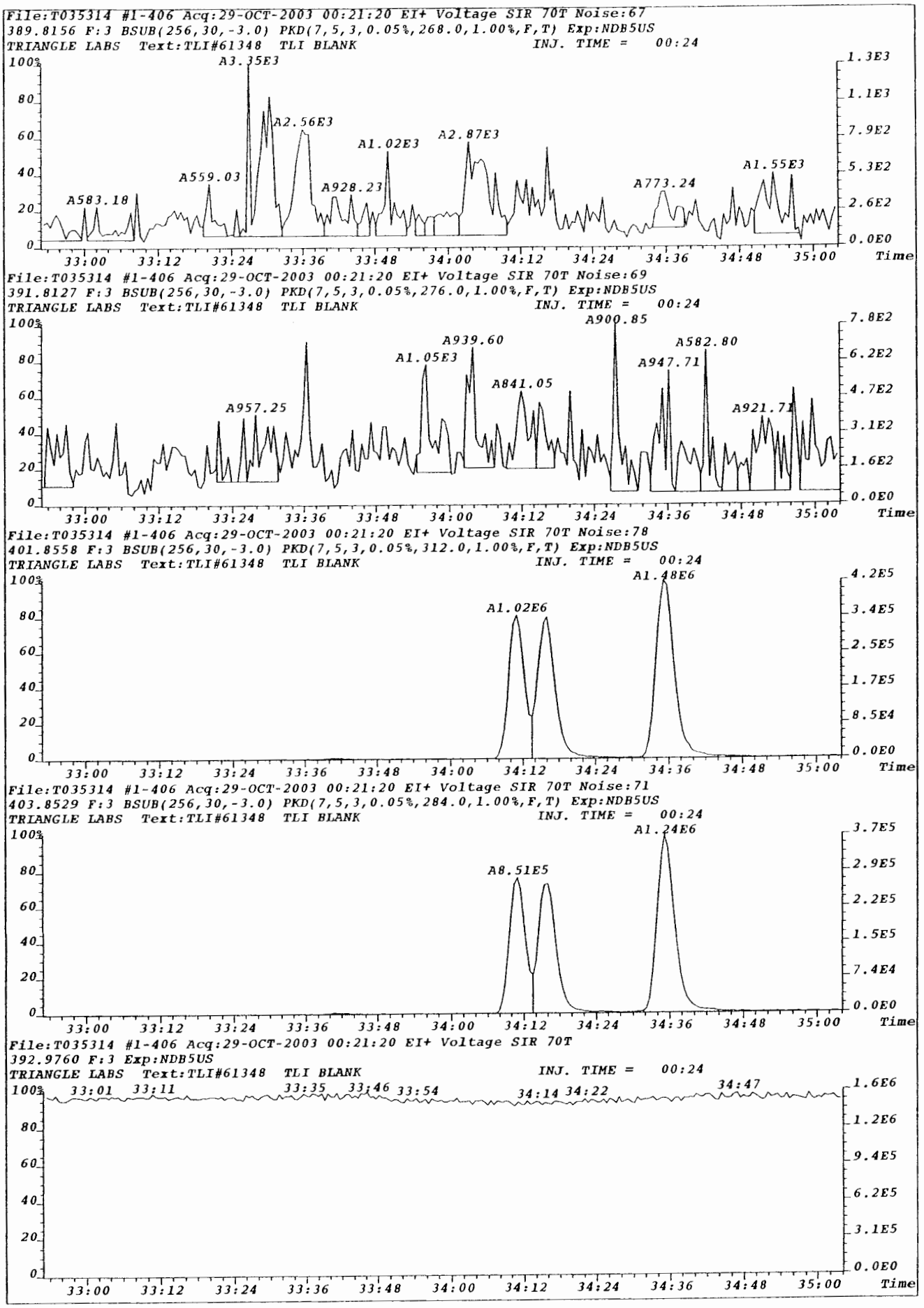
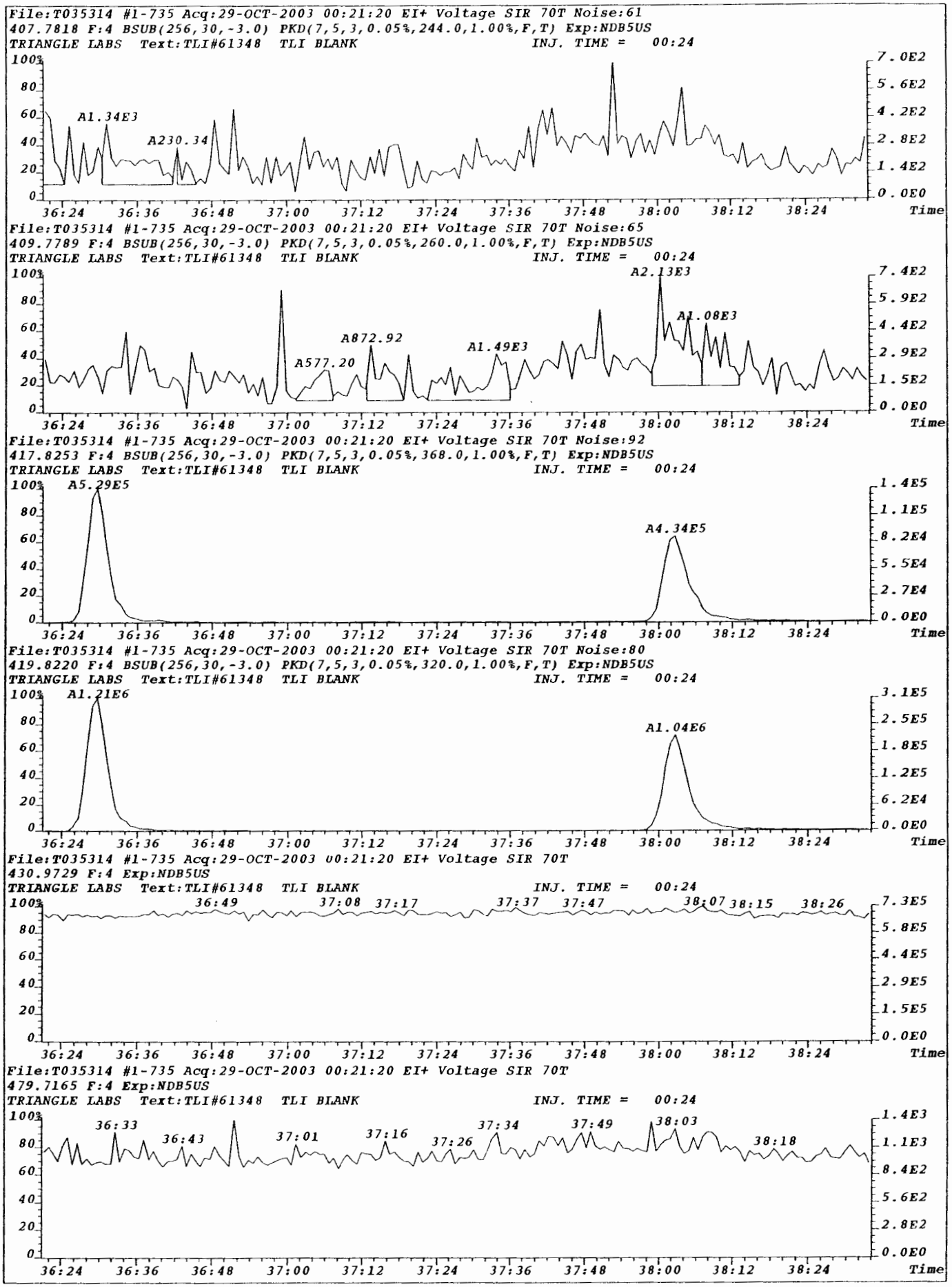
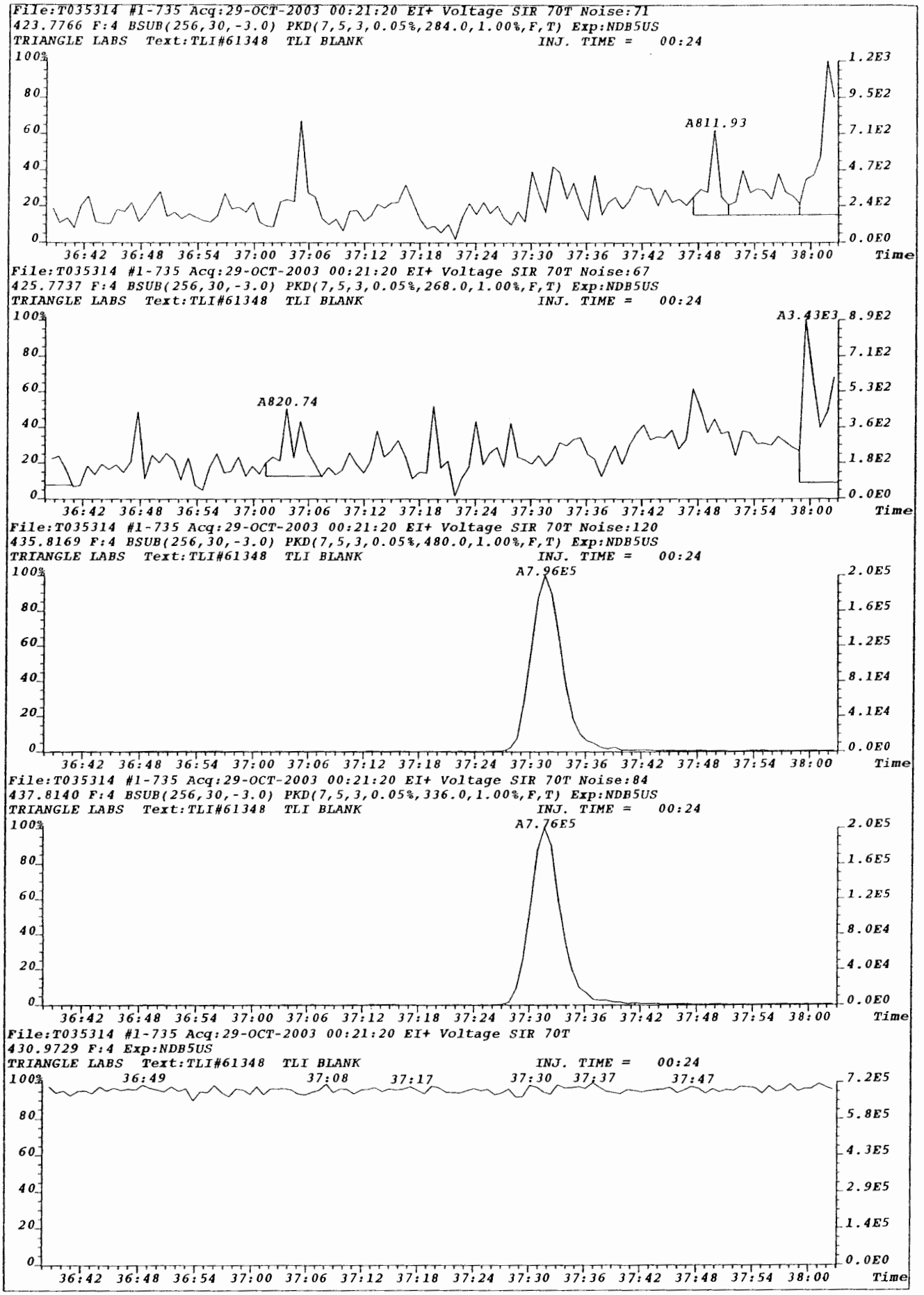
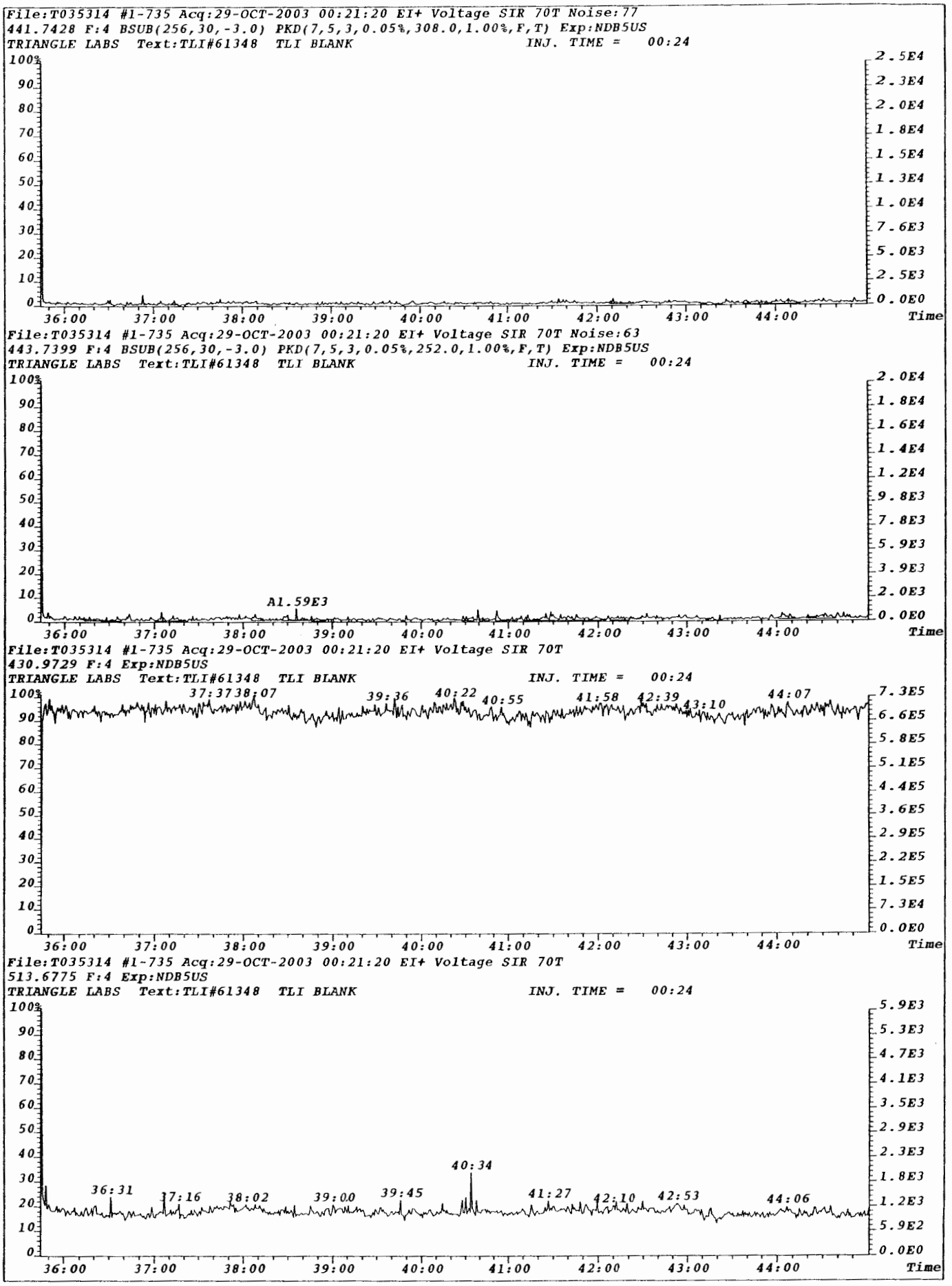
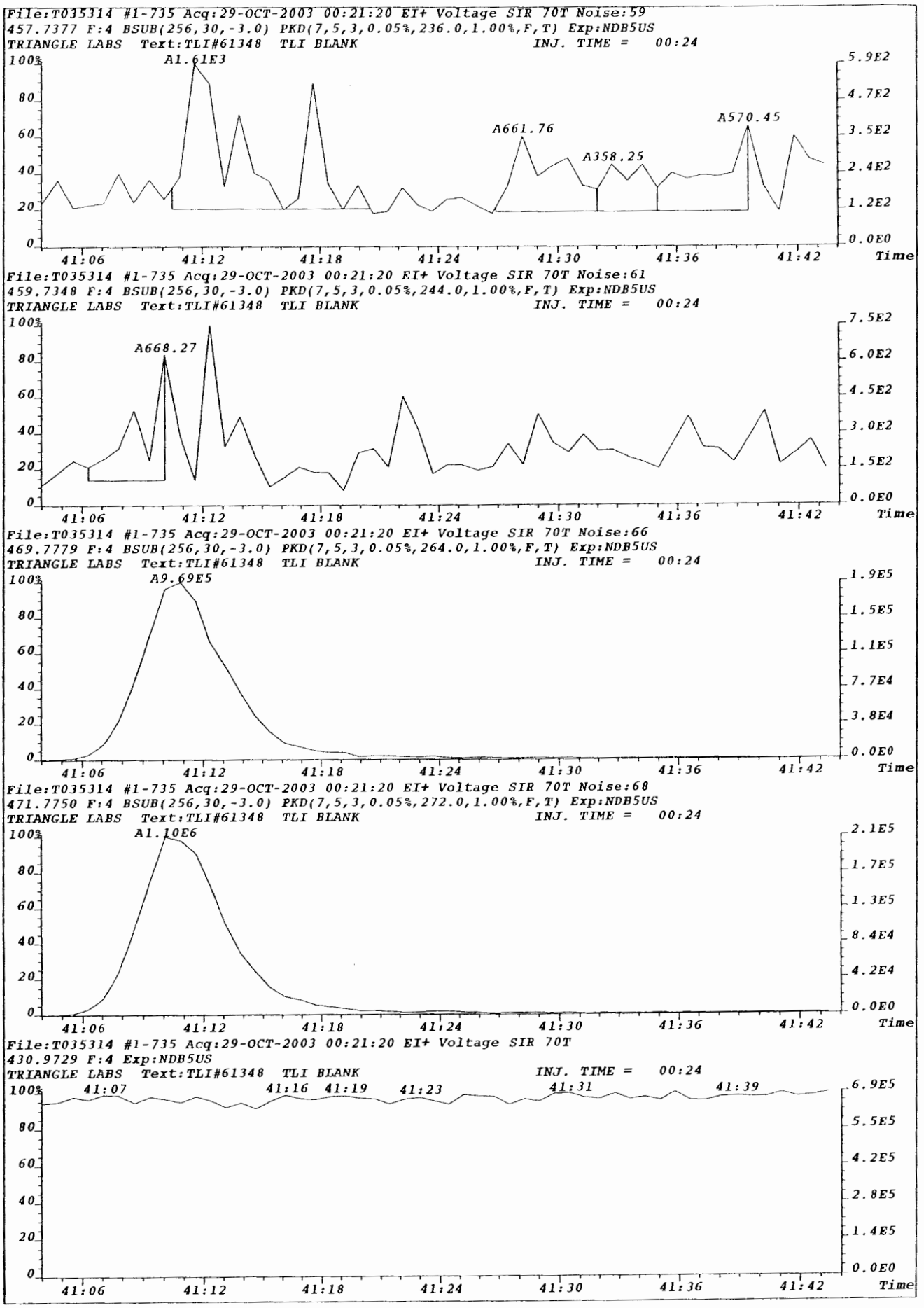
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A2.63E3
A887.00
A465.99
A1.12E3
File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:77
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,308.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A2.05E3
A1.39E3
A716.85
A800.08
A958.68
File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:65
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A8.75E5
A9.20E5
A7.49E5
File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:58
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,232.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A1.76E6
A1.80E6
A1.49E6
File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
32:52
32:45
33:22
33:13
33:48
33:56
34:10
34:29
34:23
34:51
35:09
35:19
Time

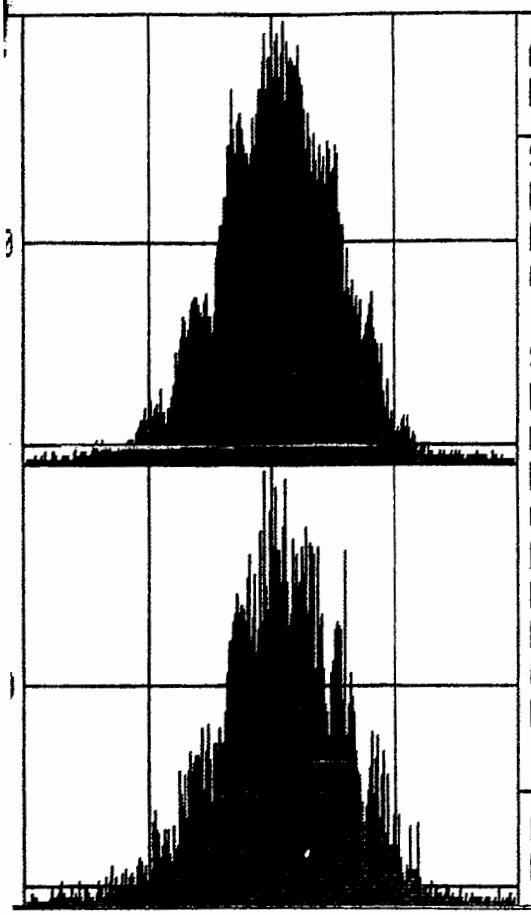

File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:67
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A583.18
A559.03
A3.35E3
A2.56E3
A928.23
A1.02E3
A2.87E3
A773.24
A1.55E3
Time
File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:69
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A957.25
A1.05E3
A939.60
A841.05
A900.85
A947.71
A582.80
A921.71
Time
File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:78
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,312.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A1.02E6
A1.48E6
Time
File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:71
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A8.51E5
A1.24E6
Time
File:T035314 #1-406 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
33:01
33:11
33:35
33:46
33:54
34:14
34:22
34:47
Time


File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:61
407.7818 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A1.34E3
A230.34
7.0E2
5.6E2
4.2E2
2.8E2
1.4E2
0.0E0
36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:65
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A2.13E3
A1.08E3
A872.92
A1.49E3
A577.20
7.4E2
5.9E2
4.4E2
2.9E2
1.5E2
0.0E0
36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:92
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,368.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A5.29E5
A4.34E5
1.4E5
1.1E5
8.2E4
5.5E4
2.7E4
0.0E0
36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:80
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,320.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A1.21E6
A1.04E6
3.1E5
2.5E5
1.8E5
1.2E5
6.2E4
0.0E0
36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
36:49 37:08 37:17 37:37 37:47 38:07 38:15 38:26
7.3E5
5.8E5
4.4E5
2.9E5
1.5E5
0.0E0
36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
36:33 36:43 37:01 37:16 37:26 37:34 37:49 38:03 38:18
1.4E3
1.1E3
8.4E2
5.6E2
2.8E2
0.0E0
36:24 36:36 36:48 37:00 37:12 37:24 37:36 37:48 38:00 38:12 38:24 Time


File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:71
423.7766 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A811.93
Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:67
425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A3.43E3
A820.74
Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:120
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,480.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A7.96E5
Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:84
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,336.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A7.76E5
Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
Time


File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:77
441.7428 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,308.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:63
443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
A1.59E3
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
37:37 38:07 39:36 40:22 40:55 41:58 42:39 43:10 44:07
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK INJ. TIME = 00:24
36:31 37:16 38:02 39:00 39:45 40:34 41:27 42:10 42:53 44:06
36:00 37:00 38:00 39:00 40:00 41:00 42:00 43:00 44:00 Time


File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:59
457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A1.61E3
A661.76
A358.25
A570.45
5.9E2
4.7E2
3.5E2
2.4E2
1.2E2
0.0E0
41:06
41:12
41:18
41:24
41:30
41:36
41:42
Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:61
459.7348 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A668.27
7.5E2
6.0E2
4.5E2
3.0E2
1.5E2
0.0E0
Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:66
469.7779 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A9.69E5
1.9E5
1.5E5
1.1E5
7.7E4
3.8E4
0.0E0
Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T Noise:68
471.7750 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
A1.10E6
2.1E5
1.7E5
1.3E5
8.4E4
4.2E4
0.0E0
Time
File:T035314 #1-735 Acq:29-OCT-2003 00:21:20 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI BLANK
INJ. TIME = 00:24
41:07
41:16
41:19
41:23
41:31
41:39
6.9E5
5.5E5
4.2E5
2.8E5
1.4E5
0.0E0
Time



Channel I 330.9792			Peak top
Height .36 volts		Span	200 ppm
System file name			NDB5US
Data file name			A:T029031
Resolution			10000
Group number			2
Ionization mode			EI+
Switching			VOLTAGE
Ref. masses	292.9825,		416.9760
A 293	J 331		S 368
B 304	K 332		T 370
C 306	L 334		U 376
D 316	M 340		V 410
E 318	N 342		
F 320	O 352		
G 322	P 354		
H 328	Q 356		
I 331	R 358		
Ref. mass	416.9760		Peak top
Height .06 volts		Span	200 ppm

Del Mar Analytical

TLI Project: **61373** — Method 8290 PCDD/PCDF Analysis (b)

Client Sample: **IMJ1266-02H [CDM]** — Analysis File: **T035320**

Client Project:	2003 Prices, Sequoia Network				
Sample Matrix:	WATER	Date Received:	10/24/2003	Spike File:	SPMIT32S
TLI ID:	365-63-1A	Date Extracted:	10/26/2003	ICal:	TF53183
		Date Analyzed:	10/29/2003	ConCal:	T035313
Sample Size:	0.945 L	Dilution Factor:	n/a	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	T035314	% Lipid:	n/a
GC Column:	DB-5	Analyst:	VSC	% Solids:	n/a

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	ND	1.5				
1,2,3,7,8-PeCDD	ND	2.0				
1,2,3,4,7,8-HxCDD	ND	1.8				
1,2,3,6,7,8-HxCDD	ND	1.6				
1,2,3,7,8,9-HxCDD	ND	1.8				
1,2,3,4,6,7,8-HpCDD	5.4			1.18	37:32	J
1,2,3,4,6,7,8,9-OCDD	57.4			0.80	41:11	J
2,3,7,8-TCDF	ND	1.2				
1,2,3,7,8-PeCDF	ND	1.0				
2,3,4,7,8-PeCDF	ND	1.3				
1,2,3,4,7,8-HxCDF	ND	1.1				
1,2,3,6,7,8-HxCDF	ND	1.1				
2,3,4,6,7,8-HxCDF	ND	1.1				
1,2,3,7,8,9-HxCDF	ND	1.3				
1,2,3,4,6,7,8-HpCDF	ND	1.6				
1,2,3,4,7,8,9-HpCDF	ND	1.9				
1,2,3,4,6,7,8,9-OCDF	ND	3.7				

Totals	Conc. (pg/L)	Number	DL	EMPC	Flags
Total TCDD	ND		1.5		
Total PeCDD	ND		2.0		
Total HxCDD	5.6	1			
Total HpCDD	5.4	1		11.7	
Total TCDF	ND		1.2		
Total PeCDF	ND		1.2		
Total HxCDF	ND		1.2		
Total HpCDF	ND		1.7		

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TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)

Client Sample: **IMJ1266-02H [CDM]** Analysis File: **T035320**

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,7,8-TCDF	1820	86.0	40%-135%	0.75	26:11	___
$^{13}C_{12}$-2,3,7,8-TCDD	1770	83.6	40%-135%	0.82	26:54	___
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1810	85.8	40%-135%	1.53	30:06	___
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1660	78.6	40%-135%	1.47	31:07	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1890	89.2	40%-135%	0.51	33:36	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1790	84.7	40%-135%	1.20	34:16	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1760	83.4	40%-135%	0.42	36:30	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1890	89.3	40%-135%	1.02	37:32	___
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	2720	64.3	40%-135%	0.87	41:11	___

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2100	99.2	40%-135%	1.54	30:47	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1910	90.2	40%-135%	0.51	33:30	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1670	79.1	40%-135%	1.19	34:11	___
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1800	85.2	40%-135%	0.41	38:02	___

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	176	83.3	40%-135%	26:54	___

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1760	83.0	40%-135%	0.51	34:52	___
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1760	83.3	40%-135%	0.51	34:05	___

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.82	26:41	___
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.20	34:36	___

Data Reviewer: _____ 10/29/2003

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 10:45 10/29/2003

Initial ....Date...

Data Review By: [signature] 10/29/03

Calculated Noise Height: 0.03

The Total Area for each peak with an ion abundance ratio outside ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035320B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF						0.65-0.89			0.875-1.073				
304-306	DC	NL				Height	0.13	0.07	0.06				
	DC	SN		27:55	RO	0.50	0.25		1.066				
304-306			0 Peaks				0.00						
13C12-TCDF						0.65-0.89			0.962-1.038				
316-318	DC	NL				Height	0.13	0.06	0.07				
	DC	WL		24:15		0.67	2.98		0.926				
				25:50	RO	1.07	1.52	0.92	0.86	0.987			
				26:11		0.75	542.44	232.83	309.61	1.000	13C12-2378-TCDF	IS0	
						Height	120.96	51.95	69.01				
				26:42	RO	0.62	3.43	1.49	2.42	1.020			
316-318			3 Peaks				547.39						

---------- Above: TCDF / TCDD Follows ----------

TCDD						0.65-0.89			0.900-1.043				
320-322	DC	NL				Height	0.12	0.06	0.06				
	DC	SN		24:56	RO	0.14	0.05		0.927				
320-322			0 Peaks				0.00						
37Cl-TCDD									0.926-1.074				
328	DC	NL				Height	0.07	0.07					
	DC	WL		24:52			0.18		0.924				
	DC	SN		25:10			0.05		0.936				
	DC	SN		25:14			0.12		0.938				
				25:30			5.27	5.27	0.948				
				25:58			0.18	0.18	0.965				
				26:46			0.20	0.20	0.995				
				26:54			42.45	42.45	1.000	37Cl-TCDD		CLS	
				27:15			0.80	0.80	1.013				
				27:25			0.40	0.40	1.019				
				27:38			0.22	0.22	1.027				
				28:10			0.69	0.69	1.047				
328			8 Peaks				50.21						
13C12-TCDD						0.65-0.89			0.926-1.074				
332-334	DC	NL				Height	0.15	0.09	0.06				
				26:41		0.82	466.44	210.27	256.17	0.992	13C12-1234-TCDD	RS1	
				26:54		0.82	365.37	164.39	200.98	1.000	13C12-2378-TCDD	IS1	
						Height	83.70	38.45	45.25				
				27:27	RO	1.89	0.64	0.68	0.36	1.020			
				27:34		0.67	0.45	0.18	0.27	1.025			
				27:46	RO	0.50	0.37	0.16	0.32	1.032			

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
				27:53		0.69	0.88	0.36	0.52	1.037			
332-334			6 Peaks				834.15						
---------- Above: TCDD / PeCDF Follows ----------													
PeCDF						1.32-1.78				0.929-1.061			
340-342		DC	NL			Height	0.11	0.05	0.06				
		DC	SN	29:18	RO	0.54	0.12			0.973			
	D	D	SN	30:07		1.58	0.49			1.001	12378-PeCDF	AN	
	D	D	SN	30:25	RO	1.80	0.26			1.011			
	D	D	SN	30:48		1.43	0.51			1.023	23478-PeCDF	AN	
		DC	SN	31:29	RO	1.00	0.13			1.046			
340-342			0 Peaks				0.00						
13C12-PeCDF						1.32-1.78				0.867-1.133			
352-354		DC	NL			Height	0.10	0.05	0.05				
				29:18	RO	1.27	1.12	0.56	0.44	0.973			
				30:06		1.53	436.78	264.41	172.37	1.000	13C12-PeCDF 123	IS2	
						Height	119.28	71.70	47.58				
				30:23		1.75	7.18	4.57	2.61	1.009			
				30:47		1.54	462.75	280.84	181.91	1.023	13C12-PeCDF 234	SUR1	
				31:07		1.49	2.42	1.45	0.97	1.034			
				31:29	RO	0.89	0.39	0.24	0.27	1.046			
				31:50		1.32	4.61	2.62	1.99	1.058			
352-354			7 Peaks				915.25						
---------- Above: PeCDF / PeCDD Follows ----------													
PeCDD						1.32-1.78				0.938-1.021			
356-358		DC	NL			Height	0.11	0.06	0.05				
		DC	SN	29:17	RO	0.03	0.10			0.941			
	D	D	SN	29:32	RO	0.29	0.20			0.949			
		DC	SN	30:06	RO	2.33	0.23			0.967			
		DC	SN	30:20	RO	0.88	0.12			0.975			
	D	D	SN	30:47		1.65	0.53			0.989			
		DC	SN	31:00	RO	0.33	0.07			0.996			
		DC	SN	31:06	RO	0.44	0.07			0.999	12378-PeCDD	AN	
		DC	SN	31:15	RO	0.06	0.08			1.004			
	D	D	SN	31:34	RO	0.75	0.15			1.014			
356-358			0 Peaks				0.00						
13C12-PeCDD						1.32-1.78				0.871-1.129			
368-370		DC	NL			Height	0.11	0.06	0.05				
				30:05	RO	1.83	0.74	0.53	0.29	0.967			
				30:12		1.63	1.05	0.65	0.40	0.971			
				30:24	RO	2.42	0.48	0.46	0.19	0.977			
				31:07		1.47	233.16	138.90	94.26	1.000	13C12-PeCDD 123	IS3	
						Height	66.34	40.26	26.08				
				31:37	RO	0.80	0.39	0.24	0.30	1.016			
		DC	SN	31:49	RO	3.14	0.18			1.022			
		DC	SN	31:55	RO	2.56	0.23			1.026			
				32:02	RO	1.00	0.26	0.10	0.10	1.029			

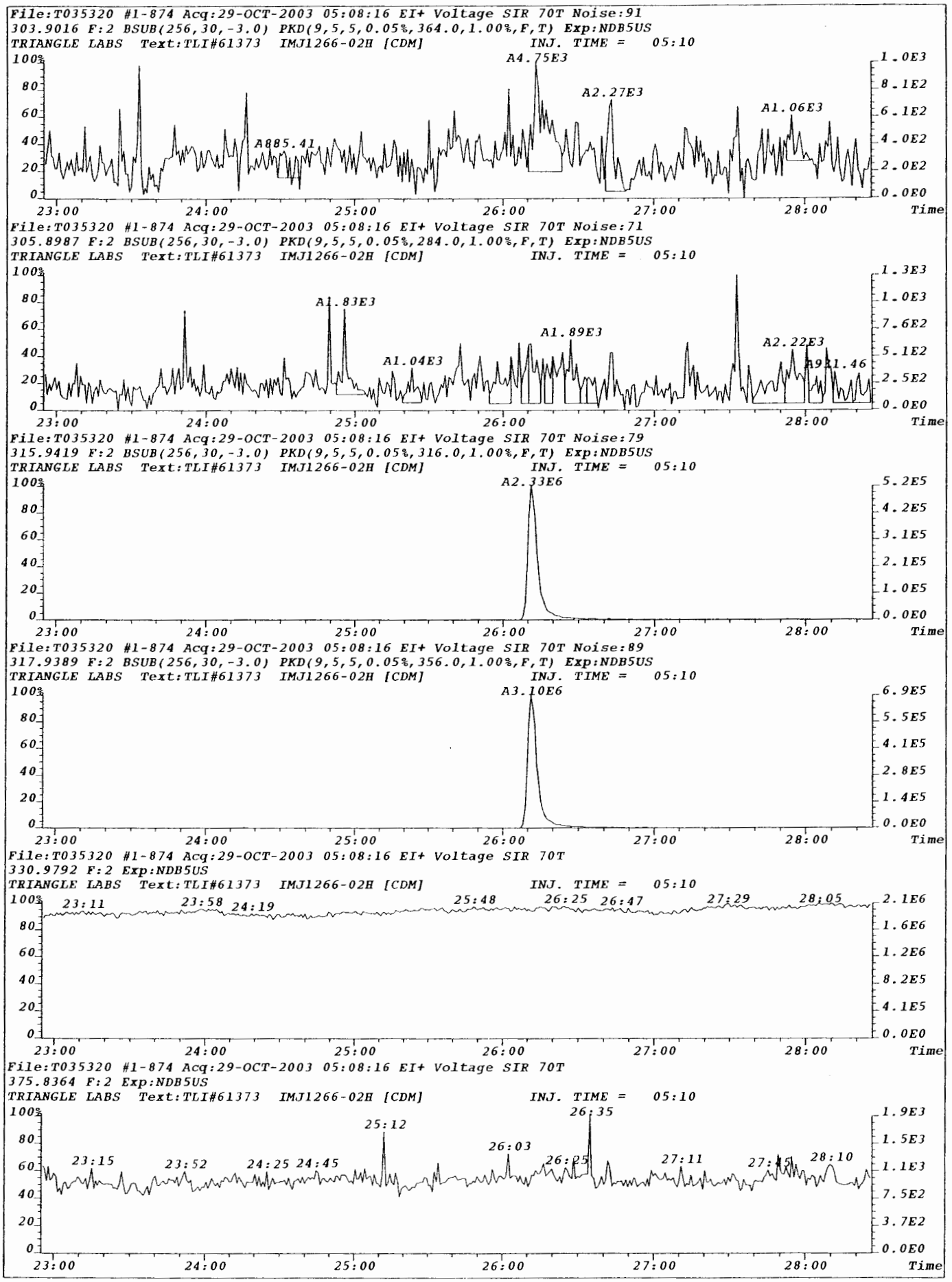
Compound/ M_Z....	QC.Log	Omit	Why	RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
368-370			6 Peaks				236.08						
---------- Above: PeCDD / HxCDF Follows ----------													
HxCDF						1.05-1.43				0.964-1.045			
374-376	DC	NL				Height	0.11	0.06	0.05				
D	D	SN	34:43	RO	0.89		0.14			1.033			
	DC	SN	34:46	RO	0.50		0.07			1.035			
	DC	SN	34:53	RO	0.76		0.23			1.038	123789-HxCDF	AN	
374-376			0 Peaks				0.00						
13C12-HxCDF						0.43-0.59				0.881-1.119			
384-386	DC	NL				Height	0.13	0.08	0.05				
			32:35		0.53		0.66	0.23	0.43	0.970			
			32:45		0.56		0.39	0.14	0.25	0.975			
			33:30		0.51		380.61	127.79	252.82	0.997	13C12-HxCDF 478	SUR2	
			33:36		0.51		407.69	137.34	270.35	1.000	13C12-HxCDF 678	IS4	
						Height	121.73	41.46	80.27				
			33:55	RO	1.35		0.39	0.35	0.26	1.009			
			34:05		0.51		377.60	127.47	250.13	1.014	13C12-HxCDF 234	ALT2	
			34:23	RO	1.22		0.82	0.66	0.54	1.023			
			34:31		0.44		0.52	0.16	0.36	1.027			
			34:37		0.47		0.25	0.08	0.17	1.030			
			34:52		0.51		325.62	109.64	215.98	1.038	13C12-HxCDF 789	ALT1	
			35:11	RO	0.33		0.89	0.30	0.90	1.047			
			35:15	RO	0.62		0.92	0.31	0.50	1.049			
			35:19	RO	0.93		1.15	0.39	0.42	1.051			
384-386			13 Peaks				1,497.51						
---------- Above: HxCDF / HxCDD Follows ----------													
HxCDD						1.05-1.43				0.960-1.014			
390-392	DC	NL				Height	0.11	0.05	0.06				
D	D	SN	33:31	RO	2.09		0.49			0.978			
			33:36		1.37		0.83	0.48	0.35	0.981			J
D	D	SN	33:43		1.11		0.19			0.984			
D	D	SN	34:05	RO	2.41		0.38			0.995			
	DC	SN	34:18	RO	2.00		0.11			1.001	123678-HxCDD	AN	
	DC	WH	34:52	RO	3.00		0.27			1.018			
390-392			1 Peak				0.83						
13C12-HxCDD						1.05-1.43				0.971-1.029			
402-404	DC	NL				Height	0.11	0.05	0.06				
			33:42		1.19		2.37	1.29	1.08	0.983			
			34:11		1.19		263.12	142.71	120.41	0.998	13C12-HxCDD 478	SUR3	
			34:16		1.20		307.43	167.39	140.04	1.000	13C12-HxCDD 678	IS5	
						Height	90.12	50.09	40.03				
			34:36		1.20		354.95	193.33	161.62	1.010	13C12-HxCDD 789	RS2	
			34:55	RO	0.71		0.81	0.45	0.63	1.019			
			35:01	RO	0.73		0.40	0.22	0.30	1.022			
402-404			6 Peaks				929.08						

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
---------- Above: HxCDD / HpCDF Follows ----------													
HpCDF						0.88-1.20				0.996-1.047			
408-410		DC	NL			Height	0.09	0.04	0.05				
D	D	SN		36:29	RO	1.26	0.39			1.000	1234678-HpCDF	AN	
D	D	SN		36:58		1.07	0.56			1.013			
	DC	SN		37:06		1.08	0.25			1.016			
	DC	SN		37:13	RO	0.29	0.08			1.020			
	DC	SN		37:32	RO	0.62	0.16			1.028			
408-410			0 Peaks				0.00						
13C12-HpCDF						0.37-0.51				0.945-1.110			
418-420		DC	NL			Height	0.15	0.08	0.07				
				36:30		0.42	257.43	76.00	181.43	1.000	13C12-HpCDF 678	IS6	
						Height	68.93	20.33	48.60				
				36:49	RO	0.58	0.72	0.22	0.38	1.009			
				38:02		0.41	217.27	62.85	154.42	1.042	13C12-HpCDF 789	SUR4	
				38:21	RO	0.76	1.15	0.35	0.46	1.051			
				38:29	RO	0.27	0.46	0.14	0.51	1.054			
	DC	SN		38:34	RO	0.28	0.16			1.057			
418-420			5 Peaks				477.03						
---------- Above: HpCDF / HpCDD Follows ----------													
HpCDD						0.88-1.20				0.976-1.005			
424-426		DC	NL			Height	0.09	0.05	0.04				
				36:50	RO	0.69	0.71	0.36	0.52	0.981			J
				37:32		1.18	0.61	0.33	0.28	1.000	1234678-HpCDD	AN	J
	DC	WH		38:02	RO	2.46	0.53			1.013			
424-426			2 Peaks				1.32						
13C12-HpCDD						0.88-1.20				0.973-1.027			
436-438		DC	NL			Height	0.17	0.10	0.07				
				37:32		1.02	241.08	121.90	119.18	1.000	13C12-HpCDD 678	IS7	
						Height	64.68	32.37	32.31				
				37:53	RO	4.60	0.20	0.46	0.10	1.009			
				37:58	RO	2.75	0.24	0.33	0.12	1.012			
436-438			3 Peaks				241.52						
---------- Above: HpCDD / Octa-CDD and CDF Follows ----------													
OCDF						0.76-1.02				0.903-1.097			
442-444		DC	NL			Height	0.11	0.05	0.06				
				39:11	RO	3.33	0.17	0.30	0.09	0.951			
D	D	SN		41:24	RO	1.15	0.38			1.005	OCDF	AN	
	DC	SN		41:47	RO	0.17	0.04			1.015			
	DC	SN		41:50	RO	1.88	0.15			1.016			
	DC	SN		41:58	RO	1.30	0.19			1.019			
	DC	SN		42:05	RO	1.33	0.06			1.022			
	DC	SN		42:11		0.86	0.13			1.024			
442-444			1 Peak				0.17						

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
OCDD						0.76-1.02				0.903-1.097			
458-460		DC	NL			Height	0.10	0.05	0.05				
				41:11		0.80	4.30	1.91	2.39	1.000	OCDD	AN	J
		DC	SN	41:33		0.86	0.13			1.009			
458-460			1	Peak			4.30						
13C12-OCDD						0.76-1.02				0.997-1.005			
470-472		DC	NL			Height	0.09	0.05	0.04				
				41:11		0.87	316.06	146.74	169.32	1.000	13C12-OCDD	IS8	
						Height	65.28	30.45	34.83				
		DC	WH	41:37	RO	0.38	0.38			1.011			
		DC	WH	41:44	RO	0.60	0.19			1.013			
470-472			1	Peak			316.06						

Column Description.....	"Why" Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.1 -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

*** End of Report ***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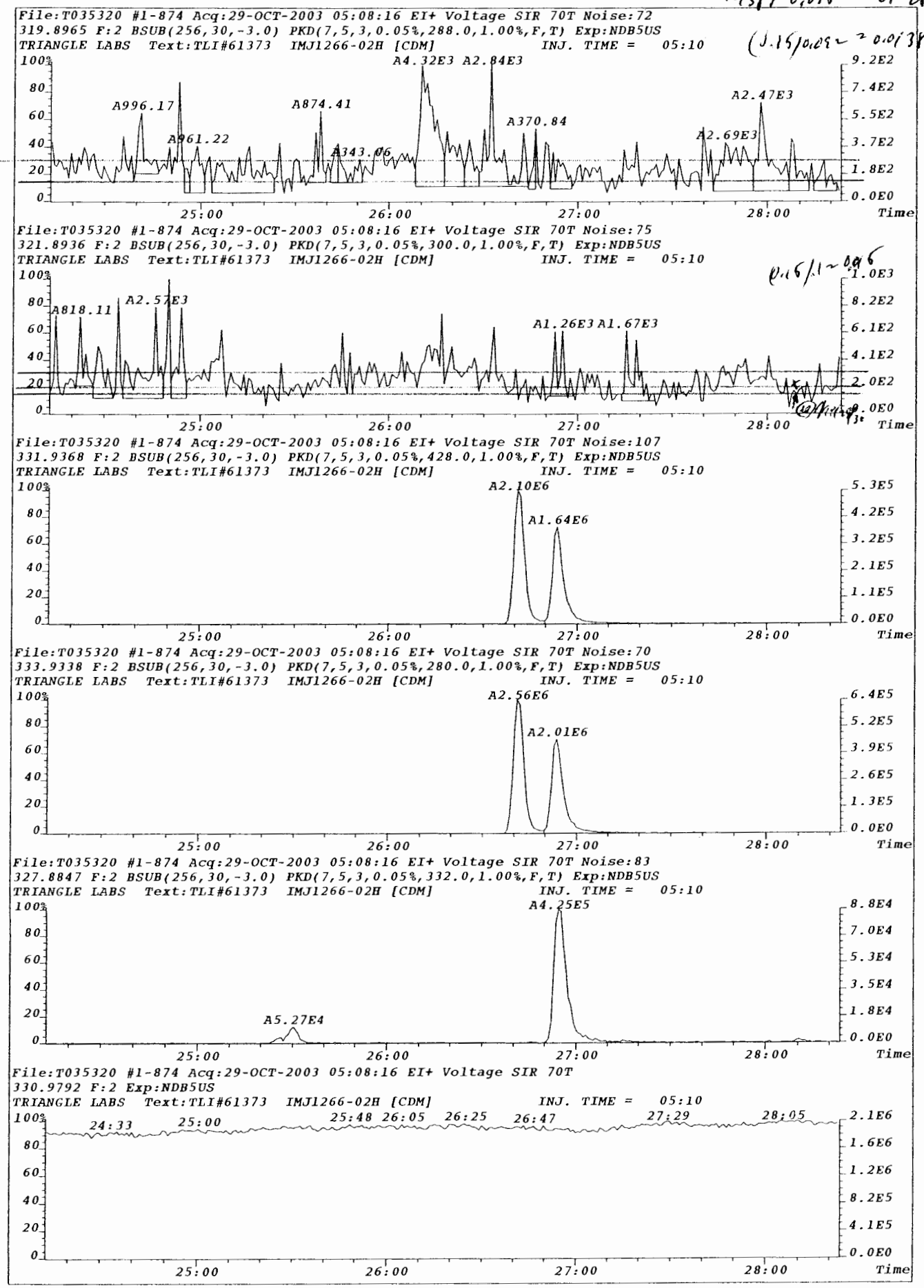
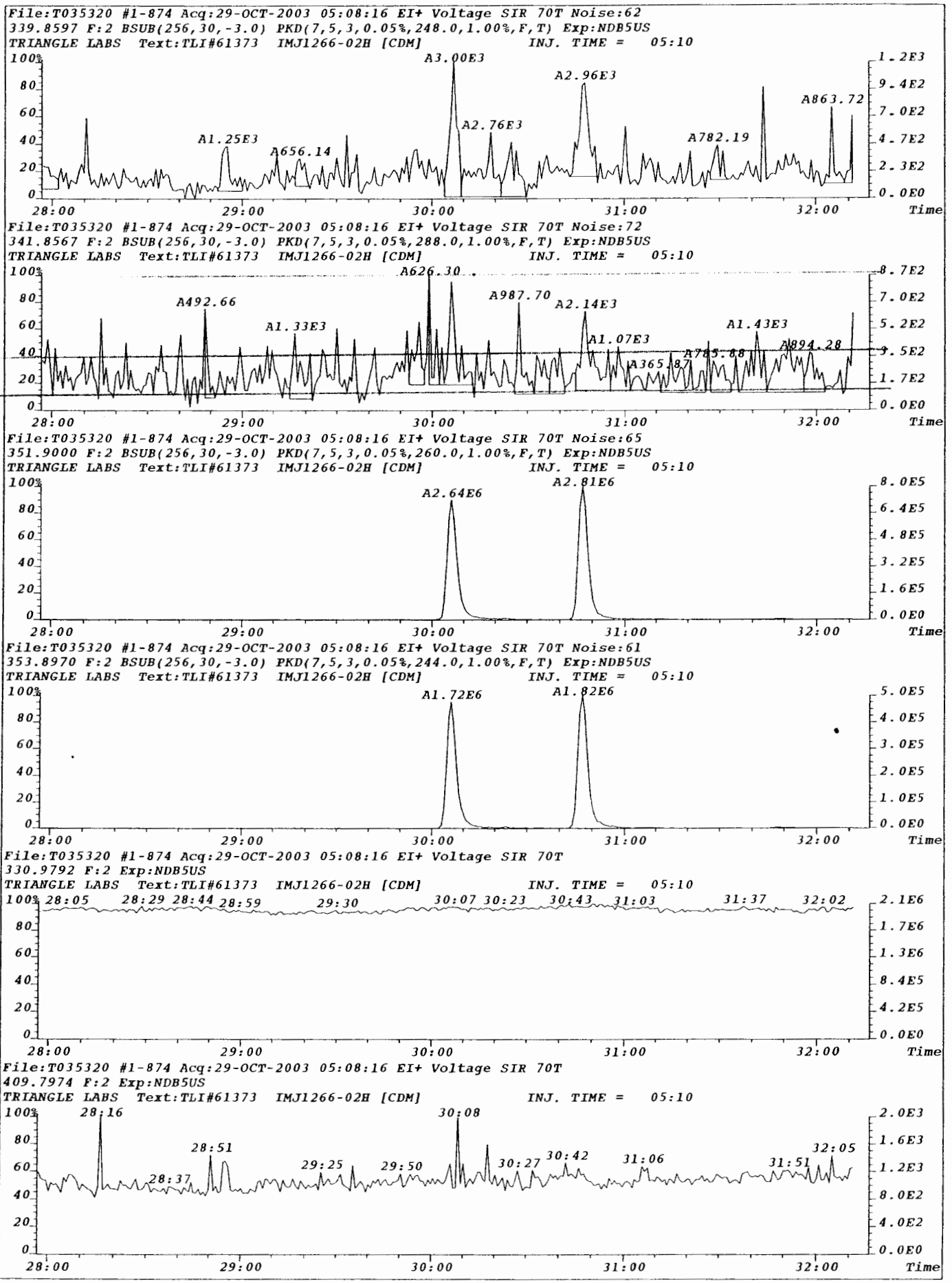
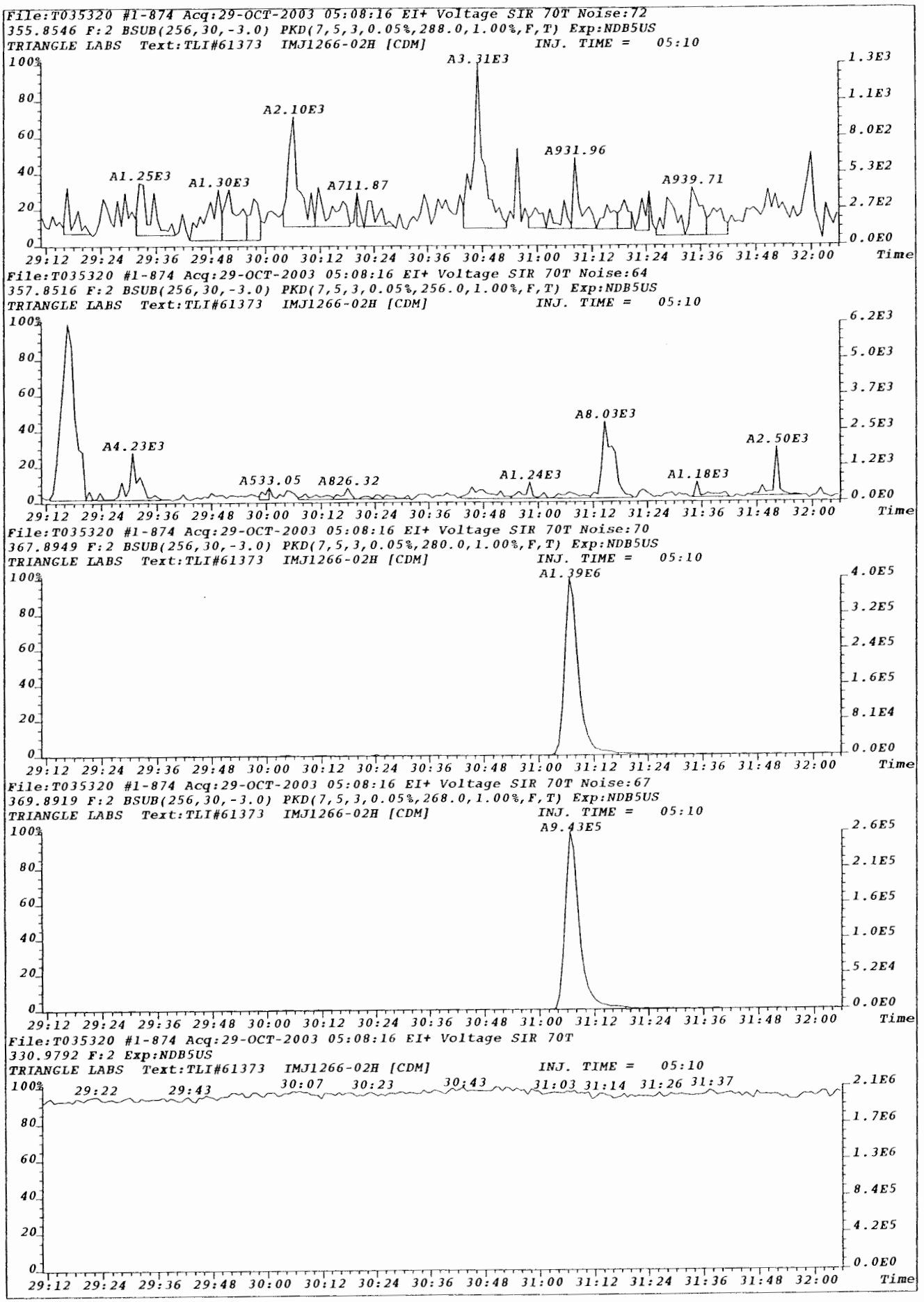
303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,364.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A4.75E3
A2.27E3
A1.06E3
A885.41
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:71
305.8987 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A1.83E3
A1.89E3
A2.22E3
A1.04E3
A941.46
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:79
315.9419 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,316.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A2.33E6
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:89
317.9389 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,356.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A3.10E6
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
23:11
23:58
24:19
25:48
26:25
26:47
27:29
28:05
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
375.8364 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
25:12
26:35
26:03
23:15
23:52
24:25
24:45
26:25
27:11
27:45
28:10
Time


File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:72
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A996.17
A961.22
A874.41
A343.06
A4.32E3 A2.84E3
A370.84
A2.69E3
A2.47E3
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:75
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,300.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A818.11
A2.57E3
A1.26E3 A1.67E3
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:107
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,428.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A2.10E6
A1.64E6
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:70
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A2.56E6
A2.01E6
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:83
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,332.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A4.25E5
A5.27E4
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
24:33
25:00
25:48
26:05
26:25
26:47
27:29
28:05
25:00
26:00
27:00
28:00
Time


File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:62
339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A3.00E3
A2.96E3
A863.72
A2.76E3
A1.25E3
A656.14
A782.19
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:72
341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A626.30
A492.66
A987.70
A2.14E3
A1.33E3
A1.07E3
A1.43E3
A894.28
A365.87
A785.88
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:65
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A2.81E6
A2.64E6
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:61
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A1.82E6
A1.72E6
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
Time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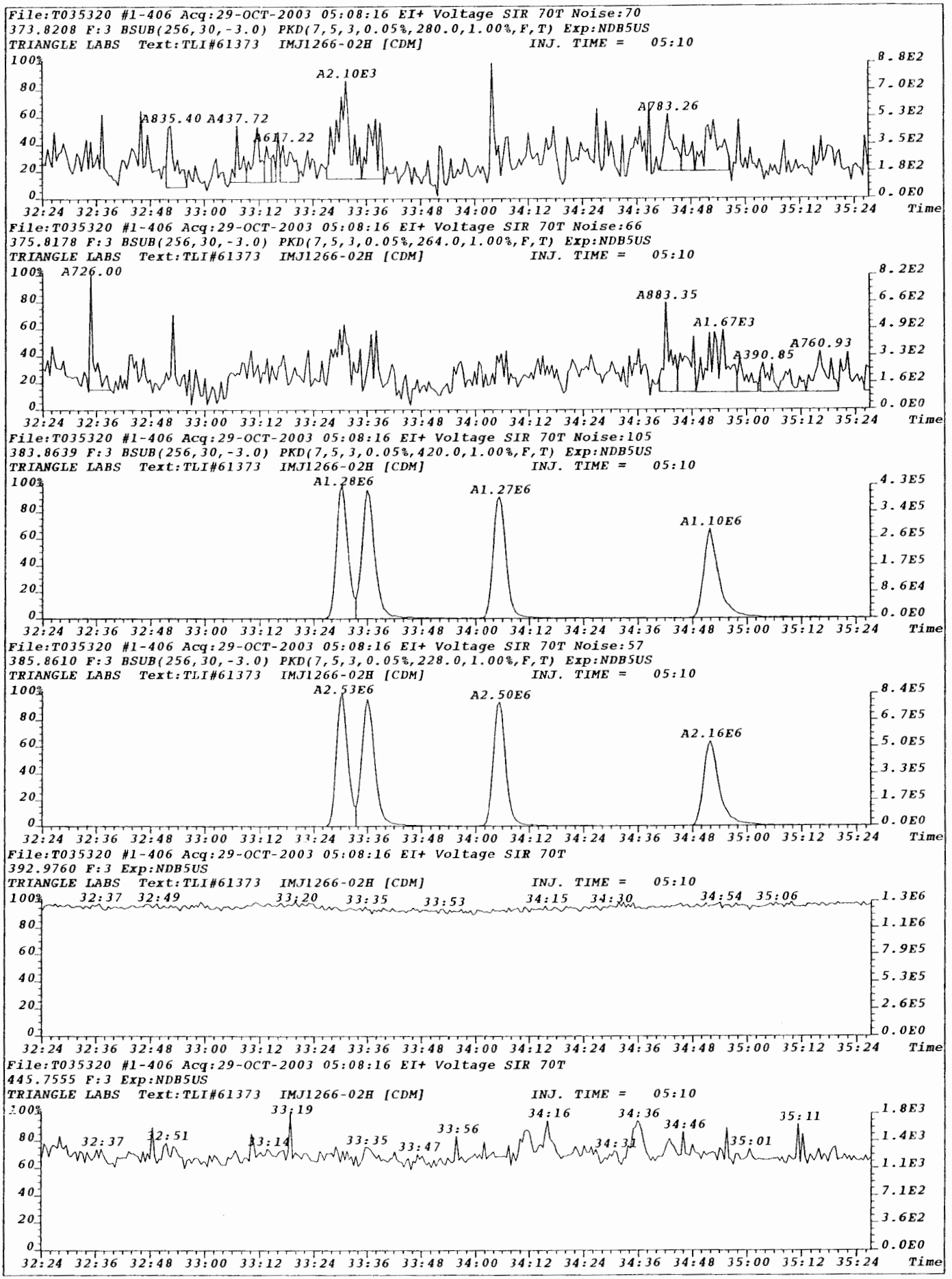
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
A3.31E3
A2.10E3
A931.96
A1.25E3
A1.30E3
A711.87
A939.71
Time
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:64
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,256.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
A8.03E3
A4.23E3
A2.50E3
A533.05
A826.32
A1.24E3
A1.18E3
Time
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:70
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
A1.39E6
Time
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:67
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
A9.43E5
Time
File:T035320 #1-874 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
29:22
29:43
30:07
30:23
30:43
31:03
31:14
31:26
31:37
Time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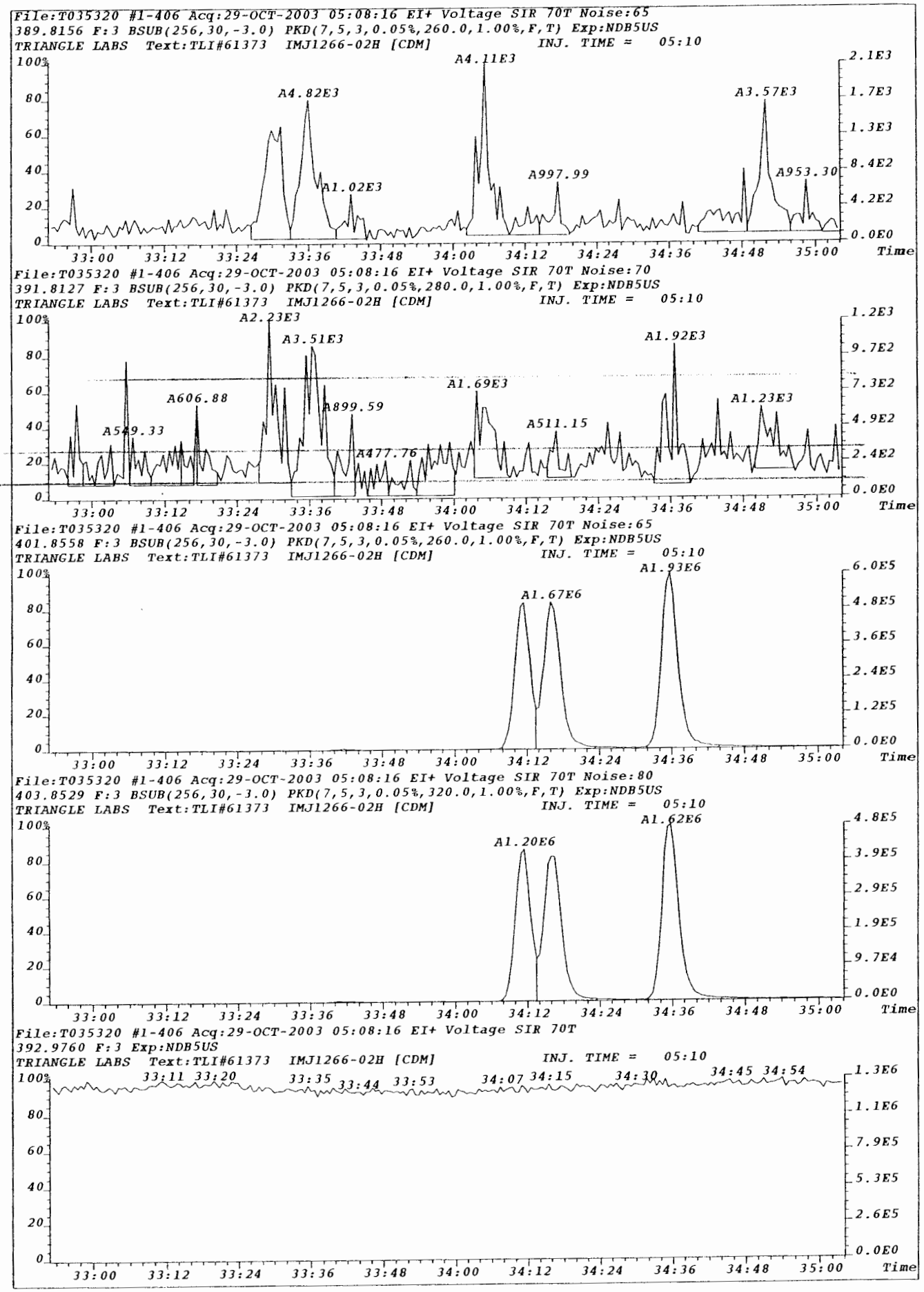
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A2.10E3
A835.40
A437.72
A783.26
File:T035320 #1-406 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:66
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A726.00
A883.35
A1.67E3
A760.93
A390.85
File:T035320 #1-406 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:105
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,420.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A1.28E6
A1.27E6
A1.10E6
File:T035320 #1-406 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:57
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A2.53E6
A2.50E6
A2.16E6
File:T035320 #1-406 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
File:T035320 #1-406 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
Time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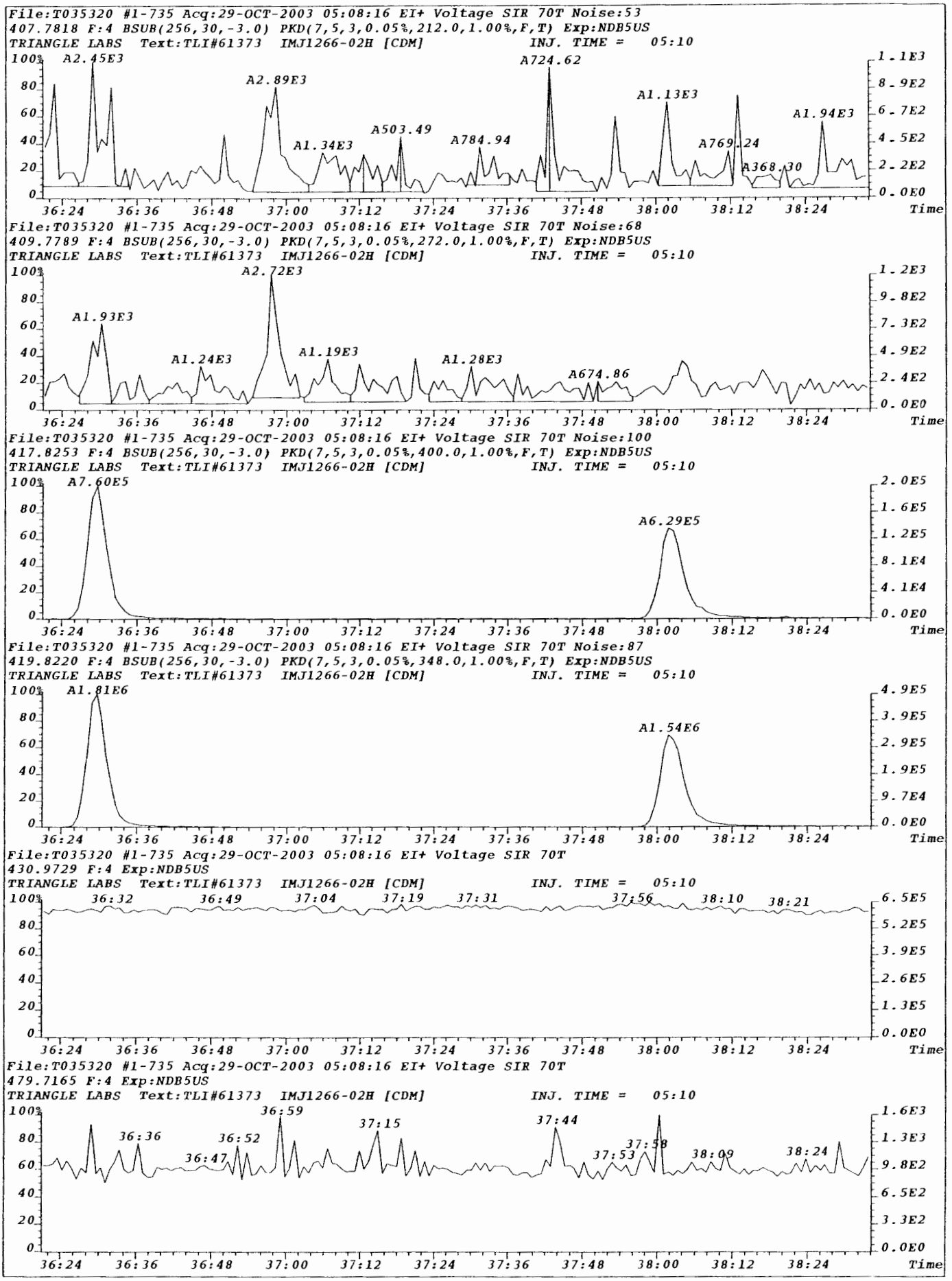
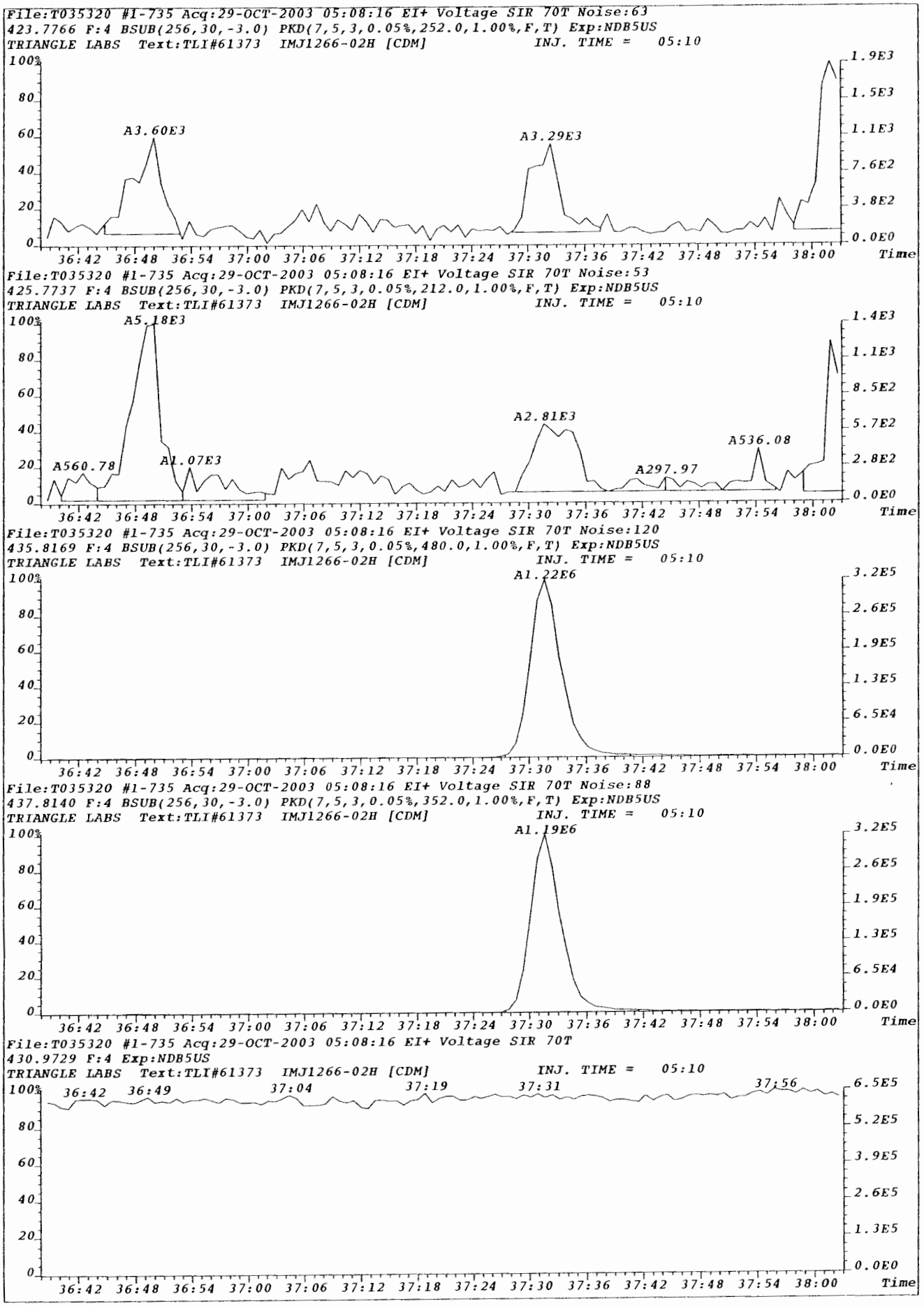
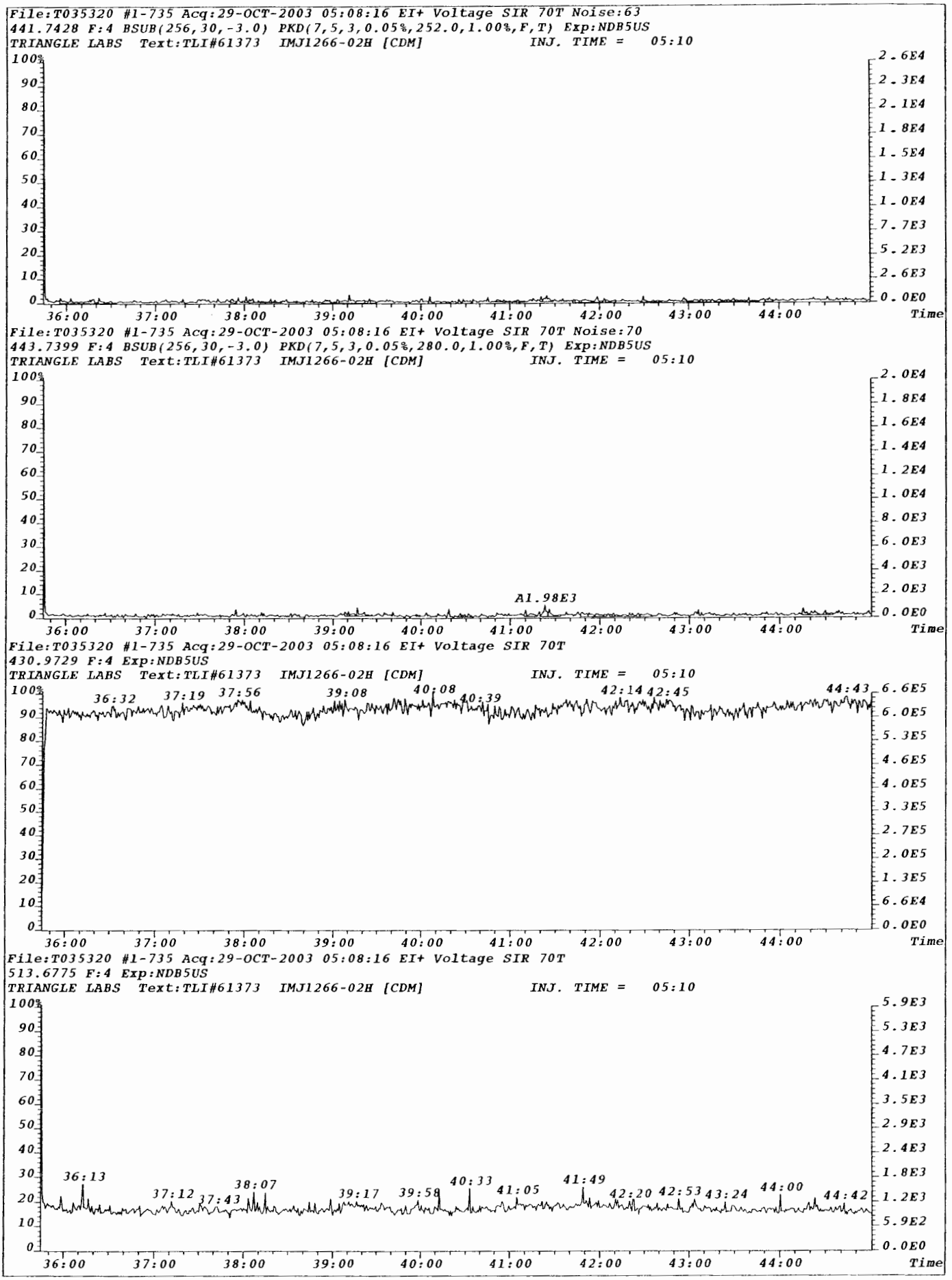
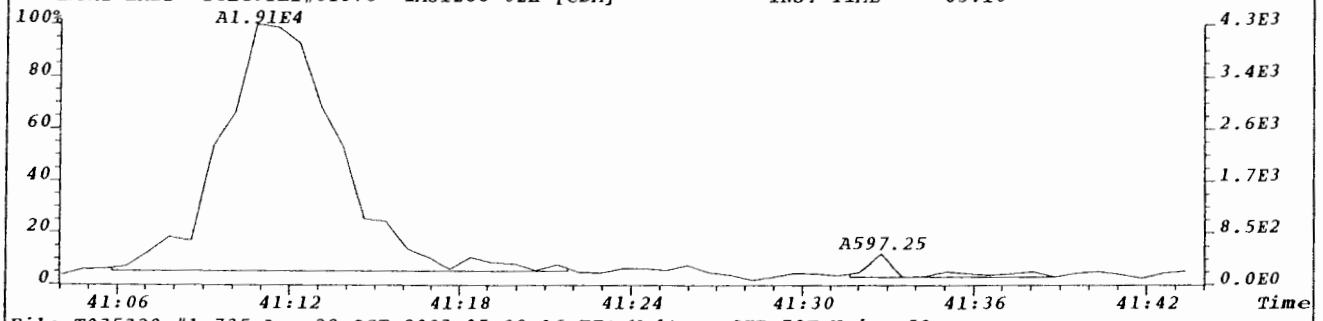
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
A4.11E3
A4.82E3
A3.57E3
A997.99
A1.02E3
A953.30
File:T035320 #1-406 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:70
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
A2.23E3
A3.51E3
A1.92E3
A1.69E3
A606.88
A899.59
A1.23E3
A549.33
A511.15
A477.76
File:T035320 #1-406 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:65
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
A1.93E6
A1.67E6
File:T035320 #1-406 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:80
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,320.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
A1.62E6
A1.20E6
File:T035320 #1-406 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM]
INJ. TIME = 05:10
Time


File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:53
407.7818 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,212.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A2.45E3
A2.89E3
A1.34E3
A503.49
A784.94
A724.62
A1.13E3
A769.24
A368.30
A1.94E3
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:68
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A2.72E3
A1.93E3
A1.24E3
A1.19E3
A1.28E3
A674.86
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:100
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,400.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A7.60E5
A6.29E5
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:87
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,348.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A1.81E6
A1.54E6
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
Time

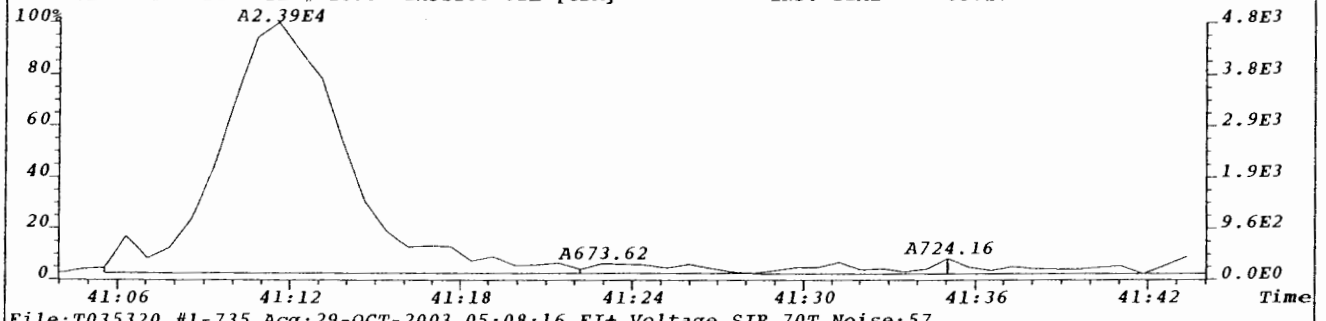

File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:63
423.7766 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A3.60E3
A3.29E3
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:53
425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,212.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A5.18E3
A560.78
A1.07E3
A2.81E3
A297.97
A536.08
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:120
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,480.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A1.22E6
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:88
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,352.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A1.19E6
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
36:42 36:49 37:04 37:19 37:31 37:56
36:42 36:48 36:54 37:00 37:06 37:12 37:18 37:24 37:30 37:36 37:42 37:48 37:54 38:00
Time


File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:63
441.7428 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
Time
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:70
443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
A1.98E3
Time
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
36:32 37:19 37:56 39:08 40:08 40:39 42:14 42:45 44:43
Time
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10
36:13 37:12 37:43 38:07 39:17 39:58 40:33 41:05 41:49 42:20 42:53 43:24 44:00 44:42
Time

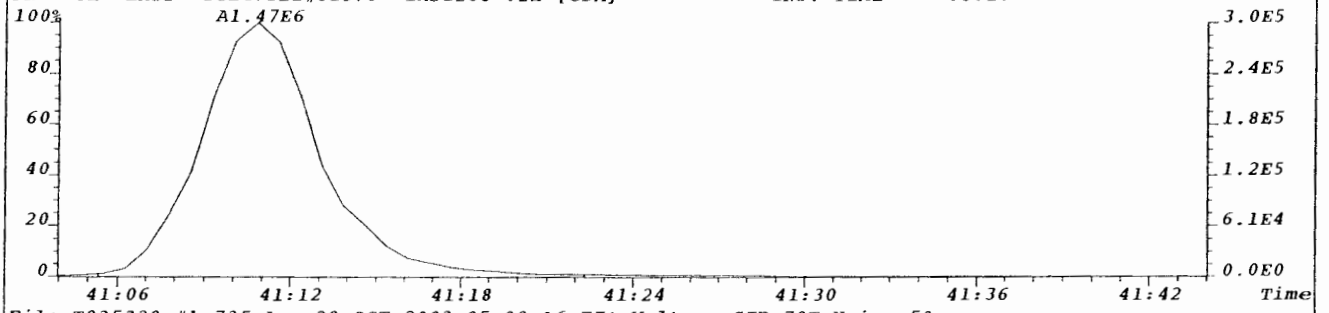
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:59
457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10



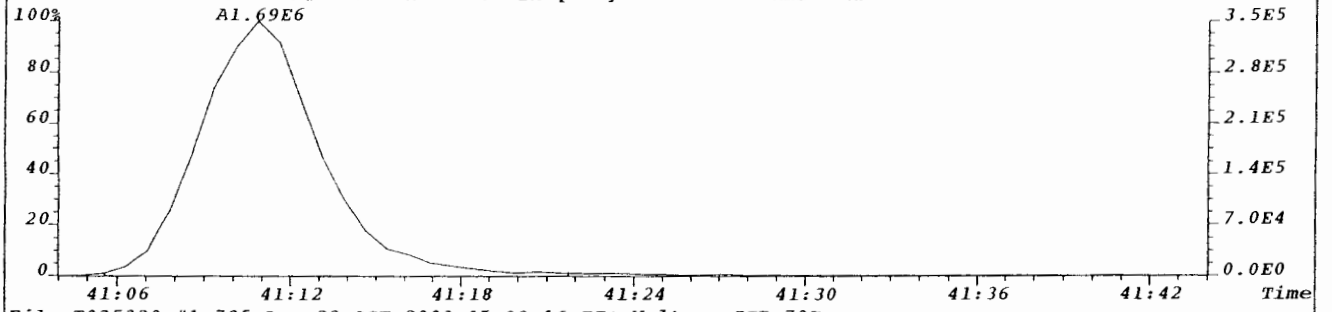
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:59
459.7348 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10



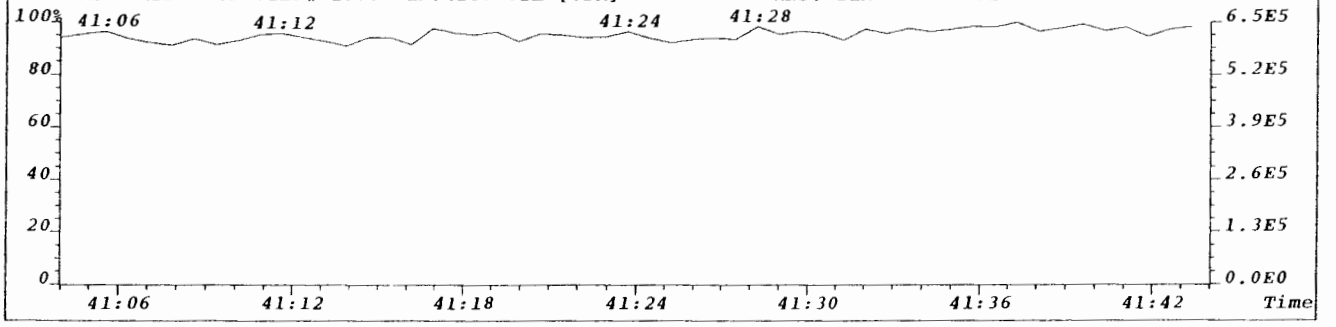
File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:57
469.7779 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10

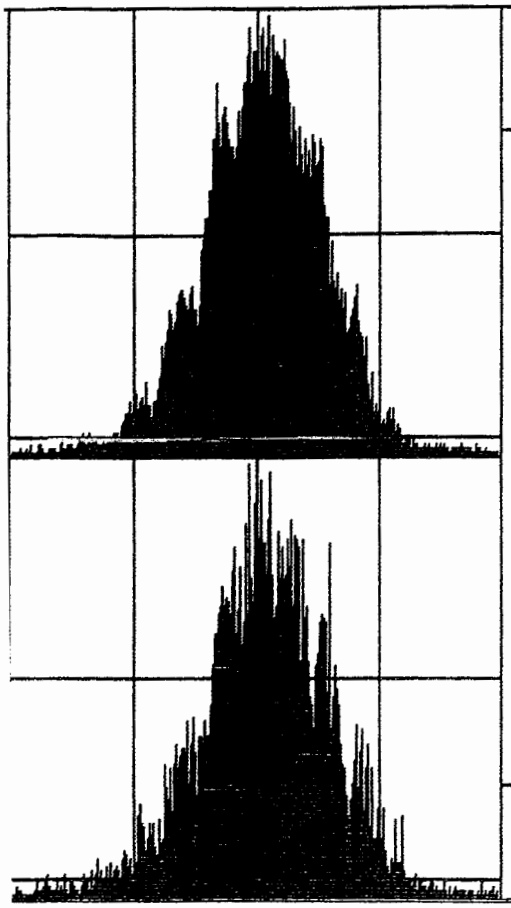


File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T Noise:50
471.7750 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,200.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10



File:T035320 #1-735 Acq:29-OCT-2003 05:08:16 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10



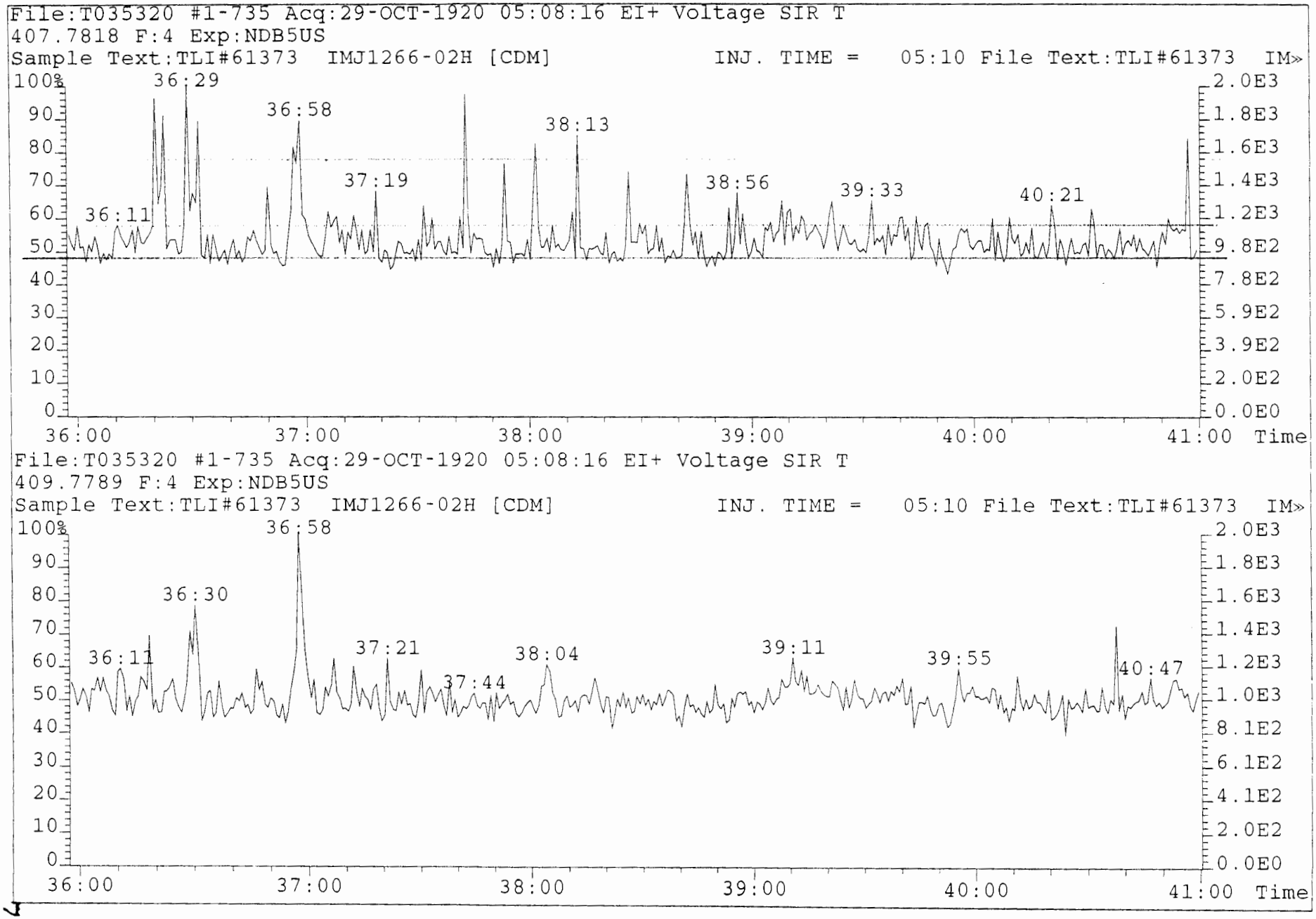


Channel	I 330.9732	Peak top	
Height	.36 volts	Span	200 ppm

System file name	NDB5US
Data file name	A:T029031
Resolution	10000
Group number	2
Ionization mode	EI+
Switching	VOLTAGE
Ref. masses	292.9825, 416.9760

A	293	J	331	S	368
B	304	K	332	T	370
C	306	L	334	U	376
D	316	M	340	V	410
E	318	N	342		
F	320	O	352		
G	322	P	354		
H	328	Q	356		
I	331	R	358		

Ref. mass	416.9760	Peak top	
Height	.06 volts	Span	200 ppm


File:T035320 #1-735 Acq:29-OCT-1920 05:08:16 EI+ Voltage SIR T
407.7818 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10 File Text:TLI#61373 IM»
36:11
36:29
36:58
37:19
38:13
38:56
39:33
40:21
36:00
37:00
38:00
39:00
40:00
41:00 Time
File:T035320 #1-735 Acq:29-OCT-1920 05:08:16 EI+ Voltage SIR T
409.7789 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-02H [CDM] INJ. TIME = 05:10 File Text:TLI#61373 IM»
36:11
36:30
36:58
37:21
37:44
38:04
39:11
39:55
40:47
36:00
37:00
38:00
39:00
40:00
41:00 Time

Del Mar Analytical

TLI Project: **61373** — Method 8290 PCDD/PCDF Analysis (b)

Client Sample: **IMJ1266-03H [CDM]** — Analysis File: **T035321**

Client Project:	2003 Prices, Sequoia Network				
Sample Matrix:	WATER	Date Received:	10/24/2003	Spike File:	SPMIT32S
TLI ID:	365-63-2A	Date Extracted:	10/26/2003	ICal:	TF53183
		Date Analyzed:	10/29/2003	ConCal:	T035313
Sample Size:	1.030 L	Dilution Factor:	n/a	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	T035314	% Lipid:	n/a
GC Column:	DB-5	Analyst:	VSC	% Solids:	n/a

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	ND	2.0				
1,2,3,7,8-PeCDD	ND	2.9				
1,2,3,4,7,8-HxCDD	ND	2.0				
1,2,3,6,7,8-HxCDD	ND	1.8				
1,2,3,7,8,9-HxCDD	ND	2.0				
1,2,3,4,6,7,8-HpCDD	18.7			1.05	37:32	J
1,2,3,4,6,7,8,9-OCDD	267			0.89	41:12	
2,3,7,8-TCDF	ND	1.5				
1,2,3,7,8-PeCDF	ND	1.3				
2,3,4,7,8-PeCDF	ND	1.6				
1,2,3,4,7,8-HxCDF	ND	1.3				
1,2,3,6,7,8-HxCDF	ND	1.2				
2,3,4,6,7,8-HxCDF	ND	1.2				
1,2,3,7,8,9-HxCDF	ND	1.5				
1,2,3,4,6,7,8-HpCDF	EMPC		5.3			J
1,2,3,4,7,8,9-HpCDF	ND	2.1				
1,2,3,4,6,7,8,9-OCDF	15.4			0.81	41:25	J

Totals	Conc. (pg/L)	Number	DL	EMPC	Flags
Total TCDD	ND		2.0		
Total PeCDD	ND		2.9		
Total HxCDD	EMPC			2.6	
Total HpCDD	40.3	2			
Total TCDF	ND		1.5		
Total PeCDF	ND		1.4		
Total HxCDF	ND		1.3		
Total HpCDF	EMPC			5.3	

MIT3_PSR v1.00, LARS 6.25.05

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TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **IMJ1266-03H [CDM]** Analysis File: **T035321**

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,7,8-TCDF	1440	74.0	40%-135%	0.74	26:12	___
$^{13}C_{12}$-2,3,7,8-TCDD	1490	76.5	40%-135%	0.83	26:54	___
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1490	76.8	40%-135%	1.60	30:06	___
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1330	68.5	40%-135%	1.51	31:07	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1650	84.9	40%-135%	0.51	33:36	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1500	77.2	40%-135%	1.17	34:16	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1470	75.6	40%-135%	0.41	36:30	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1520	78.2	40%-135%	1.01	37:32	___
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	2300	59.2	40%-135%	0.89	41:11	___

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1690	86.9	40%-135%	1.58	30:47	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1530	78.7	40%-135%	0.51	33:30	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1400	72.2	40%-135%	1.20	34:11	___
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1480	76.1	40%-135%	0.42	38:03	___

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	150	77.1	40%-135%	26:55	___

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1390	71.5	40%-135%	0.49	34:52	___
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1490	76.7	40%-135%	0.50	34:05	___

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.83	26:42	___
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.21	34:36	___

Data Reviewer: _____ 10/29/2003

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 11:12 10/29/2003

Initial ....Date...

Data Review By: [signature] 11/28/03

Calculated Noise Height: 0.03

The Total Area for each peak with an ion abundance ratio outside ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035321B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF				0.65-0.89						0.875-1.073			
304-306	DC	NL		Height			0.13	0.07	0.06				
D	D	SN		27:14	RO	1.09	0.80			1.039			
D	D	SN		27:33	RO	0.53	0.78			1.052			
304-306		0	Peaks				0.00						
13C12-TCDF				0.65-0.89						0.962-1.038			
316-318	DC	NL		Height			0.12	0.06	0.06				
	DC	WL		24:16	RO	0.95	1.79			0.926			
				25:51	RO	0.58	0.97	0.42	0.73	0.987			
				26:12		0.74	393.07	167.30	225.77	1.000	13C12-2378-TCDF	IS0	
					Height		83.52	35.94	47.58				
				26:39		0.76	4.82	2.08	2.74	1.017			
				26:54	RO	2.09	1.03	1.21	0.58	1.027			
				27:05	RO	0.98	1.45	0.63	0.64	1.034			
	DC	WH		27:54	RO	0.39	0.41			1.065			
316-318		5	Peaks				401.34						
---------- Above: TCDF / TCDD Follows ----------													
TCDD				0.65-0.89						0.900-1.043			
320-322	DC	NL		Height			0.10	0.05	0.05				
	DC	SN		24:51	RO	0.26	0.14			0.924	1379-TCDD		AN
	DC	SN		25:12	RO	1.17	0.11			0.937			
	DC	SN		25:18	RO	1.67	0.21			0.941			
	DC	SN		26:13	RO	1.91	0.19			0.975			
320-322		0	Peaks				0.00						
37Cl-TCDD										0.926-1.074			
328	DC	NL		Height			0.06	0.06					
				25:31			2.20	2.20		0.949			
				26:55			33.09	33.09		1.001	37Cl-TCDD		CLS
				27:09			0.62	0.62		1.009			
				27:20			0.42	0.42		1.016			
				27:24			0.25	0.25		1.019			
				27:57			0.19	0.19		1.039			
				28:07			0.41	0.41		1.045			
				28:20			0.17	0.17		1.053			
328		8	Peaks				37.35						
13C12-TCDD				0.65-0.89						0.926-1.074			
332-334	DC	NL		Height			0.16	0.10	0.06				
				26:42		0.83	392.61	177.87	214.74	0.993	13C12-1234-TCDD		RS1
				26:54		0.83	281.52	127.96	153.56	1.000	13C12-2378-TCDD		IS1
					Height		59.42	26.91	32.51				

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
				27:16	RO	0.60	3.29	1.43	2.38	1.014			
				27:27	RO	0.59	1.82	0.79	1.34	1.020			
				28:10	RO	0.50	0.18	0.08	0.16	1.047			
				28:17	RO	0.45	0.46	0.20	0.44	1.051			
				28:22		0.74	0.87	0.37	0.50	1.055			
332-334			7 Peaks				680.75						
---------- Above: TCDD / PeCDF Follows ----------													
PeCDF						1.32-1.78				0.929-1.061			
340-342		DC	NL				Height	0.10	0.05	0.05			
		DC	SN	28:48	RO	0.86	0.10			0.957			
		DC	SN	29:23	RO	0.69	0.15			0.976			
		DC	SN	29:57	RO	4.33	0.08			0.995			
	D	D	SN	30:08		1.70	0.89			1.001	12378-PeCDF		AN
	D	D	SN	30:21		1.47	0.37			1.008			
		DC	SN	30:34	RO	1.10	0.18			1.016			
		DC	SN	31:00	RO	6.00	0.08			1.030			
	D	D	SN	31:27		1.71	0.19			1.045			
		DC	SN	31:33	RO	0.23	0.05			1.048			
	D	D	SN	31:41	RO	0.46	0.20			1.053			
		DC	WH	32:11	RO	0.92	0.18			1.069			
340-342			0 Peaks				0.00						
13C12-PeCDF						1.32-1.78				0.867-1.133			
352-354		DC	NL				Height	0.09	0.04	0.05			
				30:06		1.60	329.13	202.63	126.50	1.000	13C12-PeCDF 123		IS2
							Height	86.89	52.46	34.43			
				30:26	RO	1.98	5.69	4.41	2.23	1.011			
				30:35		1.73	2.21	1.40	0.81	1.016			
				30:47		1.58	341.45	209.03	132.42	1.023	13C12-PeCDF 234		SUR1
				31:16	RO	1.04	0.66	0.27	0.26	1.039			
				31:24		1.69	0.43	0.27	0.16	1.043			
				31:51		1.51	3.74	2.25	1.49	1.058			
352-354			7 Peaks				683.31						
---------- Above: PeCDF / PeCDD Follows ----------													
PeCDD						1.32-1.78				0.938-1.021			
356-358		DC	NL				Height	0.10	0.05	0.05			
	D	D	SN	29:16	RO	0.23	0.23			0.941			
	D	D	SN	29:33	RO	0.73	0.18			0.950			
		DC	SN	31:22	RO	0.35	0.10			1.008			
		DC	WH	31:53	RO	2.00	0.08			1.025			
356-358			0 Peaks				0.00						
13C12-PeCDD						1.32-1.78				0.871-1.129			
368-370		DC	NL				Height	0.10	0.05	0.05			
				30:05	RO	1.00	0.77	0.30	0.30	0.967			
				30:12	RO	1.15	0.87	0.39	0.34	0.971			
				31:07		1.51	171.02	102.79	68.23	1.000	13C12-PeCDD 123		IS3
							Height	42.94	25.84	17.10			

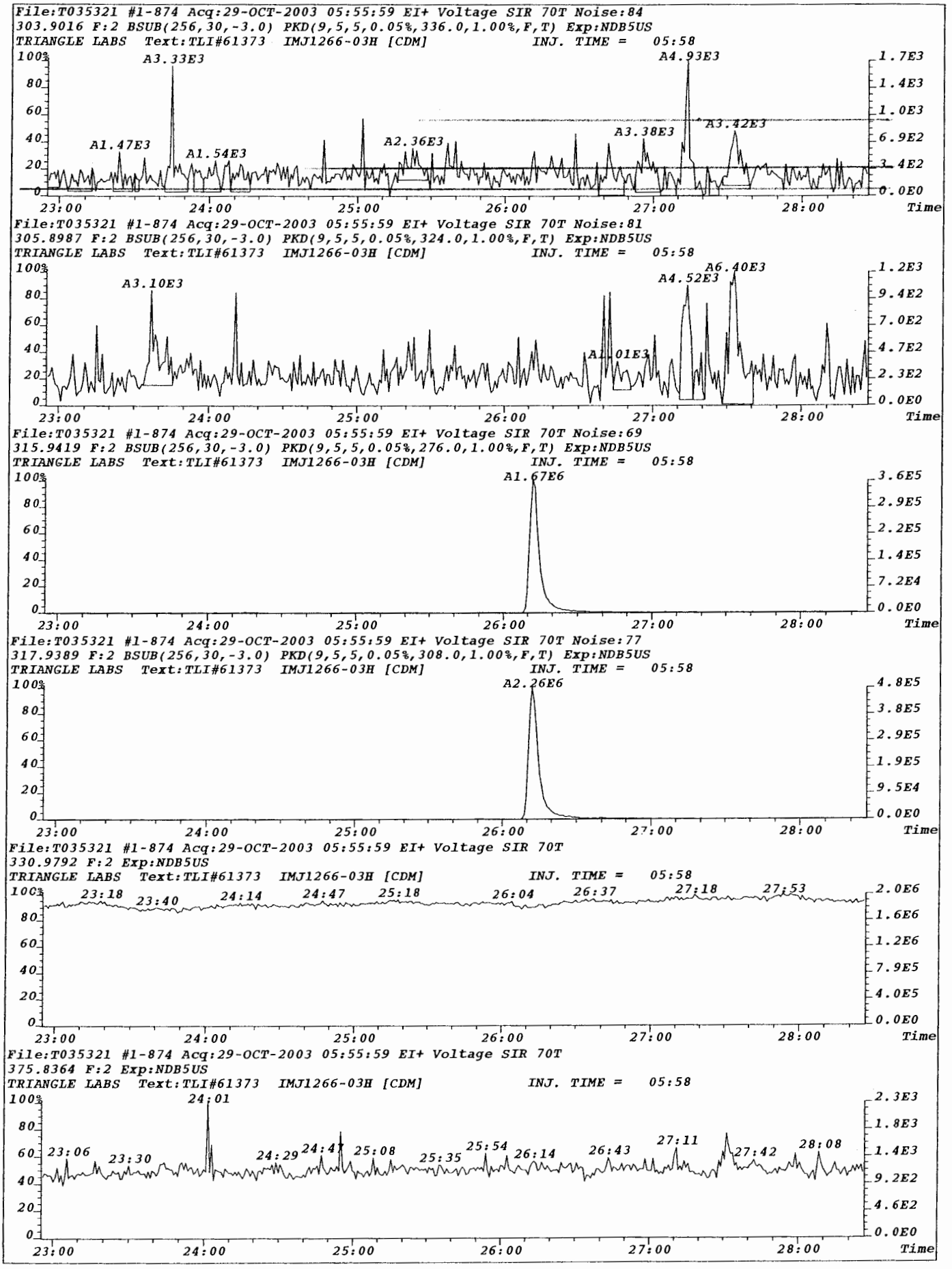
Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
				31:42	RO	0.49	0.46	0.28	0.57	1.019			
	DC	SN		31:51	RO	0.26	0.18			1.024			
368-370			4 Peaks				173.12						
---------- Above: PeCDD / HxCDF Follows ----------													
HxCDF				1.05-1.43						0.964-1.045			
374-376	DC	NL		Height			0.11	0.06	0.05				
D	D	SN		33:31	RO	0.95	0.34			0.998	123478-HxCDF	AN	
D	D	SN		33:44	RO	1.00	0.52			1.004			
374-376			0 Peaks				0.00						
13C12-HxCDF				0.43-0.59						0.881-1.119			
384-386	DC	NL		Height			0.09	0.05	0.04				
				33:30		0.51	308.86	104.64	204.22	0.997	13C12-HxCDF 478	SUR2	
				33:36		0.51	361.13	121.81	239.32	1.000	13C12-HxCDF 678	IS4	
				Height			99.38	32.97	66.41				
				33:52		0.50	2.14	0.71	1.43	1.008			
				34:05		0.50	323.48	108.36	215.12	1.014	13C12-HxCDF 234	ALT2	
				34:23	RO	0.76	2.22	0.75	0.99	1.023			
				34:30	RO	0.67	0.95	0.32	0.48	1.027			
				34:38	RO	0.42	0.24	0.08	0.19	1.031			
				34:52		0.49	260.90	86.36	174.54	1.038	13C12-HxCDF 789	ALT1	
				35:16	RO	0.39	0.59	0.20	0.51	1.050			
				35:22	RO	0.30	0.24	0.08	0.27	1.053			
384-386			10 Peaks				1,260.75						
---------- Above: HxCDF / HxCDD Follows ----------													
HxCDD				1.05-1.43						0.960-1.014			
390-392	DC	NL		Height			0.10	0.05	0.05				
D	D	SN		33:30	RO	1.95	0.43			0.978			
K				33:36	RO	2.19	0.36	0.35	0.16	0.981			J
D	D	SN		33:41	RO	0.58	0.13			0.983			
	DC	SN		33:45	RO	1.75	0.09			0.985			
D	D	SN		34:05	RO	1.79	0.43			0.995			
	DC	SN		34:13	RO	0.75	0.16			0.999			
D	D	SN		34:16	RO	0.71	0.18			1.000	123678-HxCDD	AN	
390-392			1 Peak				0.36						
13C12-HxCDD				1.05-1.43						0.971-1.029			
402-404	DC	NL		Height			0.11	0.06	0.05				
				33:42	RO	0.96	1.95	1.08	1.13	0.983			
				34:11		1.20	223.37	121.98	101.39	0.998	13C12-HxCDD 478	SUR3	
				34:16		1.17	260.42	140.16	120.26	1.000	13C12-HxCDD 678	IS5	
				Height			75.05	40.28	34.77				
				34:36		1.21	330.13	180.43	149.70	1.010	13C12-HxCDD 789	RS2	
				34:53		1.13	1.15	0.61	0.54	1.018			
				35:02	RO	0.97	0.65	0.36	0.37	1.022			
402-404			6 Peaks				817.67						

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
---------- Above: HxCDD / HpCDF Follows ----------													
HpCDF						0.88-1.20				0.996-1.047			
408-410	DC	NL				Height	0.09	0.05	0.04				
				36:30	RO	1.47	0.88	0.63	0.43	1.000	1234678-HpCDF	AN	J
D	D	SN		36:57	RO	1.55	0.63			1.012			
408-410			1 Peak				0.88						
13C12-HpCDF						0.37-0.51				0.945-1.110			
418-420	DC	NL				Height	0.14	0.05	0.09				
				36:30		0.41	216.99	63.33	153.66	1.000	13C12-HpCDF 678	IS6	
						Height	56.73	16.63	40.10				
				36:52	RO	0.33	0.46	0.14	0.42	1.010			
				36:57	RO	0.36	0.43	0.13	0.36	1.012			
	DC	SN		37:11	RO	0.20	0.10			1.019			
	DC	SN		37:19	RO	0.26	0.20			1.022			
				38:03		0.42	180.57	53.73	126.84	1.042	13C12-HpCDF 789	SUR4	
				38:20	RO	0.86	3.17	0.97	1.13	1.050			
418-420			5 Peaks				401.62						
---------- Above: HpCDF / HpCDD Follows ----------													
HpCDD						0.88-1.20				0.976-1.005			
424-426	DC	NL				Height	0.09	0.05	0.04				
				36:50		1.17	2.17	1.17	1.00	0.981			J
				37:32		1.05	1.87	0.96	0.91	1.000	1234678-HpCDD	AN	J
	DC	WH		38:03	RO	3.28	0.37			1.014			
424-426			2 Peaks				4.04						
13C12-HpCDD						0.88-1.20				0.973-1.027			
436-438	DC	NL				Height	0.13	0.08	0.05				
				37:32		1.01	196.52	98.79	97.73	1.000	13C12-HpCDD 678	IS7	
						Height	49.55	24.51	25.04				
436-438			1 Peak				196.52						
---------- Above: HpCDD / Octa-CDD and CDF Follows ----------													
OCDF						0.76-1.02				0.903-1.097			
442-444	DC	NL				Height	0.10	0.05	0.05				
	DC	SN		37:31		0.88	0.15			0.911			
	DC	SN		38:50	RO	0.23	0.06			0.943			
	DC	SN		39:07	RO	0.50	0.06			0.950			
	DC	SN		39:10	RO	1.25	0.15			0.951			
	DC	SN		39:40	RO	0.50	0.13			0.963			
				41:25		0.81	1.39	0.62	0.77	1.006	OCDF	AN	J
	DC	SN		42:24	RO	0.67	0.08			1.030			
	DC	SN		44:05	RO	1.42	0.23			1.070			
	DC	SN		44:14	RO	1.86	0.13			1.074			
442-444			1 Peak				1.39						
OCDD						0.76-1.02				0.903-1.097			
458-460	DC	NL				Height	0.08	0.04	0.04				

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
				41:12		0.89	18.64	8.77	9.87	1.000	OCDD		AN
458-460			1 Peak				18.64						
13C12-OCDD						0.76-1.02					0.997-1.005		
470-472		DC	NL			Height	0.10	0.05	0.05				
				41:11		0.89	270.64	127.29	143.35	1.000	13C12-OCDD		IS8
						Height	52.17	24.23	27.94				
470-472			1 Peak				270.64						

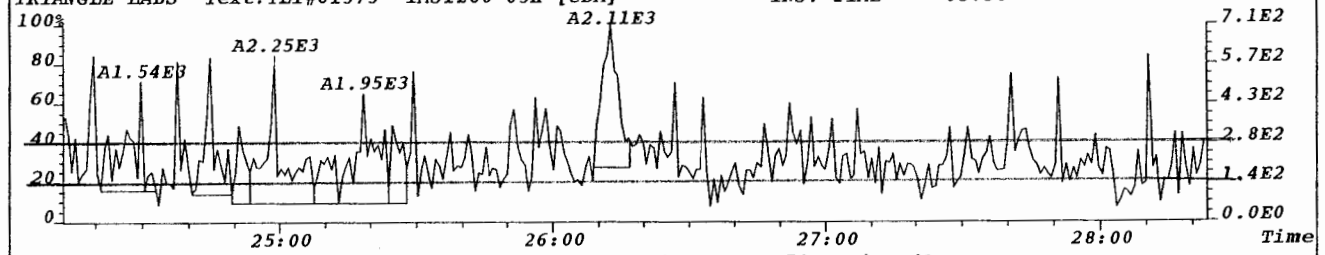
Column Description.....	"Why" Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.1 -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

*** End of Report ***

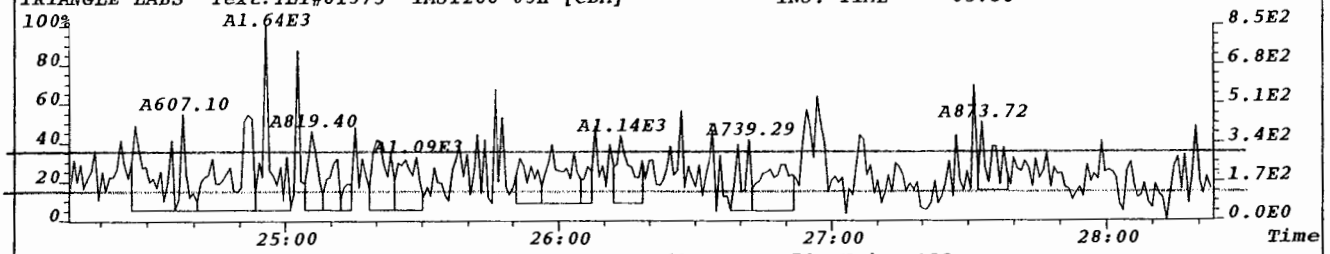

File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:84
303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,336.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A3.33E3
A4.93E3
A1.47E3
A1.54E3
A2.36E3
A3.38E3
A3.42E3
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:81
305.8987 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,324.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A3.10E3
A6.40E3
A4.52E3
A1.01E3
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:69
315.9419 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.67E6
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:77
317.9389 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,308.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A2.26E6
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
23:18
23:40
24:14
24:47
25:18
26:04
26:37
27:18
27:53
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
375.8364 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
24:01
23:06
23:30
24:29
24:47
25:08
25:35
25:54
26:14
26:43
27:11
27:42
28:08
Time

N70.4 0.021+0.088 = 0.0312 JF
1/28/

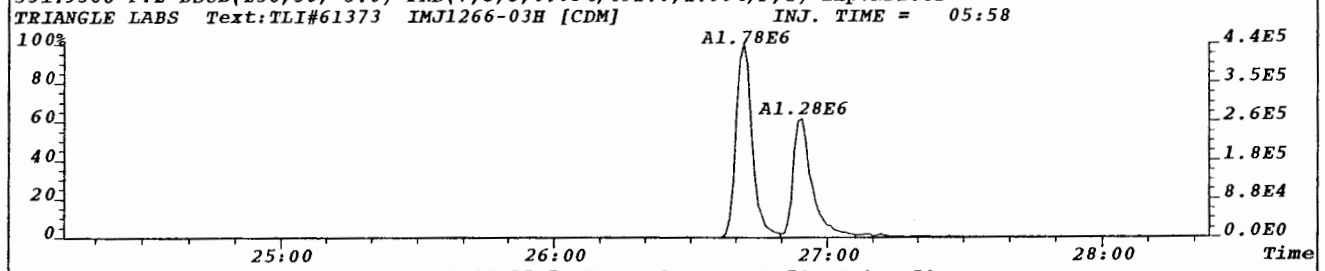
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:68
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58



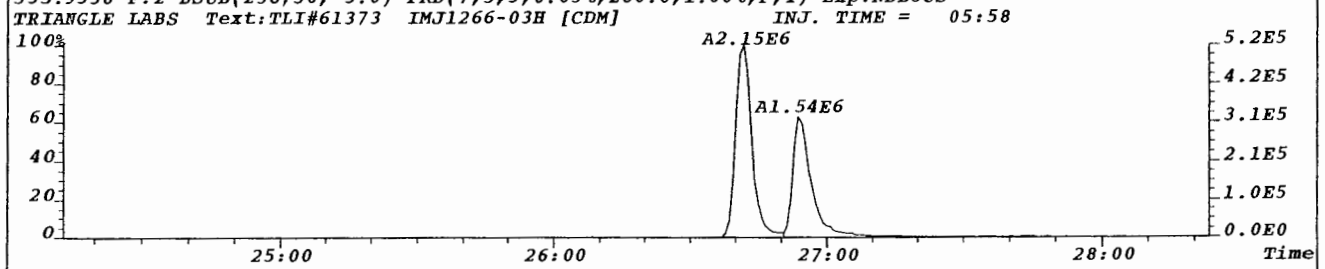
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:61
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58



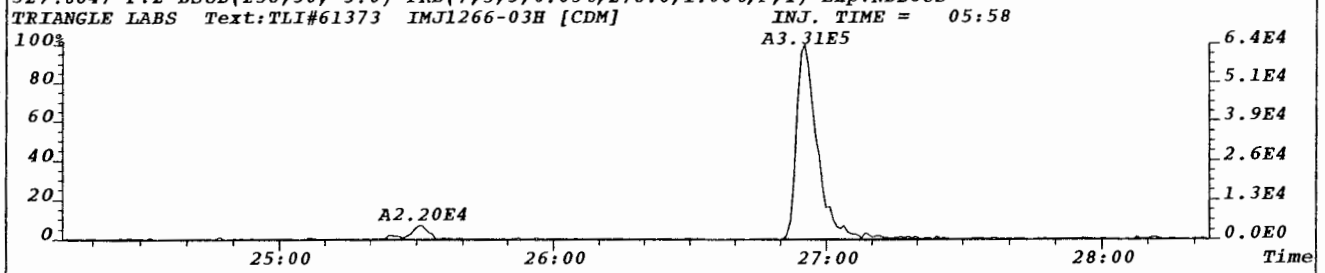
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:123
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,492.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58



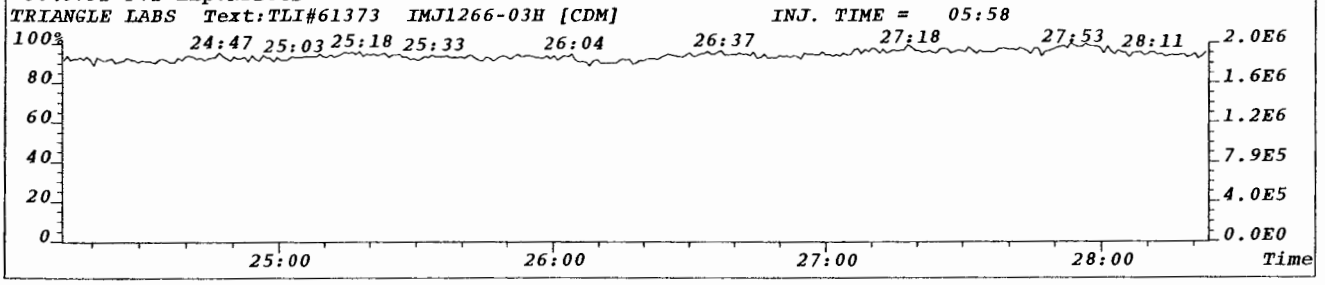
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:70
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58

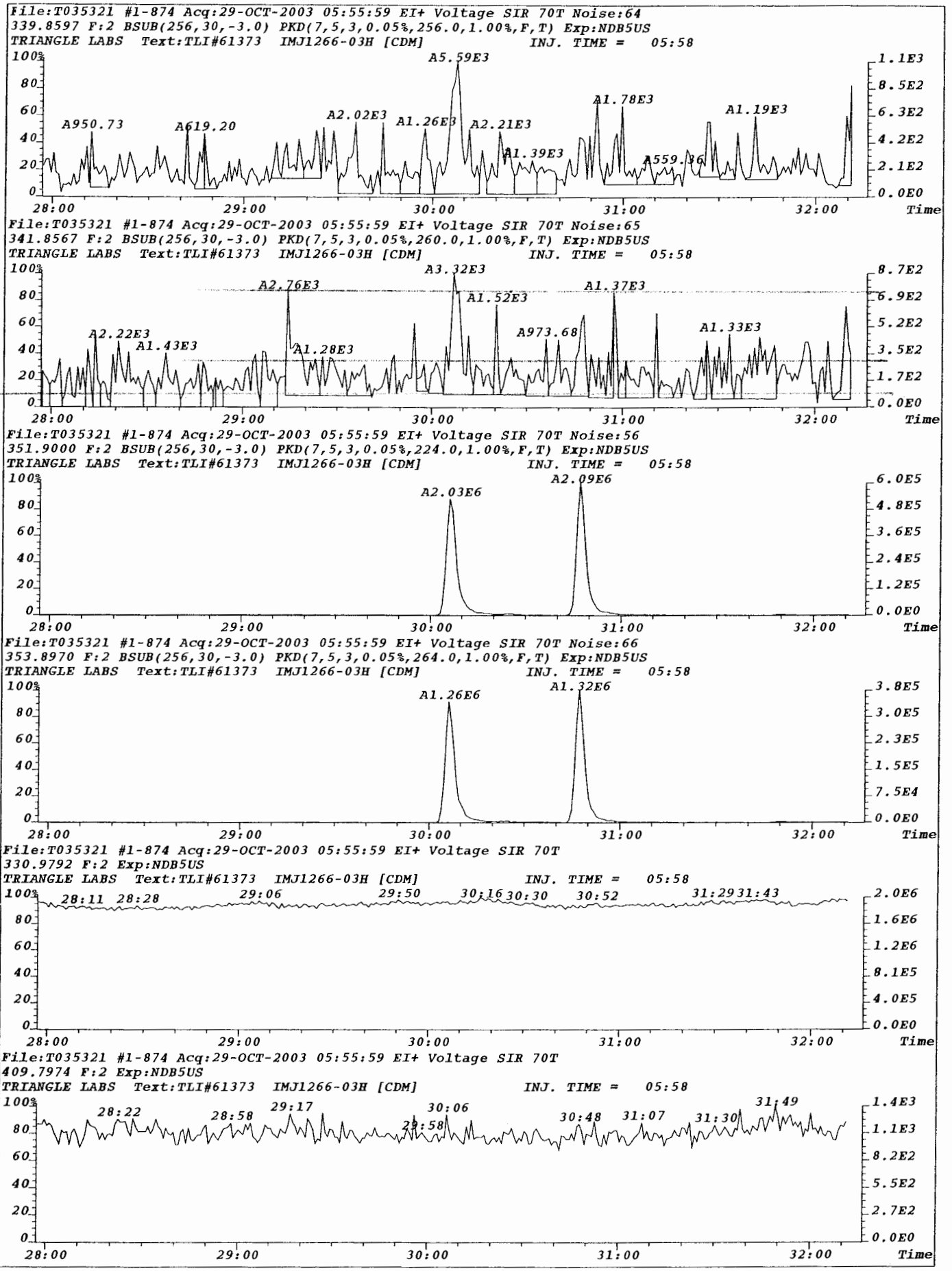


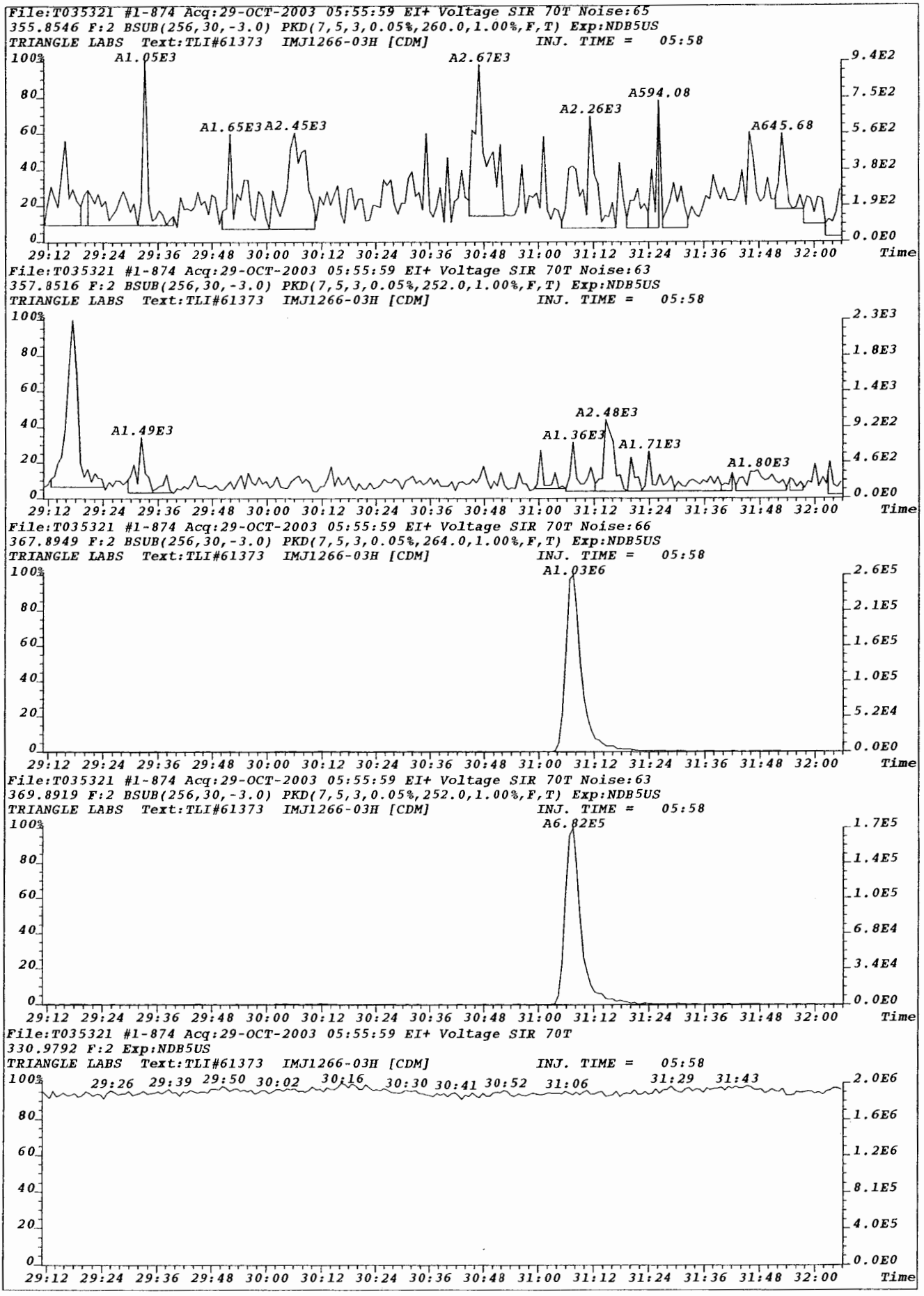
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:69
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58

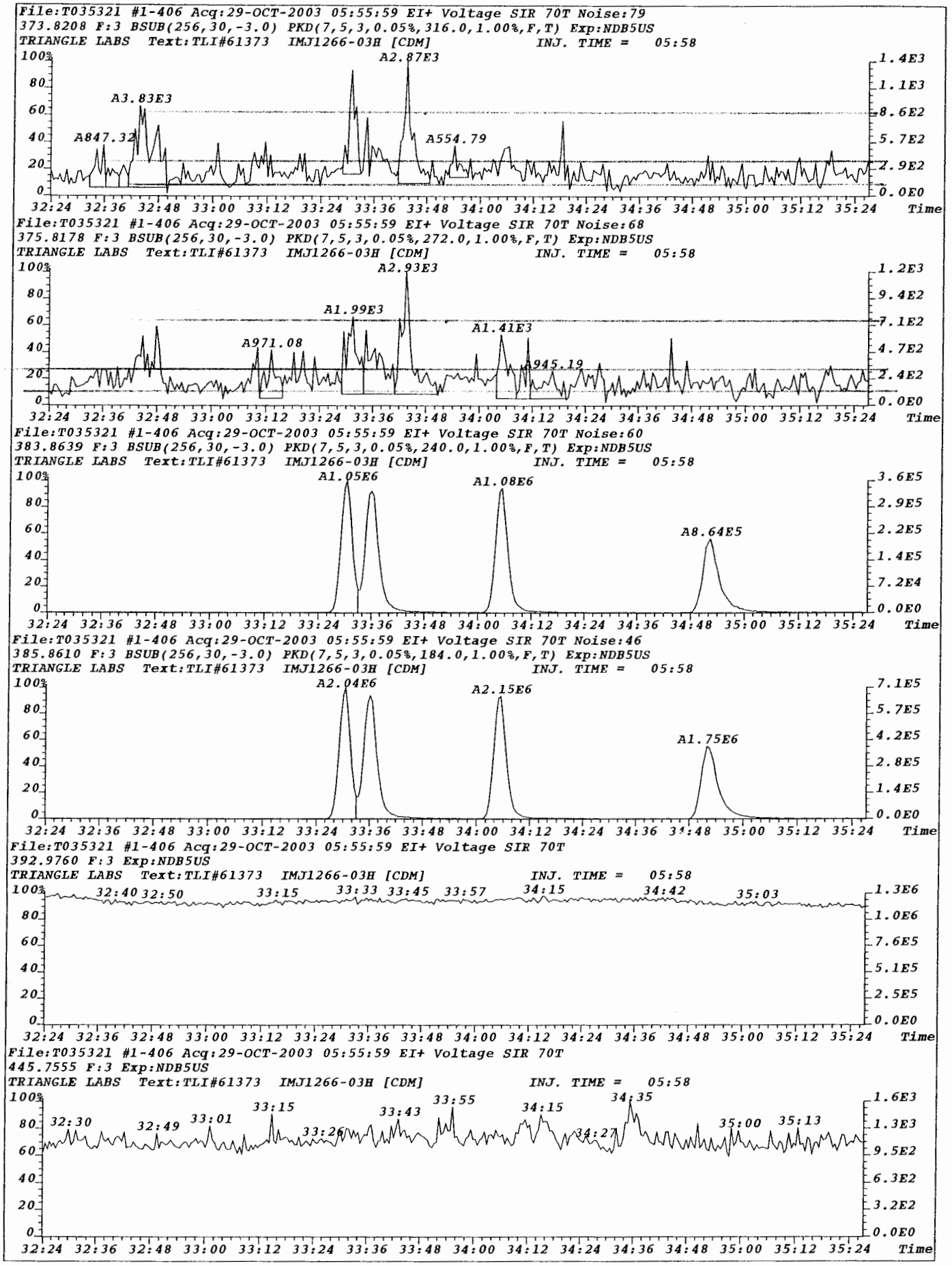


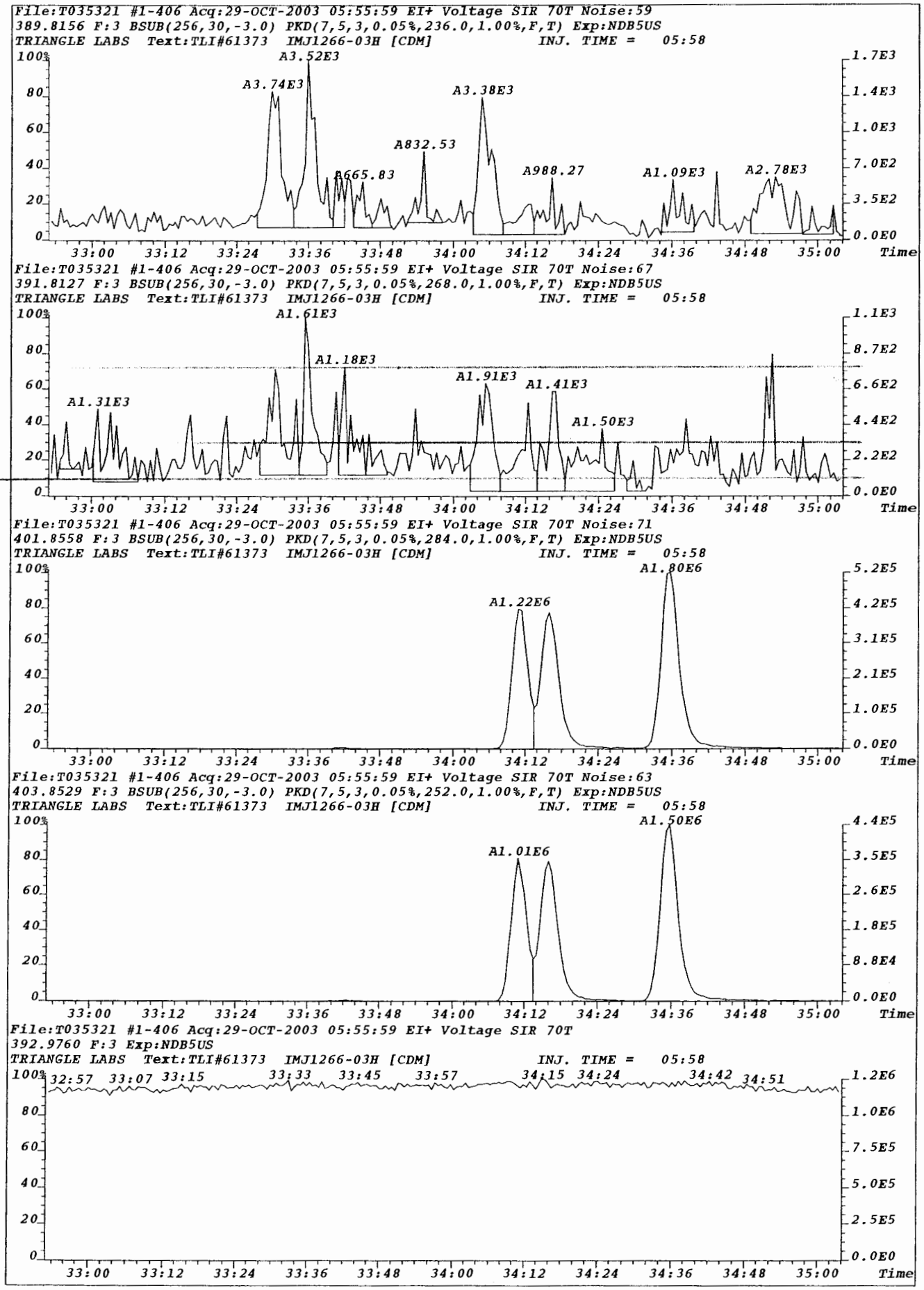
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58




File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:64
339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,256.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A5.59E3
A1.78E3
A2.02E3
A1.26E3
A2.21E3
A1.19E3
A950.73
A619.20
A1.39E3
A559.36
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:65
341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A3.32E3
A2.76E3
A1.52E3
A1.37E3
A2.22E3
A1.43E3
A1.28E3
A973.68
A1.33E3
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:56
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,224.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A2.09E6
A2.03E6
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:66
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.32E6
A1.26E6
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
28:11 28:28 29:06 29:50 30:16 30:30 30:52 31:29 31:43
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
28:22 28:58 29:17 29:58 30:06 30:48 31:07 31:30 31:49
Time


File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:65
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.05E3
A1.65E3
A2.45E3
A2.67E3
A2.26E3
A594.08
A645.68
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:63
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.49E3
A1.36E3
A2.48E3
A1.71E3
A1.80E3
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:66
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.03E6
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:63
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A6.82E5
File:T035321 #1-874 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
29:26 29:39 29:50 30:02 30:16 30:30 30:41 30:52 31:06 31:29 31:43
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00
Time


File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:79
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,316.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A2.87E3
A3.83E3
A847.32
A554.79
File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:68
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A2.93E3
A1.99E3
A1.41E3
A971.08
A945.19
File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:60
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.05E6
A1.08E6
A8.64E5
File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:46
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,184.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A2.04E6
A2.15E6
A1.75E6
File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
Time


File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:59
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A3.52E3
A3.74E3
A3.38E3
A832.53
A665.83
A988.27
A1.09E3
A2.78E3
File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:67
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.61E3
A1.18E3
A1.91E3
A1.41E3
A1.31E3
A1.50E3
File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:71
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.80E6
A1.22E6
File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:63
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.50E6
A1.01E6
File:T035321 #1-406 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
32:57 33:07 33:15 33:33 33:45 33:57 34:15 34:24 34:42 34:51
100%
80
60
40
20
0
33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00
Time
1.7E3
1.4E3
1.0E3
7.0E2
3.5E2
0.0E0
1.1E3
8.7E2
6.6E2
4.4E2
2.2E2
5.2E5
4.2E5
3.1E5
2.1E5
1.0E5
4.4E5
3.5E5
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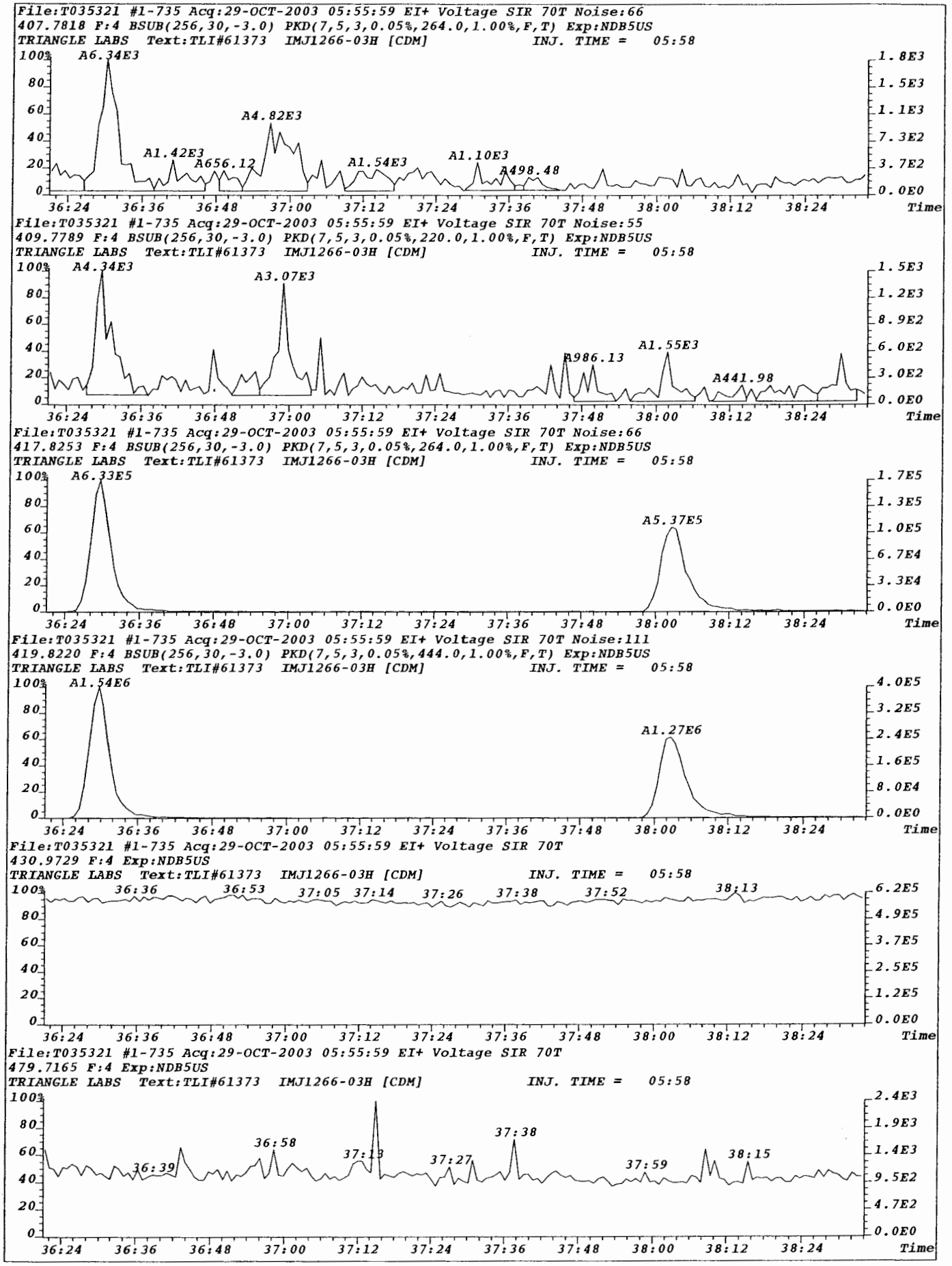
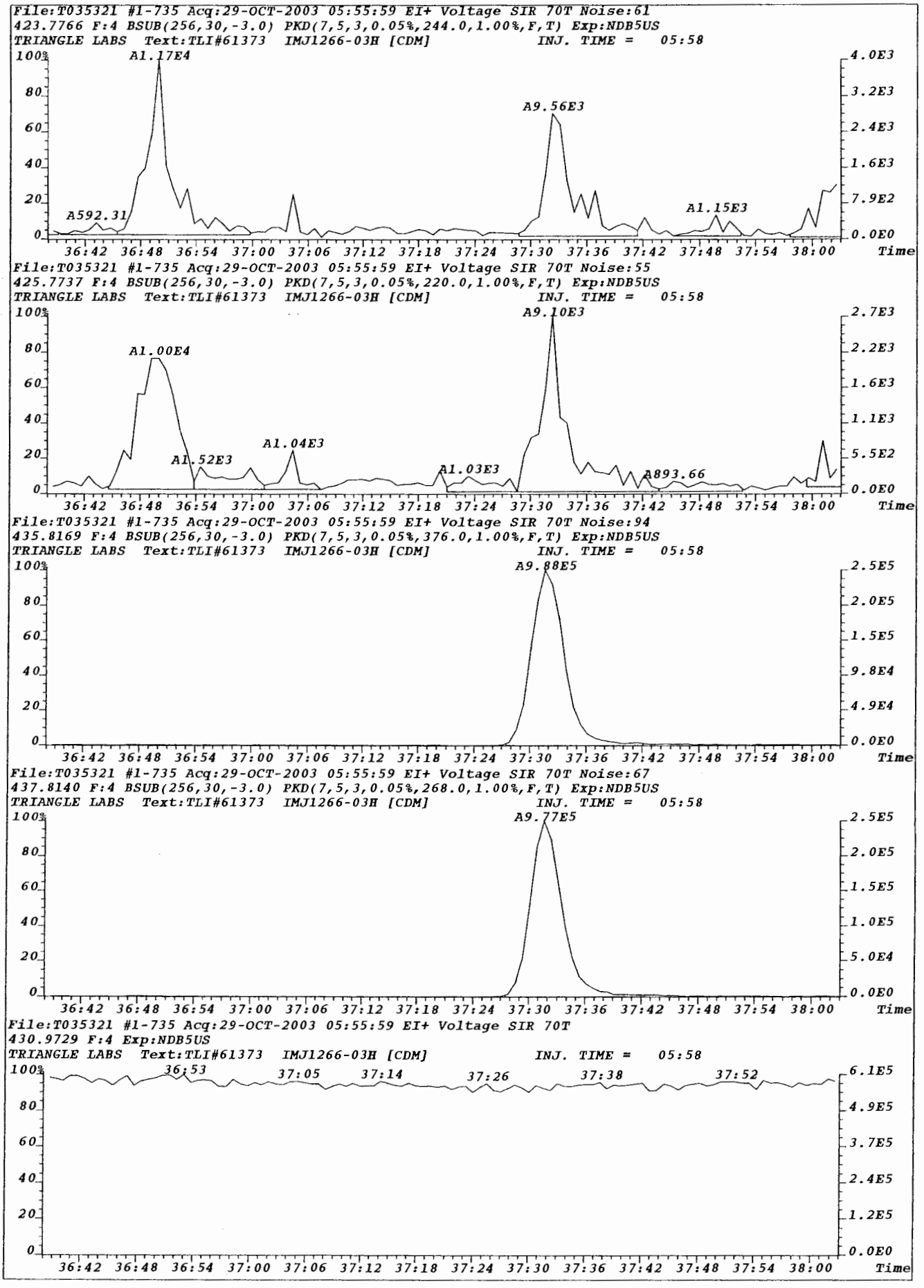
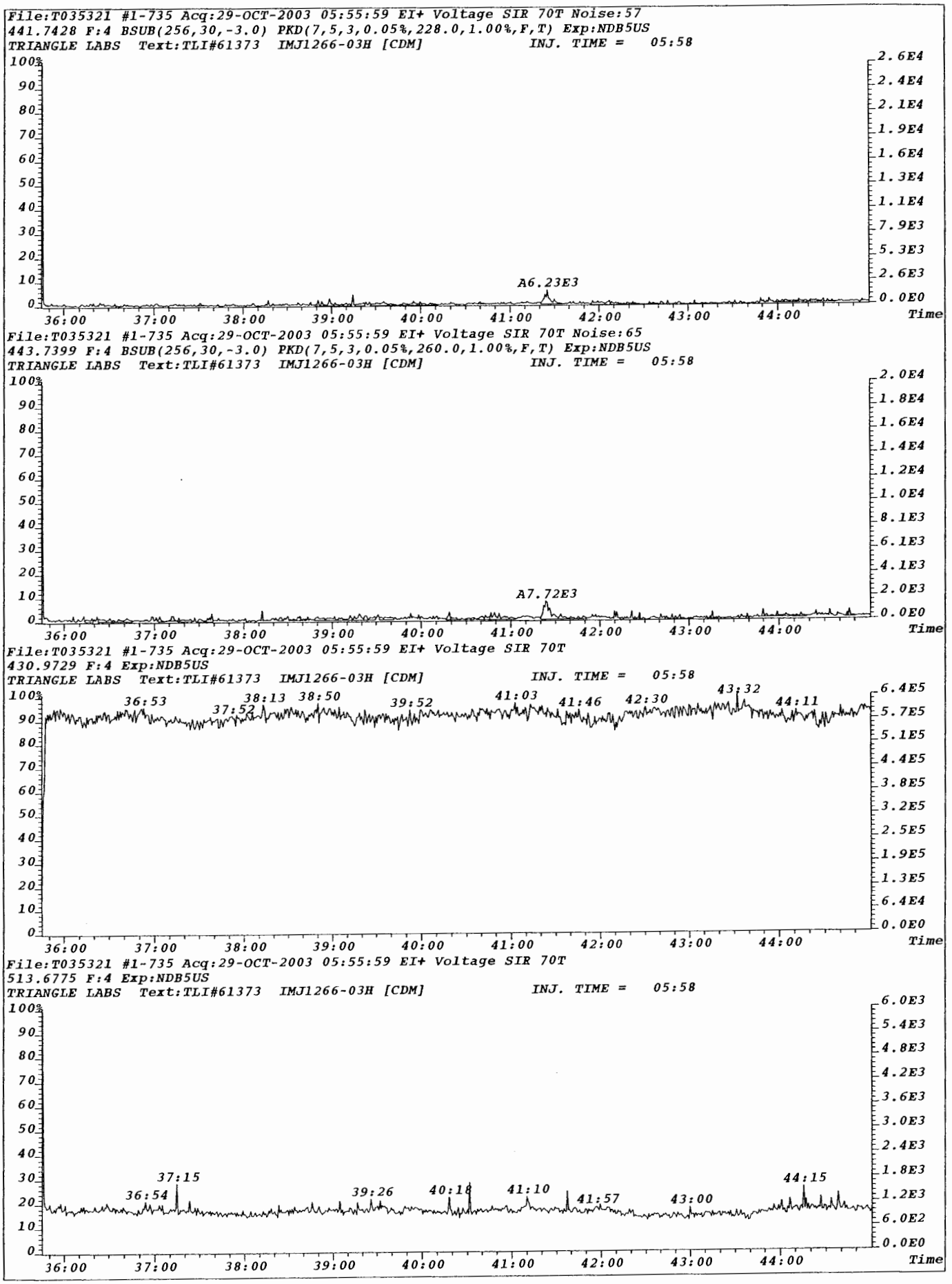
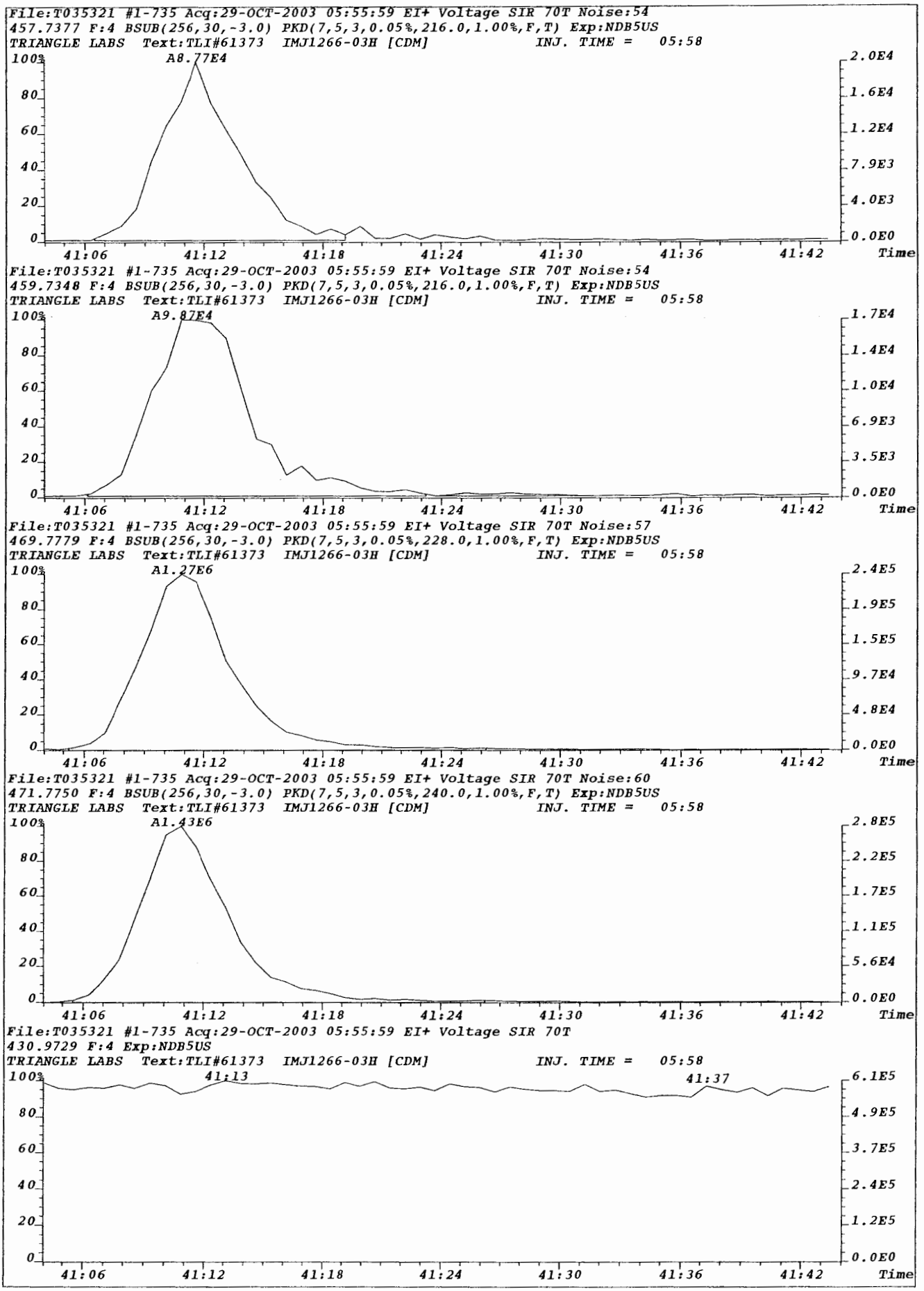
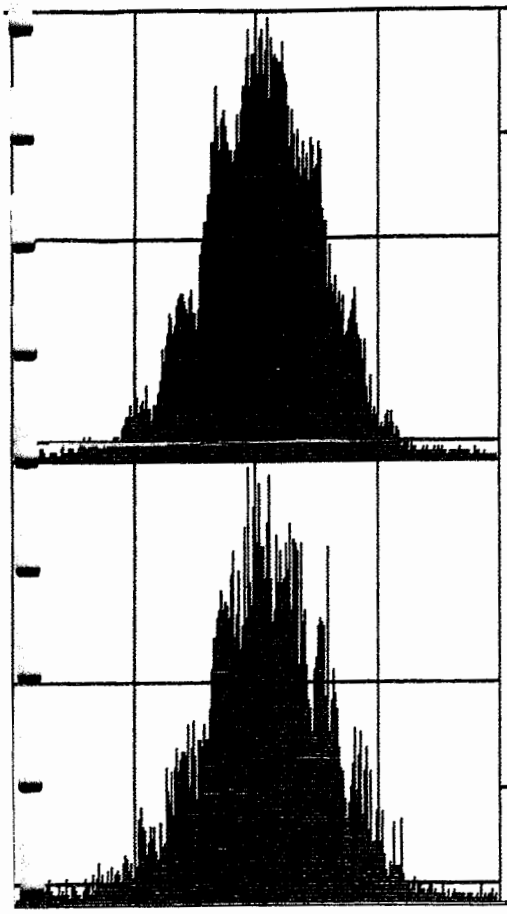
1.2E6
1.0E6
7.5E5
5.0E5
2.5E5


File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:66
407.7818 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A6.34E3
A4.82E3
A1.42E3
A656.12
A1.54E3
A1.10E3
A498.48
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:55
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,220.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A4.34E3
A3.07E3
A986.13
A1.55E3
A441.98
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:66
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A6.33E5
A5.37E5
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:111
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,444.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.54E6
A1.27E6
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
Time


File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:61
423.7766 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.17E4
A9.56E3
A592.31
A1.15E3
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:55
425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,220.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A9.10E3
A1.00E4
A1.04E3
A1.52E3
A1.03E3
A893.66
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:94
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,376.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A9.88E5
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:67
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A9.77E5
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
36:53
37:05
37:14
37:26
37:38
37:52
36:42 36:48 36:54 37:00 37:06 37:12 37:18 37:24 37:30 37:36 37:42 37:48 37:54 38:00
Time


File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:57
441.7428 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A6.23E3
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:65
443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A7.72E3
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
36:53 37:52 38:13 38:50 39:52 41:03 41:46 42:30 43:32 44:11
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
36:54 37:15 39:26 40:18 41:10 41:57 43:00 44:15
Time

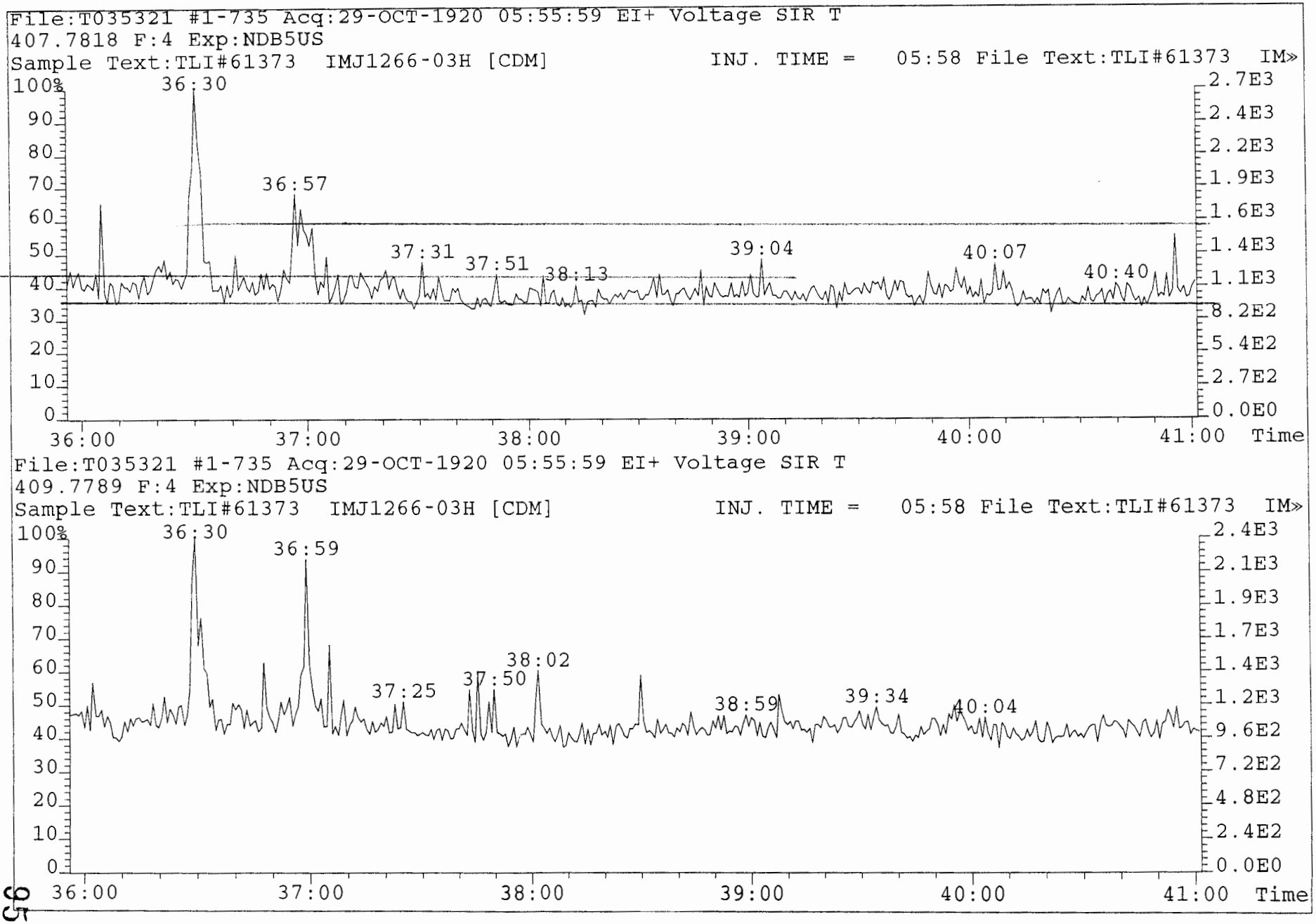

File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:54
457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A8.77E4
2.0E4
1.6E4
1.2E4
7.9E3
4.0E3
0.0E0
41:06
41:12
41:18
41:24
41:30
41:36
41:42
Time
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:54
459.7348 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A9.87E4
1.7E4
1.4E4
1.0E4
6.9E3
3.5E3
0.0E0
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:57
469.7779 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.27E6
2.4E5
1.9E5
1.5E5
9.7E4
4.8E4
0.0E0
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T Noise:60
471.7750 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
A1.43E6
2.8E5
2.2E5
1.7E5
1.1E5
5.6E4
0.0E0
File:T035321 #1-735 Acq:29-OCT-2003 05:55:59 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-03H [CDM] INJ. TIME = 05:58
41:13
41:37
6.1E5
4.9E5
3.7E5
2.4E5
1.2E5
0.0E0



Channel	I 330.9792		Peak top
Height	.36 volts	Span	200 ppm

System file name			NDB5US
Data file name			A:T029031
Resolution			10000
Group number			2
Ionization mode			EI+
Switching			VOLTAGE
Ref. masses	292.9825,		416.9760
A 293	J 331		S 368
B 304	K 332		T 370
C 306	L 334		U 376
D 316	M 340		V 410
E 318	N 342		
F 320	O 352		
G 322	P 354		
H 328	Q 356		
I 331	R 358		

Ref. mass	416.9760		Peak top
Height	.06 volts	Span	200 ppm


File:T035321 #1-735 Acq:29-OCT-1920 05:55:59 EI+ Voltage SIR T
407.7818 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-03H [CDM]
INJ. TIME = 05:58 File Text:TLI#61373 IM»
100%
90
80
70
60
50
40
30
20
10
0
36:30
36:57
37:31
37:51
38:13
39:04
40:07
40:40
2.7E3
2.4E3
2.2E3
1.9E3
1.6E3
1.4E3
1.1E3
8.2E2
5.4E2
2.7E2
0.0E0
36:00
37:00
38:00
39:00
40:00
41:00
Time
File:T035321 #1-735 Acq:29-OCT-1920 05:55:59 EI+ Voltage SIR T
409.7789 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-03H [CDM]
INJ. TIME = 05:58 File Text:TLI#61373 IM»
100%
90
80
70
60
50
40
30
20
10
0
36:30
36:59
37:25
37:50
38:02
38:59
39:34
40:04
2.4E3
2.1E3
1.9E3
1.7E3
1.4E3
1.2E3
9.6E2
7.2E2
4.8E2
2.4E2
0.0E0
36:00
37:00
38:00
39:00
40:00
41:00
Time

Del Mar Analytical

TLI Project: **61373** — Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **IMJ1266-04H [CDM]** — Analysis File: **T035322**

Client Project:	**2003 Prices, Sequoia Network**				
Sample Matrix:	**WATER**	Date Received:	**10/24/2003**	Spike File:	**SPMIT32S**
TLI ID:	**365-63-3A**	Date Extracted:	**10/26/2003**	ICal:	**TF53183**
		Date Analyzed:	**10/29/2003**	ConCal:	**T035313**
Sample Size:	**1.025 L**	Dilution Factor:	**n/a**	% Moisture:	**n/a**
Dry Weight:	**n/a**	Blank File:	**T035314**	% Lipid:	**n/a**
GC Column:	**DB-5**	Analyst:	**VSC**	% Solids:	**n/a**

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	ND	2.6				
1,2,3,7,8-PeCDD	ND	3.5				
1,2,3,4,7,8-HxCDD	ND	2.2				
1,2,3,6,7,8-HxCDD	ND	2.0				
1,2,3,7,8,9-HxCDD	ND	2.1				
1,2,3,4,6,7,8-HpCDD	ND	3.3				
1,2,3,4,6,7,8,9-OCDD	ND	6.4				
2,3,7,8-TCDF	ND	2.0				
1,2,3,7,8-PeCDF	ND	1.6				
2,3,4,7,8-PeCDF	ND	2.0				
1,2,3,4,7,8-HxCDF	ND	1.4				
1,2,3,6,7,8-HxCDF	ND	1.3				
2,3,4,6,7,8-HxCDF	ND	1.3				
1,2,3,7,8,9-HxCDF	ND	1.6				
1,2,3,4,6,7,8-HpCDF	ND	2.0				
1,2,3,4,7,8,9-HpCDF	ND	2.4				
1,2,3,4,6,7,8,9-OCDF	ND	5.0				

Totals	Conc. (pg/L)	Number	DL	EMPC	Flags
Total TCDD	ND		2.6		
Total PeCDD	ND		3.5		
Total HxCDD	ND		2.1		
Total HpCDD	ND		3.3		
Total TCDF	ND		2.0		
Total PeCDF	ND		1.8		
Total HxCDF	ND		1.4		
Total HpCDF	ND		2.2		

MIT3_PSR v1.00, LARS 6.25.05

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Phone: (919) 544-5729 • Fax: (919) 544-5491

Printed: 11:29 10/29/2003

TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)

Client Sample: **IMJ1266-04H [CDM]** Analysis File: **T035322**

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,7,8-TCDF	1620	82.9	40%-135%	0.76	26:12	___
$^{13}C_{12}$-2,3,7,8-TCDD	1560	79.8	40%-135%	0.81	26:54	___
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1660	84.8	40%-135%	1.59	30:06	___
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1440	73.7	40%-135%	1.44	31:07	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1750	89.7	40%-135%	0.50	33:35	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1640	83.9	40%-135%	1.21	34:15	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1610	82.3	40%-135%	0.40	36:29	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1720	88.3	40%-135%	1.03	37:31	___
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	2420	62.0	40%-135%	0.88	41:10	___

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1890	96.9	40%-135%	1.55	30:47	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1620	83.1	40%-135%	0.50	33:30	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1500	77.1	40%-135%	1.17	34:10	___
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1520	77.8	40%-135%	0.41	38:03	___

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	150	76.8	40%-135%	26:55	___

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1540	78.7	40%-135%	0.51	34:52	___
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1610	82.4	40%-135%	0.51	34:05	___

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.83	26:42	___
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.19	34:35	___

Data Reviewer: _____ 10/29/2003

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 11:29 10/29/2003

Initial ....Date...

Data Review By: QK 11/29/03

Calculated Noise Height: 0.03

The Total Area for each peak with an ion abundance ratio outside ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035322B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF						0.65-0.89				0.875-1.073			
304-306	DC	NL				Height	0.14	0.08	0.06				
304-306			0 Peaks				0.00						
13C12-TCDF						0.65-0.89				0.962-1.038			
316-318	DC	NL				Height	0.12	0.06	0.06				
				26:12		0.76	352.29	152.45	199.84	1.000	13C12-2378-TCDF	IS0	
						Height	65.23	28.05	37.18				
316-318			1 Peak				352.29						
---------- Above: TCDF / TCDD Follows ----------													
TCDD						0.65-0.89				0.900-1.043			
320-322	DC	NL				Height	0.10	0.05	0.05				
	DC	WL		24:12	RO	1.67	0.05			0.900			
	DC	SN		26:02	RO	1.50	0.14			0.968			
320-322			0 Peaks				0.00						
37Cl-TCDD										0.926-1.074			
328	DC	NL				Height	0.05	0.05					
				25:31			0.04	0.04		0.949			
				25:35			0.07	0.07		0.951			
	DC	SN		26:09			0.01			0.972			
	DC	SN		26:10			0.07			0.973			
	DC	SN		26:21			0.06			0.980			
				26:55			26.35	26.35		1.001	37Cl-TCDD		CLS
				27:18			0.65	0.65		1.015			
				27:27			0.45	0.45		1.020			
				27:32			0.12	0.12		1.024			
				27:47			0.26	0.26		1.033			
				27:53			0.14	0.14		1.037			
	DC	SN		27:57			0.11			1.039			
				28:15			0.19	0.19		1.050			
328			9 Peaks				28.27						
13C12-TCDD						0.65-0.89				0.926-1.074			
332-334	DC	NL				Height	0.14	0.08	0.06				
				26:42		0.83	313.95	142.38	171.57	0.993	13C12-1234-TCDD	RS1	
				26:54		0.81	234.75	105.23	129.52	1.000	13C12-2378-TCDD	IS1	
						Height	45.75	21.09	24.66				
				27:17	RO	1.08	3.54	2.15	2.00	1.014			
				27:27	RO	0.60	1.40	0.61	1.01	1.020			
				27:37	RO	0.60	1.17	0.51	0.85	1.027			
				27:44	RO	0.52	1.01	0.44	0.84	1.031			

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
				27:53	RO	1.56	0.64	0.56	0.36	1.037			
				27:58	RO	0.48	0.46	0.20	0.42	1.040			
332-334			8 Peaks				556.92						
---------- Above: TCDD / PeCDF Follows ----------													
PeCDF				1.32-1.78						0.929-1.061			
340-342		DC	NL			Height	0.10	0.04	0.06				
	D	D	SN	29:24	RO	2.14	0.18			0.977			
		DC	SN	31:24	RO	4.00	0.08			1.043			
		DC	SN	31:45	RO	2.00	0.20			1.055			
340-342			0 Peaks				0.00						
13C12-PeCDF				1.32-1.78						0.867-1.133			
352-354		DC	NL			Height	0.10	0.05	0.05				
				29:22	RO	1.83	0.59	0.42	0.23	0.976			
				29:53	RO	2.38	0.33	0.31	0.13	0.993			
				30:06		1.59	290.81	178.60	112.21	1.000	13C12-PeCDF 123	IS2	
						Height	70.58	42.72	27.86				
				30:23		1.69	7.28	4.57	2.71	1.009			
				30:34		1.50	0.80	0.48	0.32	1.016			
				30:47		1.55	304.15	185.07	119.08	1.023	13C12-PeCDF 234	SUR1	
				31:05		1.50	4.10	2.46	1.64	1.033			
				31:29	RO	0.55	0.36	0.22	0.40	1.046			
				31:52		1.45	2.70	1.60	1.10	1.059			
352-354			9 Peaks				611.12						
---------- Above: PeCDF / PeCDD Follows ----------													
PeCDD				1.32-1.78						0.938-1.021			
356-358		DC	NL			Height	0.09	0.05	0.04				
		DC	SN	30:27	RO	0.65	0.21			0.979			
	D	D	SN	30:46	RO	0.93	0.43			0.989			
		DC	SN	31:11	RO	0.20	0.08			1.002			
		DC	SN	31:39	RO	0.77	0.16			1.017			
356-358			0 Peaks				0.00						
13C12-PeCDD				1.32-1.78						0.871-1.129			
368-370		DC	NL			Height	0.10	0.05	0.05				
				30:04	RO	0.94	0.25	0.15	0.16	0.966			
				30:12	RO	1.91	0.89	0.67	0.35	0.971			
				31:07		1.44	147.13	86.81	60.32	1.000	13C12-PeCDD 123	IS3	
						Height	35.03	20.18	14.85				
				31:30		1.77	1.19	0.76	0.43	1.012			
				31:38	RO	0.78	0.23	0.14	0.18	1.017			
				31:44	RO	0.77	0.33	0.20	0.26	1.020			
				31:48	RO	0.80	0.20	0.12	0.15	1.022			
				31:53	RO	0.85	0.28	0.17	0.20	1.025			
368-370			8 Peaks				150.50						
---------- Above: PeCDD / HxCDF Follows ----------													

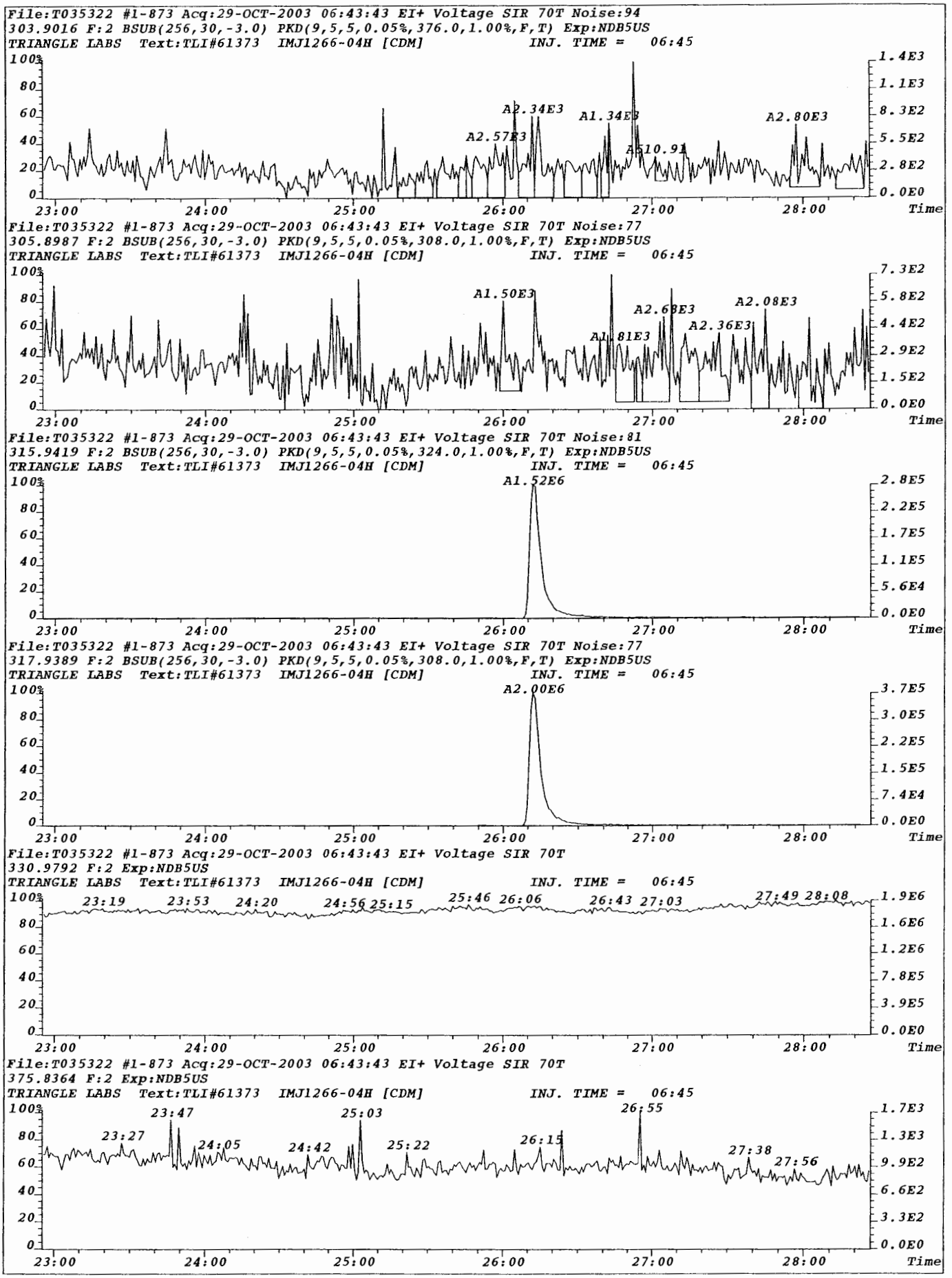
Compound/ M_Z....	QC.Log	Omit	Why	RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
HxCDF				1.05-1.43						0.964-1.045			
374-376	DC	NL		Height			0.09	0.05	0.04				
D	D	SN		33:30		1.05	0.41			0.998	123478-HxCDF	AN	
	DC	SN	RO	34:58		3.33	0.07			1.041			
	DC	SN	RO	35:02		2.67	0.07			1.043			
	DC	WH	RO	35:10		2.00	0.09			1.047			
374-376				0 Peaks			0.00						
13C12-HxCDF				0.43-0.59						0.881-1.119			
384-386	DC	NL		Height			0.15	0.10	0.05				
				33:30		0.50	279.34	93.51	185.83	0.998	13C12-HxCDF 478	SUR2	
				33:35		0.50	326.69	108.81	217.88	1.000	13C12-HxCDF 678	IS4	
				Height			93.63	31.23	62.40				
				34:05		0.51	297.83	100.51	197.32	1.015	13C12-HxCDF 234	ALT2	
			RO	34:15		0.78	2.61	0.88	1.13	1.020			
			RO	34:22		0.30	1.13	0.38	1.28	1.023			
			RO	34:37		0.20	0.68	0.23	1.14	1.031			
				34:52		0.51	245.92	82.69	163.23	1.038	13C12-HxCDF 789	ALT1	
			RO	35:13		0.15	0.62	0.21	1.38	1.049			
384-386				8 Peaks			1,154.82						
---------- Above: HxCDF / HxCDD Follows ----------													
HxCDD				1.05-1.43						0.960-1.014			
390-392	DC	NL		Height			0.09	0.04	0.05				
D	D	SN	RO	33:36		1.74	0.43			0.981			
	DC	SN	RO	34:26		0.33	0.05			1.005			
	DC	WH	RO	34:51		3.13	0.18			1.018			
	DC	WH	RO	34:56		2.50	0.13			1.020			
	DC	WH	RO	35:05		2.00	0.11			1.024			
390-392				0 Peaks			0.00						
13C12-HxCDD				1.05-1.43						0.971-1.029			
402-404	DC	NL		Height			0.10	0.05	0.05				
			RO	33:41		0.97	1.82	1.01	1.04	0.983			
				34:10		1.17	204.20	110.07	94.13	0.998	13C12-HxCDD 478	SUR3	
				34:15		1.21	242.46	132.74	109.72	1.000	13C12-HxCDD 678	IS5	
				Height			68.95	37.35	31.60				
				34:35		1.19	282.73	153.59	129.14	1.010	13C12-HxCDD 789	RS2	
			RO	34:54		0.54	0.89	0.49	0.91	1.019			
				35:01		1.30	0.76	0.43	0.33	1.022			
402-404				6 Peaks			732.86						
---------- Above: HxCDD / HpCDF Follows ----------													
HpCDF				0.88-1.20						0.996-1.047			
408-410	DC	NL		Height			0.08	0.04	0.04				
D	D	SN	RO	36:30		1.48	0.55			1.000	1234678-HpCDF	AN	
	DC	SN	RO	37:04		0.86	0.12			1.016			
408-410				0 Peaks			0.00						

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
13C12-HpCDF				0.37-0.51						0.945-1.110			
418-420	DC	NL		Height			0.17	0.08	0.09				
				36:29		0.40	202.34	58.10	144.24	1.000	13C12-HpCDF	678	IS6
				Height			49.43	13.76	35.67				
				36:56	RO	0.76	1.11	0.34	0.45	1.012			
				37:16	RO	2.13	0.23	0.34	0.16	1.021			
				38:03		0.41	157.99	46.19	111.80	1.043	13C12-HpCDF	789	SUR4
				38:25	RO	0.12	0.33	0.10	0.86	1.053			
				38:34	RO	0.61	0.65	0.20	0.33	1.057			
418-420			6 Peaks				362.65						
---------- Above: HpCDF / HpCDD Follows ----------													
HpCDD				0.88-1.20						0.976-1.005			
424-426	DC	NL		Height			0.10	0.05	0.05				
	DC	SN	37:14	RO	0.63		0.10			0.992			
	DC	WH	38:03	RO	2.61		0.37			1.014			
424-426			0 Peaks				0.00						
13C12-HpCDD				0.88-1.20						0.973-1.027			
436-438	DC	NL		Height			0.14	0.08	0.06				
			37:31			1.03	189.92	96.38	93.54	1.000	13C12-HpCDD	678	IS7
				Height			45.11	22.62	22.49				
436-438			1 Peak				189.92						
---------- Above: HpCDD / Octa-CDD and CDF Follows ----------													
OCDF				0.76-1.02						0.903-1.097			
442-444	DC	NL		Height			0.10	0.05	0.05				
	DC	SN	37:10	RO	0.69		0.19			0.903			
	DC	SN	37:23		0.82		0.20			0.908			
			37:27	RO	0.70		0.15	0.07	0.10	0.910			
	DC	SN	37:46	RO	4.00		0.15			0.917			
	DC	SN	41:01	RO	0.75		0.13			0.996			
	DC	SN	44:39	RO	1.29		0.13			1.085			
	DC	SN	44:54	RO	4.00		0.08			1.091			
442-444			1 Peak				0.15						
OCDD				0.76-1.02						0.903-1.097			
458-460	DC	NL		Height			0.08	0.04	0.04				
D	D	SN	41:10		0.76		1.02			1.000	OCDD		AN
458-460			0 Peaks				0.00						
13C12-OCDD				0.76-1.02						0.997-1.005			
470-472	DC	NL		Height			0.08	0.04	0.04				
			41:10			0.88	242.67	113.89	128.78	1.000	13C12-OCDD		IS8
				Height			45.37	21.16	24.21				
	DC	WH	41:35	RO	1.46		0.45			1.010			
	DC	WH	41:40	RO	0.56		0.30			1.012			
470-472			1 Peak				242.67						

Compound/
M_Z.... QC.Log Omit Why ..RT. OK Ratio Total.Area/Ht Area/Ht.Peak1 Area/Ht.Peak2 Rel.RT Compound.Name.. ID.. Flags.

Column Description.....	"Why" Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.1 -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

*** End of Report ***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303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,376.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A2.34E3
A1.34E3
A2.57E3
A2.80E3
A1.50E3
A2.68E3
A2.08E3
A2.36E3
A1.81E3
A1.52E6
A2.00E6
23:19
23:53
24:20
24:56
25:15
25:46
26:06
26:43
27:03
27:49
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24:42
25:03
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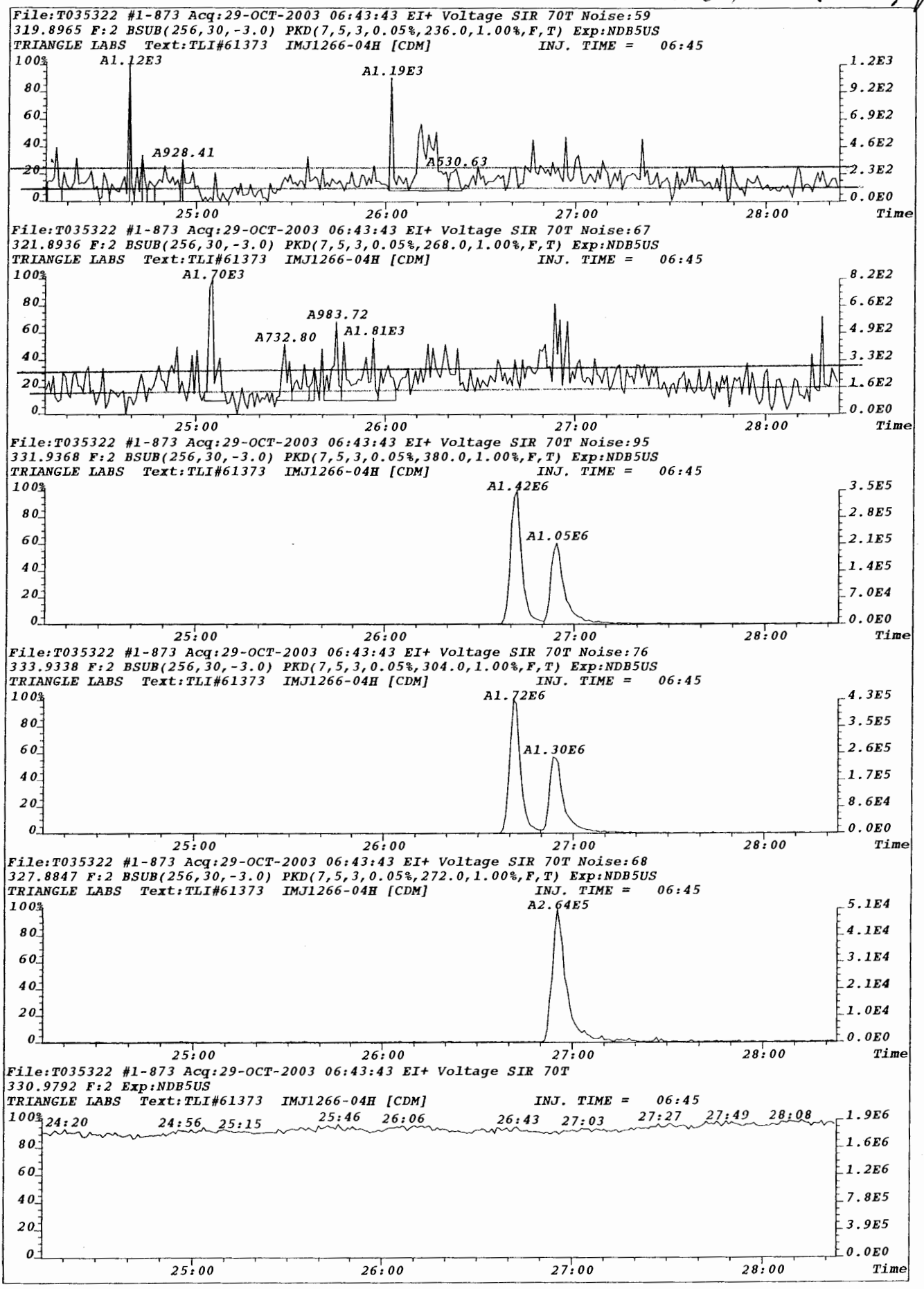
26:55
27:38
27:56
Time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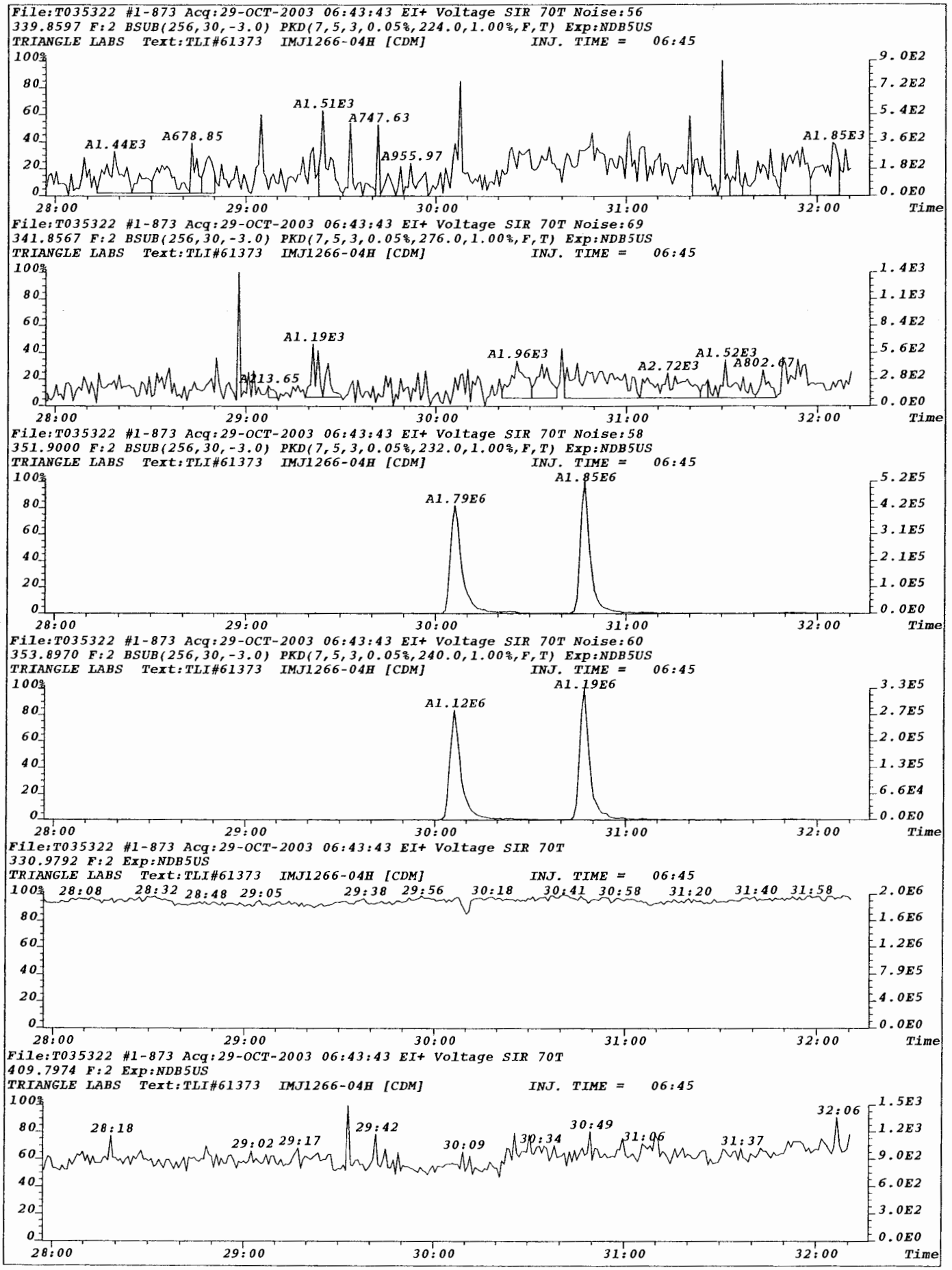
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.12E3
A1.19E3
A928.41
A930.63
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:67
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.70E3
A983.72
A732.80
A1.81E3
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:95
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,380.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.42E6
A1.05E6
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:76
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,304.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.72E6
A1.30E6
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:68
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A2.64E5
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
24:20 24:56 25:15 25:46 26:06 26:43 27:03 27:27 27:49 28:08
25:00 26:00 27:00 28:00 Time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339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,224.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.44E3
A678.85
A1.51E3
A747.63
A955.97
A1.85E3
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341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
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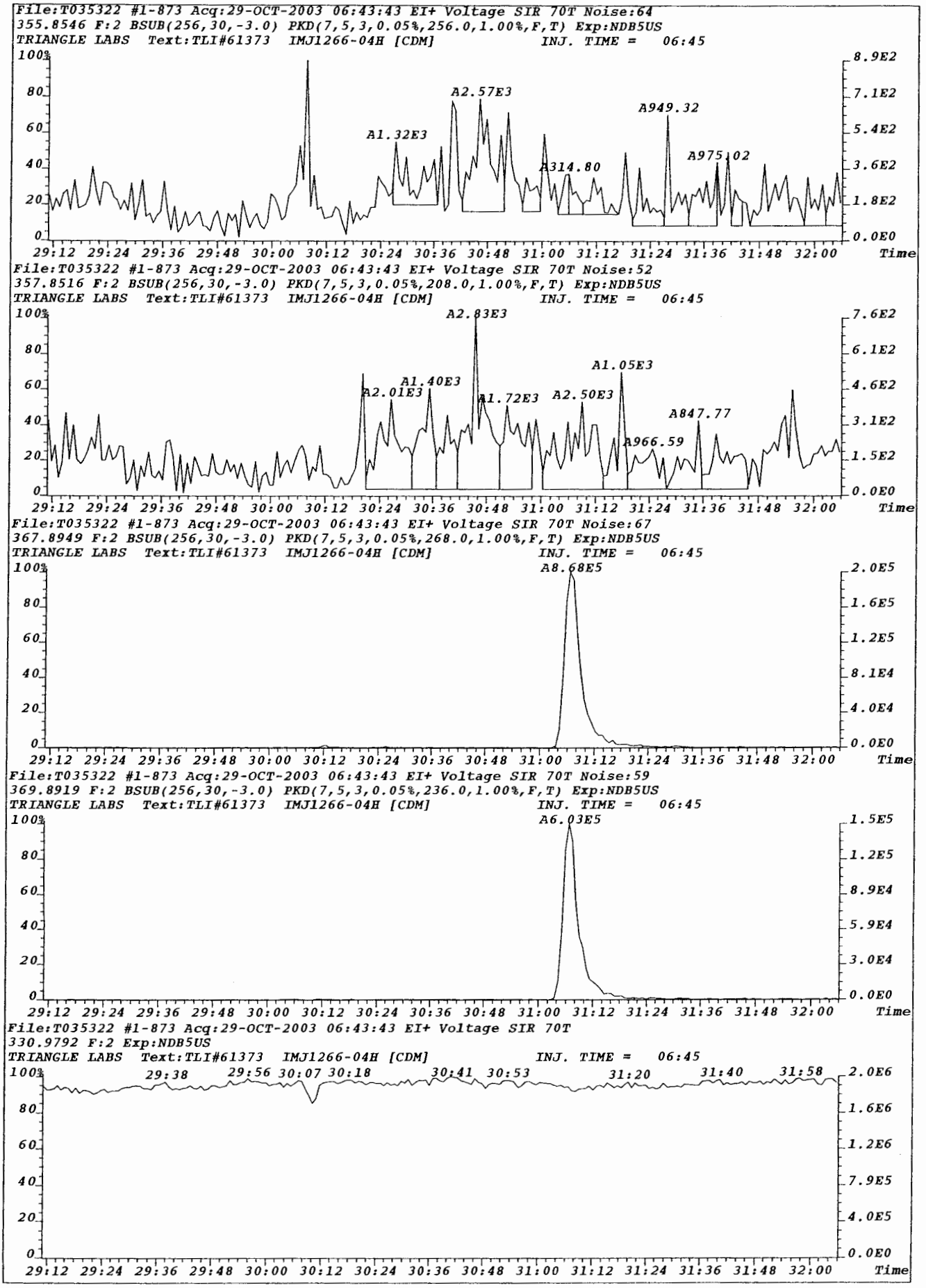
A1.19E3
A1.96E3
A2.72E3
A1.52E3
A802.67
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:58
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,232.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.79E6
A1.85E6
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:60
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.12E6
A1.19E6
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
28:18
29:02
29:17
29:42
30:09
30:34
30:49
31:06
31:37
32:06
Time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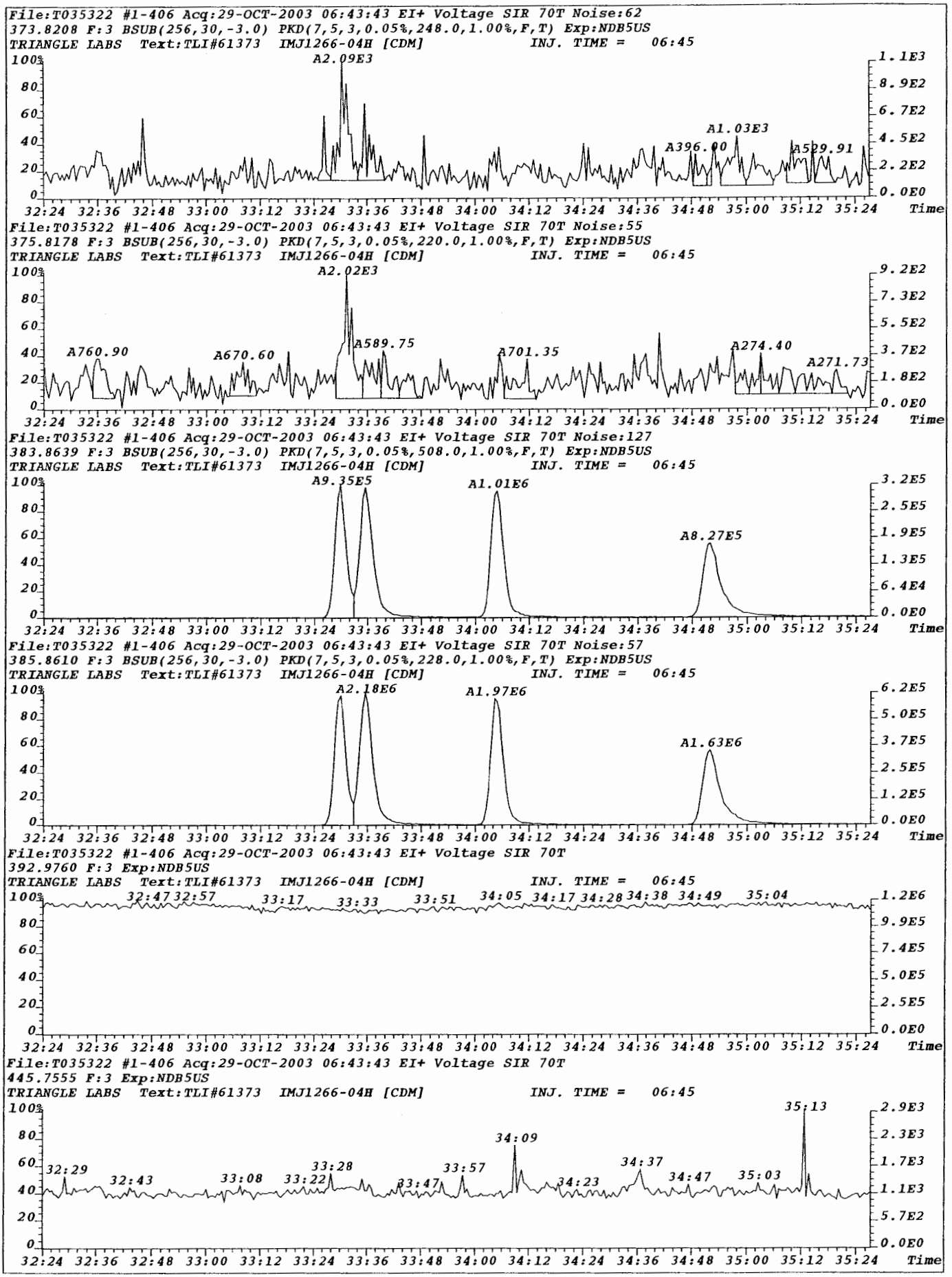
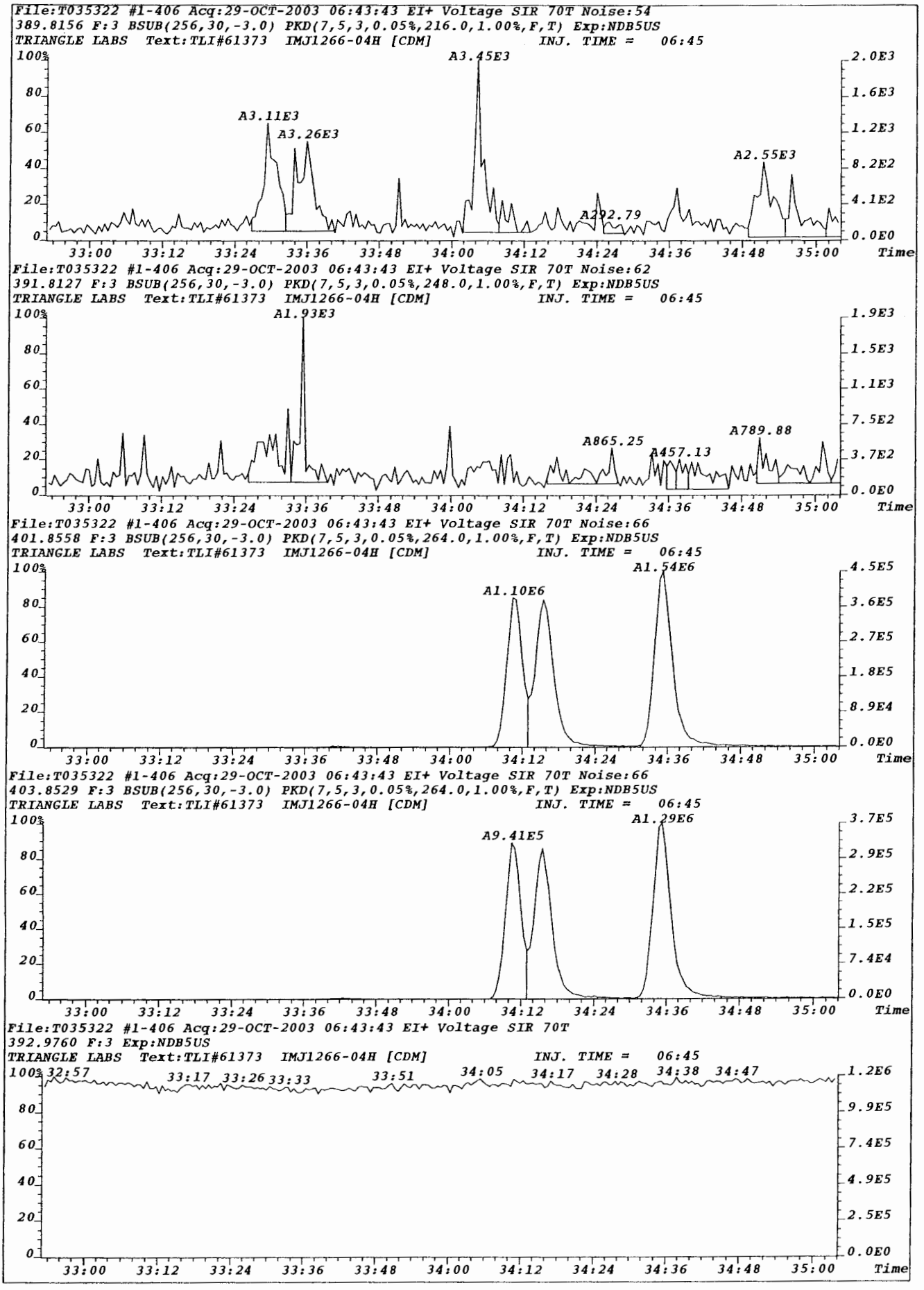
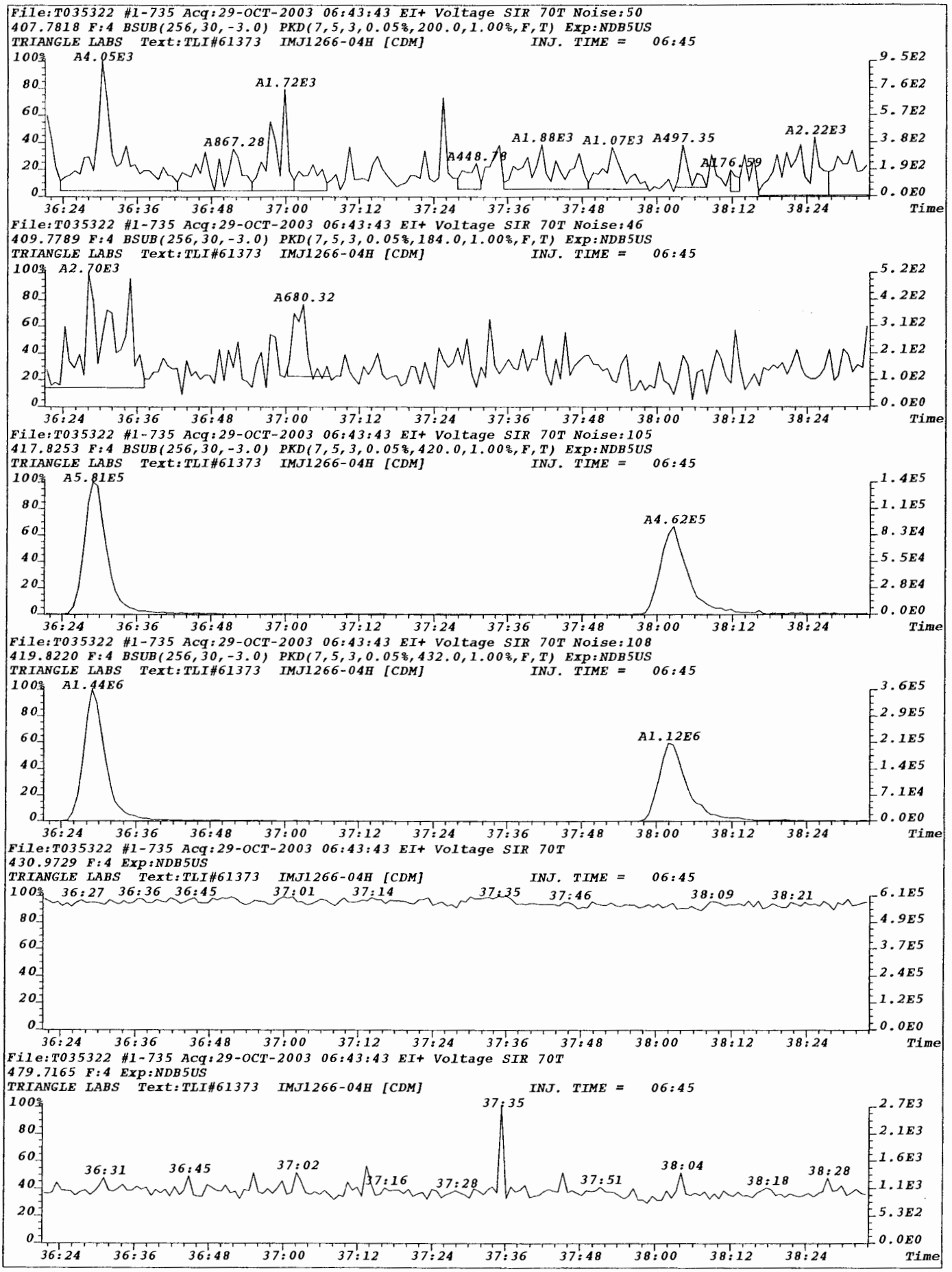
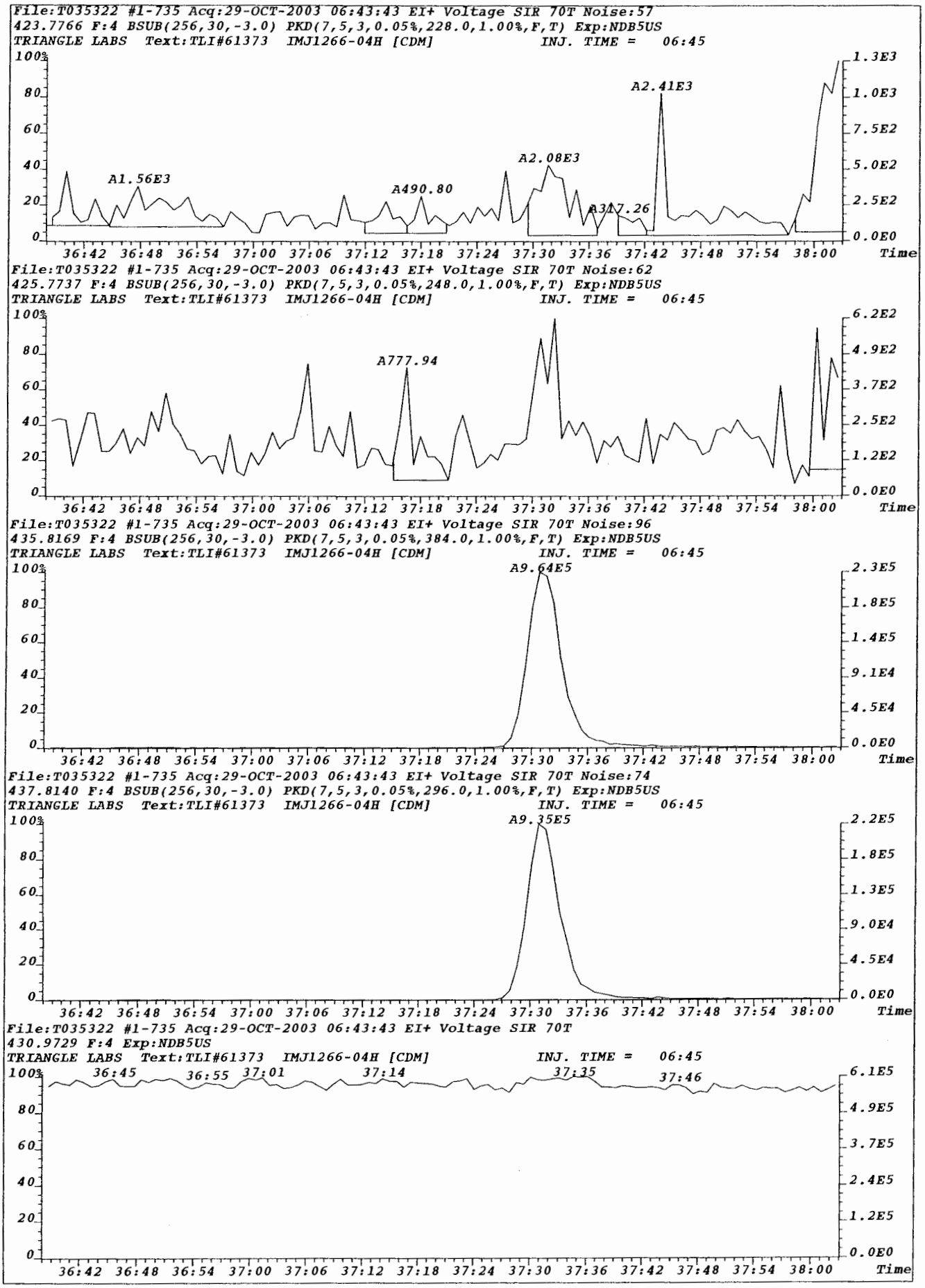
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,256.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.32E3
A2.57E3
A949.32
A975.02
A314.80
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:52
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,208.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A2.83E3
A1.40E3
A2.01E3
A1.72E3
A2.50E3
A1.05E3
A847.77
A966.59
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:67
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A8.68E5
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:59
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A6.03E5
File:T035322 #1-873 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
29:38 29:56 30:07 30:18 30:41 30:53 31:20 31:40 31:58
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00
Time

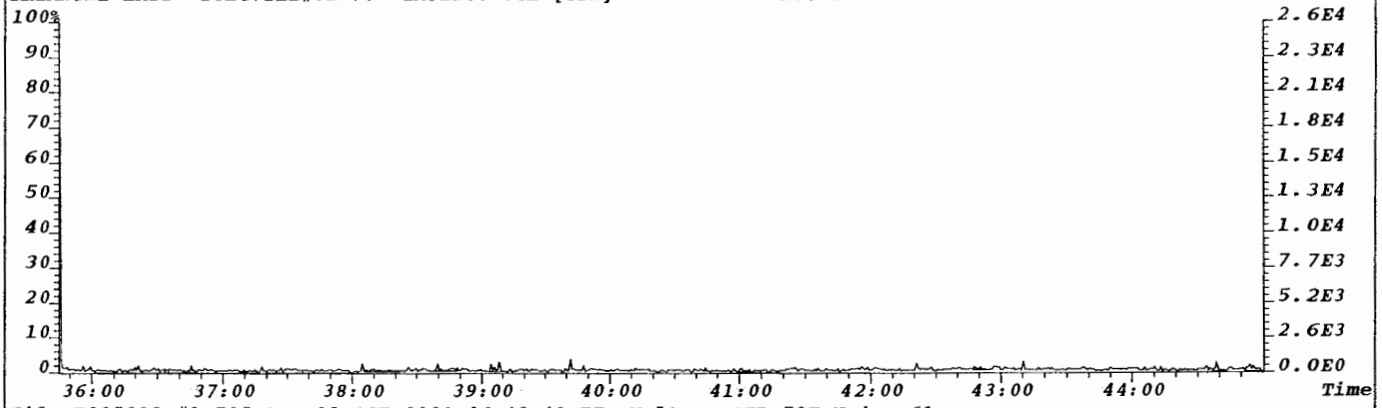

File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:62
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A2.09E3
A1.03E3
A396.00
A529.91
File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:55
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,220.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A2.02E3
A760.90
A670.60
A589.75
A701.35
A274.40
A271.73
File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:127
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,508.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A9.35E5
A1.01E6
A8.27E5
File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:57
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A2.18E6
A1.97E6
A1.63E6
File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
35:13
34:09
34:37
32:29
32:43
33:08
33:22
33:28
33:47
33:57
34:23
34:47
35:03
Time


File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:54
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A3.45E3
A3.11E3
A3.26E3
A2.55E3
A292.79
File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:62
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.93E3
A865.25
A457.13
A789.88
File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:66
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.54E6
A1.10E6
File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:66
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.29E6
A9.41E5
File:T035322 #1-406 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
Time

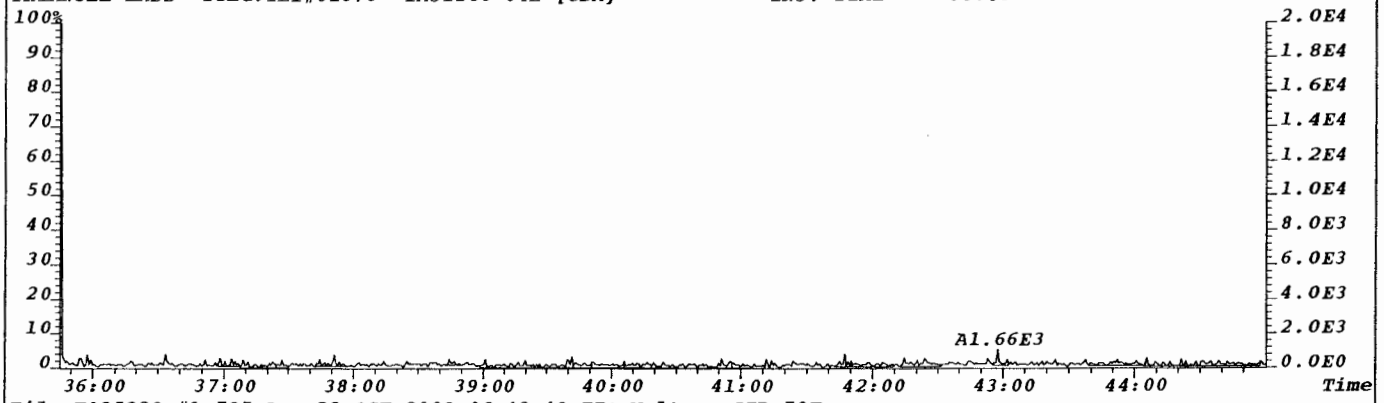

File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:50
407.7818 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,200.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A4.05E3
A1.72E3
A867.28
A448.78
A1.88E3
A1.07E3
A497.35
A176.79
A2.22E3
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:46
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,184.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A2.70E3
A680.32
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:105
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,420.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A5.81E5
A4.62E5
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:108
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,432.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.44E6
A1.12E6
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
Time


File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:57
423.7766 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.56E3
A490.80
A2.08E3
A317.26
A2.41E3
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:62
425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A777.94
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:96
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,384.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A9.64E5
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:74
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,296.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A9.35E5
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
36:45
36:55
37:01
37:14
37:35
37:46
36:42 36:48 36:54 37:00 37:06 37:12 37:18 37:24 37:30 37:36 37:42 37:48 37:54 38:00
Time

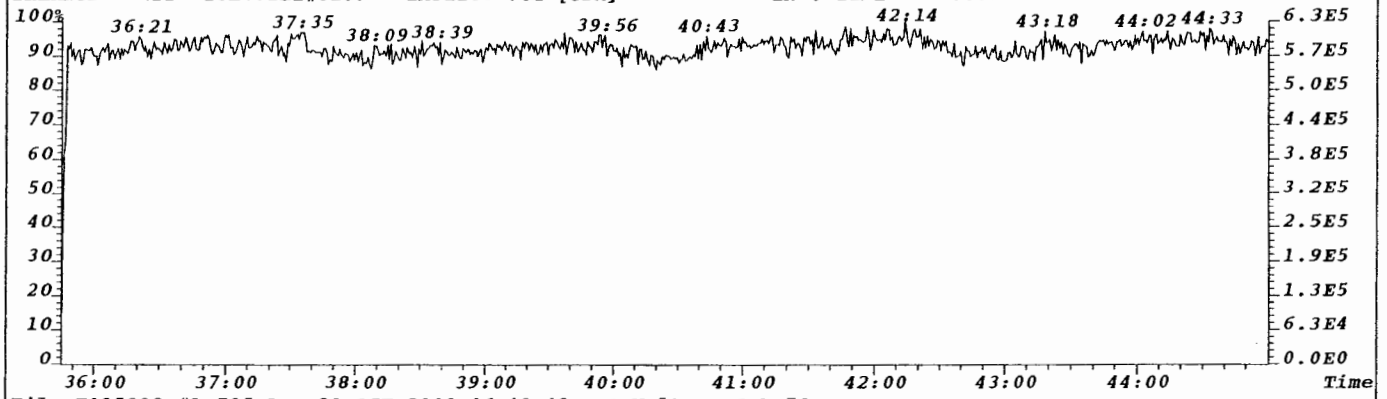
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:61
441.7428 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45



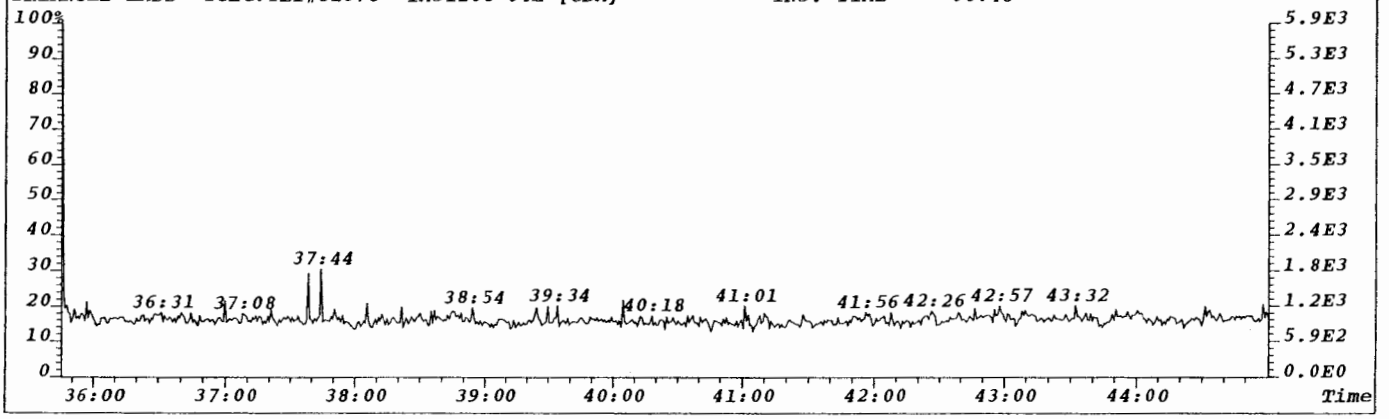
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:61
443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45

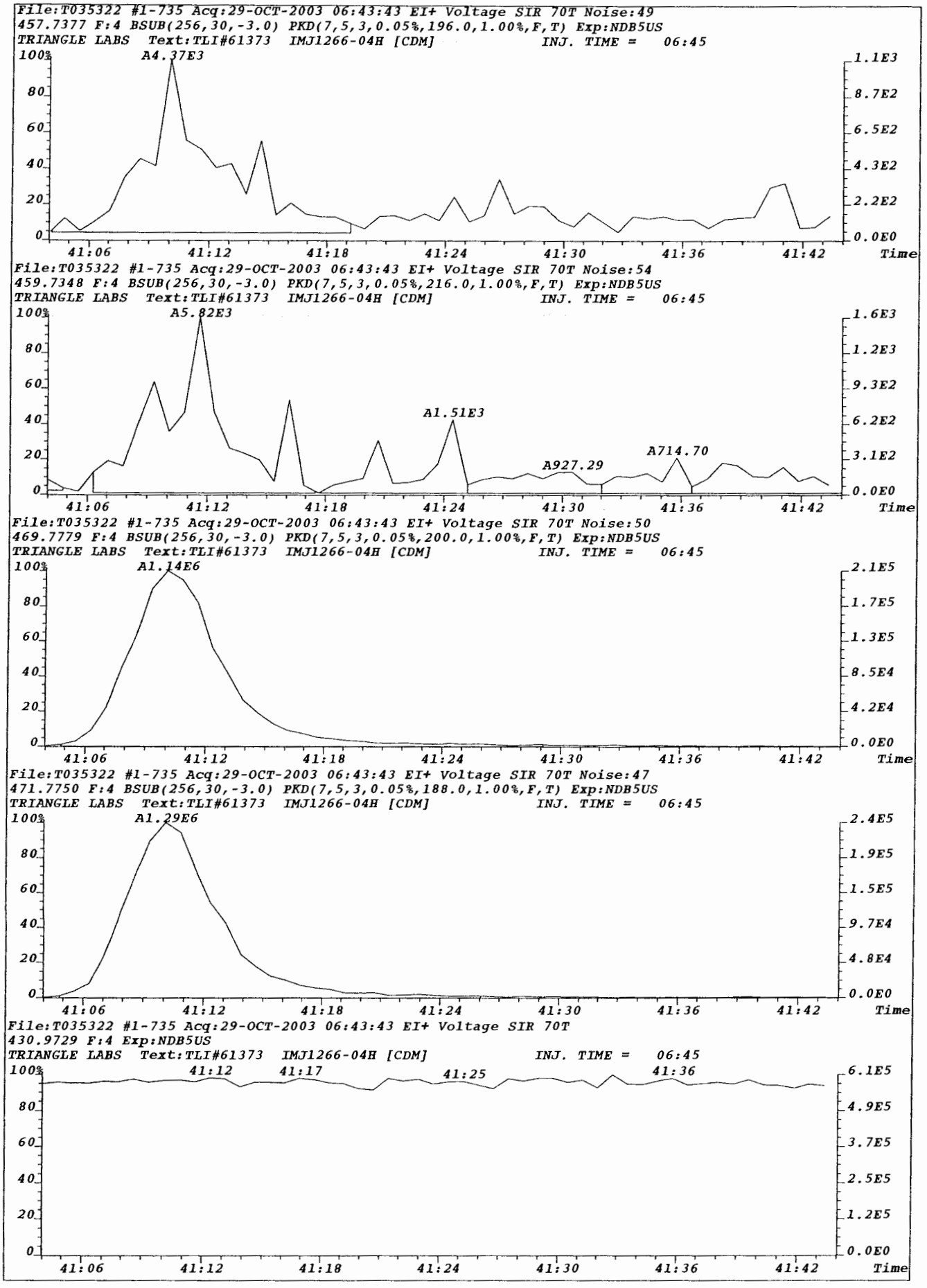


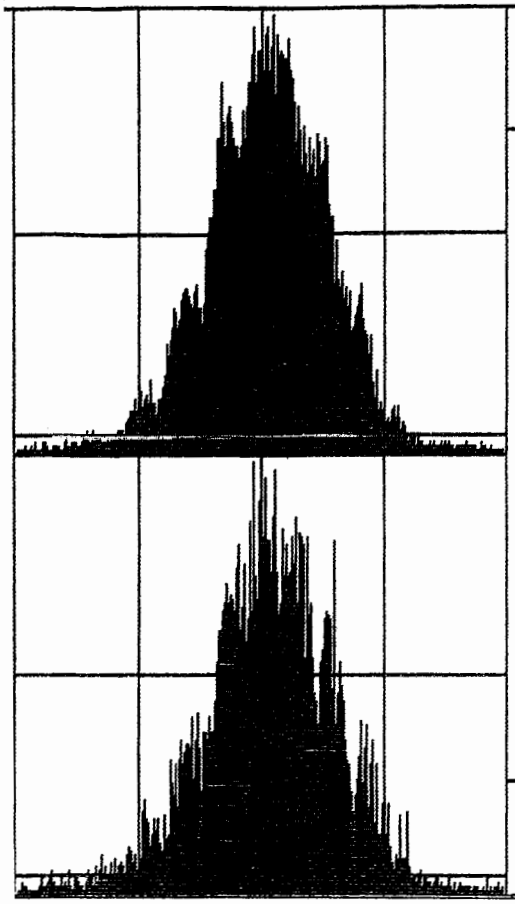
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45



File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45




File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:49
457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,196.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A4.37E3
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:54
459.7348 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A5.82E3
A1.51E3
A927.29
A714.70
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:50
469.7779 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,200.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.14E6
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T Noise:47
471.7750 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,188.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
A1.29E6
File:T035322 #1-735 Acq:29-OCT-2003 06:43:43 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45
41:12
41:17
41:25
41:36
100%
80
60
40
20
0
41:06
41:12
41:18
41:24
41:30
41:36
41:42
Time
1.1E3
8.7E2
6.5E2
4.3E2
2.2E2
0.0E0
1.6E3
1.2E3
9.3E2
6.2E2
3.1E2
2.1E5
1.7E5
1.3E5
8.5E4
4.2E4
2.4E5
1.9E5
1.5E5
9.7E4
4.8E4
6.1E5
4.9E5
3.7E5
2.5E5
1.2E5

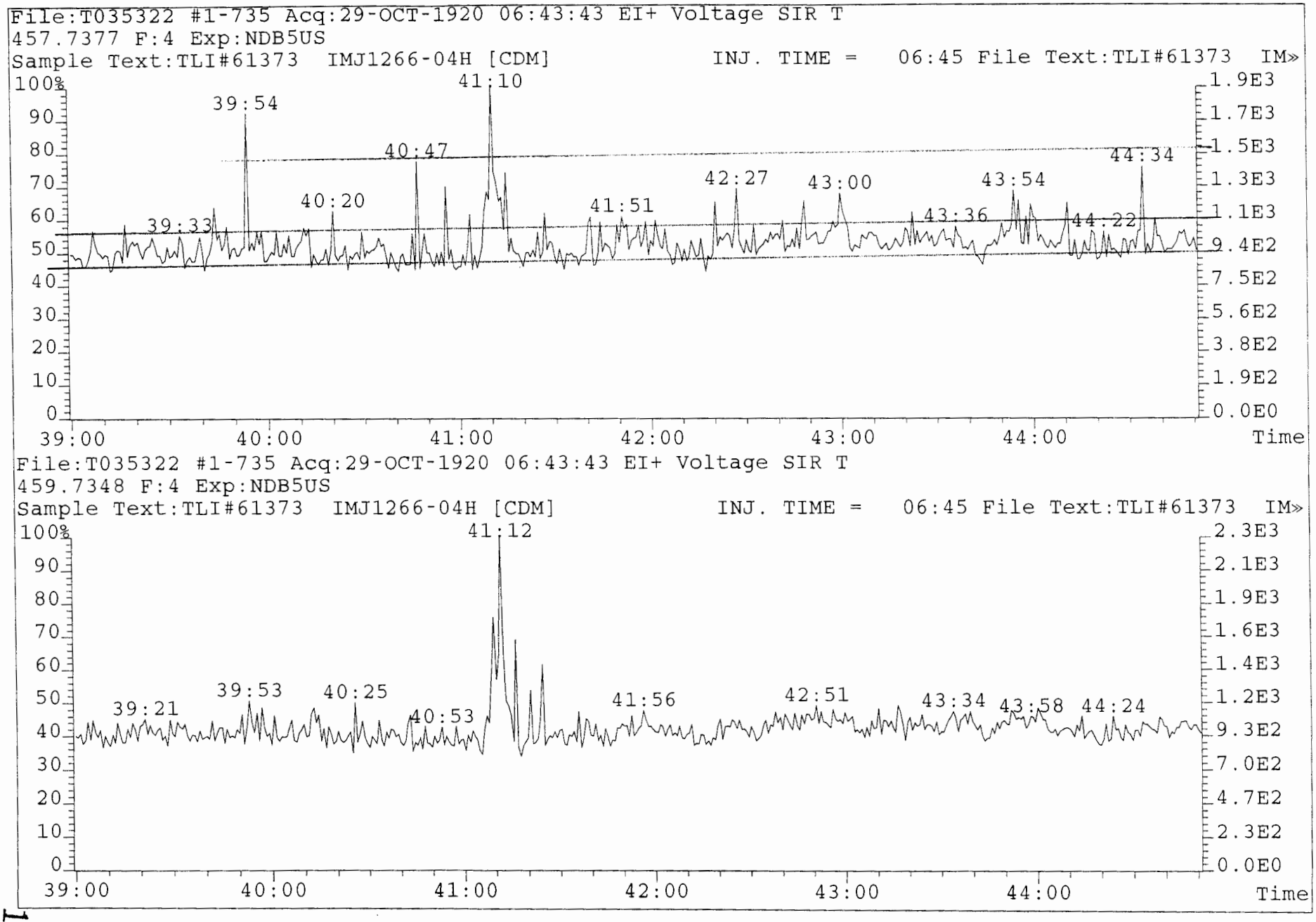


Channel	I 330.9732	Peak top	
Height	.36 volts	Span	200 ppm

System file name	NDB5US
Data file name	A:T029031
Resolution	10000
Group number	2
Ionization mode	EI+
Switching	VOLTAGE
Ref. masses	292.9825, 416.9760

A	293	J	331	S	368
B	304	K	332	T	370
C	306	L	334	U	376
D	316	M	340	V	410
E	318	N	342		
F	320	O	352		
G	322	P	354		
H	328	Q	356		
I	331	R	358		

Ref. mass	416.9760	Peak top	
Height	.06 volts	Span	200 ppm


File:T035322 #1-735 Acq:29-OCT-1920 06:43:43 EI+ Voltage SIR T
457.7377 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45 File Text:TLI#61373 IM»
39:54
41:10
40:47
39:33
40:20
41:51
42:27
43:00
43:54
44:34
43:36
44:22
Time
File:T035322 #1-735 Acq:29-OCT-1920 06:43:43 EI+ Voltage SIR T
459.7348 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-04H [CDM] INJ. TIME = 06:45 File Text:TLI#61373 IM»
41:12
39:21
39:53
40:25
40:53
41:56
42:51
43:34
43:58
44:24
Time

Del Mar Analytical

TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)

Client Sample: **IMJ1266-05H [CDM]** Analysis File: **T035323**

Client Project:	**2003 Prices, Sequoia Network**				
Sample Matrix:	**WATER**	Date Received:	**10/24/2003**	Spike File:	**SPMIT32S**
TLI ID:	**365-63-4A**	Date Extracted:	**10/26/2003**	ICal:	**TF53183**
		Date Analyzed:	**10/29/2003**	ConCal:	**T035313**
Sample Size:	**1.040 L**	Dilution Factor:	**n/a**	% Moisture:	**n/a**
Dry Weight:	**n/a**	Blank File:	**T035314**	% Lipid:	**n/a**
GC Column:	**DB-5**	Analyst:	**VSC**	% Solids:	**n/a**

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	ND	2.3				
1,2,3,7,8-PeCDD	ND	3.3				
1,2,3,4,7,8-HxCDD	ND	2.6				
1,2,3,6,7,8-HxCDD	ND	2.3				
1,2,3,7,8,9-HxCDD	ND	2.5				
1,2,3,4,6,7,8-HpCDD	ND	3.6				
1,2,3,4,6,7,8,9-OCDD	33.4			0.92	41:12	J
2,3,7,8-TCDF	ND	1.7				
1,2,3,7,8-PeCDF	ND	1.6				
2,3,4,7,8-PeCDF	ND	2.0				
1,2,3,4,7,8-HxCDF	ND	1.5				
1,2,3,6,7,8-HxCDF	ND	1.4				
2,3,4,6,7,8-HxCDF	ND	1.5				
1,2,3,7,8,9-HxCDF	ND	1.8				
1,2,3,4,6,7,8-HpCDF	ND	2.2				
1,2,3,4,7,8,9-HpCDF	ND	2.6				
1,2,3,4,6,7,8,9-OCDF	ND	5.7				

Totals	Conc. (pg/L)	Number	DL	EMPC	Flags
Total TCDD	ND		2.3		
Total PeCDD	ND		3.3		
Total HxCDD	ND		2.5		
Total HpCDD	ND		3.6		
Total TCDF	ND		1.7		
Total PeCDF	ND		1.8		
Total HxCDF	ND		1.5		
Total HpCDF	ND		2.4		

MIT3_PSR v1.00, LARS 6.25.05

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Phone: (919) 544-5729 • Fax: (919) 544-5491

Printed: 11:36 10/29/2003

TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **IMJ1266-05H [CDM]** Analysis File: **T035323**

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,7,8-TCDF	1300	67.4	40%-135%	0.75	26:12	
$^{13}C_{12}$-2,3,7,8-TCDD	1280	66.5	40%-135%	0.83	26:54	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1260	65.3	40%-135%	1.58	30:06	
$^{13}C_{12}$-1,2,3,7,8-PeCDD	1130	58.8	40%-135%	1.51	31:07	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1440	74.8	40%-135%	0.50	33:36	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1240	64.3	40%-135%	1.21	34:16	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1280	66.4	40%-135%	0.41	36:30	
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1330	69.3	40%-135%	1.05	37:32	
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	1880	49.0	40%-135%	0.87	41:11	

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1410	73.1	40%-135%	1.64	30:48	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1370	71.3	40%-135%	0.50	33:30	
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1270	66.0	40%-135%	1.21	34:11	
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1270	66.2	40%-135%	0.41	38:03	

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	121	63.1	40%-135%	26:55	

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1220	63.4	40%-135%	0.51	34:52	
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1280	66.5	40%-135%	0.50	34:05	

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.83	26:42	
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.19	34:35	

Data Reviewer: _____ 10/29/2003

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 11:36 10/29/2003

Initial ....Date...

Data Review By: AT 11/29/03

Calculated Noise Height: 0.03

The Total Area for each peak with an ion abundance ratio outside ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035323B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF						0.65-0.89			0.875-1.073				
304-306	DC	NL				Height	0.12	0.07	0.05				
	DC	SN	25:23	RO	0.95		0.44			0.969			
304-306		0	Peaks				0.00						
13C12-TCDF						0.65-0.89			0.962-1.038				
316-318	DC	NL				Height	0.11	0.05	0.06				
	DC	WL	23:07		0.84		0.35			0.882			
	DC	WL	24:15		0.89		1.83			0.926			
			25:51	RO	0.55		0.90	0.39	0.71	0.987			
			26:12		0.75		348.32	149.22	199.10	1.000	13C12-2378-TCDF	IS0	
						Height	73.56	31.81	41.75				
	DC	WH	27:14	RO	3.77		0.39			1.039			
	DC	WH	27:53	RO	0.32		0.25			1.064			
316-318		2	Peaks				349.22						
---------- Above: TCDF / TCDD Follows ----------													
TCDD						0.65-0.89			0.900-1.043				
320-322	DC	NL				Height	0.10	0.05	0.05				
D	D	SN	26:11	RO	1.45		0.19			0.973			
	DC	SN	26:25	RO	1.00		0.14			0.982			
	DC	SN	27:11	RO	1.29		0.12			1.011			
320-322		0	Peaks				0.00						
37Cl-TCDD									0.926-1.074				
328	DC	NL				Height	0.06	0.06					
			25:31				1.99	1.99		0.949			
	DC	SN	26:05				0.07			0.970			
			26:55				26.33	26.33		1.001	37Cl-TCDD	CLS	
			27:17				0.65	0.65		1.014			
			27:29				0.12	0.12		1.022			
			27:34				0.14	0.14		1.025			
			27:40				0.26	0.26		1.029			
			27:49				0.10	0.10		1.034			
	DC	SN	27:53				0.05			1.037			
			28:11				0.38	0.38		1.048			
			28:21				0.21	0.21		1.054			
328		9	Peaks				30.18						
13C12-TCDD						0.65-0.89			0.926-1.074				
332-334	DC	NL				Height	0.15	0.09	0.06				
			26:42		0.83		382.22	173.40	208.82	0.993	13C12-1234-TCDD	RS1	
			26:54		0.83		238.23	107.70	130.53	1.000	13C12-2378-TCDD	IS1	
						Height	50.94	22.44	28.50				

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
				27:24		0.85	1.76	0.81	0.95	1.019			
				27:33		0.84	1.18	0.54	0.64	1.024			
				27:44	RO	0.24	0.25	0.11	0.45	1.031			
				27:53	RO	2.24	0.37	0.47	0.21	1.037			
				27:59	RO	0.91	0.67	0.29	0.32	1.040			
				28:07	RO	1.44	0.28	0.23	0.16	1.045			
332-334			8 Peaks				624.96						
---------- Above: TCDD / PeCDF Follows ----------													
PeCDF						1.32-1.78				0.929-1.061			
340-342		DC	NL			Height	0.10	0.04	0.06				
		DC	SN	28:24	RO	1.17	0.23			0.944			
		DC	SN	29:39	RO	0.80	0.07			0.985			
D		D	SN	29:43		1.33	0.28			0.987			
		DC	SN	30:13	RO	0.15	0.08			1.004			
		DC	SN	30:56	RO	1.00	0.23			1.028			
		DC	SN	31:50	RO	0.40	0.10			1.058			
340-342			0 Peaks				0.00						
13C12-PeCDF						1.32-1.78				0.867-1.133			
352-354		DC	NL			Height	0.10	0.05	0.05				
				29:18	RO	1.00	0.82	0.32	0.32	0.973			
				30:06		1.58	272.39	166.89	105.50	1.000	13C12-PeCDF 123	IS2	
						Height	69.25	42.52	26.73				
				30:23	RO	4.68	1.94	3.56	0.76	1.009			
				30:37	RO	2.64	1.07	1.11	0.42	1.017			
				30:48		1.64	279.52	173.49	106.03	1.023	13C12-PeCDF 234	SUR1	
				31:11	RO	0.56	1.23	0.75	1.34	1.036			
				31:18	RO	5.58	0.31	0.67	0.12	1.040			
				31:29	RO	0.82	0.51	0.31	0.38	1.046			
				31:39	RO	0.93	0.64	0.39	0.42	1.051			
				31:49	RO	1.16	3.24	1.47	1.27	1.057			
352-354			10 Peaks				561.67						
---------- Above: PeCDF / PeCDD Follows ----------													
PeCDD						1.32-1.78				0.938-1.021			
356-358		DC	NL			Height	0.10	0.05	0.05				
D		D	SN	31:10	RO	1.21	0.28			1.002			
		DC	SN	31:46	RO	0.37	0.12			1.021			
356-358			0 Peaks				0.00						
13C12-PeCDD						1.32-1.78				0.871-1.129			
368-370		DC	NL			Height	0.09	0.05	0.04				
		DC	SN	30:05	RO	0.46	0.10			0.967			
				30:14	RO	1.09	0.82	0.35	0.32	0.972			
				31:07		1.51	142.96	86.00	56.96	1.000	13C12-PeCDD 123	IS3	
						Height	36.89	22.19	14.70				
				31:40	RO	1.09	1.17	0.50	0.46	1.018			
368-370			3 Peaks				144.95						

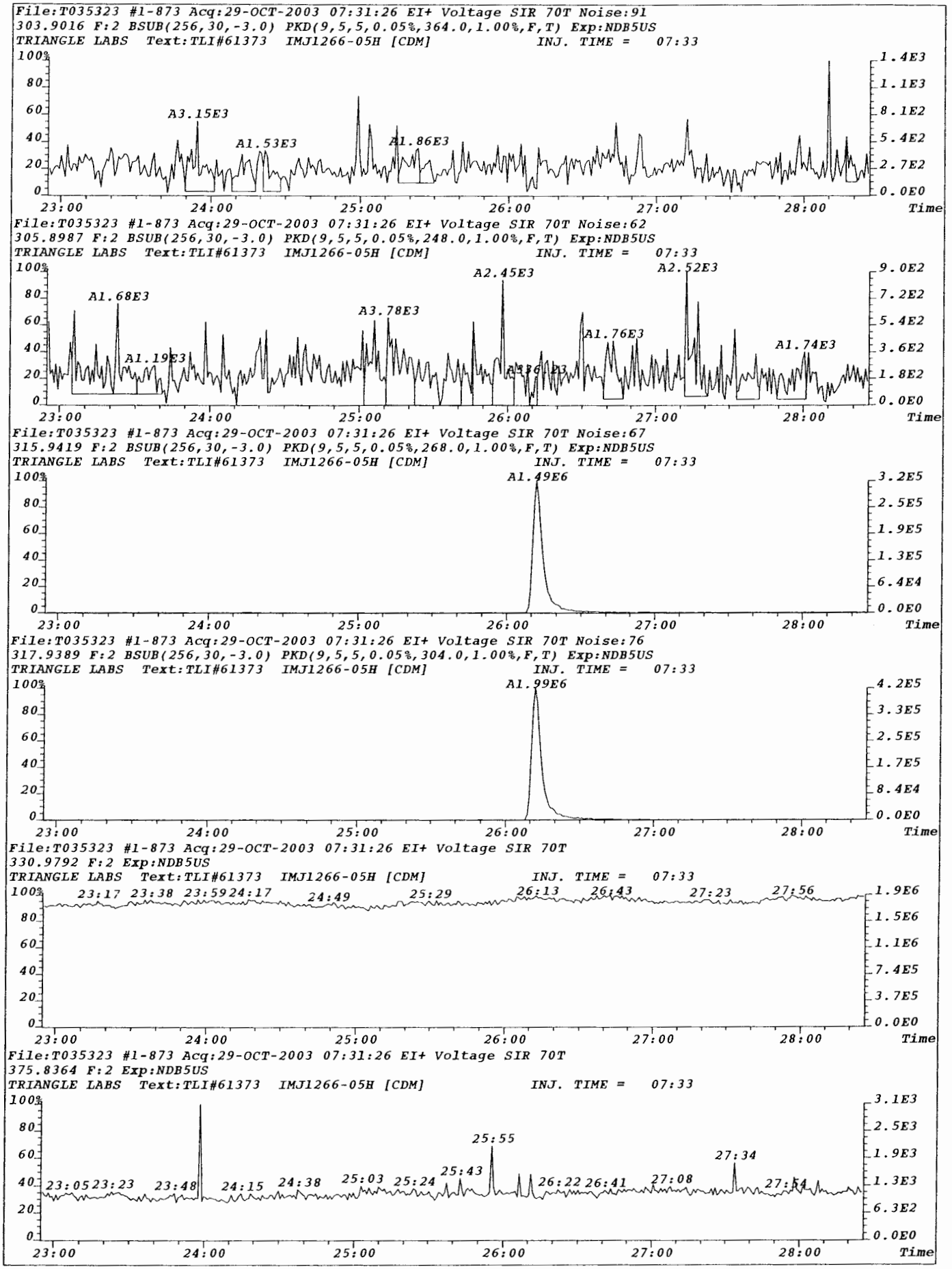
Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
---------- Above: PeCDD / HxCDF Follows ----------													
HxCDF						1.05-1.43				0.964-1.045			
374-376		DC	NL			Height	0.09	0.05	0.04				
		DC	SN	32:45	RO	1.91	0.25			0.975			
		DC	SN	33:10	RO	2.25	0.09			0.987			
		DC	SN	33:15	RO	1.50	0.09			0.990			
		DC	SN	33:20	RO	1.75	0.09			0.992			
		DC	SN	33:24	RO	1.00	0.09			0.994			
	D	D	SN	33:30		1.33	0.35			0.997	123478-HxCDF	AN	
	D	D	SN	33:38	RO	0.33	0.11			1.001	123678-HxCDF	AN	
		DC	SN	33:41	RO	2.80	0.11			1.002			
		DC	SN	33:51	RO	0.25	0.02			1.007			
		DC	SN	33:58	RO	1.00	0.07			1.011			
374-376				0 Peaks			0.00						
13C12-HxCDF						0.43-0.59				0.881-1.119			
384-386		DC	NL			Height	0.12	0.07	0.05				
				33:30		0.50	256.91	86.20	170.71	0.997	13C12-HxCDF 478	SUR2	
				33:36		0.50	292.36	96.95	195.41	1.000	13C12-HxCDF 678	IS4	
						Height	83.25	28.44	54.81				
				34:05		0.50	257.84	85.96	171.88	1.014	13C12-HxCDF 234	ALT2	
				34:25	RO	0.38	0.83	0.28	0.74	1.024			
				34:29		0.48	0.68	0.22	0.46	1.026			
				34:37	RO	0.89	0.92	0.31	0.35	1.030			
				34:52		0.51	212.57	72.02	140.55	1.038	13C12-HxCDF 789	ALT1	
				35:22	RO	0.97	0.83	0.28	0.29	1.053			
384-386				8 Peaks			1,022.94						
---------- Above: HxCDF / HxCDD Follows ----------													
HxCDD						1.05-1.43				0.960-1.014			
390-392		DC	NL			Height	0.09	0.04	0.05				
		DC	SN	33:48	RO	0.60	0.05			0.986			
	D	D	SN	34:10	RO	3.00	0.07			0.997	123478-HxCDD	AN	
	D	D	SN	34:15	RO	2.00	0.04			1.000	123678-HxCDD	AN	
		DC	WH	34:55	RO	14.50	0.04			1.019			
		DC	WH	35:00	RO	0.38	0.09			1.021			
390-392				0 Peaks			0.00						
13C12-HxCDD						1.05-1.43				0.971-1.029			
402-404		DC	NL			Height	0.10	0.05	0.05				
				33:28	RO	3.00	0.09	0.12	0.04	0.977			
				33:41		1.25	2.00	1.11	0.89	0.983			
				34:11		1.21	187.60	102.59	85.01	0.998	13C12-HxCDD 478	SUR3	
				34:16		1.21	199.21	109.15	90.06	1.000	13C12-HxCDD 678	IS5	
						Height	57.38	31.78	25.60				
				34:35		1.19	303.26	164.59	138.67	1.009	13C12-HxCDD 789	RS2	
				34:57	RO	0.74	0.51	0.28	0.38	1.020			
				35:01	RO	0.30	0.18	0.10	0.33	1.022			
402-404				7 Peaks			692.85						

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
---------- Above: HxCDD / HpCDF Follows ----------													
HpCDF						0.88-1.20				0.996-1.047			
408-410	DC	NL				Height	0.08	0.04	0.04				
	DC	SN		36:29		1.14	0.30			1.000	1234678-HpCDF	AN	
	DC	SN		36:57	RO	0.38	0.18			1.012			
	DC	SN		37:33	RO	0.64	0.18			1.029			
	DC	SN		37:46	RO	2.00	0.08			1.035			
408-410				0 Peaks			0.00						
13C12-HpCDF						0.37-0.51				0.945-1.110			
418-420	DC	NL				Height	0.12	0.06	0.06				
				36:30		0.41	175.07	51.19	123.88	1.000	13C12-HpCDF 678	IS6	
						Height	45.14	13.08	32.06				
				36:45	RO	0.61	1.24	0.38	0.62	1.007			
	DC	SN		37:44		0.50	0.15			1.034			
				38:03		0.41	144.23	41.97	102.26	1.042	13C12-HpCDF 789	SUR4	
418-420				3 Peaks			320.54						
---------- Above: HpCDF / HpCDD Follows ----------													
HpCDD						0.88-1.20				0.976-1.005			
424-426	DC	NL				Height	0.08	0.04	0.04				
D	D	SN		36:50		0.95	0.39			0.981			
	DC	SN		36:55		1.00	0.12			0.984			
	DC	SN		37:08	RO	0.86	0.12			0.989			
D	D	SN		37:32	RO	0.62	0.47			1.000	1234678-HpCDD	AN	
	DC	WH		37:44	RO	1.33	0.12			1.005			
	DC	WH		38:04	RO	1.22	0.73			1.014			
424-426				0 Peaks			0.00						
13C12-HpCDD						0.88-1.20				0.973-1.027			
436-438	DC	NL				Height	0.13	0.07	0.06				
				36:49	RO	0.61	0.22	0.11	0.18	0.981			
				37:32		1.05	159.87	81.87	78.00	1.000	13C12-HpCDD 678	IS7	
						Height	40.87	20.90	19.97				
				37:50		0.98	0.81	0.40	0.41	1.008			
436-438				3 Peaks			160.90						
---------- Above: HpCDD / Octa-CDD and CDF Follows ----------													
OCDF						0.76-1.02				0.903-1.097			
442-444	DC	NL				Height	0.09	0.05	0.04				
	DC	SN		38:11	RO	0.11	0.04			0.927			
	DC	SN		38:28	RO	1.20	0.09			0.934			
	DC	SN		38:31	RO	1.54	0.25			0.935			
	DC	SN		39:08	RO	0.43	0.34			0.950			
	DC	SN		39:29	RO	0.24	0.17			0.959			
				39:59	RO	1.75	0.53	0.49	0.28	0.971			
442-444				1 Peak			0.53						

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
OCDD						0.76-1.02				0.903-1.097			
458-460		DC	NL			Height	0.08	0.04	0.04				
				41:12		0.92	1.79	0.86	0.93	1.000	OCDD	AN	J
458-460			1 Peak				1.79						
13C12-OCDD						0.76-1.02				0.997-1.005			
470-472		DC	NL			Height	0.07	0.04	0.03				
				41:11		0.87	205.47	95.39	110.08	1.000	13C12-OCDD	IS8	
						Height	38.70	17.74	20.96				
		DC	WH	41:31		0.83	1.92			1.008			
470-472			1 Peak				205.47						

Column Description.....	"Why" Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.1 -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

*** End of Report ***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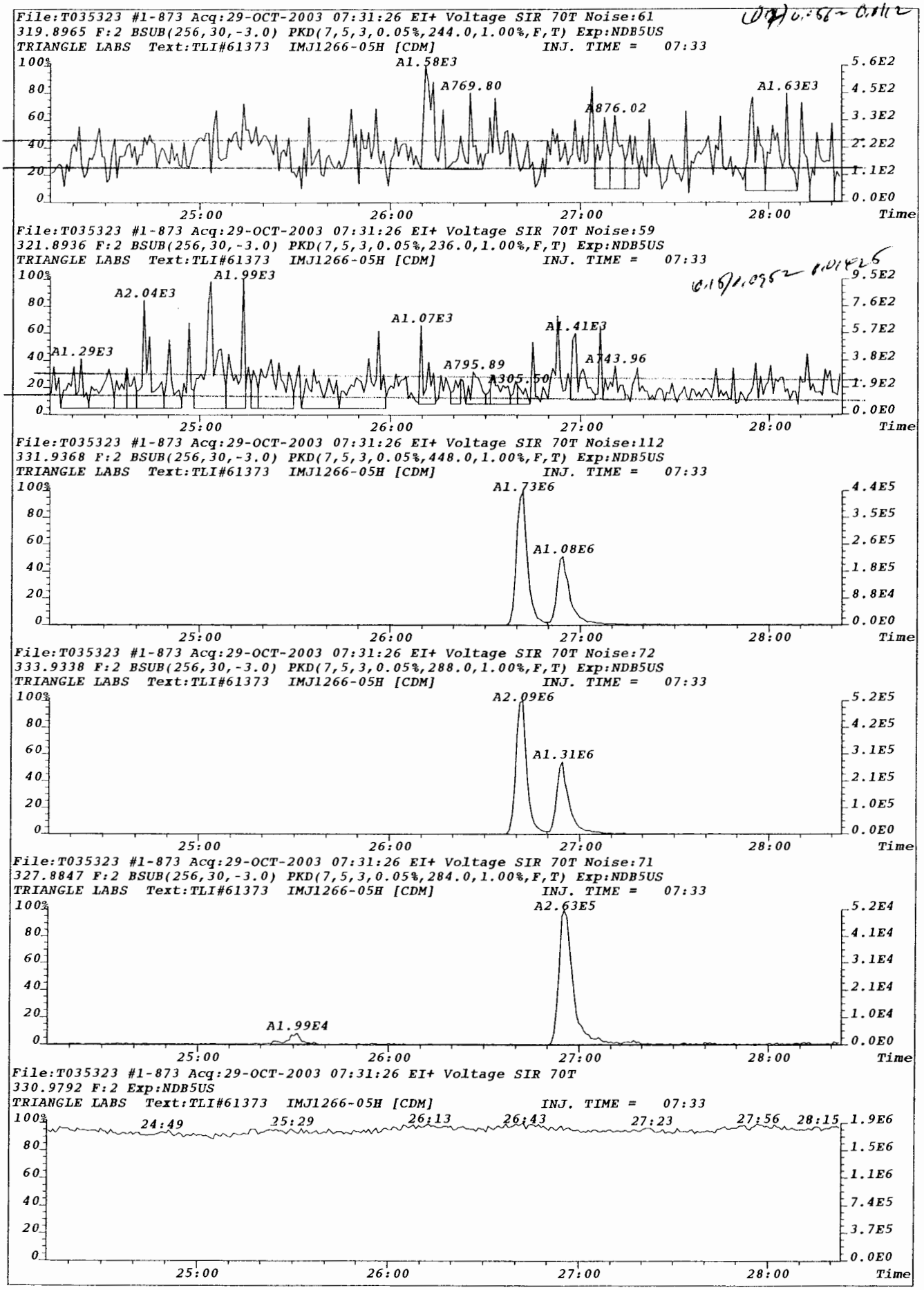
303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,364.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A3.15E3
A1.53E3
A1.86E3
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:62
305.8987 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.68E3
A1.19E3
A3.78E3
A2.45E3
A1.76E3
A2.52E3
A1.74E3
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:67
315.9419 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.49E6
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:76
317.9389 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,304.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.99E6
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
375.8364 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
25:55
27:34
Time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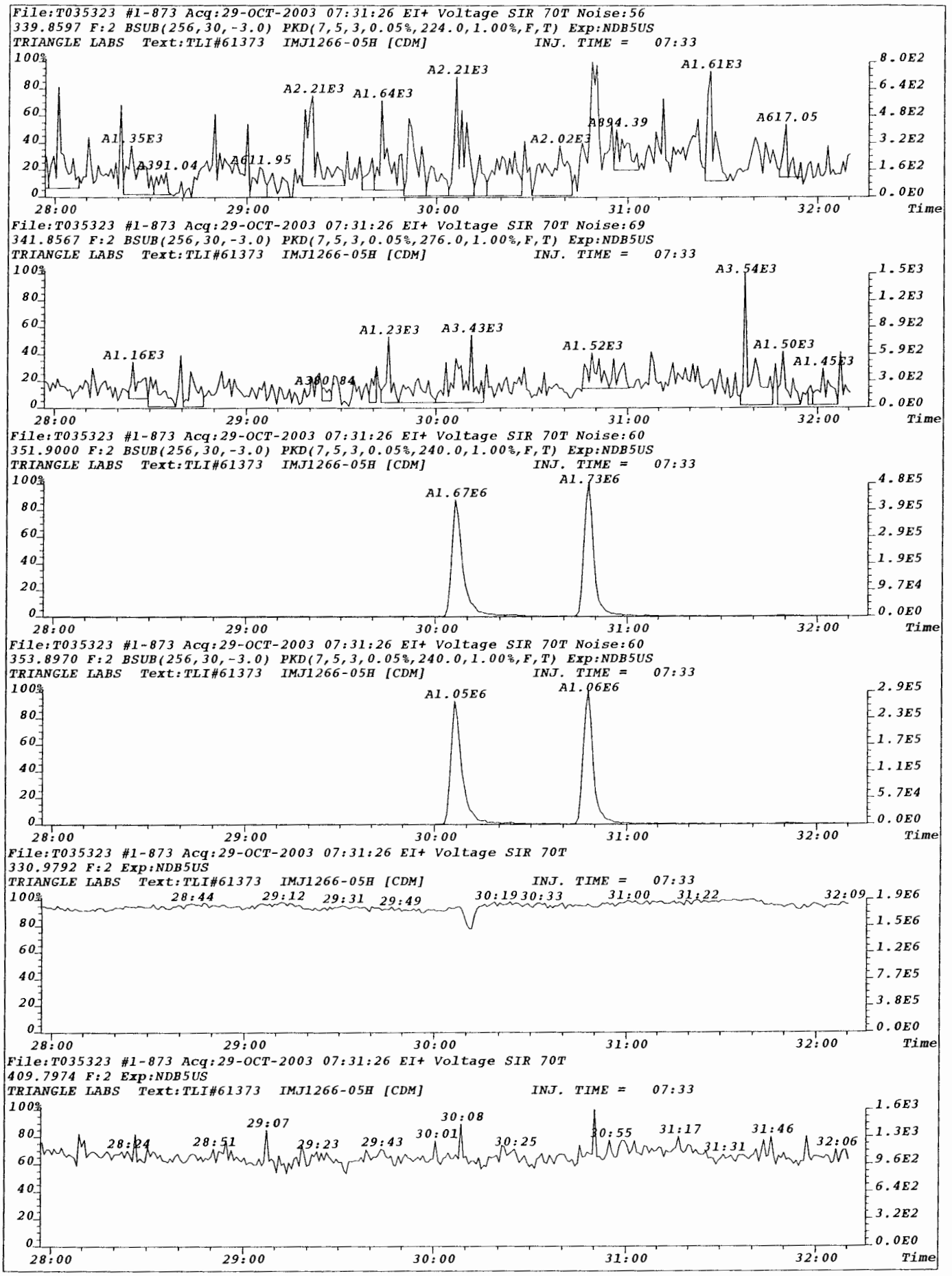
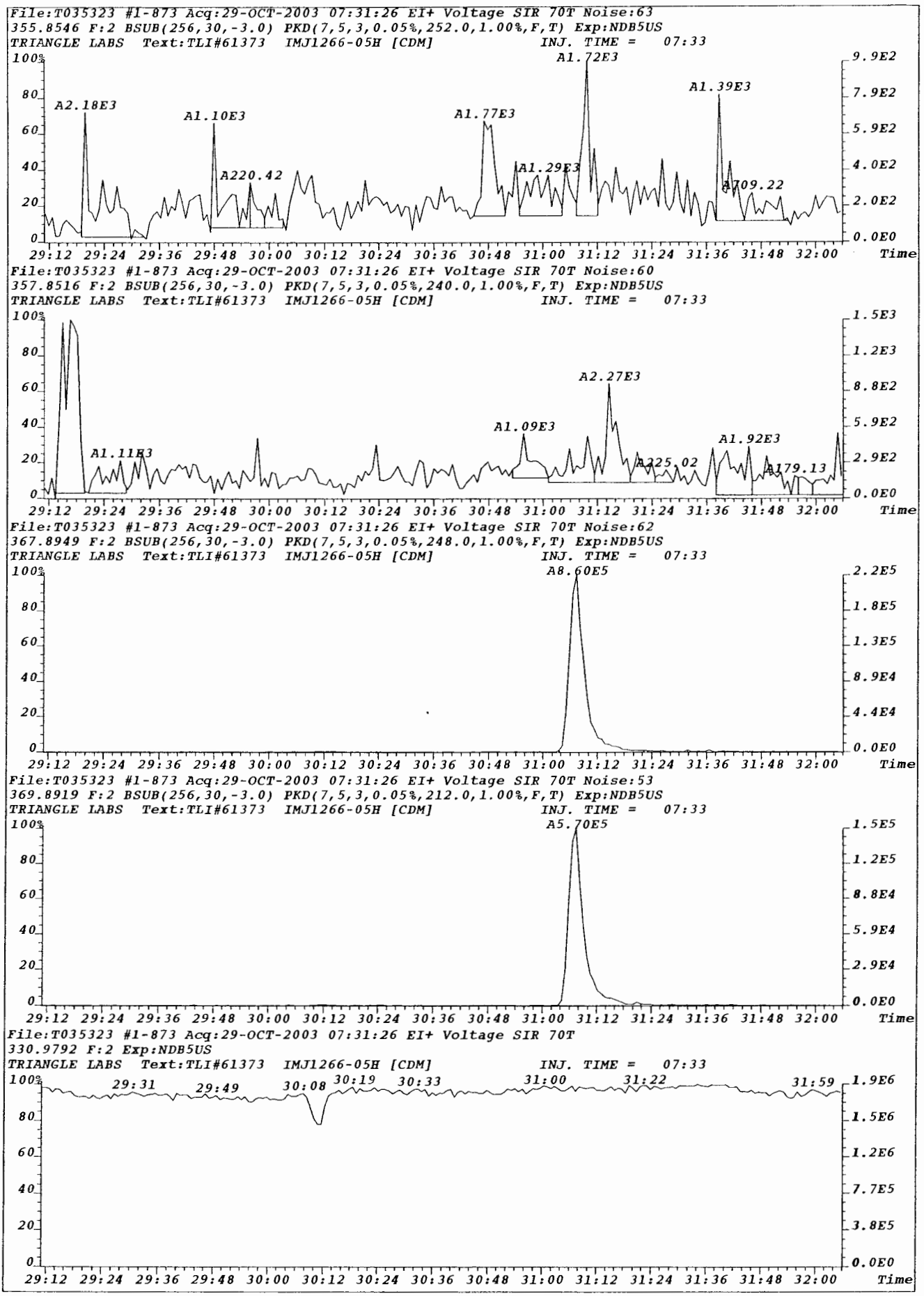
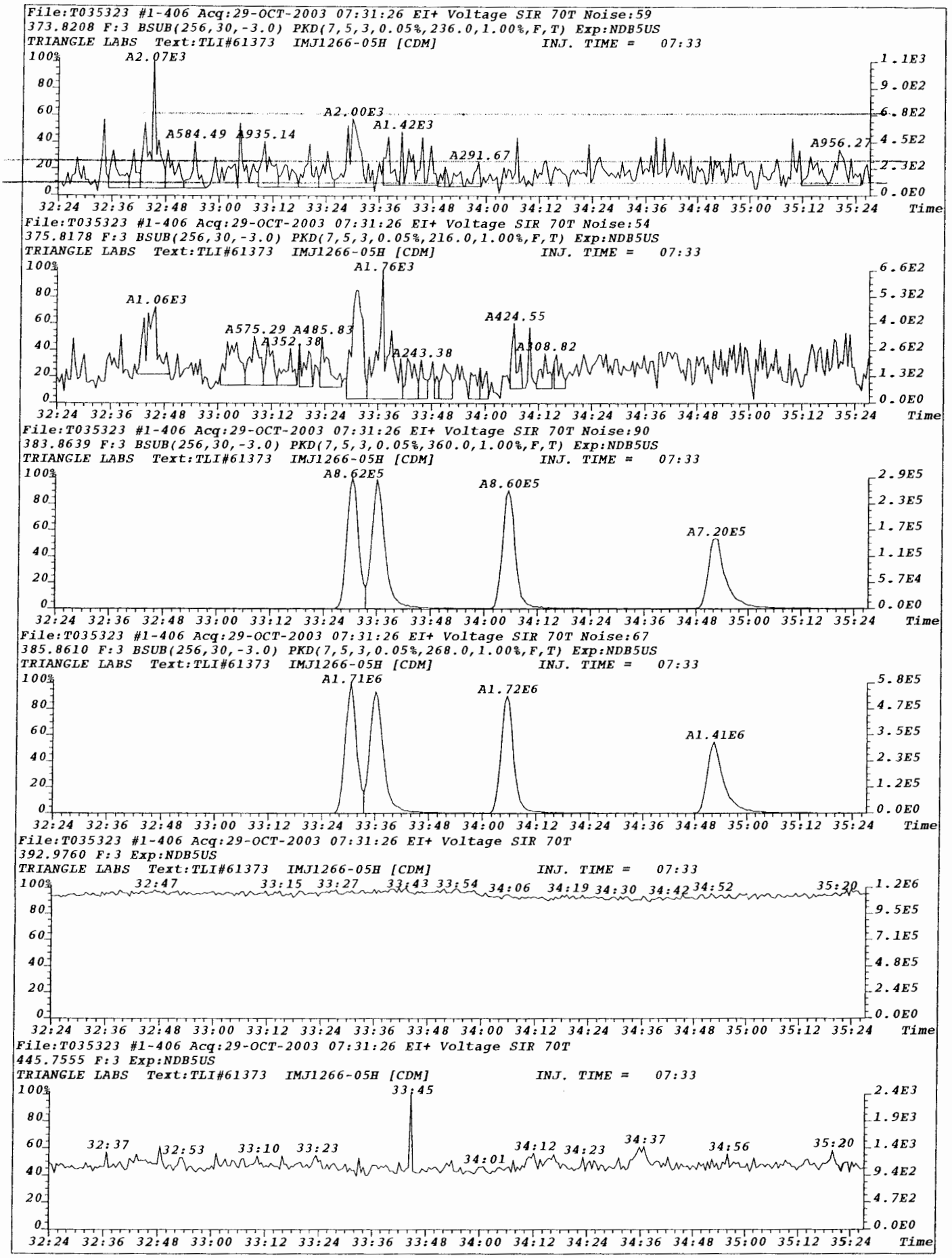
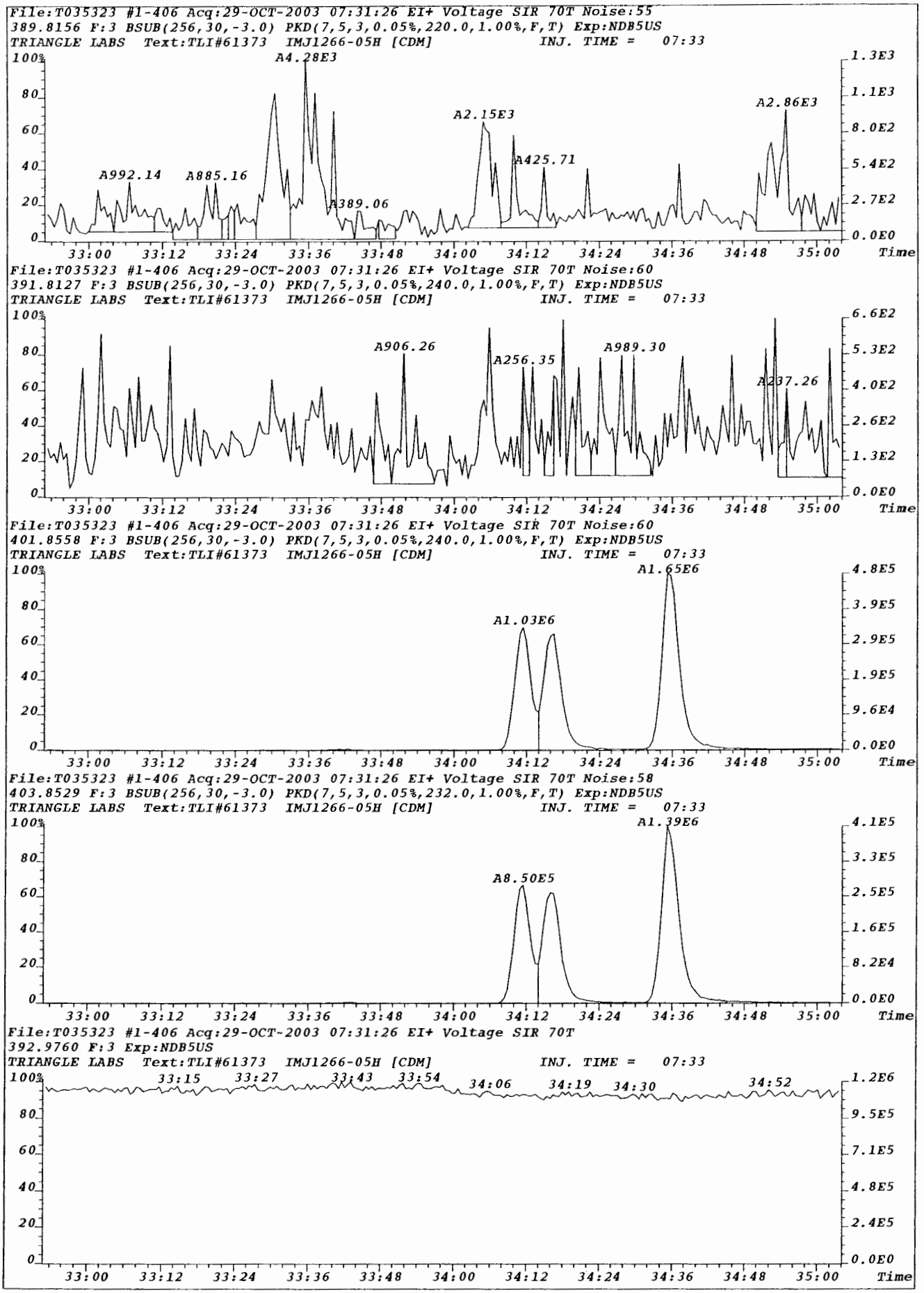
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.58E3
A769.80
A876.02
A1.63E3
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:59
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.29E3
A2.04E3
A1.99E3
A1.07E3
A795.89
A1.41E3
A743.96
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:112
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,448.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.73E6
A1.08E6
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:72
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A2.09E6
A1.31E6
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:71
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A2.63E5
A1.99E4
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
24:49
25:29
26:13
26:43
27:23
27:56
28:15
25:00
26:00
27:00
28:00
Time

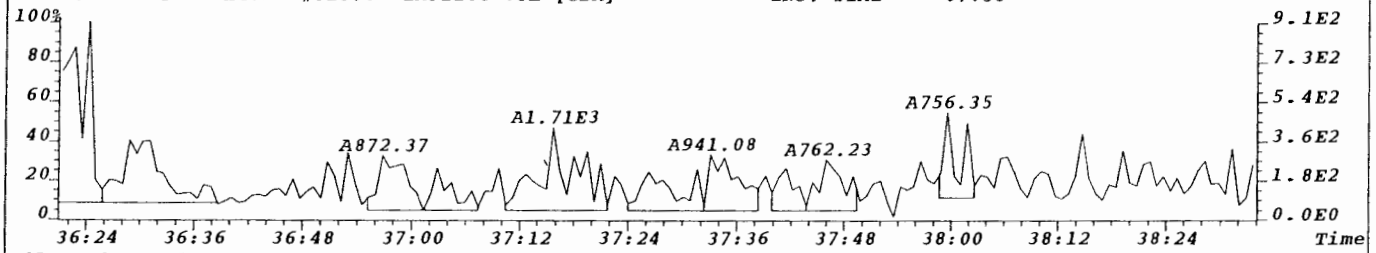

File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:56
339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,224.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.35E3
A391.04
A611.95
A2.21E3
A1.64E3
A2.21E3
A2.02E3
A894.39
A1.61E3
A617.05
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:69
341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.16E3
A1.23E3
A3.43E3
A1.52E3
A3.54E3
A1.50E3
A1.45E3
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:60
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.67E6
A1.73E6
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:60
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.05E6
A1.06E6
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
28:44
29:12
29:31
29:49
30:19
30:33
31:00
31:22
32:09
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
28:24
28:51
29:07
29:23
29:43
30:01
30:08
30:25
30:55
31:17
31:31
31:46
32:06
Time


File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:63
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A2.18E3
A1.10E3
A220.42
A1.77E3
A1.72E3
A1.29E3
A1.39E3
A709.22
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:60
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.11E3
A1.09E3
A2.27E3
A225.02
A1.92E3
A179.13
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:62
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A8.60E5
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:53
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,212.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A5.70E5
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time
File:T035323 #1-873 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
29:31 29:49 30:08 30:19 30:33 31:00 31:22 31:59
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time


File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:59
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A2.07E3
A2.00E3
A1.42E3
A584.49
A935.14
A291.67
A956.27
File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:54
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.76E3
A1.06E3
A575.29
A485.83
A352.38
A243.38
A424.55
A308.82
File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:90
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,360.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A8.62E5
A8.60E5
A7.20E5
File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:67
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.71E6
A1.72E6
A1.41E6
File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
Time


File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:55
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,220.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A4.28E3
A2.15E3
A2.86E3
A425.71
A992.14
A885.16
A389.06
File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:60
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A906.26
A256.35
A989.30
A237.26
File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:60
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.65E6
A1.03E6
File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:58
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,232.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.39E6
A8.50E5
File:T035323 #1-406 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
33:15
33:27
33:43
33:54
34:06
34:19
34:30
34:52
Time

File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:52
407.7818 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,208.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33



File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:50
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,200.0,1.00%,F,T) Exp:NDB5US
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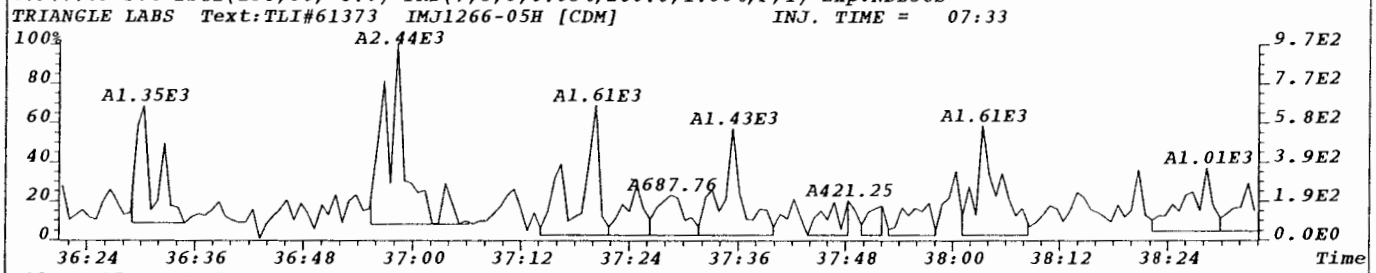
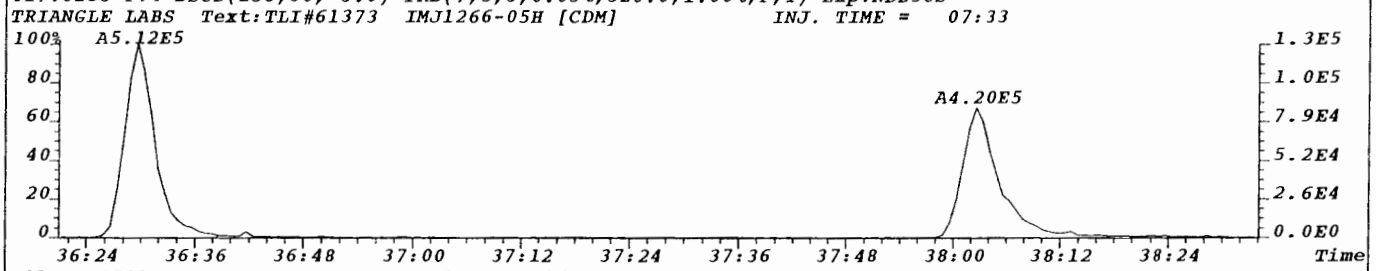
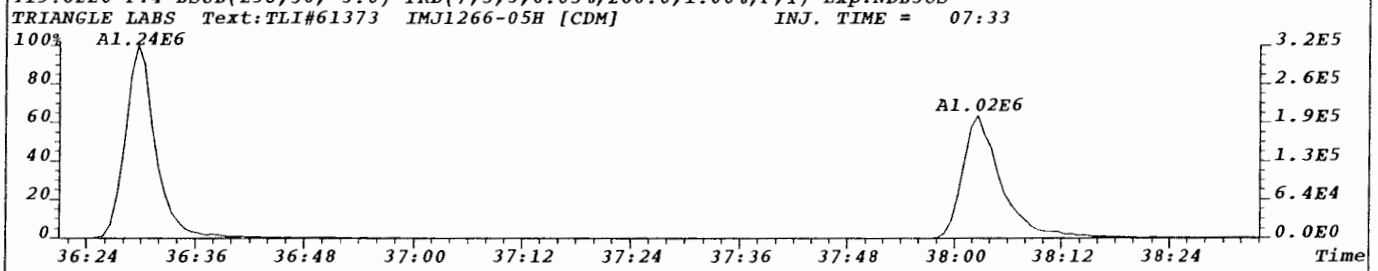


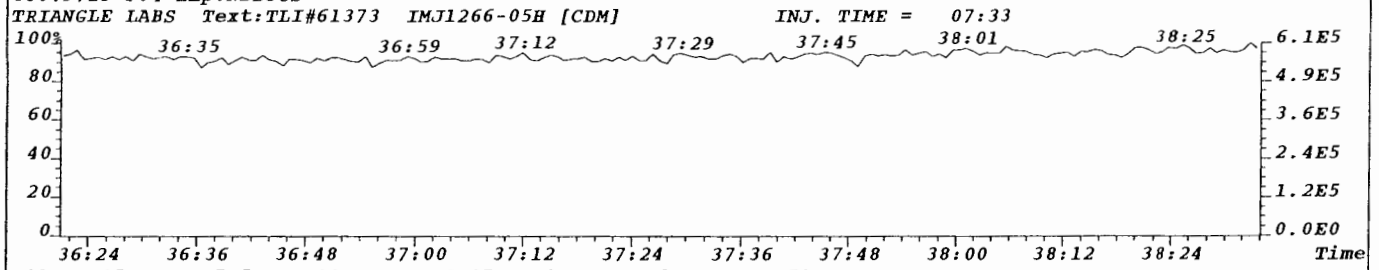
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:80
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,320.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33



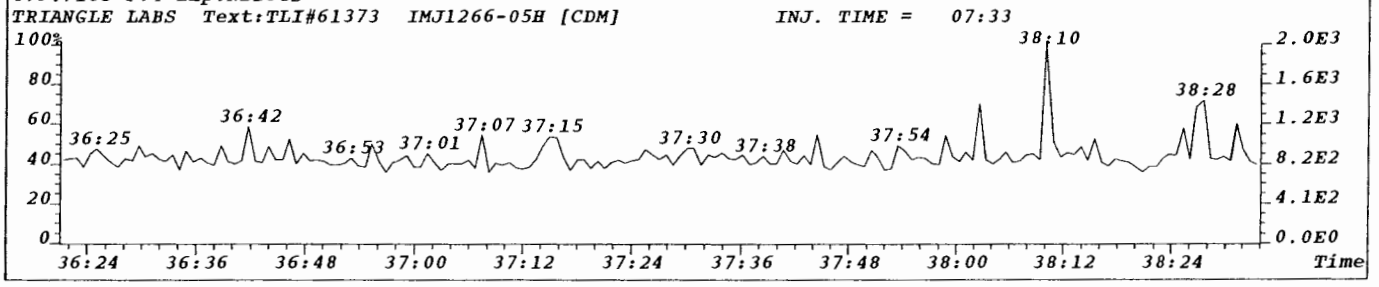
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:70
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33

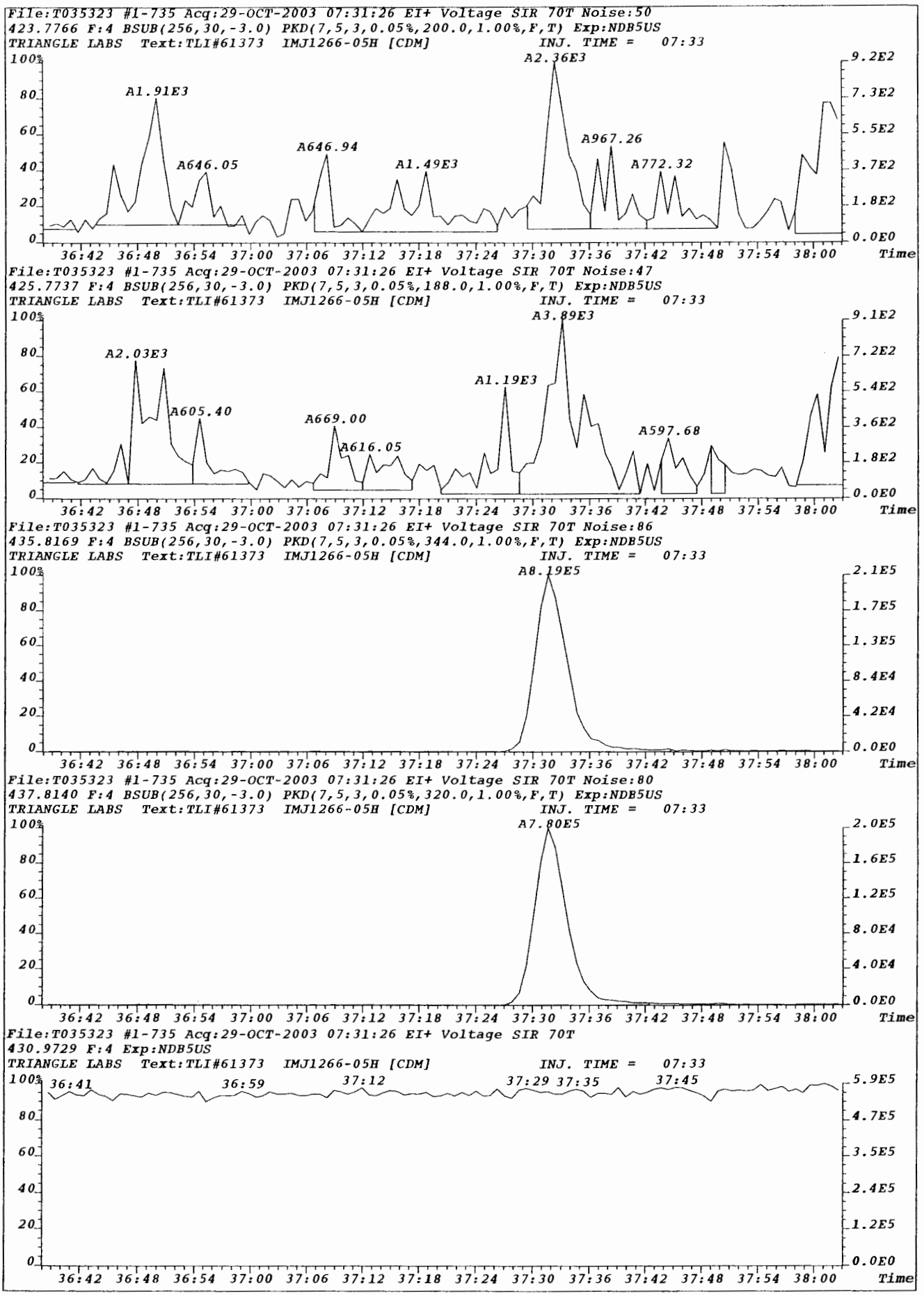


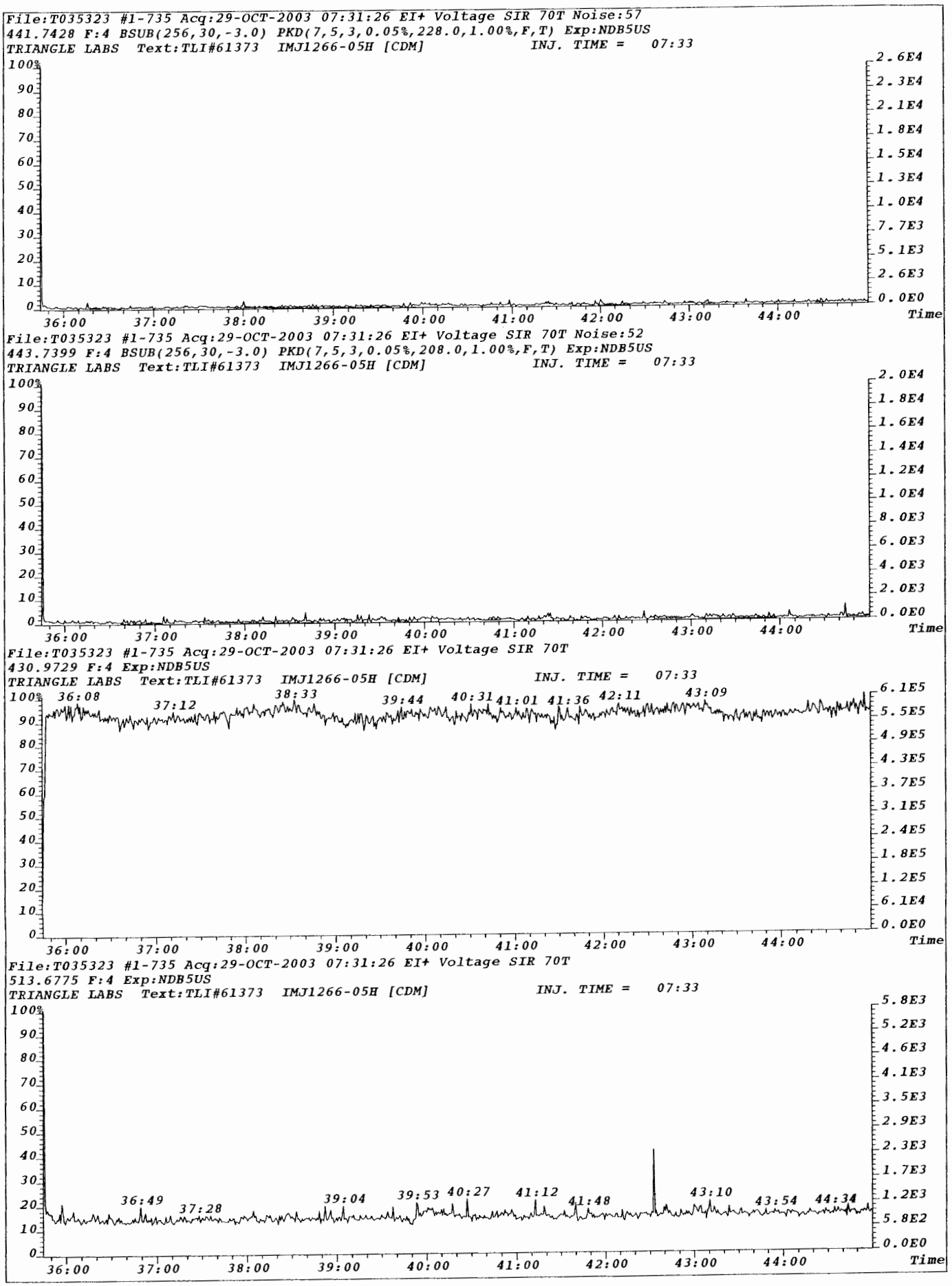
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33

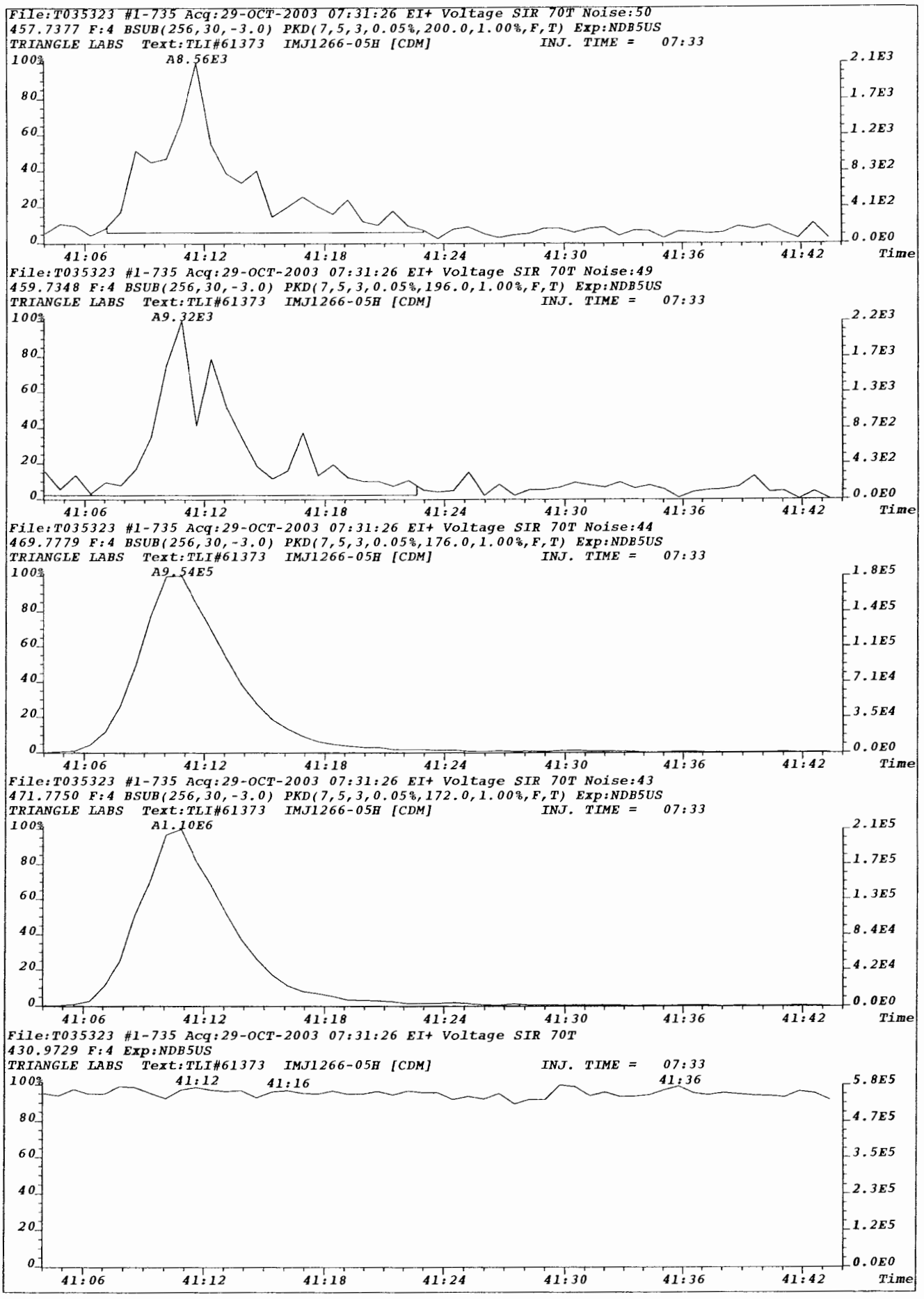


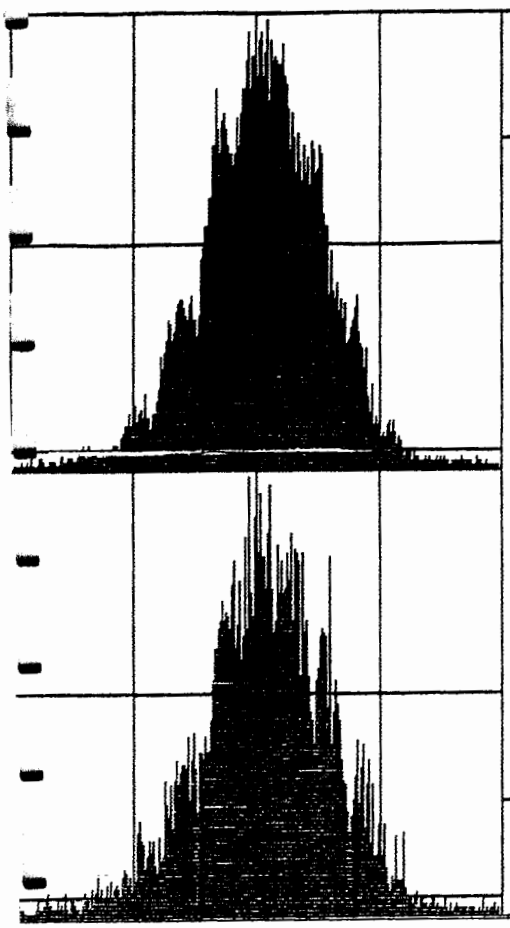
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33




File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:50
423.7766 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,200.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM]
INJ. TIME = 07:33
A1.91E3
A646.05
A646.94
A1.49E3
A2.36E3
A967.26
A772.32
Time
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:47
425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,188.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM]
INJ. TIME = 07:33
A2.03E3
A605.40
A669.00
A616.05
A1.19E3
A3.89E3
A597.68
Time
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:86
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,344.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM]
INJ. TIME = 07:33
A8.19E5
Time
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:80
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,320.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM]
INJ. TIME = 07:33
A7.80E5
Time
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM]
INJ. TIME = 07:33
36:41
36:59
37:12
37:29 37:35
37:45
Time


File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:57
441.7428 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:52
443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,208.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
Time


File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:50
457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,200.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A8.56E3
2.1E3
1.7E3
1.2E3
8.3E2
4.1E2
0.0E0
Time
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:49
459.7348 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,196.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A9.32E3
2.2E3
1.7E3
1.3E3
8.7E2
4.3E2
0.0E0
Time
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:44
469.7779 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,176.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A9.54E5
1.8E5
1.4E5
1.1E5
7.1E4
3.5E4
0.0E0
Time
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T Noise:43
471.7750 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,172.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
A1.10E6
2.1E5
1.7E5
1.3E5
8.4E4
4.2E4
0.0E0
Time
File:T035323 #1-735 Acq:29-OCT-2003 07:31:26 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-05H [CDM] INJ. TIME = 07:33
41:12
41:16
41:36
5.8E5
4.7E5
3.5E5
2.3E5
1.2E5
0.0E0
Time
100%
80
60
40
20
0
41:06
41:12
41:18
41:24
41:30
41:36
41:42

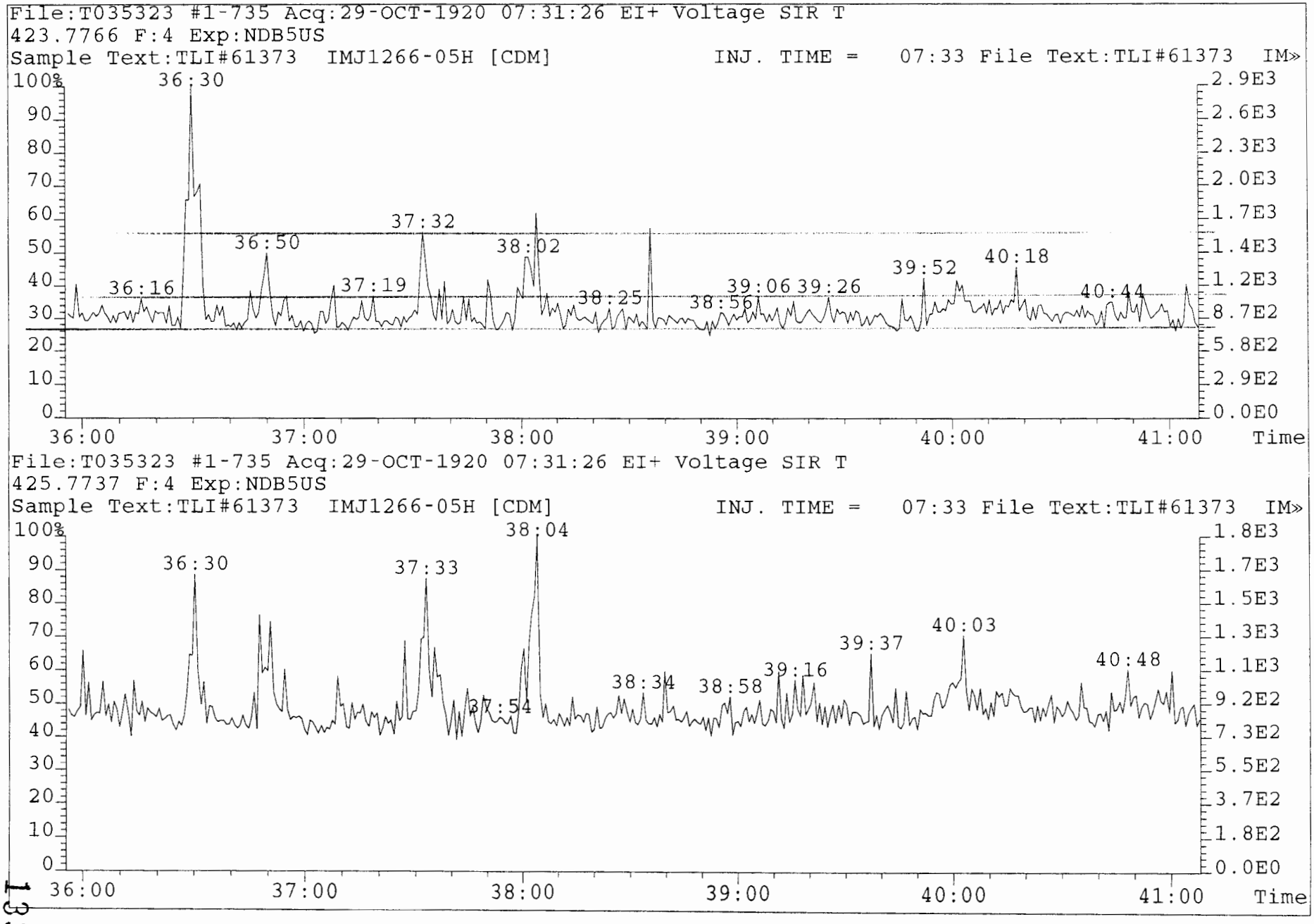


Channel I 330.9792 Peak top
Height .36 volts Span 200 ppm

System file name	NDB5US
Data file name	A:T029031
Resolution	10000
Group number	2
Ionization mode	EI+
Switching	VOLTAGE
Ref. masses	292.9825, 416.9760

A	293	J	331	S	368
B	304	K	332	T	370
C	306	L	334	U	376
D	316	M	340	V	410
E	318	N	342		
F	320	O	352		
G	322	P	354		
H	328	Q	356		
I	331	R	358		

Ref. mass 416.9760 Peak top
Height .06 volts Span 200 ppm


File:T035323 #1-735 Acq:29-OCT-1920 07:31:26 EI+ Voltage SIR T
423.7766 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-05H [CDM]
INJ. TIME = 07:33 File Text:TLI#61373 IM»
36:30
36:16
36:50
37:32
37:19
38:02
38:25
38:56
39:06 39:26
39:52
40:18
40:44
100%
90
80
70
60
50
40
30
20
10
0
2.9E3
2.6E3
2.3E3
2.0E3
1.7E3
1.4E3
1.2E3
8.7E2
5.8E2
2.9E2
0.0E0
36:00
37:00
38:00
39:00
40:00
41:00
Time
File:T035323 #1-735 Acq:29-OCT-1920 07:31:26 EI+ Voltage SIR T
425.7737 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-05H [CDM]
INJ. TIME = 07:33 File Text:TLI#61373 IM»
38:04
36:30
37:33
38:34
38:58
39:16
39:37
40:03
40:48
37:54
100%
90
80
70
60
50
40
30
20
10
0
1.8E3
1.7E3
1.5E3
1.3E3
1.1E3
9.2E2
7.3E2
5.5E2
3.7E2
1.8E2
0.0E0
36:00
37:00
38:00
39:00
40:00
41:00
Time

133

Del Mar Analytical

TLI Project: **61373** — Method 8290 PCDD/PCDF Analysis (b)

Client Sample: **IMJ1266-06H [CDM]** — Analysis File: **T035324**

Client Project:	2003 Prices, Sequoia Network				
Sample Matrix:	WATER	Date Received:	10/24/2003	Spike File:	SPMIT32S
TLI ID:	365-63-5A	Date Extracted:	10/26/2003	ICal:	TF53183
		Date Analyzed:	10/29/2003	ConCal:	T035313
Sample Size:	1.030 L	Dilution Factor:	n/a	% Moisture:	n/a
Dry Weight:	n/a	Blank File:	T035314	% Lipid:	n/a
GC Column:	DB-5	Analyst:	VSC	% Solids:	n/a

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	ND	3.5				
1,2,3,7,8-PeCDD	ND	5.0				
1,2,3,4,7,8-HxCDD	ND	3.1				
1,2,3,6,7,8-HxCDD	ND	2.8				
1,2,3,7,8,9-HxCDD	ND	3.1				
1,2,3,4,6,7,8-HpCDD	ND	4.9				
1,2,3,4,6,7,8,9-OCDD	49.7			0.87	41:12	J
2,3,7,8-TCDF	ND	2.8				
1,2,3,7,8-PeCDF	ND	2.6				
2,3,4,7,8-PeCDF	ND	3.3				
1,2,3,4,7,8-HxCDF	ND	2.2				
1,2,3,6,7,8-HxCDF	ND	2.1				
2,3,4,6,7,8-HxCDF	ND	2.1				
1,2,3,7,8,9-HxCDF	ND	2.5				
1,2,3,4,6,7,8-HpCDF	ND	2.9				
1,2,3,4,7,8,9-HpCDF	ND	3.5				
1,2,3,4,6,7,8,9-OCDF	ND	7.2				

Totals	Conc. (pg/L)	Number	DL	EMPC	Flags
Total TCDD	ND		3.5		
Total PeCDD	ND		5.0		
Total HxCDD	ND		3.0		
Total HpCDD	ND		4.9		
Total TCDF	ND		2.8		
Total PeCDF	ND		2.9		
Total HxCDF	ND		2.2		
Total HpCDF	ND		3.2		

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 12:59 10/29/2003

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TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)

Client Sample: **IMJ1266-06H [CDM]** Analysis File: **T035324**

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,7,8-TCDF	741	38.2	40%-135%	0.75	26:12	V___
$^{13}C_{12}$-2,3,7,8-TCDD	774	39.9	40%-135%	0.81	26:54	V___
$^{13}C_{12}$-1,2,3,7,8-PeCDF	763	39.3	40%-135%	1.56	30:06	V___
$^{13}C_{12}$-1,2,3,7,8-PeCDD	661	34.1	40%-135%	1.51	31:07	V___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	913	47.0	40%-135%	0.51	33:35	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	859	44.3	40%-135%	1.20	34:16	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	848	43.7	40%-135%	0.43	36:30	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	884	45.5	40%-135%	1.03	37:32	___
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	1250	32.2	40%-135%	0.86	41:11	V___

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	827	42.6	40%-135%	1.55	30:47	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	831	42.8	40%-135%	0.50	33:30	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	749	38.6	40%-135%	1.22	34:11	V___
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	819	42.2	40%-135%	0.40	38:03	___

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	81.0	41.7	40%-135%	26:54	___

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	772	39.8	40%-135%	0.49	34:52	V___
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	839	43.2	40%-135%	0.50	34:05	___

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.83	26:40	___
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.20	34:35	___

Data Reviewer: KL 10/29/2003

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 12:59 10/29/2003

Initial ....Date...

Data Review By: KL 10/29/03

Calculated Noise Height: 0.03

The Total Area for each peak with an ion abundance ratio outside ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035324B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF						0.65-0.89				0.875-1.073			
304-306	DC	NL				Height	0.12	0.06	0.06				
	DC	SN	27:21	RO		2.80	0.09			1.044			
304-306			0 Peaks				0.00						
13C12-TCDF						0.65-0.89				0.962-1.038			
316-318	DC	NL				Height	0.10	0.04	0.06				
	DC	WL	23:27	RO		0.57	0.18			0.895			
	DC	WL	24:56	RO		2.00	0.14			0.952			
	DC	SN	25:26	RO		0.43	0.14			0.971			
			26:12			0.75	242.74	103.81	138.93	1.000	13C12-2378-TCDF	IS0	
						Height	46.04	19.67	26.37				
			26:54	RO		3.47	0.64	1.25	0.36	1.027			
	DC	WH	27:18	RO		0.64	1.29			1.042			
	DC	WH	27:53	RO		3.11	0.16			1.064			
316-318			2 Peaks				243.38						
---------- Above: TCDF / TCDD Follows ----------													
TCDD						0.65-0.89				0.900-1.043			
320-322	DC	NL				Height	0.11	0.05	0.06				
	DC	SN	25:14	RO		1.38	0.14			0.938			
	DC	SN	25:25	RO		0.59	0.23			0.945			
	DC	SN	26:25	RO		0.64	0.32			0.982			
	DC	WH	28:22	RO		1.50	0.14			1.055			
320-322			0 Peaks				0.00						
37Cl-TCDD										0.926-1.074			
328	DC	NL				Height	0.05	0.05					
	DC	WL	24:38				0.04			0.916			
	DC	WL	24:53				0.10			0.925			
	DC	SN	24:59				0.09			0.929			
			26:25				0.09	0.09		0.982			
	DC	SN	26:36				0.17			0.989			
			26:54				21.42	21.42		1.000	37Cl-TCDD		CLS
			27:10				0.61	0.61		1.010			
			27:26				0.37	0.37		1.020			
	DC	SN	27:46				0.07			1.032			
328			4 Peaks				22.49						
13C12-TCDD						0.65-0.89				0.926-1.074			
332-334	DC	NL				Height	0.15	0.09	0.06				
N			26:40			0.83	470.16	213.92	256.24	0.991	13C12-1234-TCDD	RS1	
			26:54			0.81	175.63	78.58	97.05	1.000	13C12-2378-TCDD	IS1	
						Height	32.83	14.72	18.11				

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
				27:27		0.87	1.87	0.87	1.00	1.020			
				27:34	RO	0.39	1.45	0.63	1.63	1.025			
				27:53	RO	0.28	0.25	0.11	0.39	1.037			
				27:59	RO	1.86	0.64	0.67	0.36	1.040			
				28:14	RO	1.43	0.50	0.40	0.28	1.050			
				28:22	RO	2.08	0.44	0.52	0.25	1.055			
332-334			8 Peaks				650.94						
---------- Above: TCDD / PeCDF Follows ----------													
PeCDF						1.32-1.78				0.929-1.061			
340-342	DC	NL				Height	0.10	0.05	0.05				
	DC	WL		27:53	RO	1.24	0.54			0.926			
	DC	SN		28:05	RO	1.13	0.20			0.933			
	DC	SN		28:29	RO	0.57	0.07			0.946			
	DC	SN		28:35	RO	0.13	0.03			0.950			
	DC	SN		29:00	RO	1.22	0.23			0.963			
	DC	SN		29:46	RO	0.69	0.33			0.989			
	DC	SN		29:56	RO	0.32	0.12			0.994			
	DC	SN		30:37	RO	2.57	0.18			1.017			
340-342			0 Peaks				0.00						
13C12-PeCDF						1.32-1.78				0.867-1.133			
352-354	DC	NL				Height	0.10	0.05	0.05				
				29:18		1.72	0.49	0.31	0.18	0.973			
				30:06		1.56	201.87	122.87	79.00	1.000	13C12-PeCDF 123 IS2		
						Height	43.31	26.96	16.35				
				30:40	RO	2.77	0.77	0.83	0.30	1.019			
				30:47		1.55	200.38	121.77	78.61	1.023	13C12-PeCDF 234 SUR1		
				31:16	RO	2.19	0.41	0.35	0.16	1.039			
				31:23	RO	1.05	0.48	0.20	0.19	1.043			
				31:40	RO	0.93	0.41	0.25	0.27	1.052			
				31:53	RO	1.29	2.22	1.12	0.87	1.059			
352-354			8 Peaks				407.03						
---------- Above: PeCDF / PeCDD Follows ----------													
PeCDD						1.32-1.78				0.938-1.021			
356-358	DC	NL				Height	0.09	0.05	0.04				
356-358			0 Peaks				0.00						
13C12-PeCDD						1.32-1.78				0.871-1.129			
368-370	DC	NL				Height	0.10	0.05	0.05				
				30:24		1.54	0.33	0.20	0.13	0.977			
	DC	SN		30:45	RO	1.00	0.23			0.988			
				31:07		1.51	101.83	61.20	40.63	1.000	13C12-PeCDD 123 IS3		
						Height	24.92	15.05	9.87				
368-370			2 Peaks				102.16						
---------- Above: PeCDD / HxCDF Follows ----------													

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
HxCDF				1.05-1.43						0.964-1.045			
374-376	DC	NL		Height			0.09	0.05	0.04				
	DC	SN		33:30	RO	1.75	0.18			0.998	123478-HxCDF		AN
D	D	SN		33:37	RO	2.83	0.13			1.001	123678-HxCDF		AN
	DC	SN		33:42	RO	1.67	0.07			1.003			
	DC	SN		33:45	RO	1.50	0.04			1.005			
	DC	SN		33:52	RO	5.50	0.04			1.008			
374-376			0	Peaks			0.00						
13C12-HxCDF				0.43-0.59						0.881-1.119			
384-386	DC	NL		Height			0.16	0.06	0.10				
	DC	SN		33:36		0.45	0.32			0.971			
				33:30		0.50	191.42	63.92	127.50	0.998	13C12-HxCDF 478		SUR2
				33:35		0.51	227.80	77.31	150.49	1.000	13C12-HxCDF 678		IS4
					Height		59.27	19.79	39.48				
				33:50	RO	0.64	2.96	1.00	1.56	1.007			
				33:56	RO	0.91	1.21	0.41	0.45	1.010			
				34:05		0.50	207.75	69.51	138.24	1.015	13C12-HxCDF 234		ALT2
				34:28	RO	0.72	0.83	0.28	0.39	1.026			
				34:52		0.49	165.26	54.43	110.83	1.038	13C12-HxCDF 789		ALT1
				35:19	RO	0.94	0.47	0.16	0.17	1.052			
				35:23	RO	0.28	0.33	0.11	0.39	1.054			
384-386			9	Peaks			798.03						

---------- Above: HxCDF / HxCDD Follows ----------

HxCDD				1.05-1.43						0.960-1.014			
390-392	DC	NL		Height			0.09	0.04	0.05				
D	D	SN		33:29		1.11	0.57			0.977			
D	D	SN		33:35	RO	2.38	0.18			0.980			
	DC	SN		33:40	RO	1.00	0.14			0.982			
	DC	SN		33:47	RO	0.80	0.07			0.986			
	DC	SN		33:50	RO	0.17	0.02			0.987			
	DC	SN		33:54	RO	1.50	0.09			0.989			
	DC	SN		33:57	RO	2.33	0.07			0.991			
	DC	WH		34:53	RO	2.25	0.18			1.018			
390-392			0	Peaks			0.00						
13C12-HxCDD				1.05-1.43						0.971-1.029			
402-404	DC	NL		Height			0.11	0.05	0.06				
				33:42		1.05	1.25	0.64	0.61	0.983			
				34:11		1.22	136.05	74.74	61.31	0.998	13C12-HxCDD 478		SUR3
				34:16		1.20	170.12	92.93	77.19	1.000	13C12-HxCDD 678		IS5
					Height		47.99	26.07	21.92				
				34:35		1.20	376.11	205.10	171.01	1.009	13C12-HxCDD 789		RS2
				34:54		1.22	0.82	0.45	0.37	1.018			
				35:00	RO	0.43	0.47	0.26	0.60	1.021			
402-404			6	Peaks			684.82						

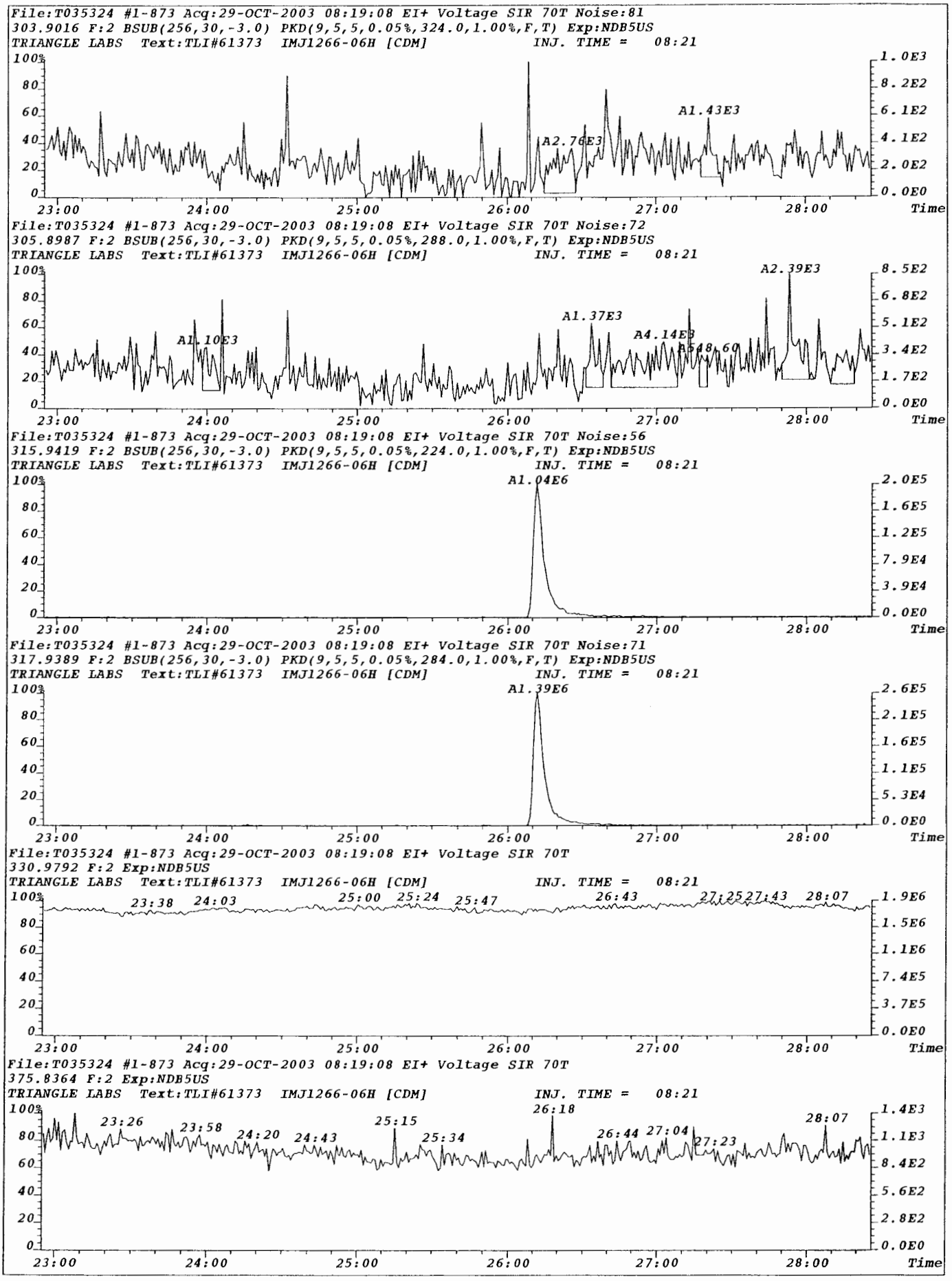
---------- Above: HxCDD / HpCDF Follows ----------

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
HpCDF						0.88-1.20				0.996-1.047			
408-410		DC	NL			Height	0.09	0.05	0.04				
408-410			0 Peaks				0.00						
13C12-HpCDF						0.37-0.51				0.945-1.110			
418-420		DC	NL			Height	0.13	0.05	0.08				
				36:30		0.43	142.92	43.01	99.91	1.000	13C12-HpCDF 678	IS6	
						Height	34.17	9.98	24.19				
				38:03		0.40	113.96	32.84	81.12	1.042	13C12-HpCDF 789	SUR4	
418-420			2 Peaks				256.88						
---------- Above: HpCDF / HpCDD Follows ----------													
HpCDD						0.88-1.20				0.976-1.005			
424-426		DC	NL			Height	0.10	0.06	0.04				
		DC	SN	37:28	RO	1.36	0.22			0.998			
	D	D	SN	37:32	RO	2.00	0.24			1.000	1234678-HpCDD	AN	
		DC	SN	37:42	RO	0.40	0.04			1.004			
		DC	WH	38:03	RO	5.18	0.22			1.014			
424-426			0 Peaks				0.00						
13C12-HpCDD						0.88-1.20				0.973-1.027			
436-438		DC	NL			Height	0.12	0.06	0.06				
				36:49	RO	2.00	0.24	0.24	0.12	0.981			
				37:32		1.03	130.33	66.00	64.33	1.000	13C12-HpCDD 678	IS7	
						Height	29.84	15.30	14.54				
				37:52	RO	0.38	0.31	0.16	0.42	1.009			
436-438			3 Peaks				130.88						
---------- Above: HpCDD / Octa-CDD and CDF Follows ----------													
OCDF						0.76-1.02				0.903-1.097			
442-444		DC	NL			Height	0.10	0.05	0.05				
		DC	SN	39:13	RO	0.46	0.13			0.952			
		DC	SN	39:26	RO	0.39	0.25			0.958			
		DC	SN	39:36	RO	2.50	0.11			0.962			
		DC	SN	41:02	RO	0.12	0.06			0.996			
		DC	SN	41:08	RO	1.06	0.30			0.999			
		DC	SN	41:22	RO	2.92	0.23			1.004	OCDF	AN	
		DC	SN	41:31	RO	2.33	0.06			1.008			
		DC	SN	42:38	RO	0.60	0.32			1.035			
		DC	SN	42:48	RO	0.41	0.15			1.039			
		DC	SN	43:05	RO	3.50	0.04			1.046			
		DC	SN	43:10	RO	1.29	0.13			1.048			
		DC	SN	44:39	RO	0.75	0.13			1.084			
442-444			0 Peaks				0.00						
OCDD						0.76-1.02				0.903-1.097			
458-460		DC	NL			Height	0.08	0.04	0.04				
	MKTN			41:12		0.87	2.15	1.00	1.15	1.000	OCDD	AN	J
458-460			1 Peak				2.15						

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
13C12-OCDD				0.76-1.02						0.997-1.005			
470-472	DC	NL				Height	0.09	0.05	0.04				
				41:11		0.86	167.53	77.37	90.16	1.000	13C12-OCDD	IS8	
						Height	31.23	14.25	16.98				
	DC	WH		41:30	RO	0.55	0.49			1.008			
470-472			1 Peak				167.53						

Column Description.....	"Why" Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.1 -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

*** End of Report ***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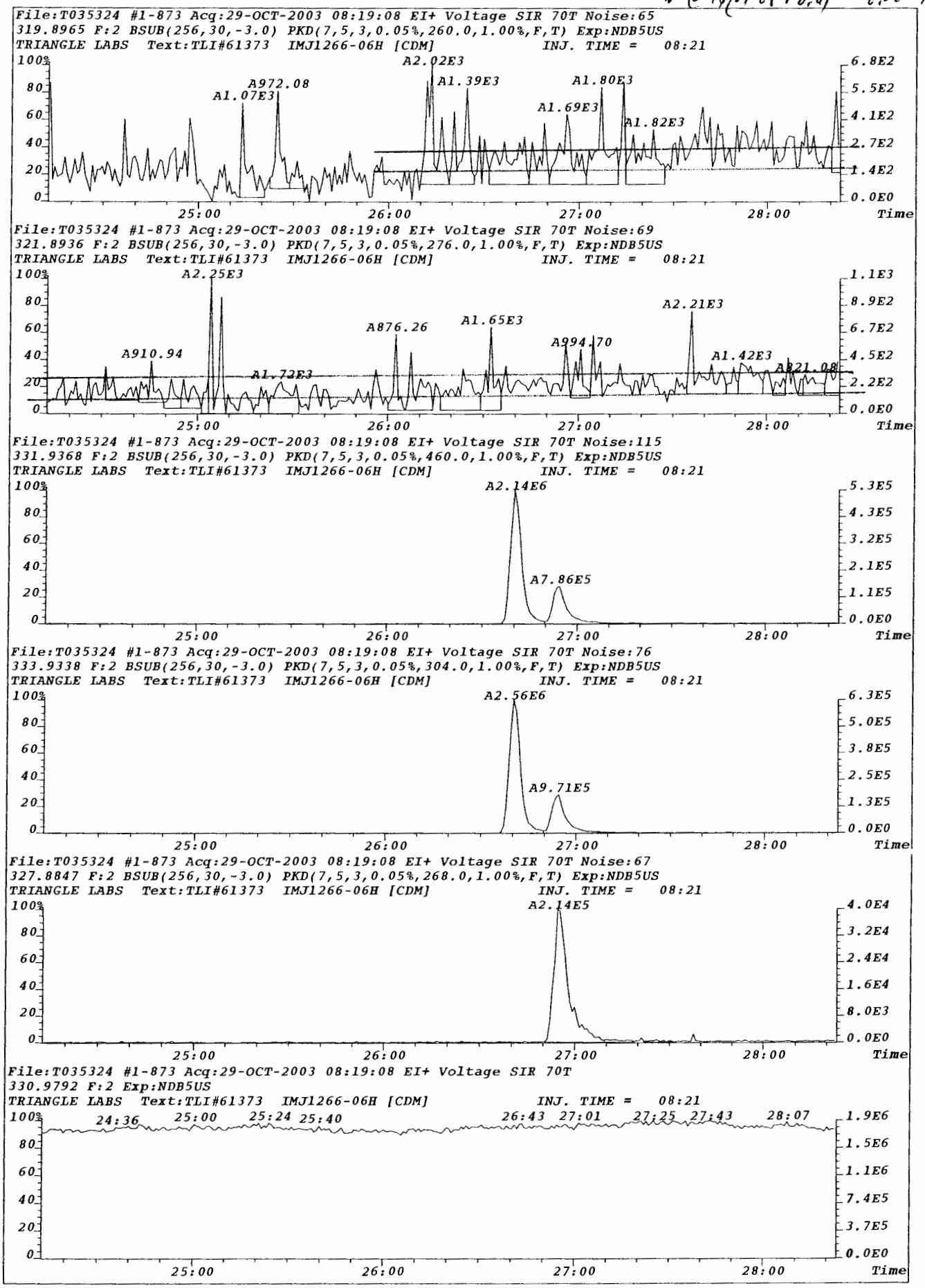
303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,324.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A2.76E3
A1.43E3
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:72
305.8987 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A2.39E3
A1.37E3
A4.14E3
A1.10E3
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:56
315.9419 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,224.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.04E6
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:71
317.9389 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.39E6
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
375.8364 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
Time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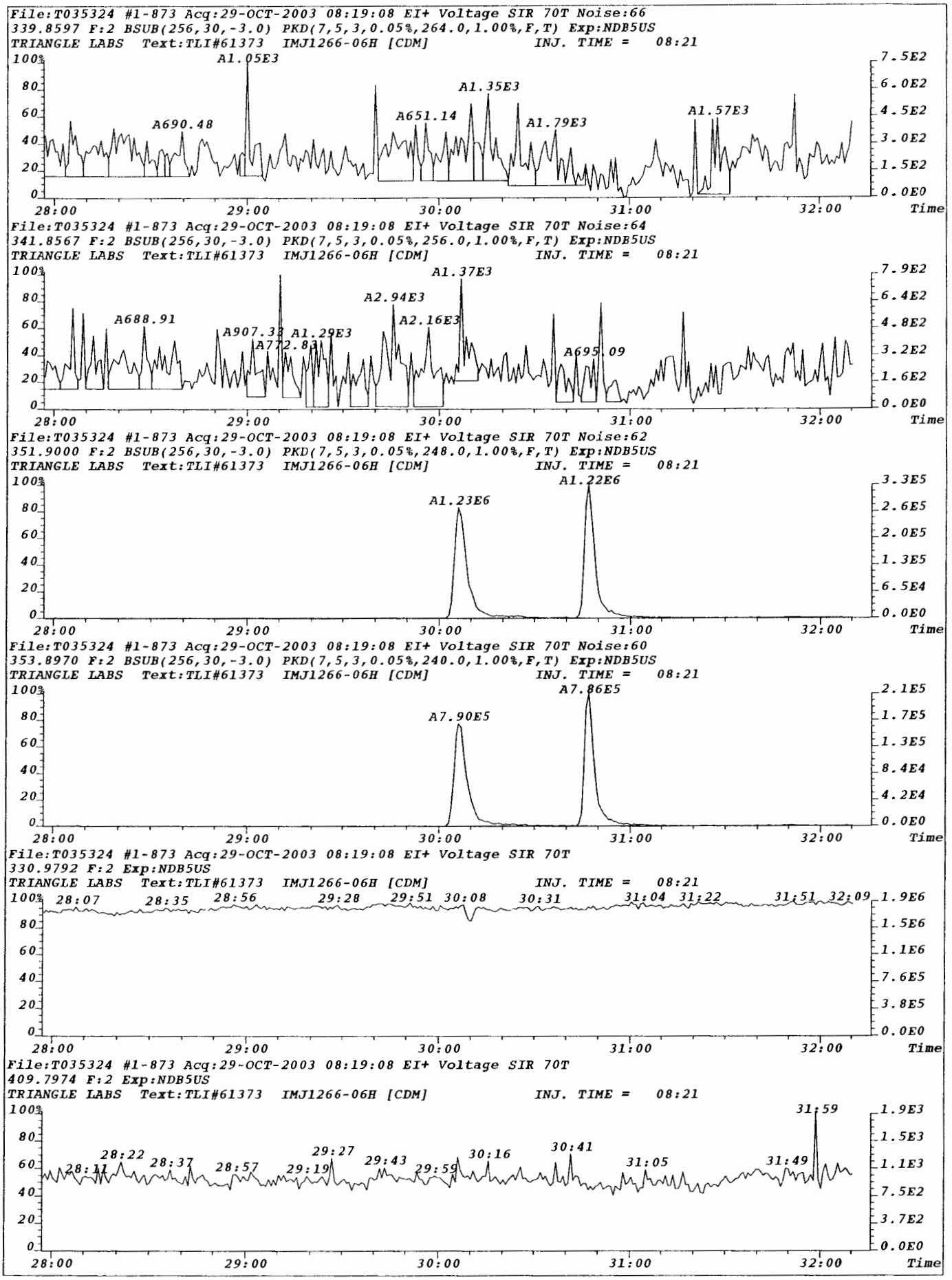
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.07E3
A972.08
A2.02E3
A1.39E3
A1.69E3
A1.80E3
A1.82E3
Time
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:69
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A910.94
A2.25E3
A1.72E3
A876.26
A1.65E3
A994.70
A2.21E3
A1.42E3
Time
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:115
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,460.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A2.14E6
A7.86E5
Time
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:76
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,304.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A2.56E6
A9.71E5
Time
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:67
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A2.14E5
Time
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
24:36
25:00
25:24
25:40
26:43
27:01
27:25
27:43
28:07
Time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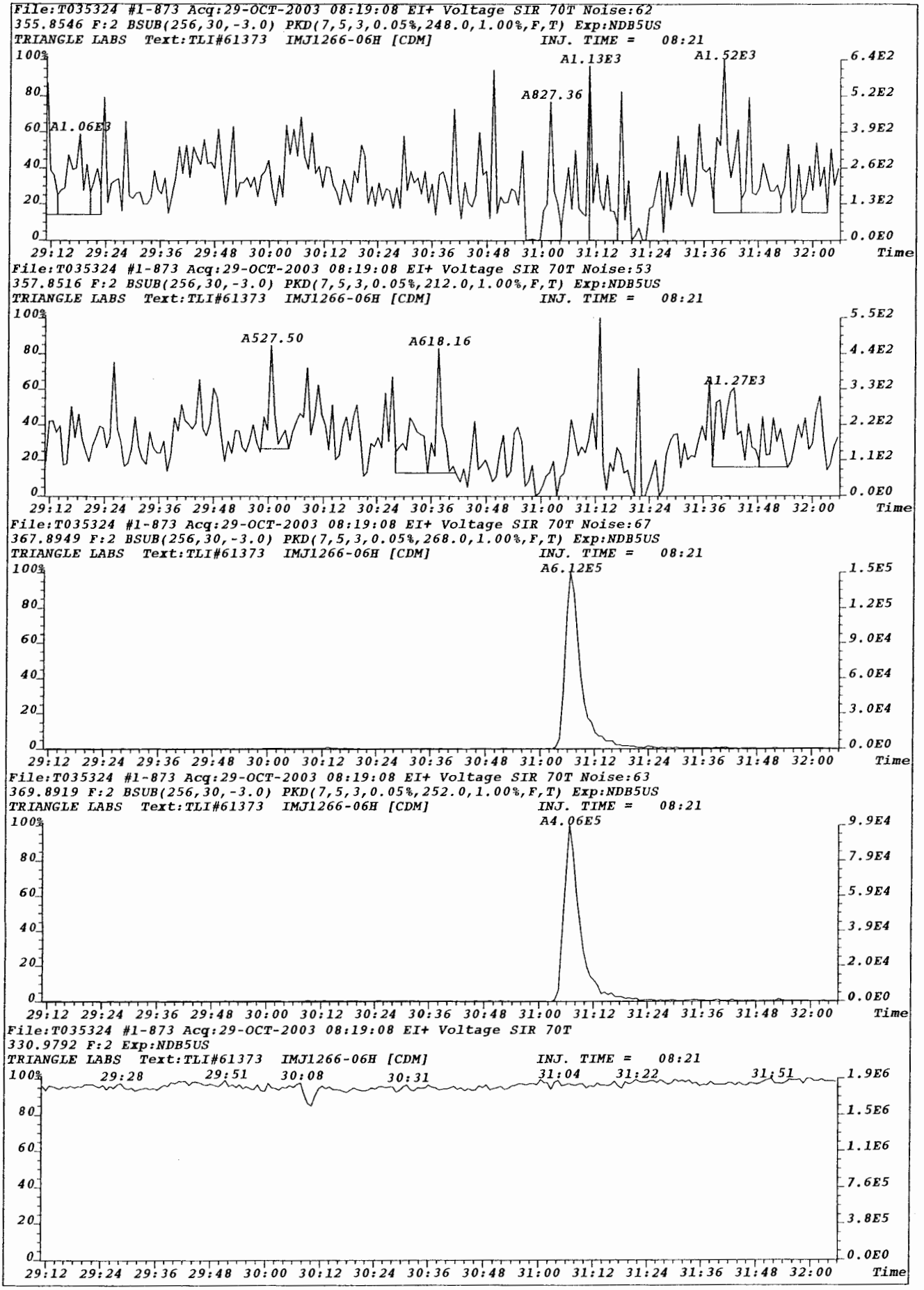
339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.05E3
A1.35E3
A690.48
A651.14
A1.79E3
A1.57E3
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:64
341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,256.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.37E3
A2.94E3
A688.91
A2.16E3
A907.33
A1.29E3
A772.83
A695.09
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:62
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.22E6
A1.23E6
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:60
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A7.86E5
A7.90E5
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
28:07 28:35 28:56 29:28 29:51 30:08 30:31 31:04 31:22 31:51 32:09
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
31:59
28:22
28:11
28:37
28:57
29:27
29:19
29:43
29:59
30:16
30:41
31:05
31:49
28:00
29:00
30:00
31:00
32:00
Time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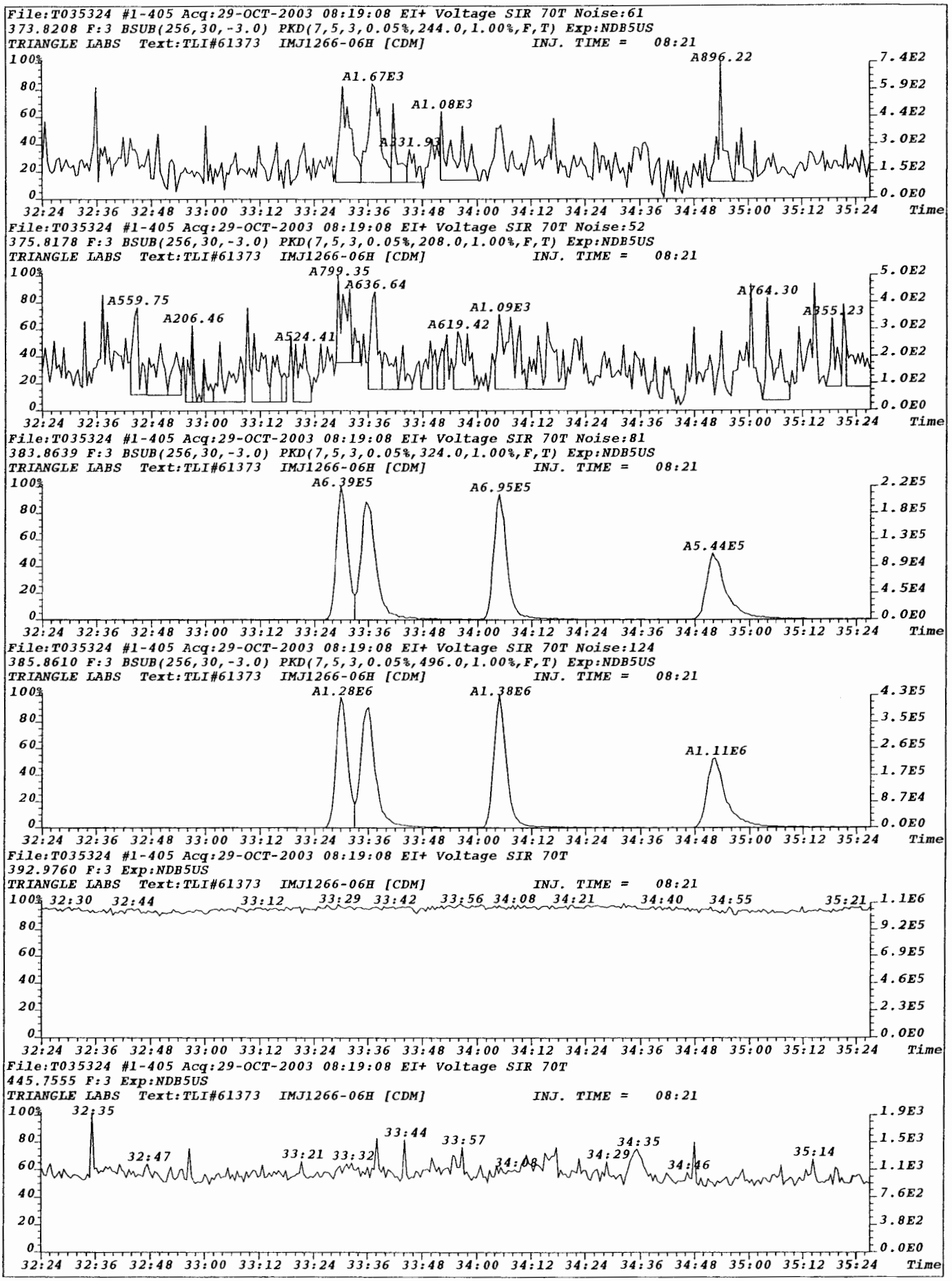
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.06E3
A827.36
A1.13E3
A1.52E3
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:53
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,212.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A527.50
A618.16
A1.27E3
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:67
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A6.12E5
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:63
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A4.06E5
File:T035324 #1-873 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
29:28
29:51
30:08
30:31
31:04
31:22
31:51
Time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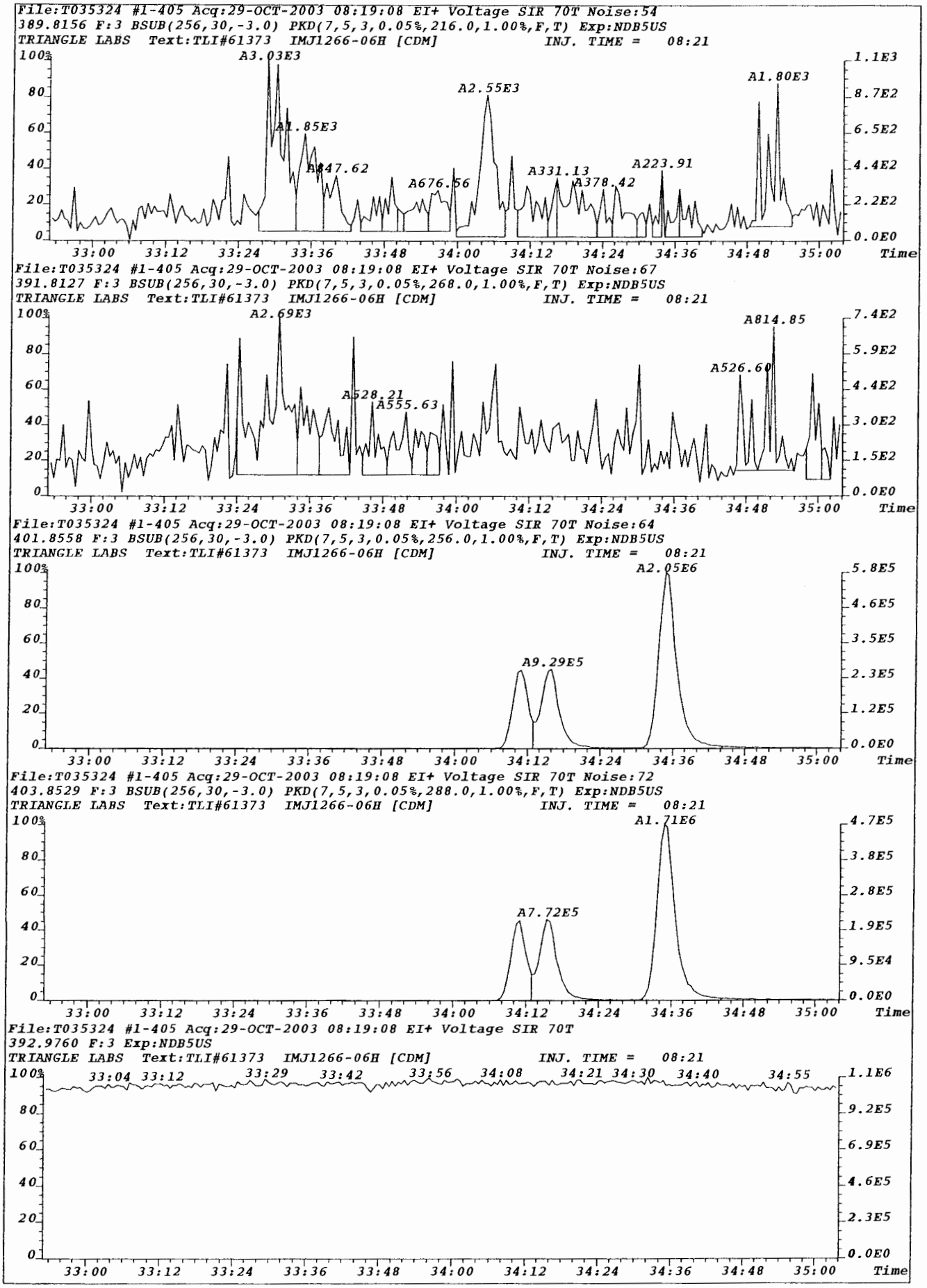
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.67E3
A1.08E3
A896.22
A731.93
File:T035324 #1-405 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:52
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,208.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A799.35
A636.64
A559.75
A206.46
A524.41
A1.09E3
A619.42
A764.30
A355.23
File:T035324 #1-405 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:81
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,324.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A6.39E5
A6.95E5
A5.44E5
File:T035324 #1-405 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:124
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,496.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.28E6
A1.38E6
A1.11E6
File:T035324 #1-405 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
File:T035324 #1-405 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
32:35
32:47
33:21
33:32
33:44
33:57
34:08
34:29
34:35
34:46
35:14
Time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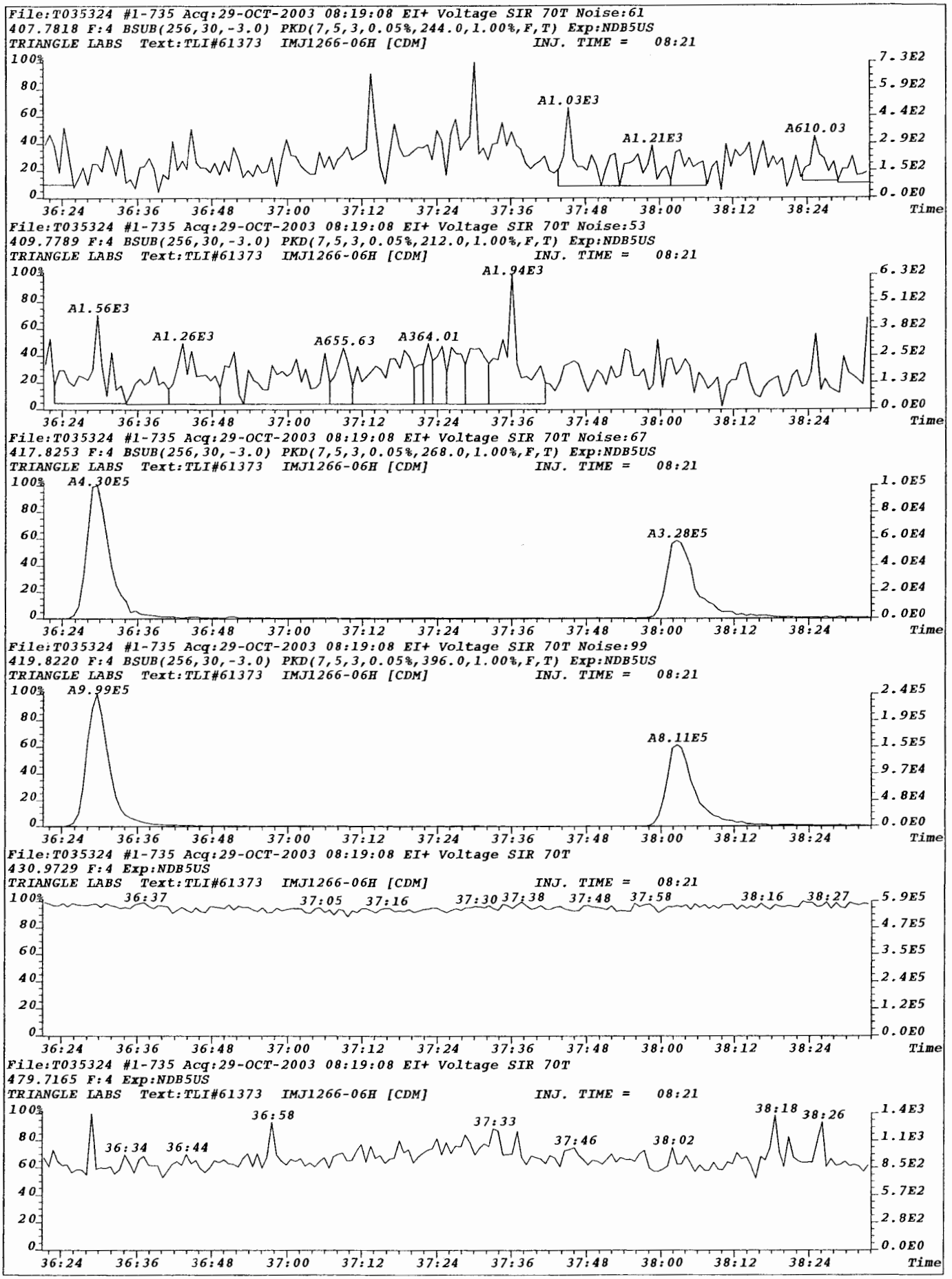
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A3.03E3
A2.55E3
A1.80E3
A1.85E3
A847.62
A676.56
A331.13
A378.42
A223.91
File:T035324 #1-405 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:67
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A2.69E3
A814.85
A526.60
A528.21
A555.63
File:T035324 #1-405 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:64
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,256.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A2.05E6
A9.29E5
File:T035324 #1-405 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:72
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.71E6
A7.72E5
File:T035324 #1-405 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
Time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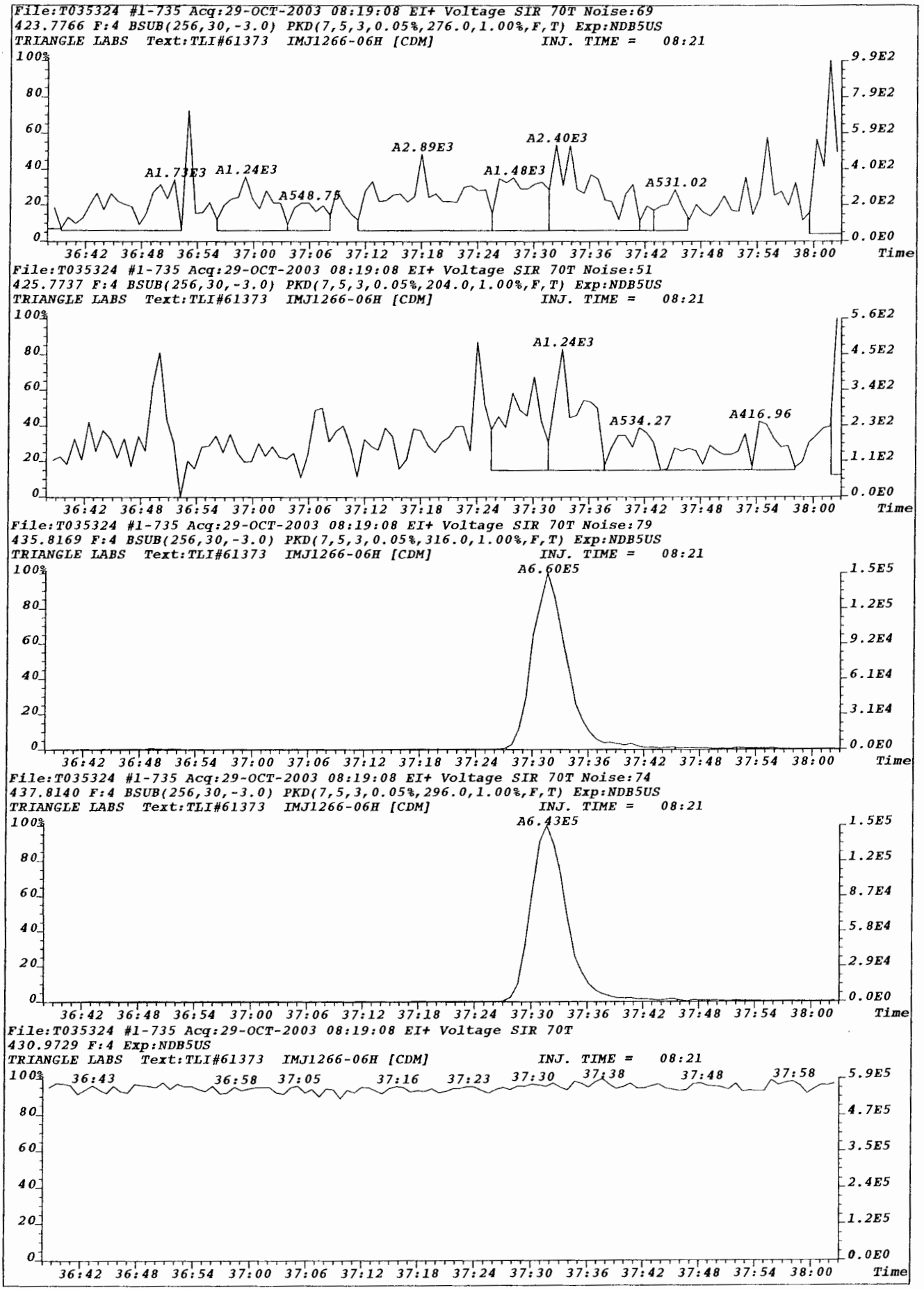
407.7818 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.03E3
A1.21E3
A610.03
Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:53
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,212.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.94E3
A1.56E3
A1.26E3
A655.63
A364.01
Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:67
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A4.30E5
A3.28E5
Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:99
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,396.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A9.99E5
A8.11E5
Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
Time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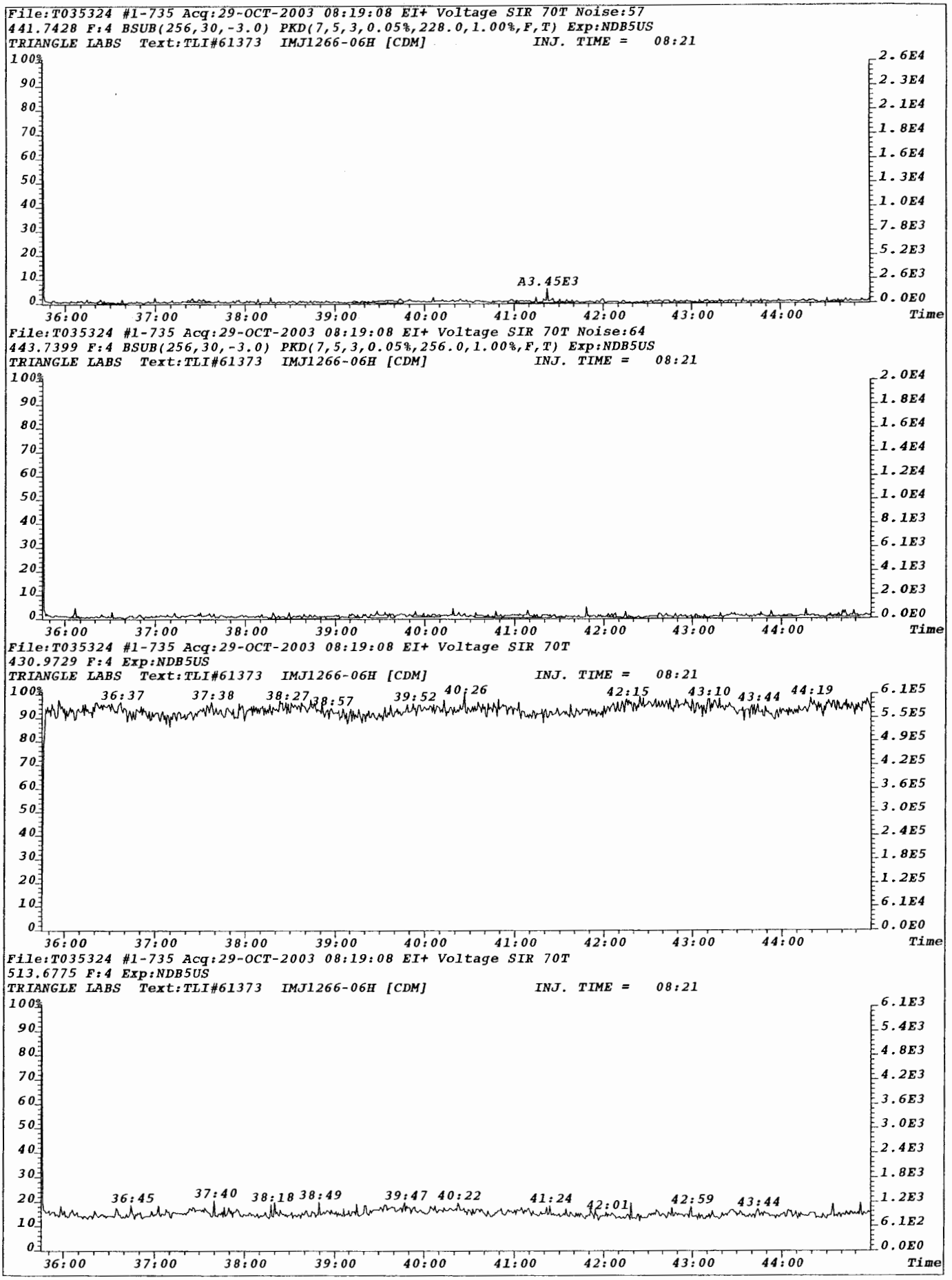
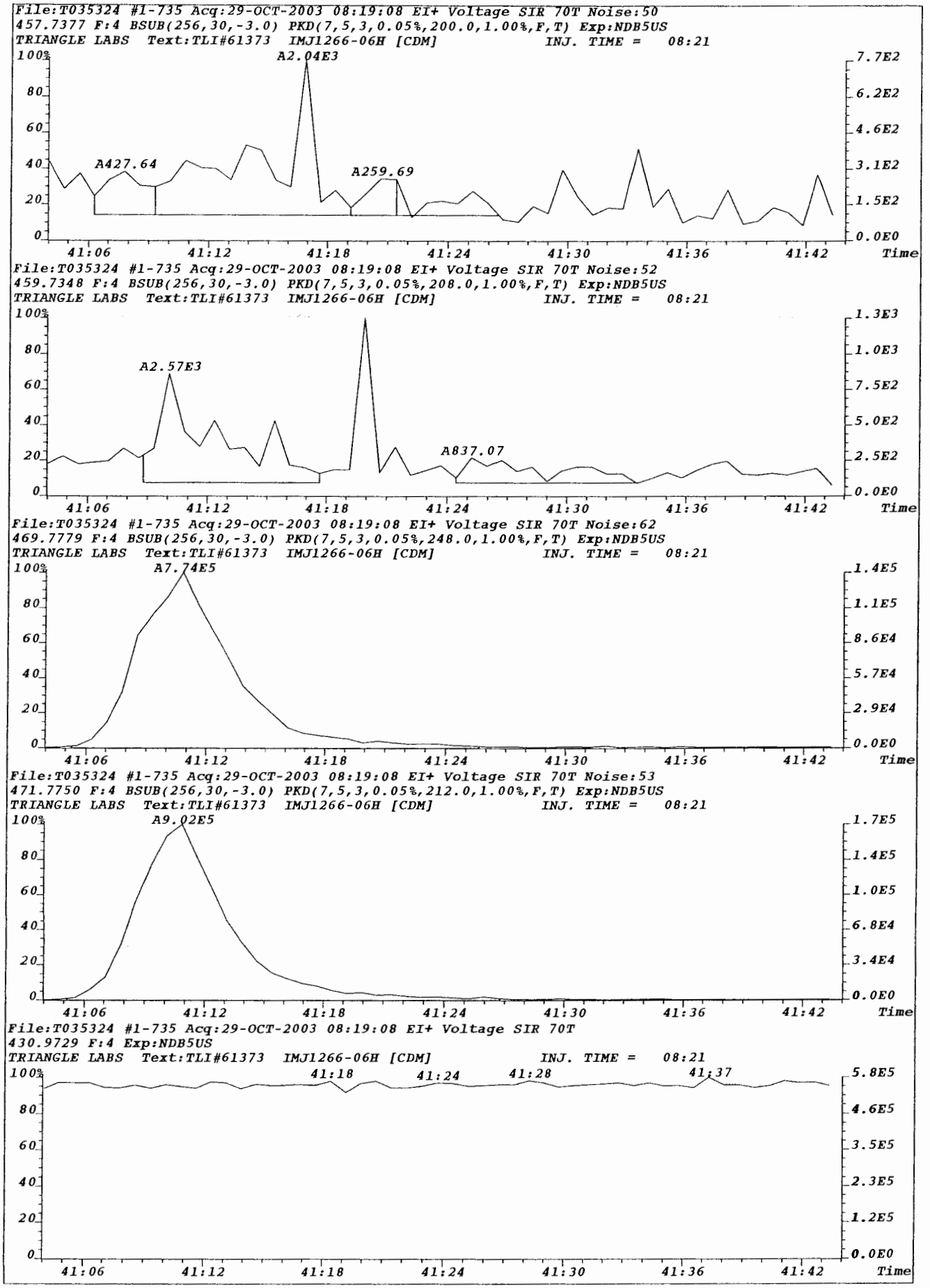
423.7766 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.73E3
A1.24E3
A548.75
A2.89E3
A1.48E3
A2.40E3
A531.02
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:51
425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,204.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A1.24E3
A534.27
A416.96
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:79
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,316.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A6.60E5
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:74
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,296.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A6.43E5
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
Time


File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:57
441.7428 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A3.45E3
Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:64
443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,256.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
36:37 37:38 38:27 38:57 39:52 40:26 42:15 43:10 43:44 44:19
Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
36:45 37:40 38:18 38:49 39:47 40:22 41:24 42:01 42:59 43:44
Time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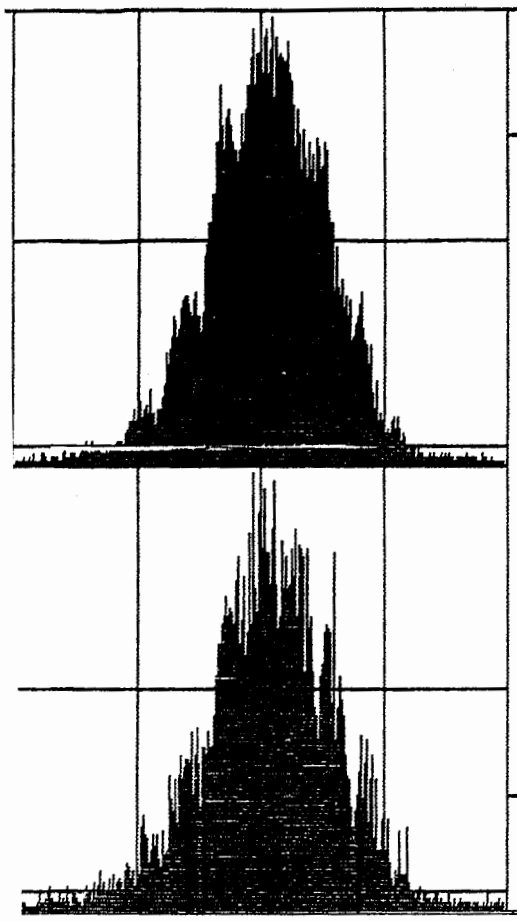
457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,200.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A2.04E3
A427.64
A259.69
7.7E2
6.2E2
4.6E2
3.1E2
1.5E2
0.0E0
41:06 41:12 41:18 41:24 41:30 41:36 41:42 Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:52
459.7348 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,208.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A2.57E3
A837.07
1.3E3
1.0E3
7.5E2
5.0E2
2.5E2
0.0E0
41:06 41:12 41:18 41:24 41:30 41:36 41:42 Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:62
469.7779 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A7.74E5
1.4E5
1.1E5
8.6E4
5.7E4
2.9E4
0.0E0
41:06 41:12 41:18 41:24 41:30 41:36 41:42 Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T Noise:53
471.7750 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,212.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
A9.02E5
1.7E5
1.4E5
1.0E5
6.8E4
3.4E4
0.0E0
41:06 41:12 41:18 41:24 41:30 41:36 41:42 Time
File:T035324 #1-735 Acq:29-OCT-2003 08:19:08 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-06H [CDM] INJ. TIME = 08:21
41:18 41:24 41:28 41:37
5.8E5
4.6E5
3.5E5
2.3E5
1.2E5
0.0E0
41:06 41:12 41:18 41:24 41:30 41:36 41:42 Time



Channel I 330.9792 Peak top
Height .36 volts Span 200 ppm

System file name	NDB5US
Data file name	A:T029031
Resolution	10000
Group number	2
Ionization mode	EI+
Switching	VOLTAGE
Ref. masses	292.9825, 416.9760

A	293	J	331	S	368
B	304	K	332	T	370
C	306	L	334	U	376
D	316	M	340	V	410
E	318	N	342		
F	320	O	352		
G	322	P	354		
H	328	Q	356		
I	331	R	358		

Ref. mass 416.9760 Peak top
Height .06 volts Span 200 ppm

Del Mar Analytical

TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)

Client Sample: **IMJ1266-07H [CDM]** Analysis File: **T035325**

Client Project:	**2003 Prices, Sequoia Network**				
Sample Matrix:	**WATER**	Date Received:	**10/24/2003**	Spike File:	**SPMIT32S**
TLI ID:	**365-63-6A**	Date Extracted:	**10/26/2003**	ICal:	**TF53183**
		Date Analyzed:	**10/29/2003**	ConCal:	**T035313**
Sample Size:	**0.995 L**	Dilution Factor:	**n/a**	% Moisture:	**n/a**
Dry Weight:	**n/a**	Blank File:	**T035314**	% Lipid:	**n/a**
GC Column:	**DB-5**	Analyst:	**VSC**	% Solids:	**n/a**

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	ND	2.4				
1,2,3,7,8-PeCDD	ND	3.5				
1,2,3,4,7,8-HxCDD	ND	2.3				
1,2,3,6,7,8-HxCDD	ND	2.1				
1,2,3,7,8,9-HxCDD	ND	2.3				
1,2,3,4,6,7,8-HpCDD	ND	3.6				
1,2,3,4,6,7,8,9-OCDD	ND	6.7				
2,3,7,8-TCDF	ND	2.0				
1,2,3,7,8-PeCDF	ND	1.7				
2,3,4,7,8-PeCDF	ND	2.1				
1,2,3,4,7,8-HxCDF	ND	1.5				
1,2,3,6,7,8-HxCDF	ND	1.4				
2,3,4,6,7,8-HxCDF	ND	1.5				
1,2,3,7,8,9-HxCDF	ND	1.8				
1,2,3,4,6,7,8-HpCDF	ND	2.1				
1,2,3,4,7,8,9-HpCDF	ND	2.5				
1,2,3,4,6,7,8,9-OCDF	ND	5.2				

Totals	Conc. (pg/L)	Number	DL	EMPC	Flags
Total TCDD	ND		2.4		
Total PeCDD	ND		3.5		
Total HxCDD	ND		2.3		
Total HpCDD	ND		3.6		
Total TCDF	ND		2.0		
Total PeCDF	ND		1.9		
Total HxCDF	ND		1.5		
Total HpCDF	ND		2.3		

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 13:01 10/29/2003

TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **IMJ1266-07H [CDM]** Analysis File: **T035325**

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,7,8-TCDF	880	43.8	40%-135%	0.74	26:11	___
$^{13}C_{12}$-2,3,7,8-TCDD	936	46.6	40%-135%	0.84	26:54	___
$^{13}C_{12}$-1,2,3,7,8-PeCDF	880	43.8	40%-135%	1.58	30:05	___
$^{13}C_{12}$-1,2,3,7,8-PeCDD	820	40.8	40%-135%	1.46	31:06	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1070	53.2	40%-135%	0.50	33:35	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1010	50.2	40%-135%	1.21	34:15	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	1020	50.9	40%-135%	0.43	36:30	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	1040	52.0	40%-135%	1.03	37:31	___
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	1570	39.0	40%-135%	0.86	41:10	V___

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1040	51.9	40%-135%	1.62	30:47	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1020	50.7	40%-135%	0.52	33:30	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	971	48.3	40%-135%	1.18	34:10	___
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1010	50.4	40%-135%	0.43	38:02	___

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	91.0	45.3	40%-135%	26:54	___

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	950	47.2	40%-135%	0.51	34:52	___
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	994	49.5	40%-135%	0.51	34:05	___

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.84	26:40	___
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.20	34:35	___

Data Reviewer: KLW 10/29/2003

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 13:01 10/29/2003

Initial ....Date...

Data Review By: KLW 10/29/03

Calculated Noise Height: 0.03

The Total Area for each peak with an ion abundance ratio outside ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035325B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF				0.65-0.89					0.875-1.073				
304-306	DC	NL		Height			0.13	0.07	0.06				
	DC	SN		25:41	RO	2.75	0.14			0.981			
304-306		0	Peaks				0.00						
13C12-TCDF				0.65-0.89					0.962-1.038				
316-318	DC	NL		Height			0.13	0.06	0.07				
	DC	WL		24:16	RO	1.32	1.10			0.927			
				25:33		0.75	0.35	0.15	0.20	0.976			
				26:00	RO	1.40	0.27	0.21	0.15	0.993			
				26:11		0.74	324.86	138.12	186.74	1.000	13C12-2378-TCDF	IS0	
				Height			64.91	27.80	37.11				
				26:41		0.81	3.31	1.48	1.83	1.019			
				26:54	RO	0.40	0.62	0.27	0.67	1.027			
	DC	WH		28:04	RO	1.58	0.34			1.072			
316-318		5	Peaks				329.41						

---------- Above: TCDF / TCDD Follows ----------

TCDD				0.65-0.89					0.900-1.043				
320-322	DC	NL		Height			0.11	0.05	0.06				
	DC	SN		26:28	RO	1.20	0.09			0.984			
	DC	SN		27:16	RO	2.50	0.07			1.014			
320-322		0	Peaks				0.00						
37Cl-TCDD									0.926-1.074				
328	DC	NL		Height			0.05	0.05					
				25:29			0.75	0.75		0.947			
	DC	SN		25:39			0.06			0.954			
	DC	SN		25:40			0.04			0.954			
				26:13			0.27	0.27		0.975			
	DC	SN		26:22			0.07			0.980			
				26:54			27.15	27.15		1.000	37Cl-TCDD		CLS
				27:12			0.36	0.36		1.011			
				27:23			0.19	0.19		1.018			
				27:27			0.17	0.17		1.020			
				27:40			0.21	0.21		1.029			
	DC	SN		27:43			0.02			1.030			
	DC	SN		27:47			0.07			1.033			
				28:09			0.18	0.18		1.046			
328		8	Peaks				29.28						
13C12-TCDD				0.65-0.89					0.926-1.074				
332-334	DC	NL		Height			0.14	0.08	0.06				

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
N				26:40		0.84	548.64	250.87	297.77	0.991	13C12-1234-TCDD	RS1	
				26:54		0.84	239.47	109.00	130.47	1.000	13C12-2378-TCDD	IS1	
					Height		49.84	22.58	27.26				
				27:18		0.87	1.14	0.53	0.61	1.015			
				27:23	RO	0.60	1.10	0.48	0.80	1.018			
				27:27	RO	0.37	1.26	0.55	1.49	1.020			
				27:38	RO	0.46	1.06	0.46	0.99	1.027			
				28:07	RO	1.59	0.39	0.35	0.22	1.045			
332-334		7	Peaks				793.06						
---------- Above: TCDD / PeCDF Follows ----------													
PeCDF						1.32-1.78				0.929-1.061			
340-342	DC	NL				Height	0.11	0.05	0.06				
	DC	SN		31:05	RO	0.55	0.10			1.033			
	DC	SN		31:51	RO	0.31	0.07			1.059			
340-342		0	Peaks				0.00						
13C12-PeCDF						1.32-1.78				0.867-1.133			
352-354	DC	NL				Height	0.11	0.05	0.06				
				29:17	RO	0.65	0.69	0.42	0.65	0.973			
				30:05		1.58	262.19	160.62	101.57	1.000	13C12-PeCDF 123	IS2	
					Height		68.56	42.19	26.37				
				30:21	RO	1.96	5.99	4.60	2.35	1.009			
				30:33	RO	1.09	1.35	0.58	0.53	1.016			
				30:47		1.62	284.66	175.89	108.77	1.023	13C12-PeCDF 234	SUR1	
				31:15		1.39	0.67	0.39	0.28	1.039			
				31:22	RO	3.40	0.26	0.34	0.10	1.043			
				31:39	RO	0.67	0.20	0.12	0.18	1.052			
				31:51	RO	1.10	4.39	1.90	1.72	1.059			
352-354		9	Peaks				560.40						
---------- Above: PeCDF / PeCDD Follows ----------													
PeCDD						1.32-1.78				0.938-1.021			
356-358	DC	NL				Height	0.11	0.06	0.05				
	DC	SN		30:04	RO	2.88	0.20			0.967			
	DC	SN		30:59	RO	7.50	0.05			0.996			
356-358		0	Peaks				0.00						
13C12-PeCDD						1.32-1.78				0.871-1.129			
368-370	DC	NL				Height	0.11	0.06	0.05				
				30:03	RO	1.00	0.41	0.16	0.16	0.966			
				31:06		1.46	142.35	84.45	57.90	1.000	13C12-PeCDD 123	IS3	
					Height		36.28	20.90	15.38				
	DC	SN		31:59	RO	0.32	0.12			1.028			
368-370		2	Peaks				142.76						
---------- Above: PeCDD / HxCDF Follows ----------													
HxCDF						1.05-1.43				0.964-1.045			
374-376	DC	NL				Height	0.10	0.05	0.05				

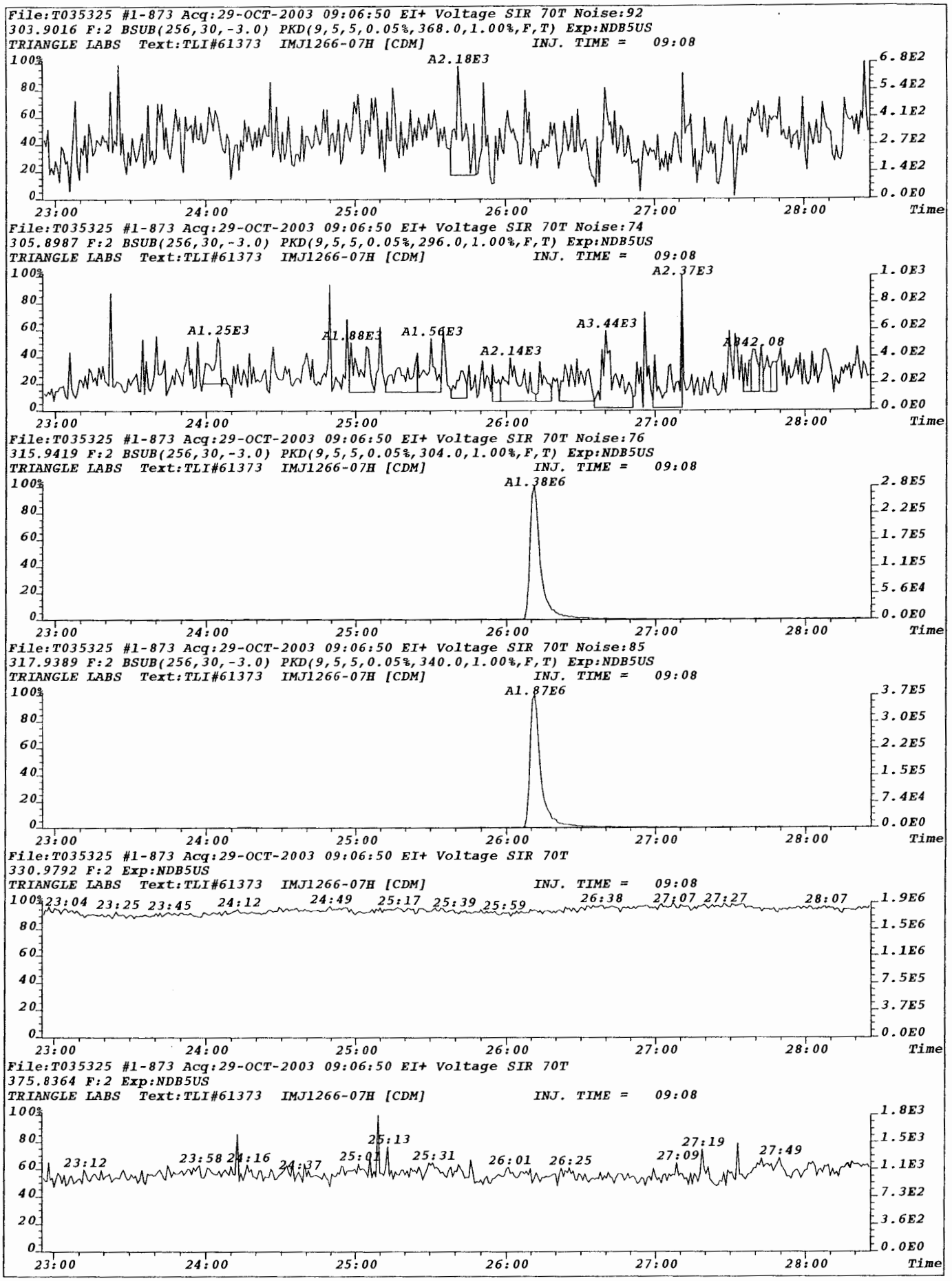
Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
	D	D	SN	33:30		1.25	0.27			0.998	123478-HxCDF		AN
	D	D	SN	33:37	RO	0.64	0.13			1.001	123678-HxCDF		AN
		DC	SN	34:01	RO	3.00	0.07			1.013	234678-HxCDF		AN
374-376			0 Peaks				0.00						
13C12-HxCDF				0.43-0.59					0.881-1.119				
384-386		DC	NL		Height		0.16	0.06	0.10				
				32:34		0.54	0.40	0.14	0.26	0.970			
				33:30		0.52	265.59	91.06	174.53	0.998	13C12-HxCDF 478		SUR2
				33:35		0.50	302.03	101.34	200.69	1.000	13C12-HxCDF 678		IS4
					Height		87.10	29.97	57.13				
				33:46	RO	0.97	4.06	1.37	1.41	1.005			
				34:05		0.51	278.41	94.38	184.03	1.015	13C12-HxCDF 234		ALT2
				34:22		0.43	0.53	0.16	0.37	1.023			
				34:27	RO	0.89	0.71	0.24	0.27	1.026			
				34:35	RO	1.14	0.44	0.33	0.29	1.030			
				34:52		0.51	229.98	77.98	152.00	1.038	13C12-HxCDF 789		ALT1
				35:15	RO	2.11	0.14	0.19	0.09	1.050			
				35:18	RO	2.22	0.14	0.20	0.09	1.051			
384-386			11 Peaks				1,082.43						
---------- Above: HxCDF / HxCDD Follows ----------													
HxCDD				1.05-1.43					0.960-1.014				
390-392		DC	NL		Height		0.10	0.05	0.05				
	D	D	SN	33:29	RO	1.69	0.29			0.978			
	D	D	SN	33:35		1.35	0.54			0.981			
	D	D	SN	33:43		1.13	0.17			0.984			
		DC	SN	33:53	RO	1.67	0.07			0.989			
		DC	SN	34:04	RO	3.21	0.31			0.995			
	D	D	SN	34:11	RO	0.59	0.18			0.998	123478-HxCDD		AN
	D	D	SN	34:35	RO	0.65	0.20			1.010	123789-HxCDD		AN
		DC	SN	34:42		1.40	0.12			1.013			
		DC	WH	34:46	RO	0.80	0.07			1.015			
		DC	WH	34:51	RO	1.62	0.29			1.018			
390-392			0 Peaks				0.00						
13C12-HxCDD				1.05-1.43					0.971-1.029				
402-404		DC	NL		Height		0.11	0.05	0.06				
				33:42		1.35	1.95	1.12	0.83	0.984			
				34:10		1.18	199.48	108.10	91.38	0.998	13C12-HxCDD 478		SUR3
				34:15		1.21	225.81	123.49	102.32	1.000	13C12-HxCDD 678		IS5
					Height		65.45	35.15	30.30				
				34:27	RO	0.90	1.68	0.93	1.03	1.006			
				34:35		1.20	440.44	240.15	200.29	1.010	13C12-HxCDD 789		RS2
				34:52	RO	0.93	1.28	0.71	0.76	1.018			
				35:01	RO	0.20	0.25	0.14	0.71	1.022			
402-404			7 Peaks				870.89						
---------- Above: HxCDD / HpCDF Follows ----------													

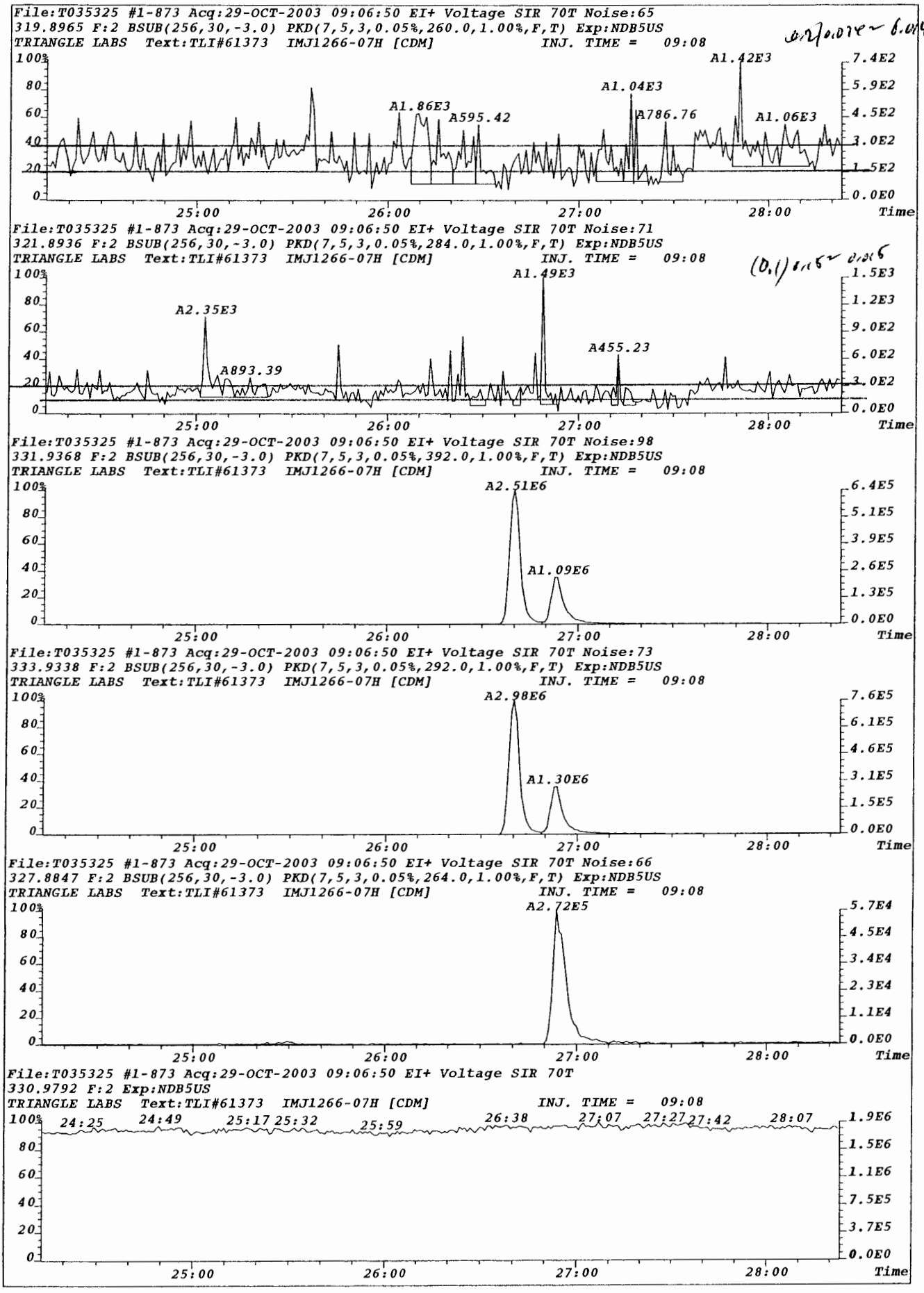
Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
HpCDF				0.88-1.20						0.996-1.047			
408-410	DC	NL		Height			0.10	0.05	0.05				
	DC	WL		36:19	RO	1.75	0.16			0.995			
D	D	SN		36:29	RO	1.83	0.37			1.000	1234678-HpCDF	AN	
408-410		0	Peaks				0.00						
13C12-HpCDF				0.37-0.51						0.945-1.110			
418-420	DC	NL		Height			0.14	0.06	0.08				
				36:30		0.43	194.98	58.46	136.52	1.000	13C12-HpCDF 678	IS6	
				Height			48.39	14.12	34.27				
				38:02		0.43	159.66	47.98	111.68	1.042	13C12-HpCDF 789	SUR4	
				38:28	RO	0.55	0.69	0.21	0.38	1.054			
	DC	SN		38:33	RO	0.06	0.10			1.056			
418-420		3	Peaks				355.33						
---------- Above: HpCDF / HpCDD Follows ----------													
HpCDD				0.88-1.20						0.976-1.005			
424-426	DC	NL		Height			0.10	0.05	0.05				
	DC	SN		36:52	RO	2.62	0.27			0.983			
	DC	SN		37:03		1.08	0.25			0.988			
	DC	SN		37:09	RO	3.50	0.04			0.990			
	DC	SN		37:18	RO	0.23	0.06			0.994			
	DC	SN		37:24	RO	2.33	0.06			0.997			
	DC	WH		38:03	RO	2.08	0.49			1.014			
424-426		0	Peaks				0.00						
13C12-HpCDD				0.88-1.20						0.973-1.027			
436-438	DC	NL		Height			0.15	0.08	0.07				
				36:53	RO	0.67	0.27	0.14	0.21	0.983			
				37:31		1.03	174.13	88.40	85.73	1.000	13C12-HpCDD 678	IS7	
				Height			42.48	21.65	20.83				
				37:52	RO	1.29	0.57	0.36	0.28	1.009			
436-438		3	Peaks				174.97						
---------- Above: HpCDD / Octa-CDD and CDF Follows ----------													
OCDF				0.76-1.02						0.903-1.097			
442-444	DC	NL		Height			0.10	0.05	0.05				
				40:00	RO	0.50	0.21	0.10	0.20	0.972			
	DC	SN		40:13	RO	2.00	0.08			0.977			
				40:25	RO	1.50	0.15	0.12	0.08	0.982			
	DC	SN		40:33	RO	1.17	0.11			0.985			
				41:26	RO	1.21	0.53	0.34	0.28	1.006			
	DC	SN		43:28	RO	2.67	0.06			1.056			
	DC	SN		43:48	RO	0.75	0.25			1.064			
442-444		3	Peaks				0.89						
OCDD				0.76-1.02						0.903-1.097			
458-460	DC	NL		Height			0.09	0.05	0.04				
MD	d	SN		41:12		0.99	1.37			1.001	OCDD	AN	
	DC	SN		41:23	RO	0.36	0.11			1.005			

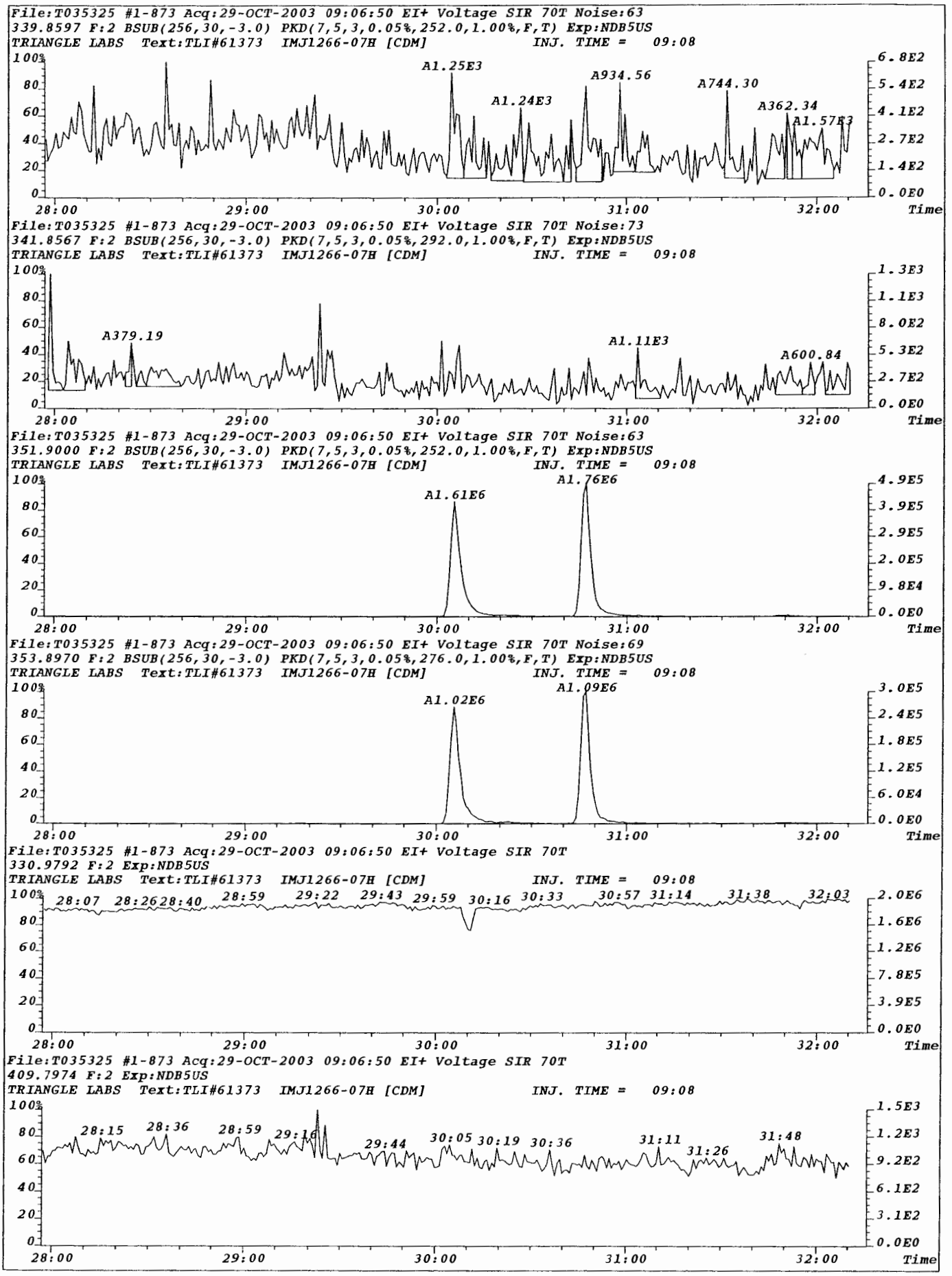
Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
458-460			0 Peaks				0.00						
13C12-OCDD				0.76-1.02						0.997-1.005			
470-472		DC	NL			Height	0.10	0.05	0.05				
				41:10		0.86	237.78	110.09	127.69	1.000	13C12-OCDD		IS8
						Height	45.13	20.25	24.88				
470-472			1 Peak				237.78						

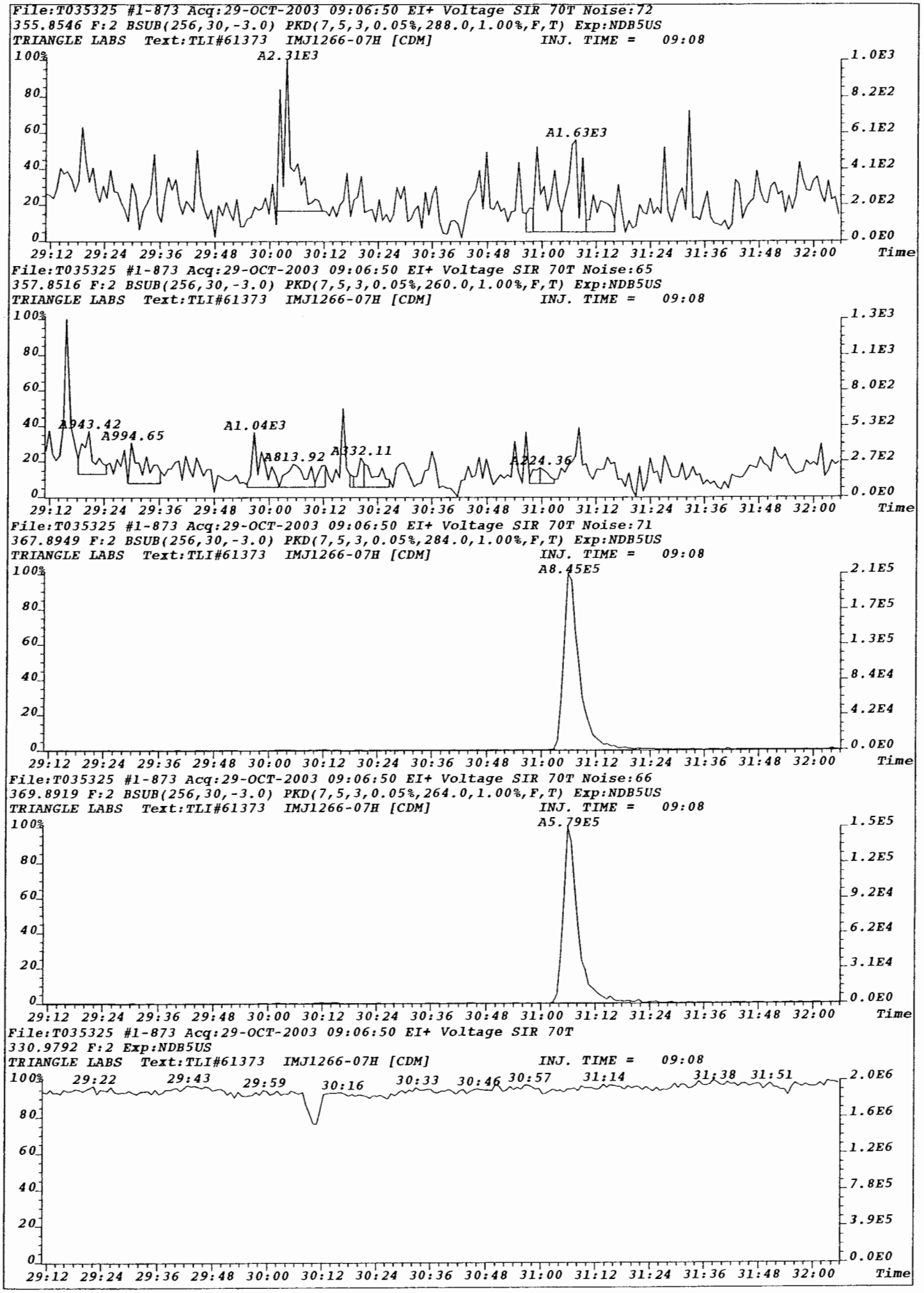
Column Description.....	"Why" Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.1 -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

*** End of Report ***


File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:92
303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,368.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.18E3
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:74
305.8987 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,296.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.37E3
A1.25E3
A1.88E3
A1.56E3
A3.44E3
A2.14E3
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:76
315.9419 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,304.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.38E6
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:85
317.9389 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,340.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.87E6
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
375.8364 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
Time


File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:65
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.86E3
A595.42
A1.04E3
A786.76
A1.42E3
A1.06E3
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:71
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.35E3
A893.39
A1.49E3
A455.23
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:98
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,392.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.51E6
A1.09E6
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:73
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,292.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.98E6
A1.30E6
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:66
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.72E5
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
24:25
24:49
25:17
25:32
25:59
26:38
27:07
27:27
27:42
28:07
25:00
26:00
27:00
28:00
Time


File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:63
339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.25E3
A1.24E3
A934.56
A744.30
A362.34
A1.57E3
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:73
341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,292.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A379.19
A1.11E3
A600.84
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:63
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.61E6
A1.76E6
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:69
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.02E6
A1.09E6
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
Time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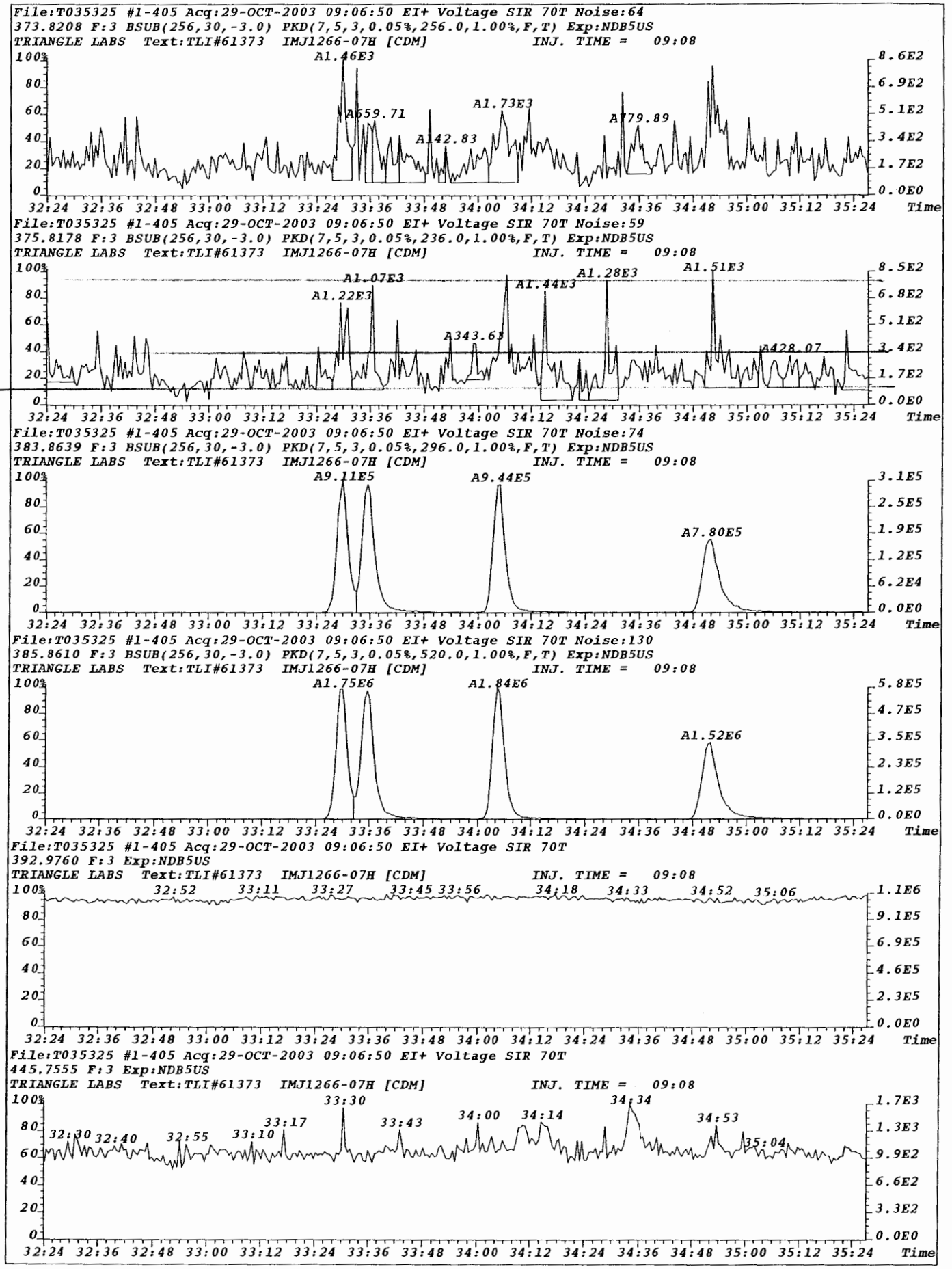
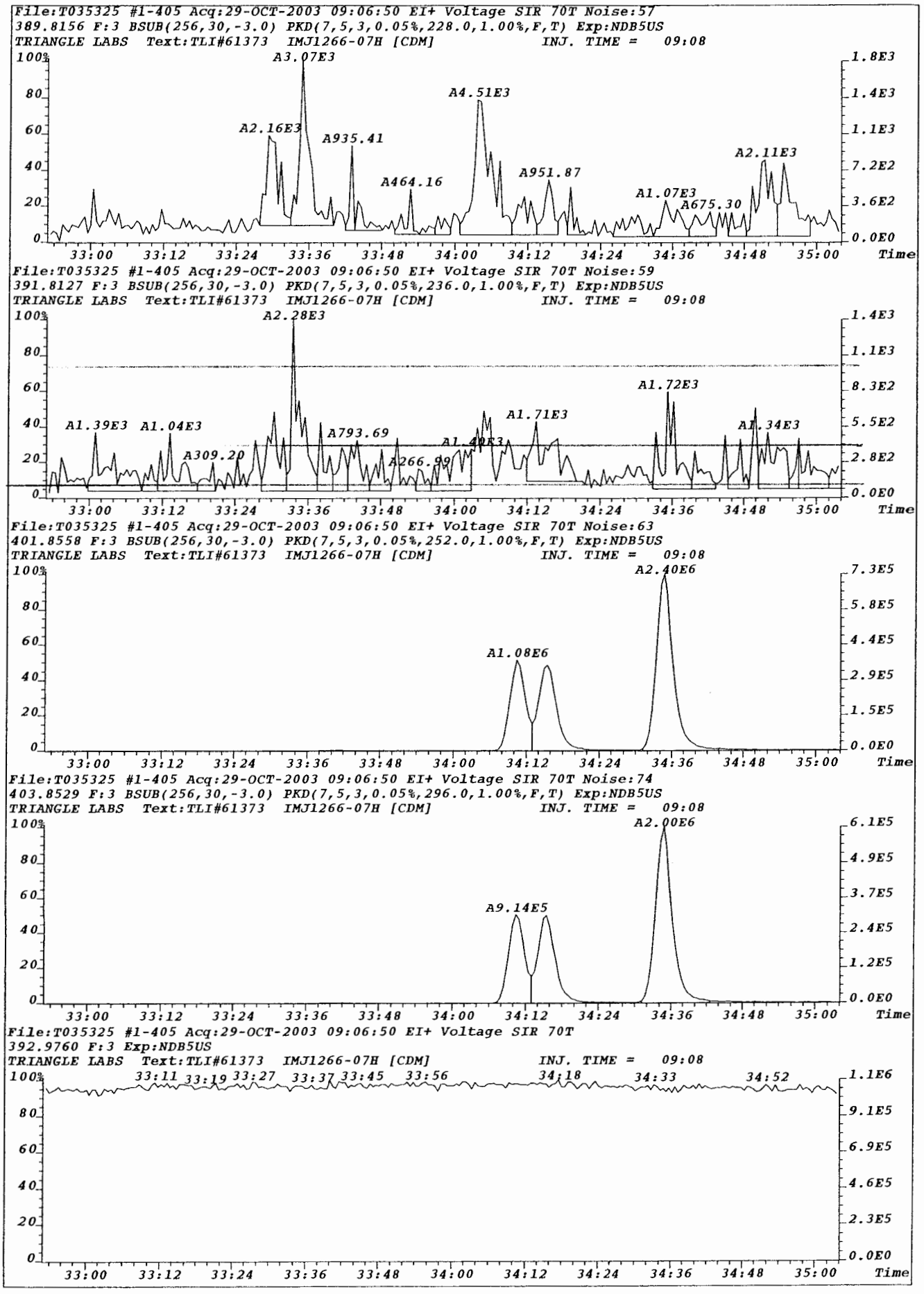
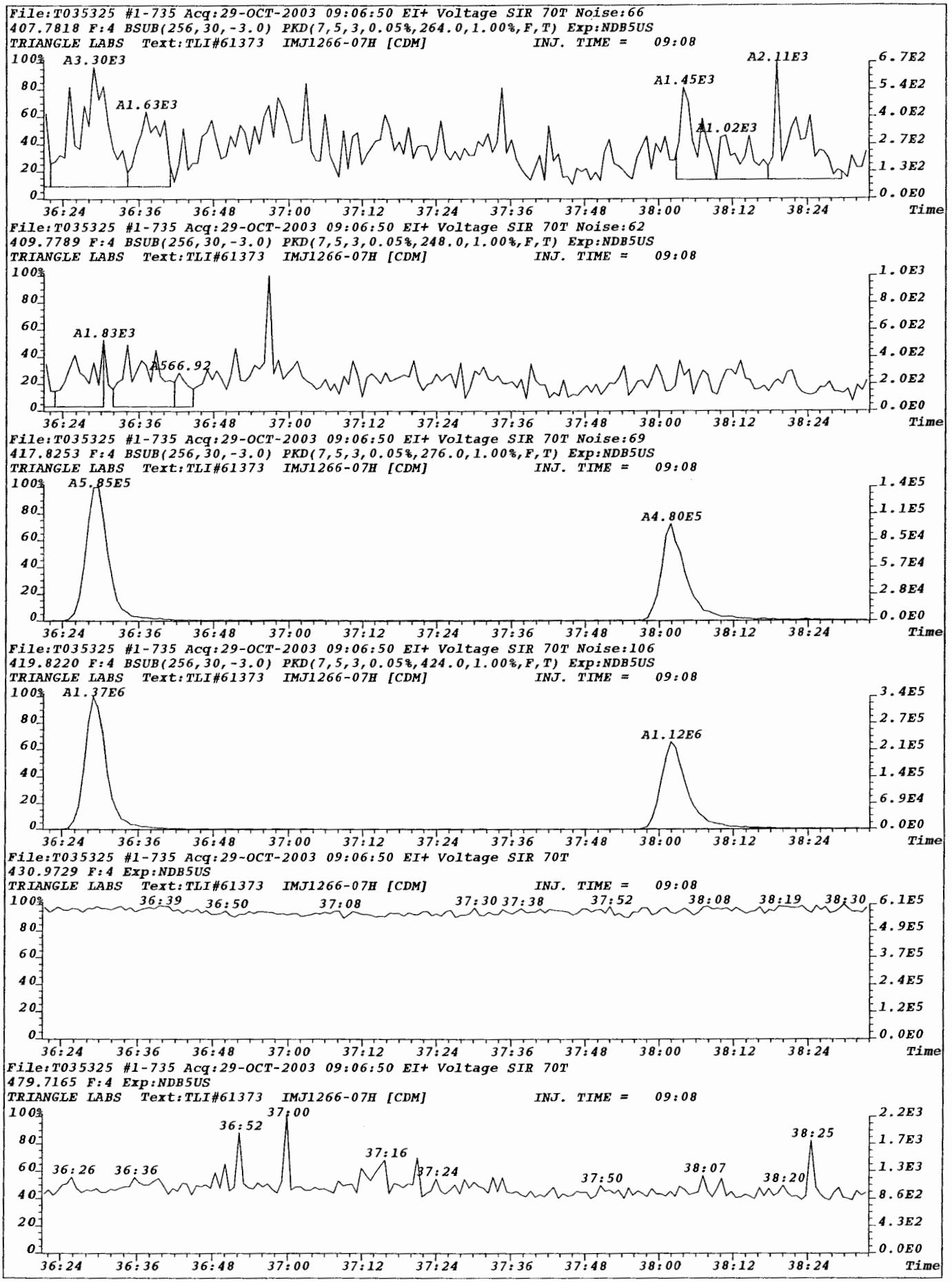
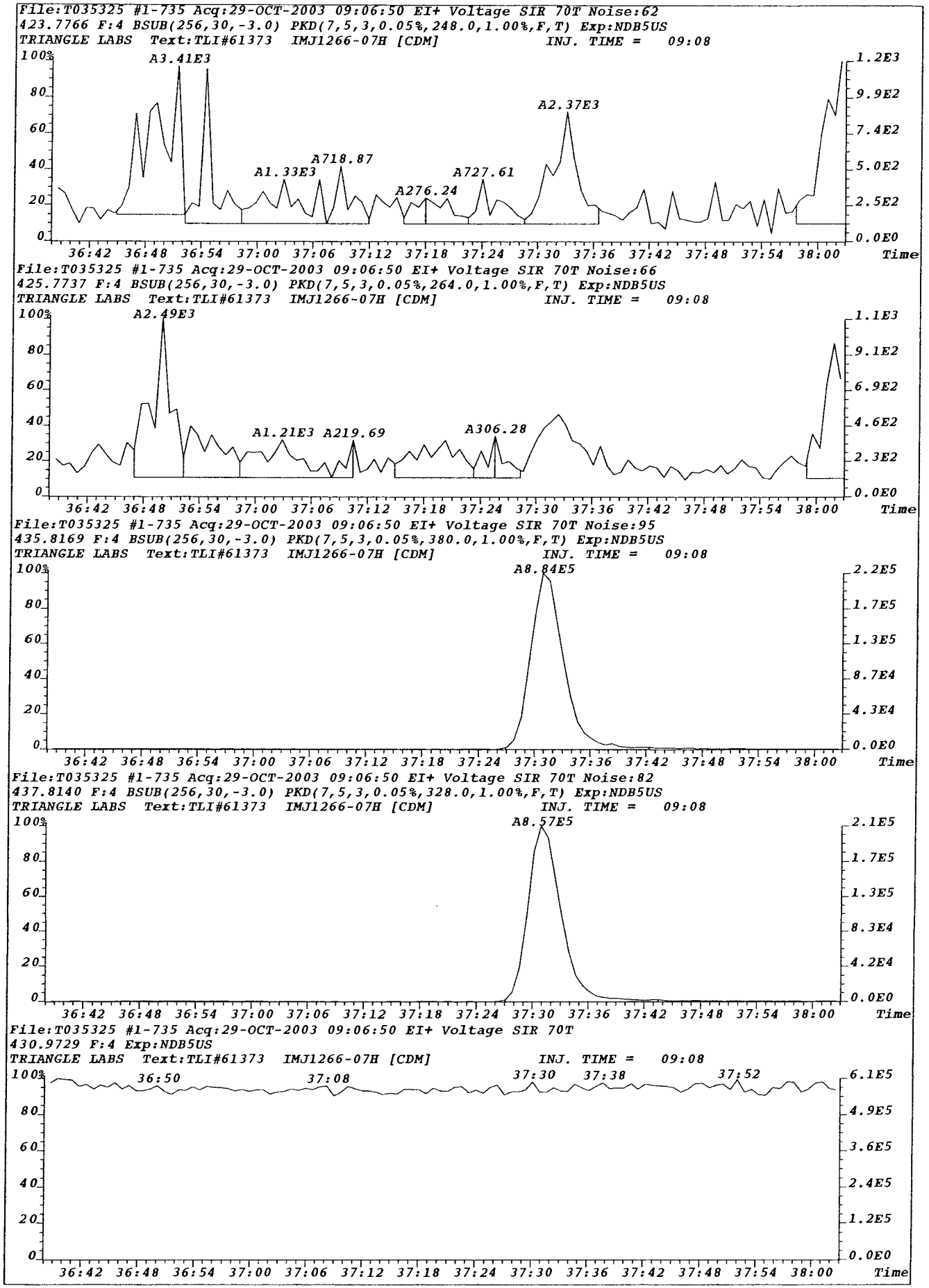
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.31E3
A1.63E3
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:65
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A943.42
A994.65
A1.04E3
A813.92
A832.11
A224.36
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:71
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A8.45E5
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:66
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A5.79E5
File:T035325 #1-873 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
29:22 29:43 29:59 30:16 30:33 30:46 30:57 31:14 31:38 31:51
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00
Time


File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:64
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,256.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.46E3
A659.71
A1.73E3
A779.89
A742.83
File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:59
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.07E3
A1.22E3
A1.44E3
A1.28E3
A1.51E3
A343.63
A428.07
File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:74
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,296.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A9.11E5
A9.44E5
A7.80E5
File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:130
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,520.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.75E6
A1.84E6
A1.52E6
File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
Time


File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:57
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A3.07E3
A2.16E3
A935.41
A4.51E3
A464.16
A951.87
A1.07E3
A675.30
A2.11E3
File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:59
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.28E3
A1.39E3
A1.04E3
A309.20
A793.69
A266.99
A1.71E3
A1.72E3
A1.34E3
File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:63
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.40E6
A1.08E6
File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:74
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,296.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.00E6
A9.14E5
File:T035325 #1-405 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
33:11 33:19 33:27 33:37 33:45 33:56 34:18 34:33 34:52
33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time


File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:66
407.7818 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A3.30E3
A1.63E3
A1.45E3
A2.11E3
A1.02E3
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:62
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.83E3
A566.92
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:69
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A5.85E5
A4.80E5
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:106
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,424.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.37E6
A1.12E6
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
Time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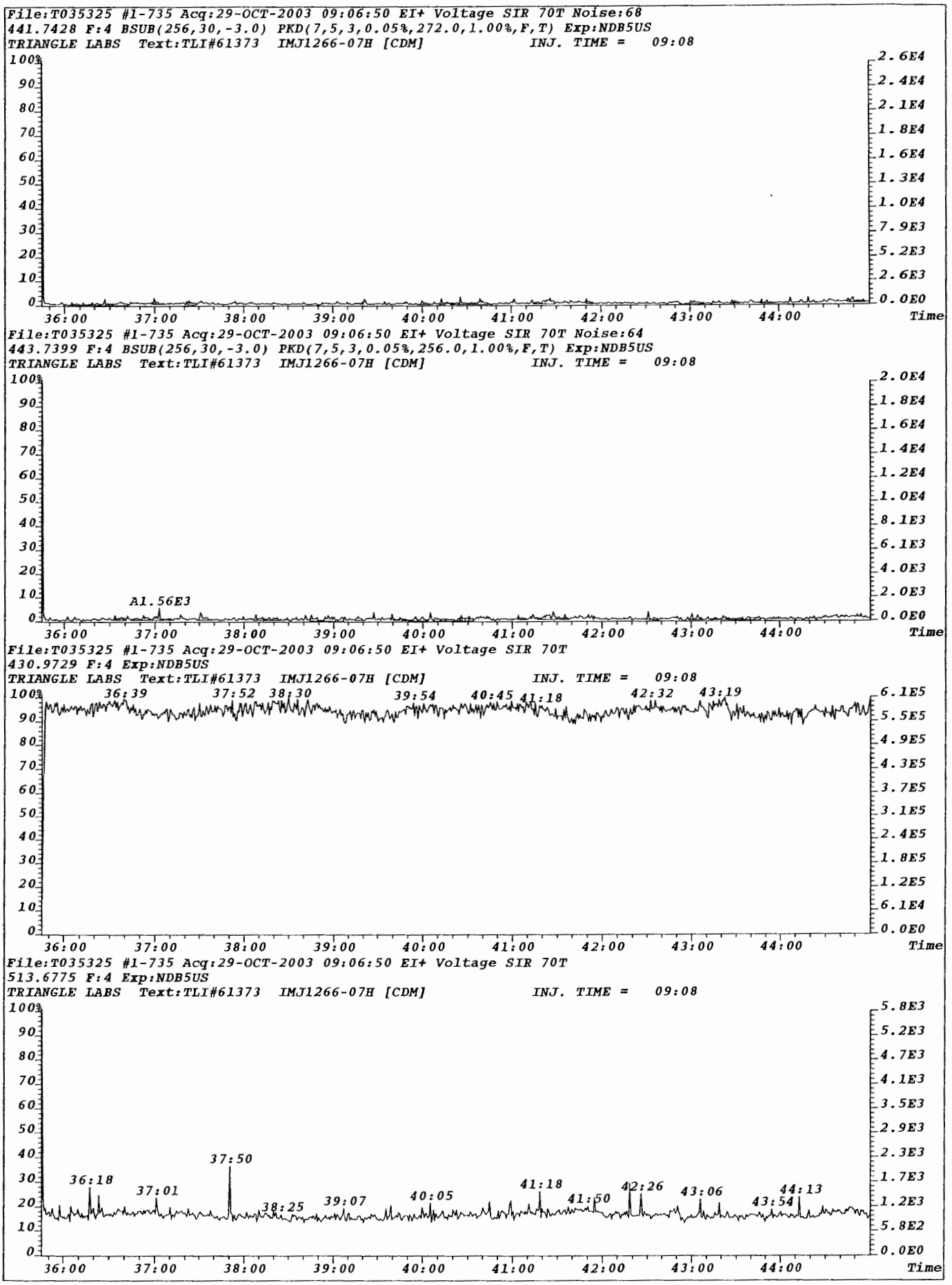
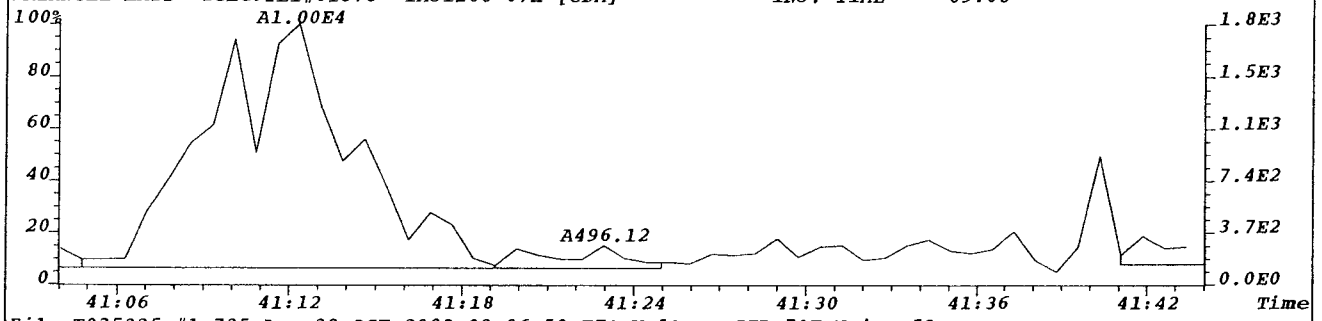
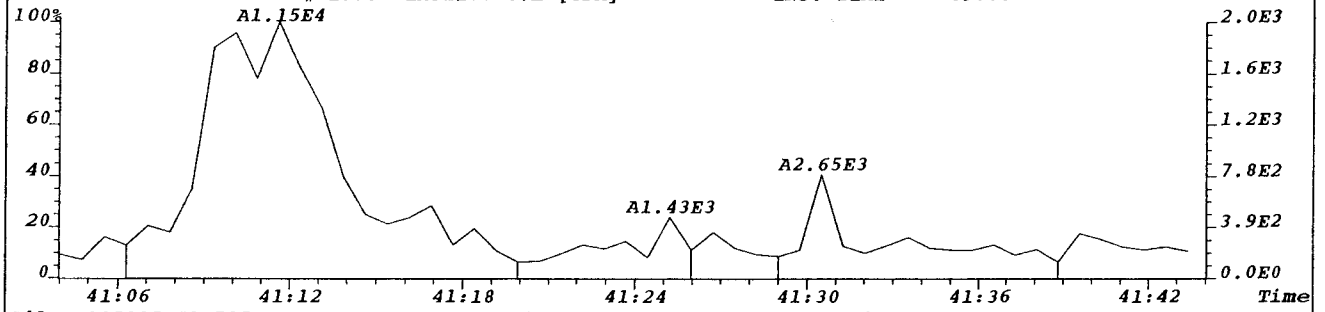
423.7766 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A3.41E3
A2.37E3
A718.87
A1.33E3
A727.61
A276.24
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:66
425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A2.49E3
A1.21E3
A219.69
A306.28
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:95
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,380.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A8.84E5
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:82
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,328.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A8.57E5
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
36:50
37:08
37:30
37:38
37:52
36:42 36:48 36:54 37:00 37:06 37:12 37:18 37:24 37:30 37:36 37:42 37:48 37:54 38:00
Time


File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:68
441.7428 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:64
443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,256.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
A1.56E3
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
36:39 37:52 38:30 39:54 40:45 41:18 42:32 43:19
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08
36:18 37:01 37:50 38:25 39:07 40:05 41:18 41:50 42:26 43:06 43:54 44:13
36:00 37:00 38:00 39:00 40:00 41:00 42:00 43:00 44:00 Time

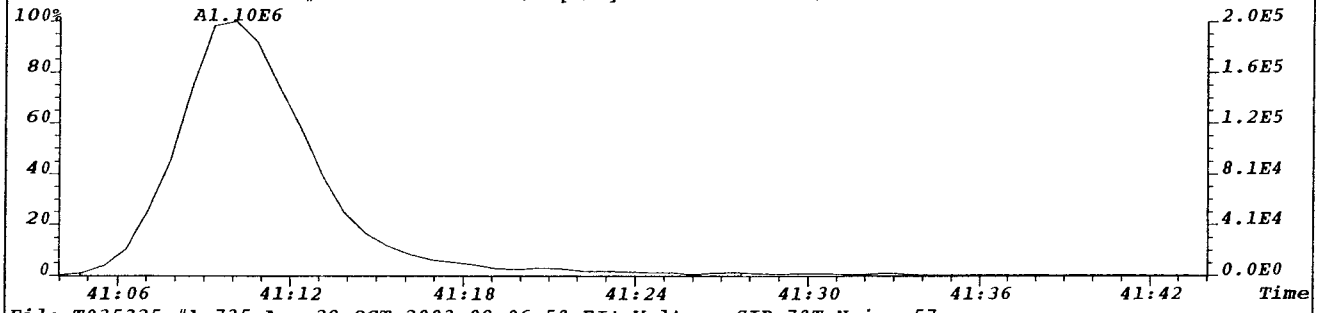
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:58
457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,232.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08



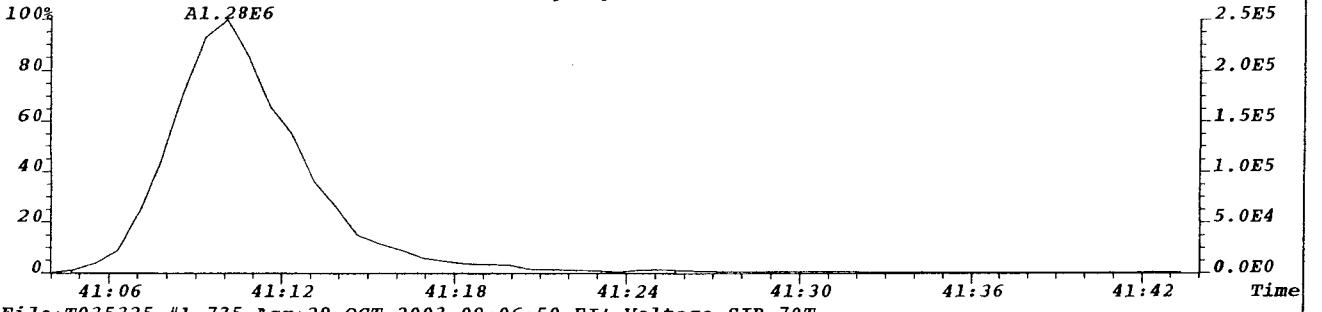
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:52
459.7348 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,208.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08



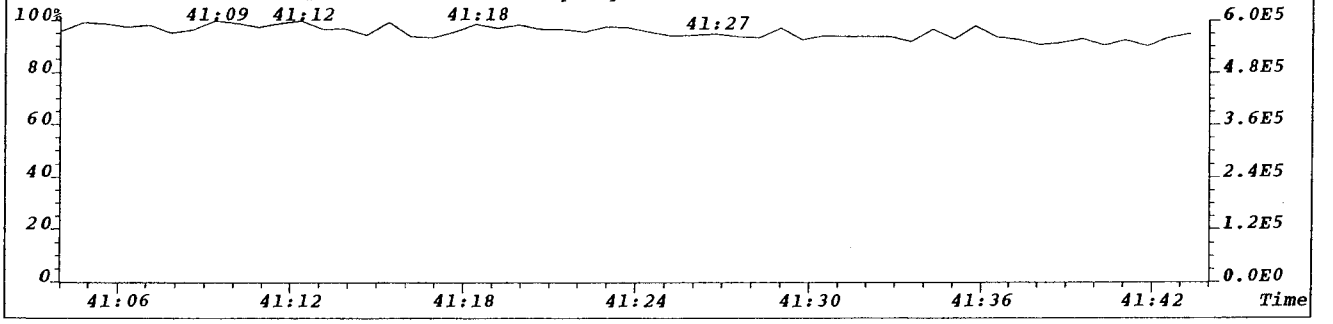
File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:63
469.7779 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08

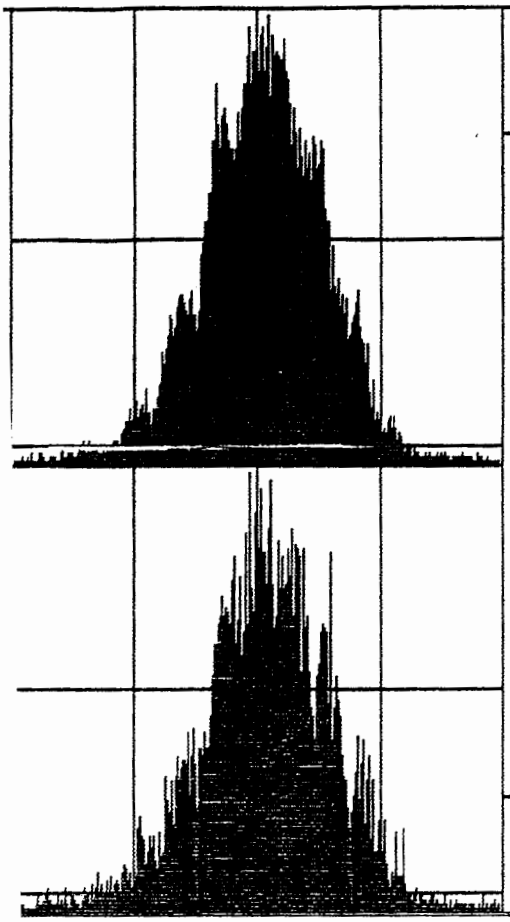


File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T Noise:57
471.7750 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08



File:T035325 #1-735 Acq:29-OCT-2003 09:06:50 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-07H [CDM] INJ. TIME = 09:08





Channel I 330.9792 Peak top
Height .36 volts Span 200 ppm

System file name	NDB5US
Data file name	A:T029031
Resolution	10000
Group number	2
Ionization mode	EI+
Switching	VOLTAGE
Ref. masses	292.9825, 416.9760

A	293	J	331	S	368
B	304	K	332	T	370
C	306	L	334	U	376
D	316	M	340	V	410
E	318	N	342		
F	320	O	352		
G	322	P	354		
H	328	Q	356		
I	331	R	358		

Ref. mass 416.9760 Peak top
Height .06 volts Span 200 ppm

Del Mar Analytical

TLI Project: **61373** — Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **IMJ1266-08H [CDM]** — Analysis File: **T035326**

Client Project:	**2003 Prices, Sequoia Network**				
Sample Matrix:	**WATER**	Date Received:	**10/24/2003**	Spike File:	**SPMIT32S**
TLI ID:	**365-63-7A**	Date Extracted:	**10/26/2003**	ICal:	**TF53183**
		Date Analyzed:	**10/29/2003**	ConCal:	**T035313**
Sample Size:	**0.990 L**	Dilution Factor:	**n/a**	% Moisture:	**n/a**
Dry Weight:	**n/a**	Blank File:	**T035314**	% Lipid:	**n/a**
GC Column:	**DB-5**	Analyst:	**VSC**	% Solids:	**n/a**

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	ND	2.9				
1,2,3,7,8-PeCDD	ND	4.7				
1,2,3,4,7,8-HxCDD	ND	3.0				
1,2,3,6,7,8-HxCDD	ND	2.7				
1,2,3,7,8,9-HxCDD	ND	3.0				
1,2,3,4,6,7,8-HpCDD	ND	5.0				
1,2,3,4,6,7,8,9-OCDD	EMPC		16.9			J
2,3,7,8-TCDF	ND	2.2				
1,2,3,7,8-PeCDF	ND	2.1				
2,3,4,7,8-PeCDF	ND	2.6				
1,2,3,4,7,8-HxCDF	ND	2.0				
1,2,3,6,7,8-HxCDF	ND	1.9				
2,3,4,6,7,8-HxCDF	ND	1.9				
1,2,3,7,8,9-HxCDF	ND	2.3				
1,2,3,4,6,7,8-HpCDF	ND	2.6				
1,2,3,4,7,8,9-HpCDF	ND	3.2				
1,2,3,4,6,7,8,9-OCDF	ND	7.3				

Totals	Conc. (pg/L)	Number	DL	EMPC	Flags
Total TCDD	ND		2.9		
Total PeCDD	ND		4.7		
Total HxCDD	ND		2.9		
Total HpCDD	ND		5.0		
Total TCDF	ND		2.2		
Total PeCDF	ND		2.3		
Total HxCDF	ND		2.0		
Total HpCDF	ND		2.9		

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 11:24 10/29/2003

TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)

Client Sample: **IMJ1266-08H [CDM]** Analysis File: **T035326**

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,7,8-TCDF	736	36.4	40%-135%	0.73	26:11	V___
$^{13}C_{12}$-2,3,7,8-TCDD	770	38.1	40%-135%	0.83	26:53	V___
$^{13}C_{12}$-1,2,3,7,8-PeCDF	740	36.6	40%-135%	1.63	30:05	V___
$^{13}C_{12}$-1,2,3,7,8-PeCDD	618	30.6	40%-135%	1.40	31:06	V___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	858	42.5	40%-135%	0.52	33:35	___
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	789	39.1	40%-135%	1.19	34:15	V___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDF	821	40.6	40%-135%	0.43	36:29	___
$^{13}C_{12}$-1,2,3,4,6,7,8-HpCDD	780	38.6	40%-135%	1.04	37:32	V___
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	1210	29.8	40%-135%	0.86	41:10	V___

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	806	39.9	40%-135%	1.58	30:46	V___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	831	41.1	40%-135%	0.49	33:30	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	753	37.3	40%-135%	1.18	34:10	V___
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	774	38.3	40%-135%	0.42	38:03	V___

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	85.2	42.2	40%-135%	26:54	___

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	747	37.0	40%-135%	0.50	34:51	V___
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	794	39.3	40%-135%	0.51	34:04	V___

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.82	26:39	___
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.21	34:35	___

Data Reviewer: _____ 10/29/2003

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 11:24 10/29/2003

Initial ....Date...

Data Review By: [signature] 10/28/03

Calculated Noise Height: 0.03

The Total Area for each peak with an ion abundance ratio outside ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035326B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF						0.65-0.89				0.875-1.073			
304-306	DC	NL				Height	0.11	0.07	0.04				
D	D	SN		23:31		0.83	0.42			0.898			
	DC	SN		24:09	RO	2.50	0.07			0.922			
	DC	SN		25:27	RO	3.14	0.12			0.972			
D	D	SN		26:55	RO	1.44	0.32			1.028			
304-306			0 Peaks				0.00						
13C12-TCDF						0.65-0.89				0.962-1.038			
316-318	DC	NL				Height	0.11	0.05	0.06				
	DC	WL		23:45	RO	0.53	0.23			0.907			
	DC	WL		24:16		0.74	1.29			0.927			
				26:11		0.73	279.94	118.50	161.44	1.000	13C12-2378-TCDF	ISO	
						Height	59.54	25.49	34.05				
	DC	WH		27:52	RO	0.50	0.32			1.064			
316-318			1 Peak				279.94						
---------- Above: TCDF / TCDD Follows ----------													
TCDD						0.65-0.89				0.900-1.043			
320-322	DC	NL				Height	0.09	0.04	0.05				
	DC	SN		26:02		0.75	0.21			0.968			
	DC	SN		26:12	RO	5.50	0.07			0.975			
	DC	SN		26:58		0.80	0.09			1.003			
	DC	SN		27:14	RO	0.95	0.41			1.013			
	DC	SN		27:48	RO	0.46	0.14			1.034			
	DC	WH		28:07		0.69	0.22			1.046			
320-322			0 Peaks				0.00						
37C1-TCDD										0.926-1.074			
328	DC	NL				Height	0.05	0.05					
				25:28			0.83	0.83		0.947			
	DC	SN		25:58			0.07			0.966			
				26:00			0.13	0.13		0.967			
				26:54			26.17	26.17		1.001	37C1-TCDD	CLS	
				27:15			0.42	0.42		1.014			
				27:18			0.30	0.30		1.015			
				27:24			0.11	0.11		1.019			
				27:27			0.21	0.21		1.021			
	DC	SN		27:48			0.04			1.034			
	DC	SN		27:51			0.03			1.036			
	DC	SN		27:54			0.06			1.038			
	DC	SN		27:56			0.11			1.039			
	DC	SN		28:06			0.18			1.045			

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
				28:22			0.09	0.09		1.055			
328			8 Peaks				28.26						
13C12-TCDD				0.65-0.89						0.926-1.074			
332-334		DC	NL			Height	0.13	0.08	0.05				
N				26:39		0.82	568.13	256.40	311.73	0.991	13C12-1234-TCDD	RS1	
				26:53		0.83	202.81	92.27	110.54	1.000	13C12-2378-TCDD	IS1	
						Height	41.18	18.92	22.26				
				27:22	RO	0.44	0.94	0.41	0.94	1.018			
				27:40		0.72	0.74	0.31	0.43	1.029			
				27:52		0.81	0.65	0.29	0.36	1.037			
				28:00	RO	0.35	0.28	0.12	0.34	1.042			
332-334			6 Peaks				773.55						
---------- Above: TCDD / PeCDF Follows ----------													
PeCDF				1.32-1.78						0.929-1.061			
340-342		DC	NL			Height	0.09	0.04	0.05				
		DC	SN	28:52	RO	13.00	0.03			0.960			
		DC	SN	30:47	RO	0.43	0.20			1.023	23478-PeCDF	AN	
		DC	SN	31:54	RO	5.67	0.08			1.060			
340-342			0 Peaks				0.00						
13C12-PeCDF				1.32-1.78						0.867-1.133			
352-354		DC	NL			Height	0.10	0.05	0.05				
				29:17	RO	0.59	0.36	0.22	0.37	0.973			
				30:05		1.63	227.25	140.86	86.39	1.000	13C12-PeCDF 123	IS2	
						Height	57.51	35.29	22.22				
				30:22	RO	2.02	5.15	4.08	2.02	1.009			
				30:37	RO	0.71	0.39	0.24	0.34	1.018			
				30:46		1.58	226.85	138.98	87.87	1.023	13C12-PeCDF 234	SUR1	
				31:17	RO	3.45	0.74	1.00	0.29	1.040			
				31:23	RO	4.09	0.28	0.45	0.11	1.043			
				31:29	RO	0.46	0.21	0.13	0.28	1.047			
352-354			8 Peaks				461.23						
---------- Above: PeCDF / PeCDD Follows ----------													
PeCDD				1.32-1.78						0.938-1.021			
356-358		DC	NL			Height	0.08	0.04	0.04				
		DC	SN	29:27	RO	0.45	0.16			0.947			
356-358			0 Peaks				0.00						
13C12-PeCDD				1.32-1.78						0.871-1.129			
368-370		DC	NL			Height	0.09	0.05	0.04				
				30:00	RO	2.00	0.20	0.16	0.08	0.965			
				30:12	RO	0.92	0.59	0.36	0.39	0.971			
				31:06		1.40	110.54	64.52	46.02	1.000	13C12-PeCDD 123	IS3	
						Height	27.13	15.70	11.43				
				31:55	RO	2.25	0.31	0.27	0.12	1.026			
368-370			4 Peaks				111.64						

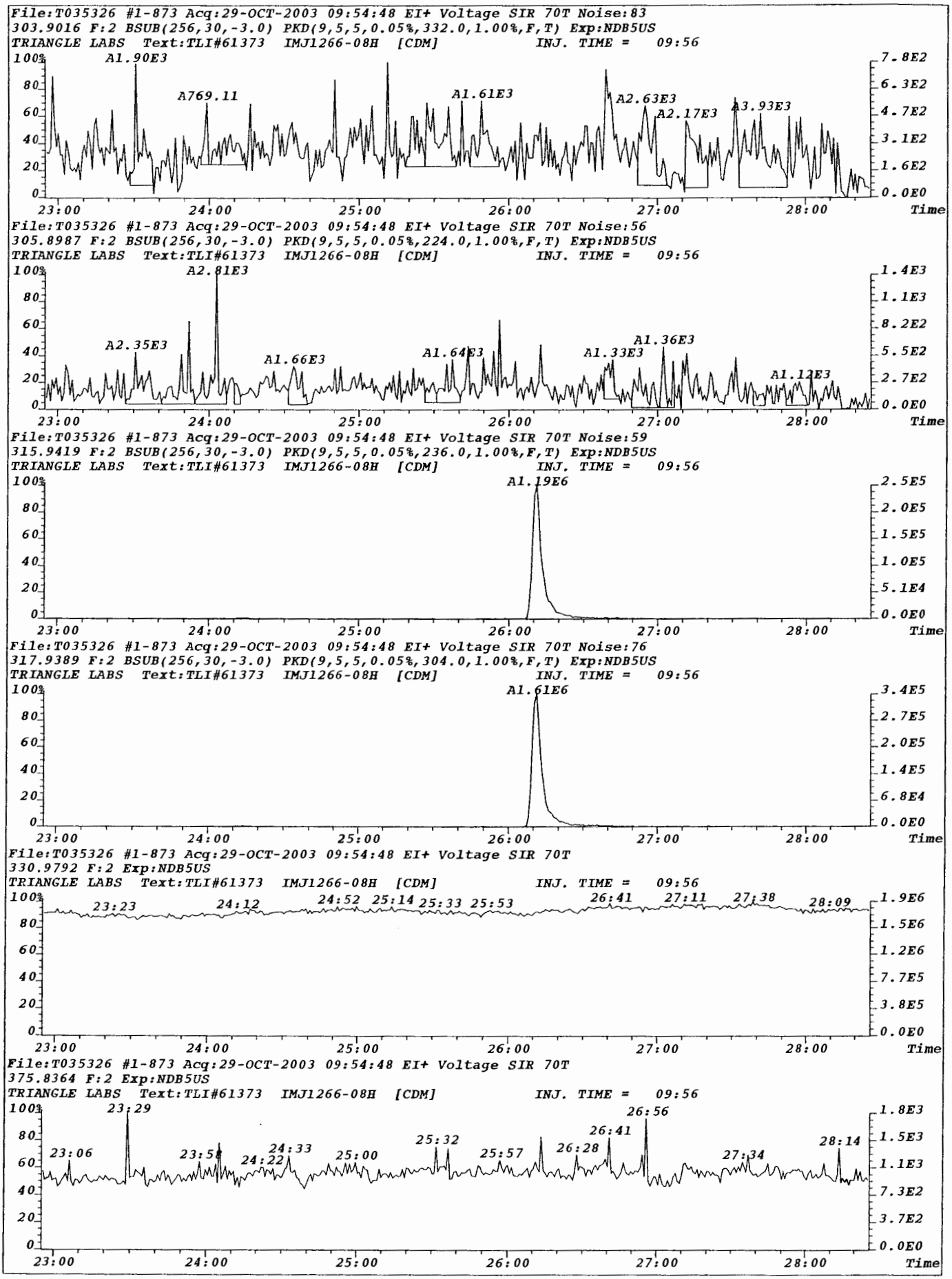
Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
---------- Above: PeCDD / HxCDF Follows ----------													
HxCDF				1.05-1.43						0.964-1.045			
374-376	DC	NL		Height			0.10	0.05	0.05				
	DC	SN		34:15		1.17	0.26			1.020			
	DC	SN		34:39	RO	2.00	0.11			1.032			
	DC	SN		34:50	RO	0.38	0.05			1.037	123789-HxCDF		AN
374-376				0 Peaks			0.00						
13C12-HxCDF				0.43-0.59						0.881-1.119			
384-386	DC	NL		Height			0.23	0.12	0.11				
				33:30		0.49	214.49	70.37	144.12	0.998	13C12-HxCDF 478		SUR2
				33:35		0.52	239.87	82.15	157.72	1.000	13C12-HxCDF 678		IS4
				Height			66.44	21.68	44.76				
				34:04		0.51	220.28	74.01	146.27	1.014	13C12-HxCDF 234		ALT2
				34:12		0.52	2.84	0.97	1.87	1.018			
				34:23	RO	0.66	1.04	0.35	0.53	1.024			
				34:32	RO	0.30	0.80	0.27	0.89	1.028			
	DC	SN		34:42	RO	1.11	0.14			1.033			
				34:51		0.50	179.24	59.82	119.42	1.038	13C12-HxCDF 789		ALT1
				35:14	RO	0.35	1.01	0.34	0.96	1.049			
				35:19		0.48	0.46	0.15	0.31	1.052			
				35:24	RO	0.37	0.50	0.17	0.46	1.054			
				35:25		0.44	0.13	0.04	0.09	1.055			
				35:28	RO	2.00	0.12	0.16	0.08	1.056			
384-386				12 Peaks			860.78						
---------- Above: HxCDF / HxCDD Follows ----------													
HxCDD				1.05-1.43						0.960-1.014			
390-392	DC	NL		Height			0.11	0.05	0.06				
D	D	SN		33:30		1.27	0.34			0.978			
D	D	SN		33:35	RO	1.64	0.31			0.981			
390-392				0 Peaks			0.00						
13C12-HxCDD				1.05-1.43						0.971-1.029			
402-404	DC	NL		Height			0.10	0.05	0.05				
				33:41		1.40	1.20	0.70	0.50	0.983			
				34:10		1.18	153.09	82.74	70.35	0.998	13C12-HxCDD 478		SUR3
				34:15		1.19	175.07	95.06	80.01	1.000	13C12-HxCDD 678		IS5
				Height			51.64	27.49	24.15				
				34:26	RO	1.89	1.37	1.15	0.61	1.005			
				34:35		1.21	438.49	239.76	198.73	1.010	13C12-HxCDD 789		RS2
				34:59		1.09	1.21	0.63	0.58	1.021			
402-404				6 Peaks			770.43						
---------- Above: HxCDD / HpCDF Follows ----------													
HpCDF				0.88-1.20						0.996-1.047			
408-410	DC	NL		Height			0.09	0.05	0.04				
D	D	NH		36:33	RO	2.00	0.18			1.002			
408-410				0 Peaks			0.00						

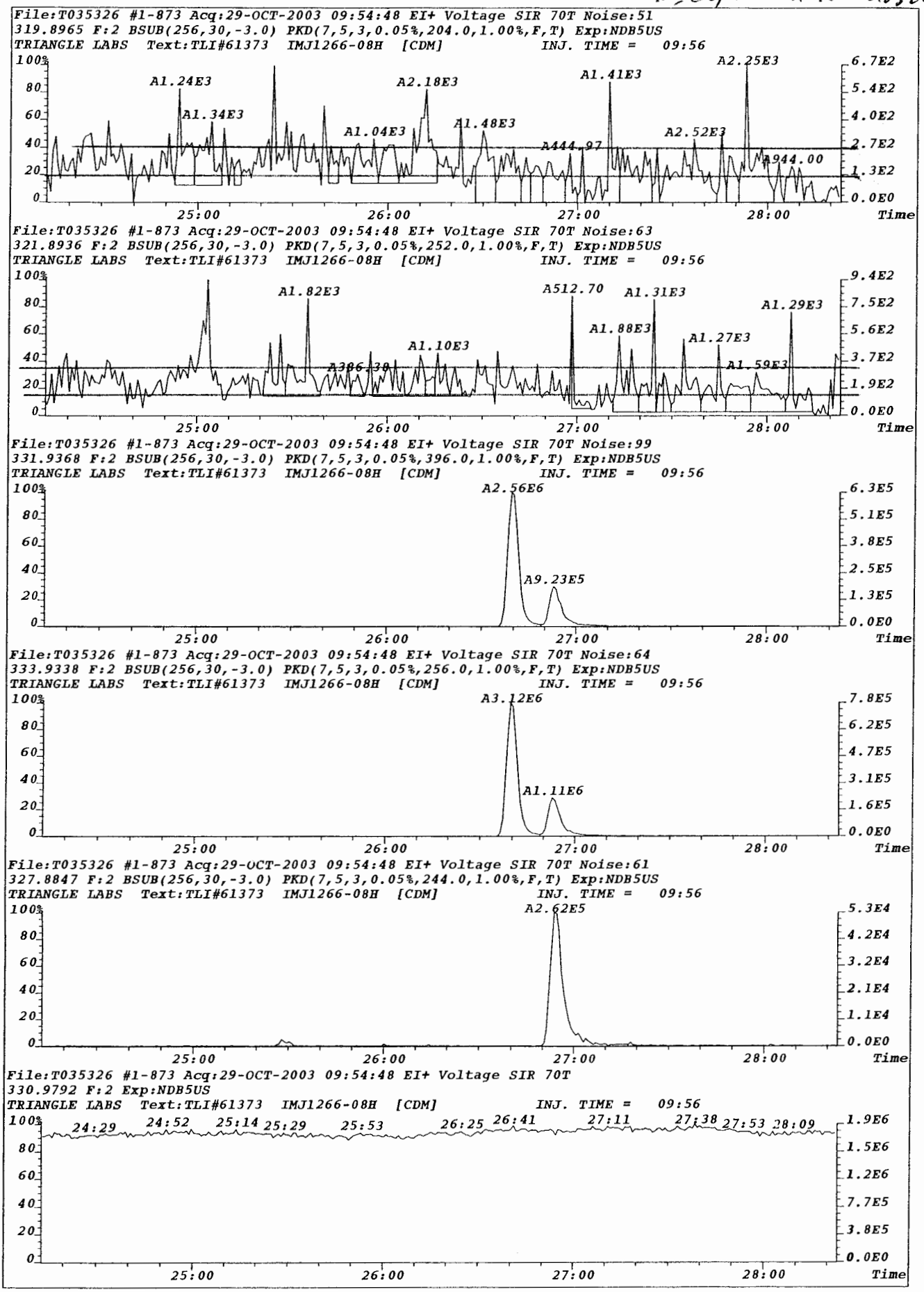
Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
13C12-HpCDF				0.37-0.51						0.945-1.110			
418-420	DC	NL		Height			0.14	0.07	0.07				
				36:29		0.43	155.00	46.54	108.46	1.000	13C12-HpCDF 678	IS6	
				Height			38.90	11.94	26.96				
				38:03		0.42	120.75	35.58	85.17	1.043	13C12-HpCDF 789	SUR4	
				38:22	RO	0.54	1.08	0.33	0.61	1.052			
418-420			3 Peaks				276.83						
---------- Above: HpCDF / HpCDD Follows ----------													
HpCDD				0.88-1.20						0.976-1.005			
424-426	DC	NL		Height			0.08	0.04	0.04				
D	D	SN	36:49	RO	0.75		0.35			0.981			
424-426			0 Peaks				0.00						
13C12-HpCDD				0.88-1.20						0.973-1.027			
436-438	DC	NL		Height			0.12	0.07	0.05				
				36:49		0.91	0.44	0.21	0.23	0.981			
				37:32		1.04	128.92	65.75	63.17	1.000	13C12-HpCDD 678	IS7	
				Height			30.64	15.65	14.99				
				37:48	RO	2.10	0.41	0.42	0.20	1.007			
436-438			3 Peaks				129.77						
---------- Above: HpCDD / Octa-CDD and CDF Follows ----------													
OCDF				0.76-1.02						0.903-1.097			
442-444	DC	NL		Height			0.10	0.05	0.05				
	DC	WL	36:16	RO	1.47		0.32			0.881			
	DC	SN	37:59	RO	0.43		0.06			0.923			
	DC	SN	39:24	RO	0.45		0.11			0.957			
	DC	SN	39:30		0.92		0.23			0.960			
	DC	SN	40:55	RO	4.20		0.09			0.994			
	DC	SN	41:00	RO	1.13		0.30			0.996			
			44:23	RO	0.58		0.23	0.11	0.19	1.078			
442-444			1 Peak				0.23						
OCDD				0.76-1.02						0.903-1.097			
458-460	DC	NL		Height			0.08	0.04	0.04				
AN			41:11	RO	0.63		0.76	0.36	0.57	1.000	OCDD	AN	J
	DC	SN	41:34	RO	0.33		0.06			1.010			
458-460			1 Peak				0.76						
13C12-OCDD				0.76-1.02						0.997-1.005			
470-472	DC	NL		Height			0.08	0.04	0.04				
			41:10		0.86		181.15	83.56	97.59	1.000	13C12-OCDD	IS8	
				Height			32.12	14.73	17.39				
	DC	WH	41:34	RO	0.48		0.47			1.010			
	DC	WH	41:43	RO	0.53		0.55			1.013			
470-472			1 Peak				181.15						

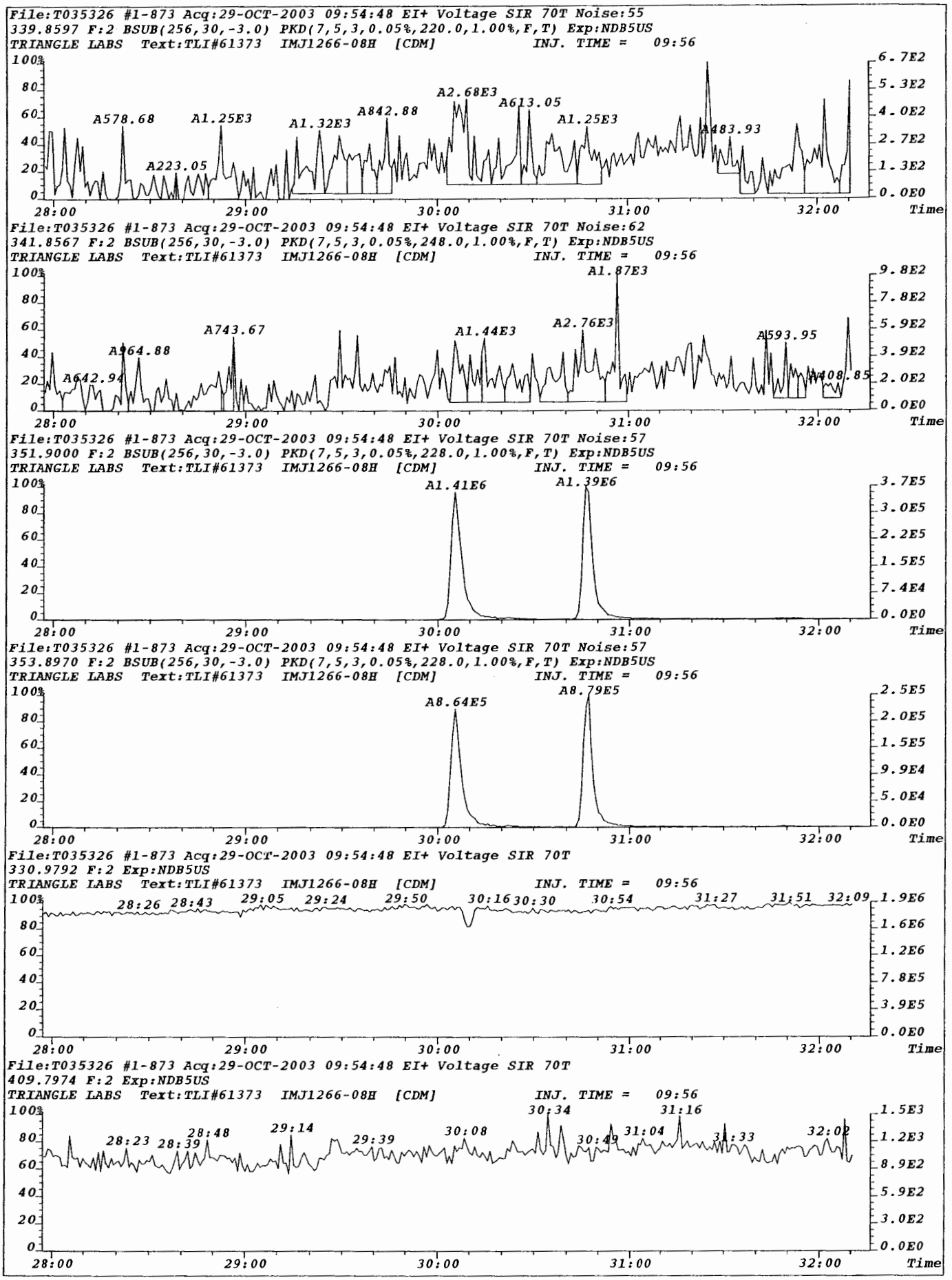
Compound/
M_Z.... QC.Log Omit Why ..RT. OK Ratio Total.Area/Ht Area/Ht.Peak1 Area/Ht.Peak2 Rel.RT Compound.Name.. ID.. Flags.

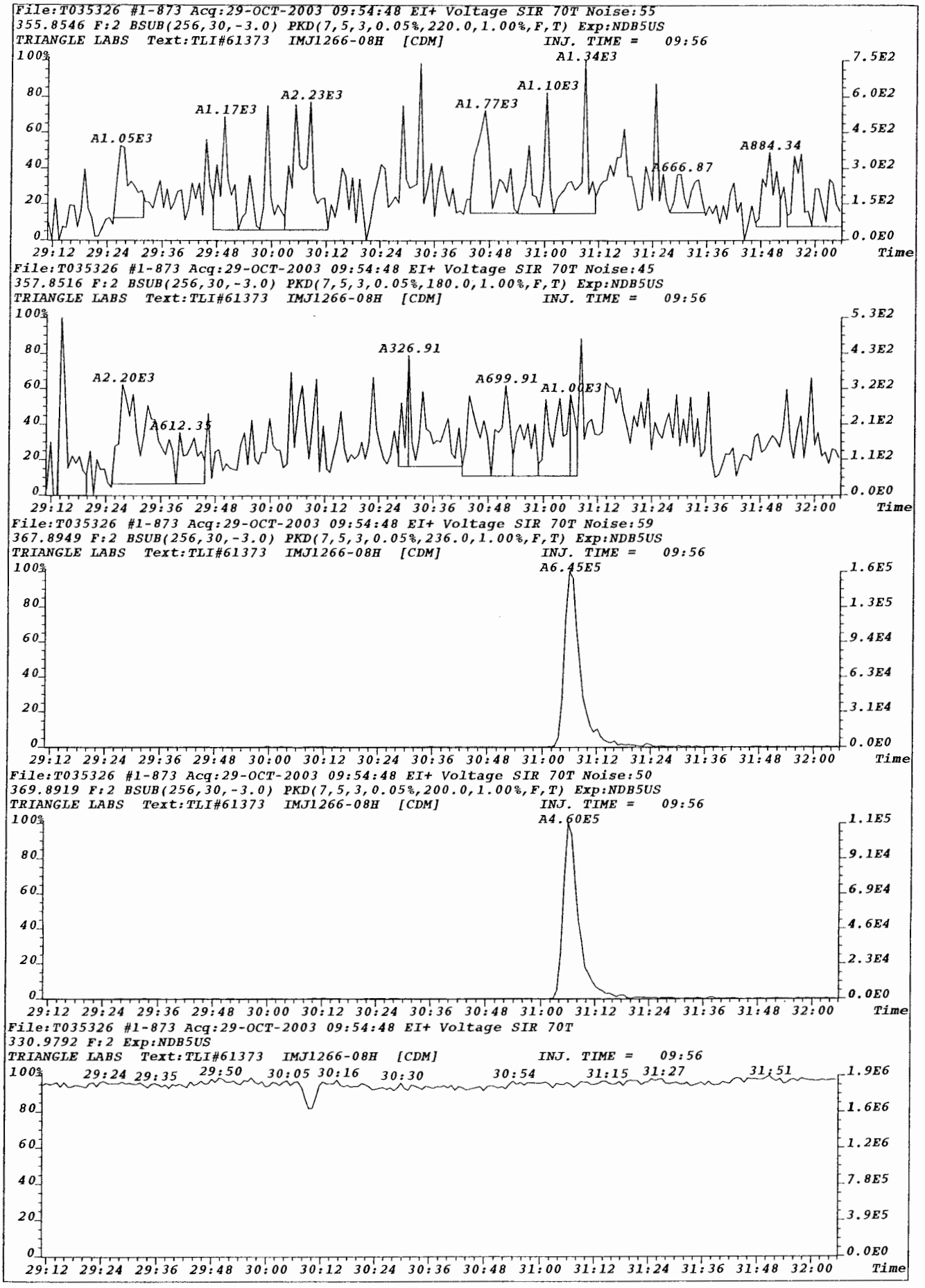
Column Description.....	"Why" Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.1 -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

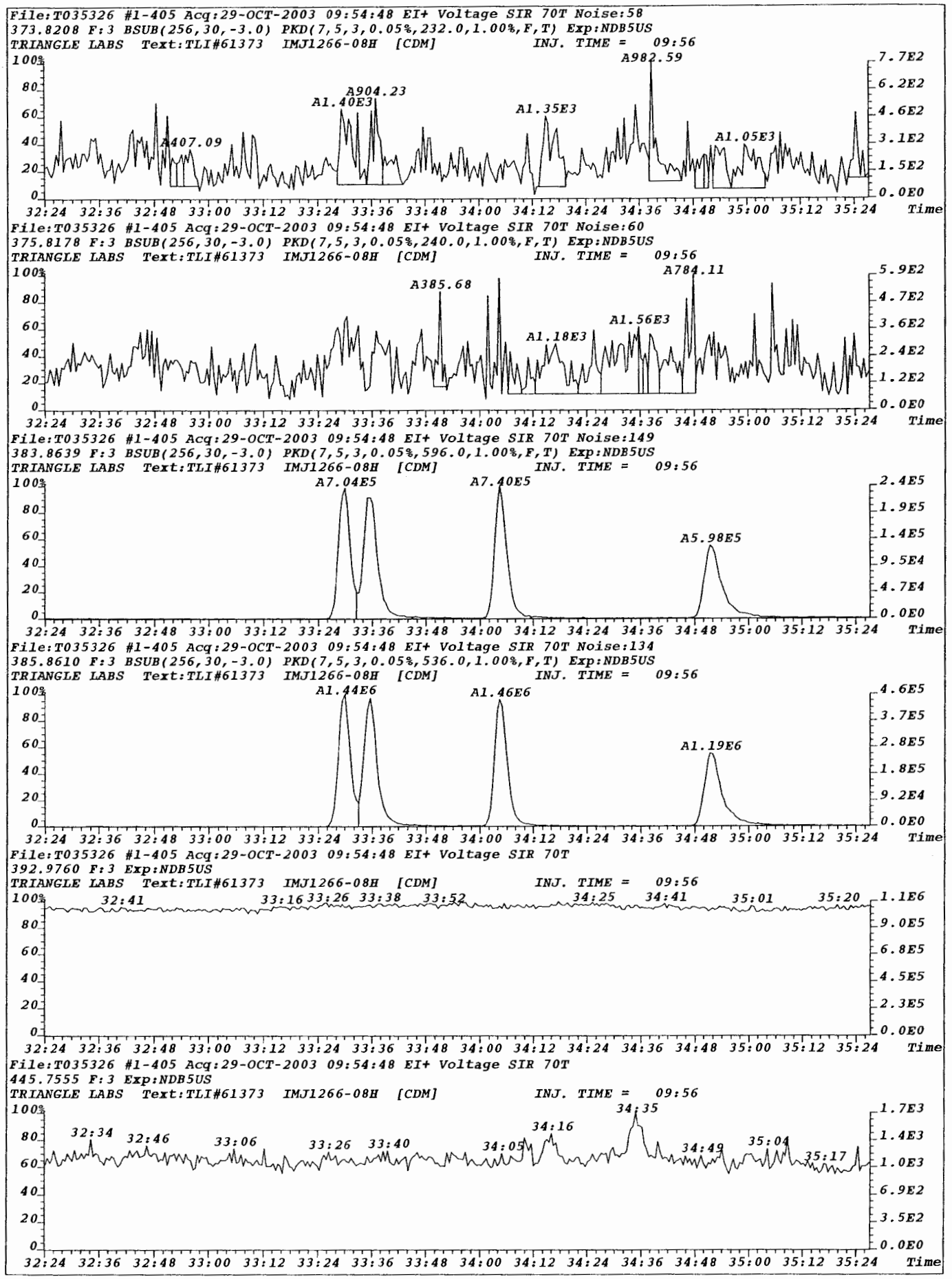
*** End of Report ***

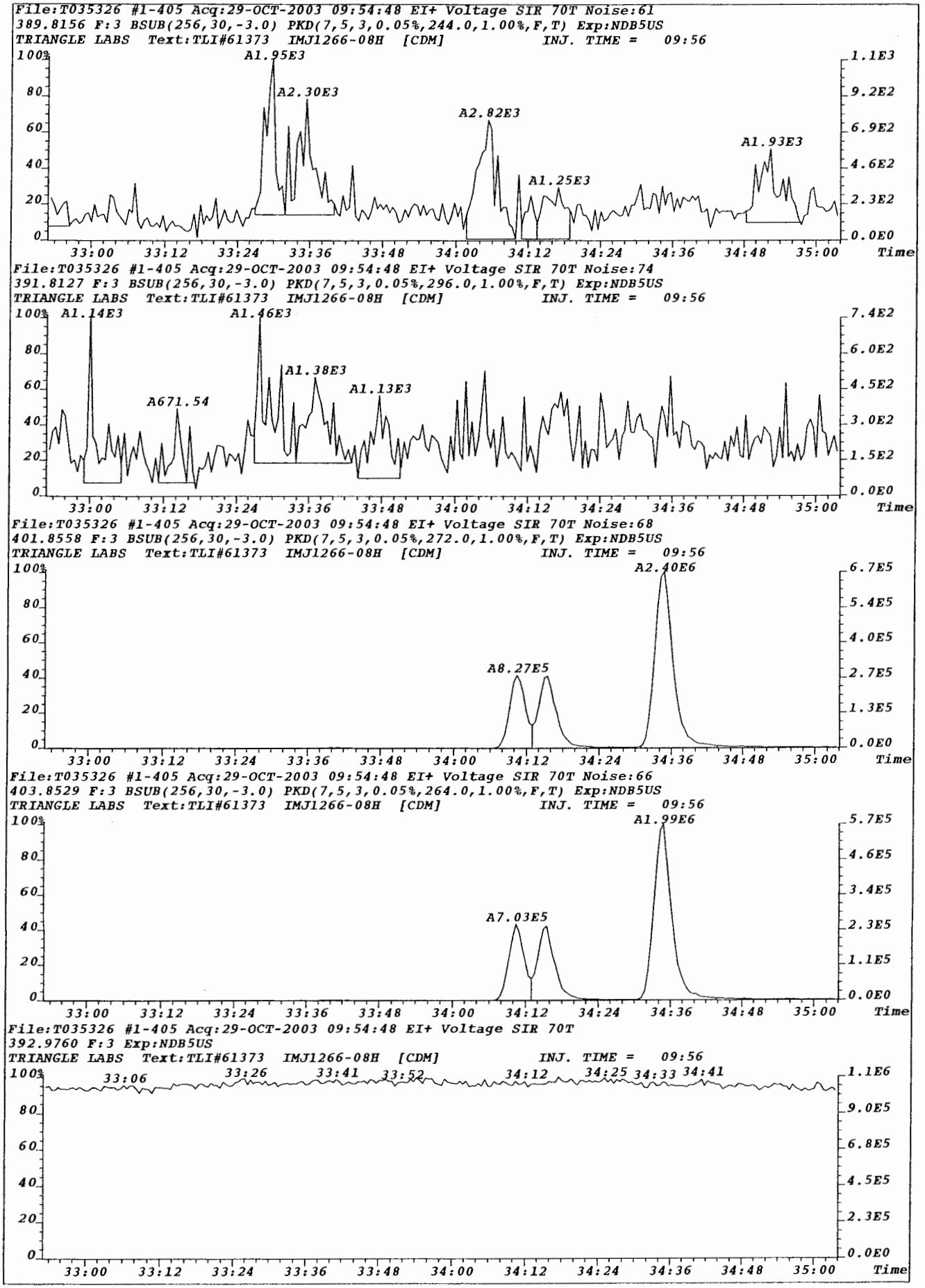

File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:83
303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,332.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.90E3
A769.11
A1.61E3
A2.63E3
A2.17E3
A3.93E3
7.8E2
6.3E2
4.7E2
3.1E2
1.6E2
0.0E0
23:00
24:00
25:00
26:00
27:00
28:00
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:56
305.8987 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,224.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A2.81E3
A2.35E3
A1.66E3
A1.64E3
A1.33E3
A1.36E3
A1.12E3
1.4E3
1.1E3
8.2E2
5.5E2
2.7E2
0.0E0
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:59
315.9419 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.19E6
2.5E5
2.0E5
1.5E5
1.0E5
5.1E4
0.0E0
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:76
317.9389 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,304.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.61E6
3.4E5
2.7E5
2.0E5
1.4E5
6.8E4
0.0E0
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
23:23
24:12
24:52
25:14
25:33
25:53
26:41
27:11
27:38
28:09
1.9E6
1.5E6
1.2E6
7.7E5
3.8E5
0.0E0
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
375.8364 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
23:29
23:06
24:22
24:33
25:00
25:32
25:57
26:28
26:41
26:56
27:34
28:14
1.8E3
1.5E3
1.1E3
7.3E2
3.7E2
0.0E0

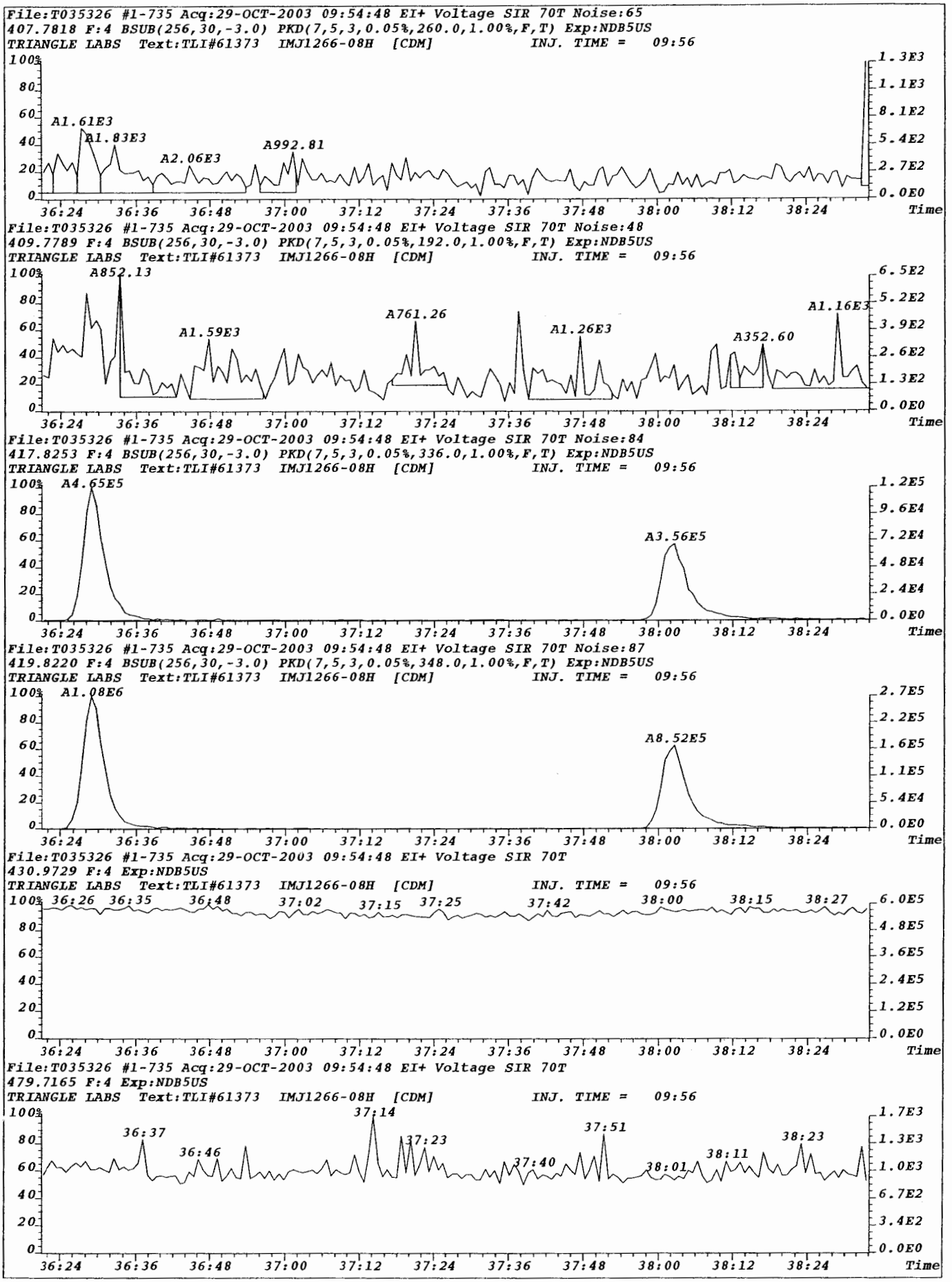

File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:51
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,204.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.24E3
A1.34E3
A2.18E3
A1.04E3
A1.48E3
A1.41E3
A444.97
A2.52E3
A2.25E3
A944.00
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:63
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.82E3
A1.10E3
A512.70
A1.31E3
A1.88E3
A1.27E3
A1.29E3
A1.59E3
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:99
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,396.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A2.56E6
A9.23E5
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:64
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,256.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A3.12E6
A1.11E6
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:61
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A2.62E5
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
24:29
24:52
25:14
25:29
25:53
26:25
26:41
27:11
27:38
27:53
28:09
Time

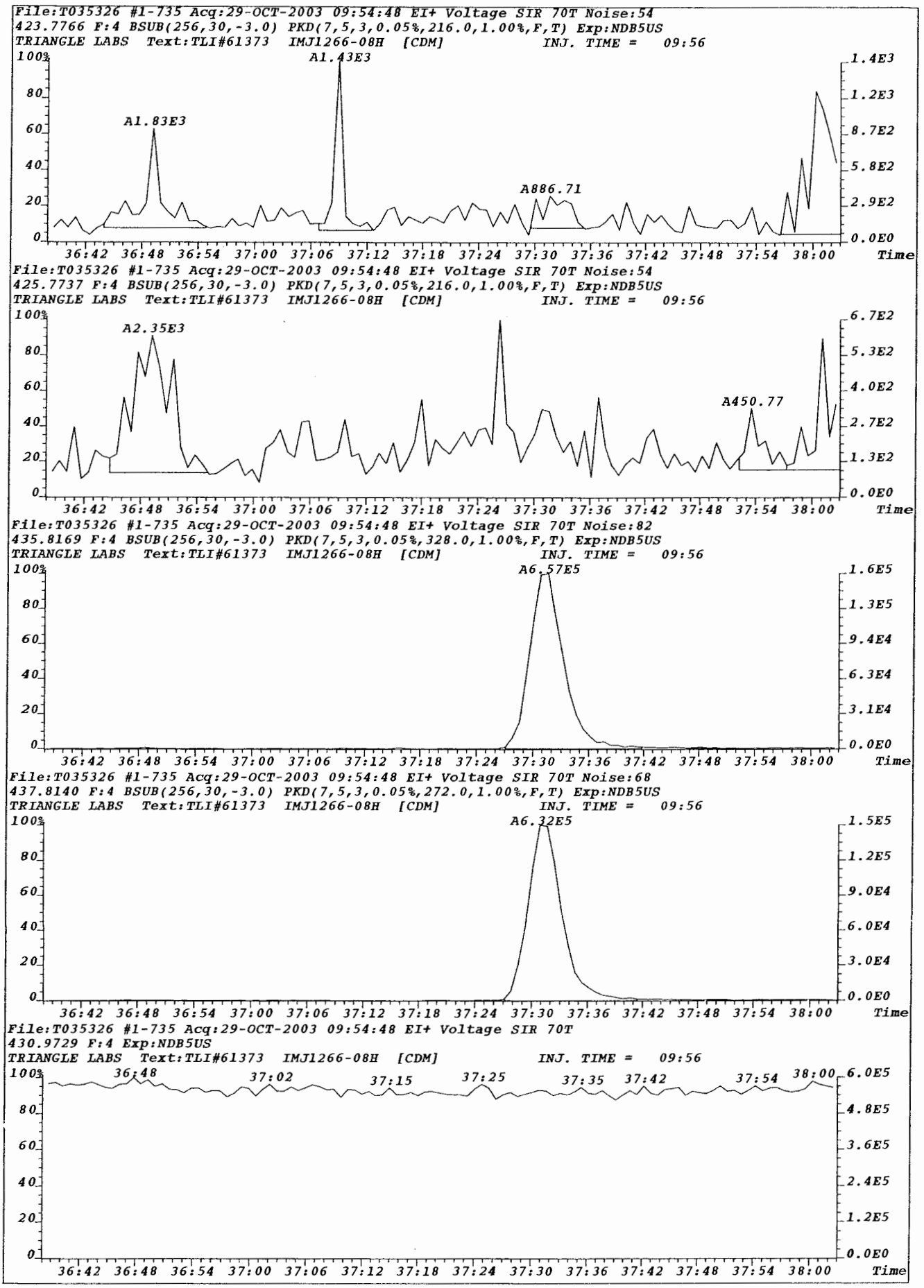

File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:55
339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,220.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A578.68
A1.25E3
A223.05
A1.32E3
A842.88
A2.68E3
A613.05
A1.25E3
A483.93
6.7E2
5.3E2
4.0E2
2.7E2
1.3E2
0.0E0
28:00
29:00
30:00
31:00
32:00
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:62
341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.87E3
A743.67
A964.88
A642.94
A1.44E3
A2.76E3
A593.95
A408.85
9.8E2
7.8E2
5.9E2
3.9E2
2.0E2
0.0E0
28:00
29:00
30:00
31:00
32:00
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:57
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.41E6
A1.39E6
3.7E5
3.0E5
2.2E5
1.5E5
7.4E4
0.0E0
28:00
29:00
30:00
31:00
32:00
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:57
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A8.64E5
A8.79E5
2.5E5
2.0E5
1.5E5
9.9E4
5.0E4
0.0E0
28:00
29:00
30:00
31:00
32:00
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
28:26
28:43
29:05
29:24
29:50
30:16
30:30
30:54
31:27
31:51
32:09
1.9E6
1.6E6
1.2E6
7.8E5
3.9E5
0.0E0
28:00
29:00
30:00
31:00
32:00
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
28:23
28:39
28:48
29:14
29:39
30:08
30:34
30:49
31:04
31:16
31:33
32:02
1.5E3
1.2E3
8.9E2
5.9E2
3.0E2
0.0E0
28:00
29:00
30:00
31:00
32:00
Time

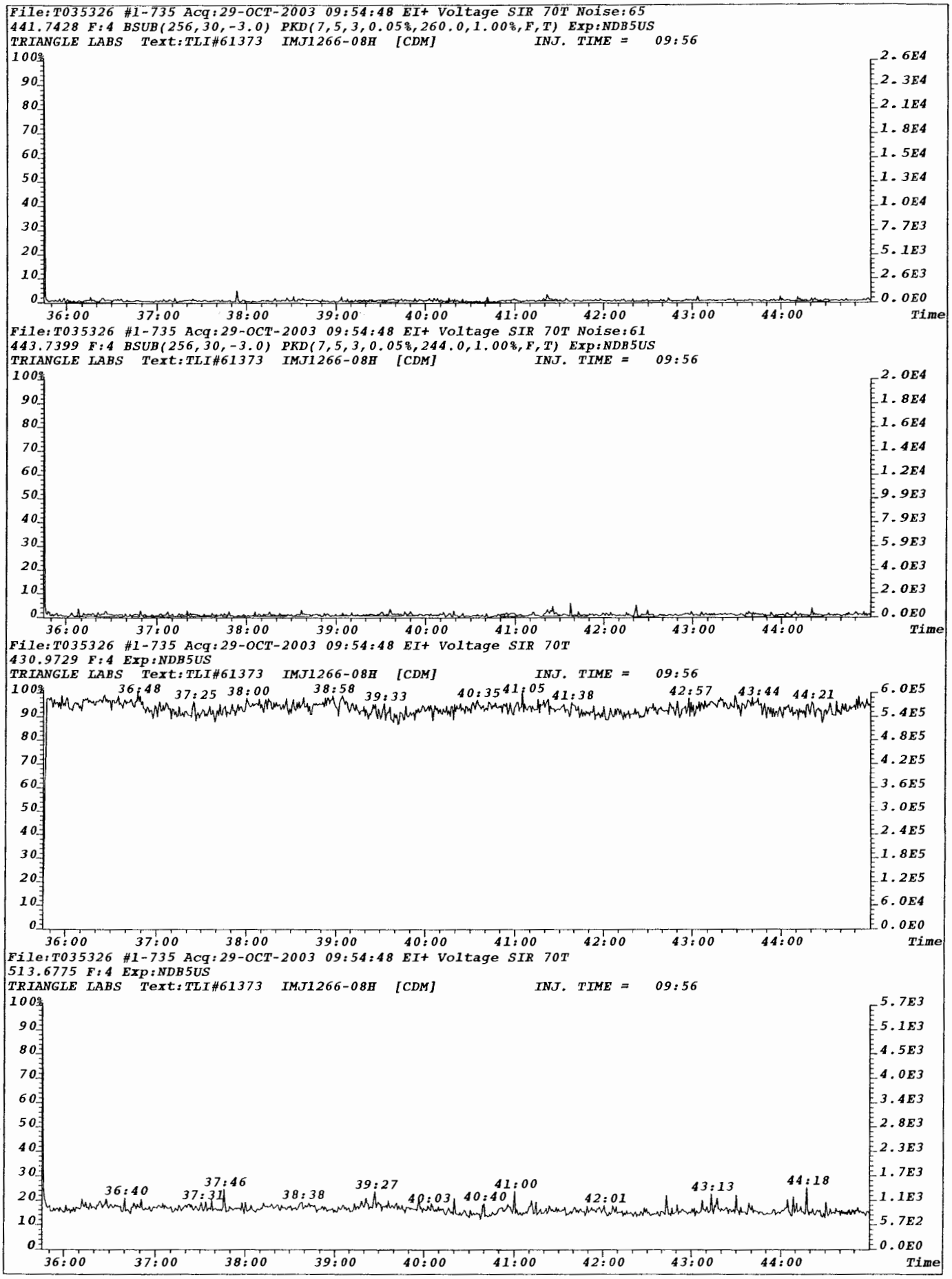

File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:55
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,220.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM]
INJ. TIME = 09:56
A1.05E3
A1.17E3
A2.23E3
A1.77E3
A1.10E3
A1.34E3
A666.87
A884.34
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:45
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,180.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM]
INJ. TIME = 09:56
A2.20E3
A612.35
A326.91
A699.91
A1.00E3
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:59
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM]
INJ. TIME = 09:56
A6.45E5
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:50
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,200.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM]
INJ. TIME = 09:56
A4.60E5
Time
File:T035326 #1-873 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM]
INJ. TIME = 09:56
Time


File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:58
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,232.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A982.59
A904.23
A1.40E3
A1.35E3
A407.09
A1.05E3
7.7E2
6.2E2
4.6E2
3.1E2
1.5E2
0.0E0
32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 Time
File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:60
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A784.11
A385.68
A1.56E3
A1.18E3
5.9E2
4.7E2
3.6E2
2.4E2
1.2E2
0.0E0
32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 Time
File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:149
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,596.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A7.04E5
A7.40E5
A5.98E5
2.4E5
1.9E5
1.4E5
9.5E4
4.7E4
0.0E0
32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 Time
File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:134
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,536.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.44E6
A1.46E6
A1.19E6
4.6E5
3.7E5
2.8E5
1.8E5
9.2E4
0.0E0
32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 Time
File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
32:41
33:16 33:26 33:38 33:52
34:25 34:41 35:01 35:20
1.1E6
9.0E5
6.8E5
4.5E5
2.3E5
0.0E0
32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 Time
File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
34:35
34:16
32:34
32:46
33:06
33:26 33:40
34:05
34:49
35:04
35:17
1.7E3
1.4E3
1.0E3
6.9E2
3.5E2
0.0E0
32:24 32:36 32:48 33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 35:12 35:24 Time

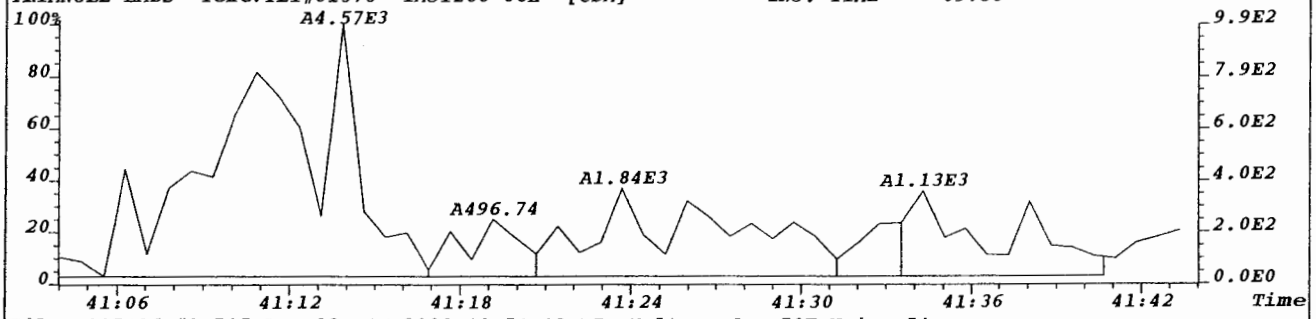

File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:61
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.95E3
A2.30E3
A2.82E3
A1.25E3
A1.93E3
File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:74
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,296.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.14E3
A1.46E3
A1.38E3
A1.13E3
A671.54
File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:68
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A2.40E6
A8.27E5
File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:66
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.99E6
A7.03E5
File:T035326 #1-405 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
33:06
33:26
33:41
33:52
34:12
34:25
34:33
34:41
33:00 33:12 33:24 33:36 33:48 34:00 34:12 34:24 34:36 34:48 35:00 Time


File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:65
407.7818 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.61E3
A1.83E3
A2.06E3
A992.81
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:48
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,192.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A852.13
A1.59E3
A761.26
A1.26E3
A352.60
A1.16E3
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:84
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,336.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A4.65E5
A3.56E5
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:87
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,348.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.08E6
A8.52E5
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
36:37
36:46
37:14
37:23
37:40
37:51
38:01
38:11
38:23
Time

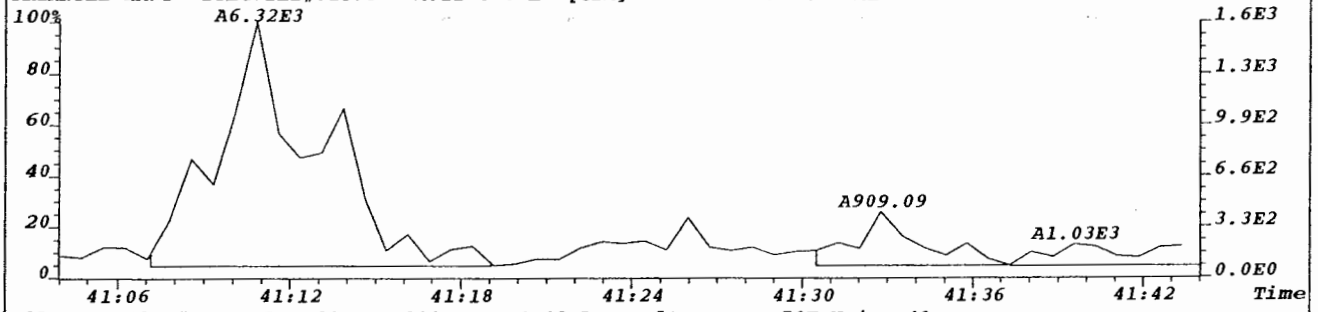

File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:54
423.7766 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A1.83E3
A1.43E3
A886.71
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:54
425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A2.35E3
A450.77
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:82
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,328.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A6.57E5
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:68
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
A6.32E5
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
36:48
37:02
37:15
37:25
37:35
37:42
37:54
38:00
Time


File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:65
441.7428 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:61
443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
36:48 37:25 38:00 38:58 39:33 40:35 41:05 41:38 42:57 43:44 44:21
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56
36:40 37:31 37:46 38:38 39:27 40:03 40:40 41:00 42:01 43:13 44:18
36:00 37:00 38:00 39:00 40:00 41:00 42:00 43:00 44:00 Time

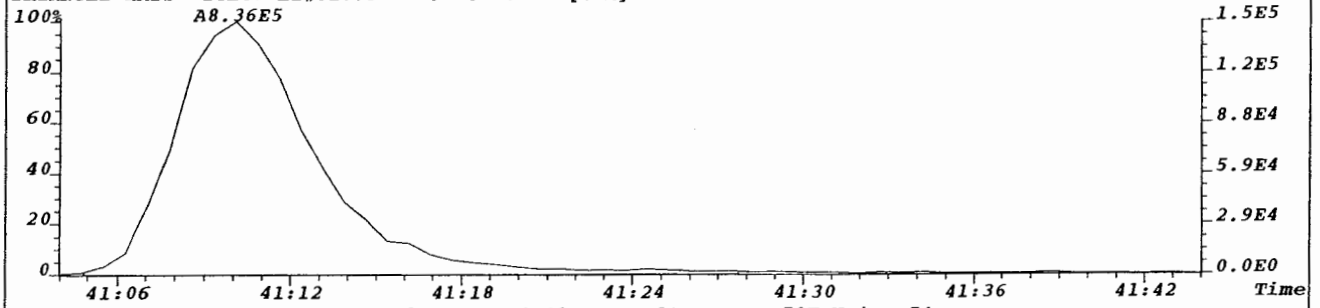
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:51
457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,204.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56



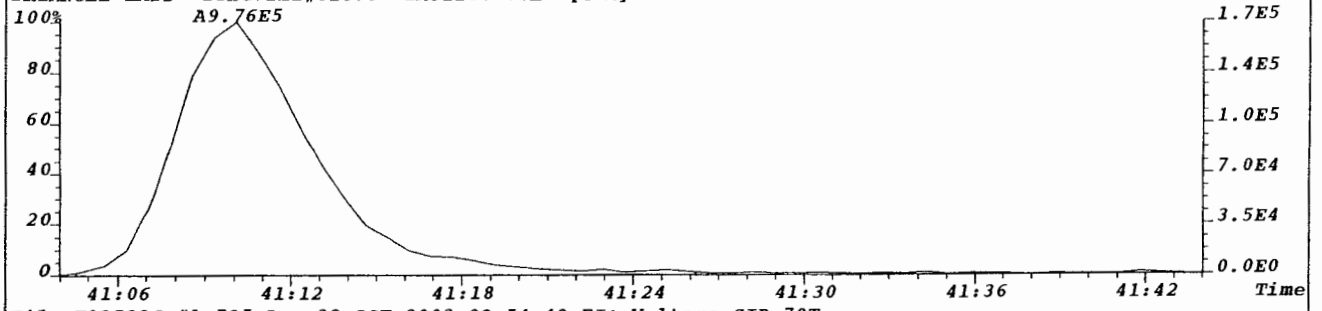
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:54
459.7348 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56



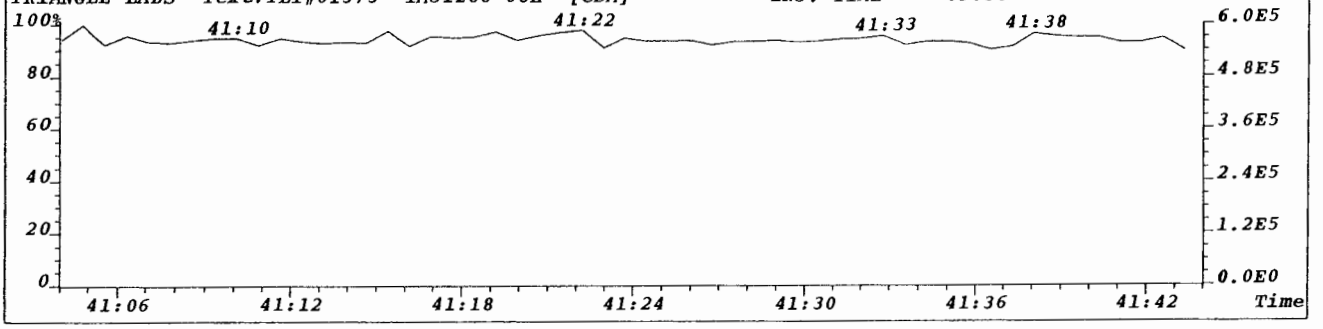
File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:49
469.7779 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,196.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56

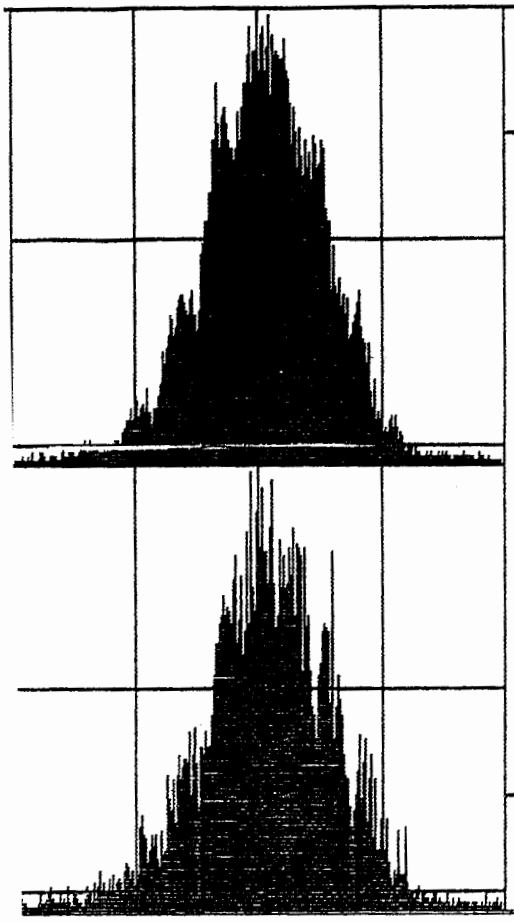


File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T Noise:54
471.7750 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,216.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56



File:T035326 #1-735 Acq:29-OCT-2003 09:54:48 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56



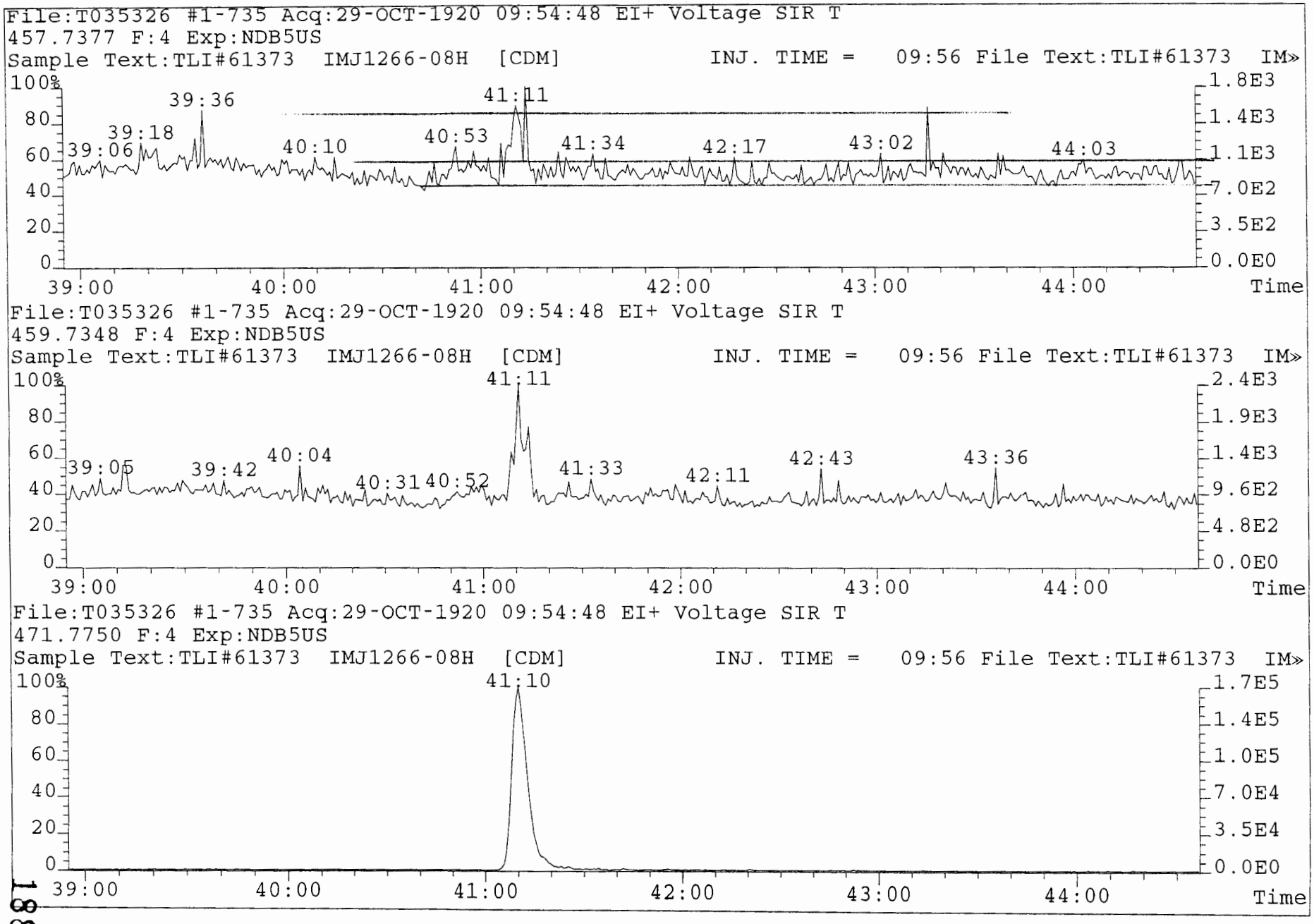


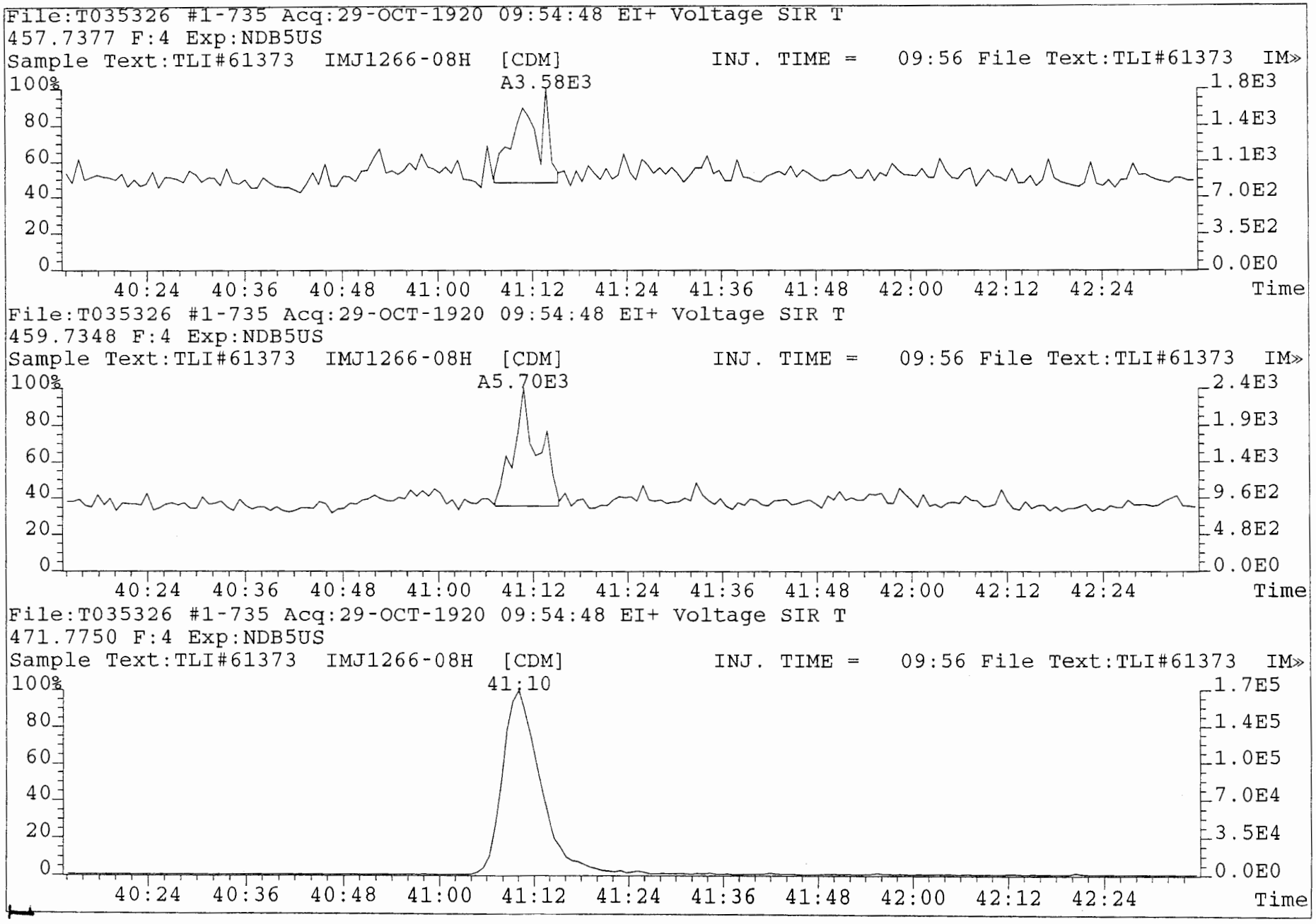
Channel I 330.9792 Peak top
Height .36 volts Span 200 ppm

System file name	NDB5US
Data file name	A:T029031
Resolution	10000
Group number	2
Ionization mode	EI+
Switching	VOLTAGE
Ref. masses	292.9825, 416.9760

A	293	J	331	S	368
B	304	K	332	T	370
C	306	L	334	U	376
D	316	M	340	V	410
E	318	N	342		
F	320	O	352		
G	322	P	354		
H	328	Q	356		
I	331	R	358		

Ref. mass 416.9760 Peak top
Height .06 volts Span 200 ppm


File:T035326 #1-735 Acq:29-OCT-1920 09:54:48 EI+ Voltage SIR T
457.7377 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56 File Text:TLI#61373 IM»
39:06
39:18
39:36
40:10
40:53
41:11
41:34
42:17
43:02
44:03
1.8E3
1.4E3
1.1E3
7.0E2
3.5E2
0.0E0
39:00
40:00
41:00
42:00
43:00
44:00
Time
File:T035326 #1-735 Acq:29-OCT-1920 09:54:48 EI+ Voltage SIR T
459.7348 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56 File Text:TLI#61373 IM»
39:05
39:42
40:04
40:31
40:52
41:11
41:33
42:11
42:43
43:36
2.4E3
1.9E3
1.4E3
9.6E2
4.8E2
0.0E0
39:00
40:00
41:00
42:00
43:00
44:00
Time
File:T035326 #1-735 Acq:29-OCT-1920 09:54:48 EI+ Voltage SIR T
471.7750 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56 File Text:TLI#61373 IM»
41:10
1.7E5
1.4E5
1.0E5
7.0E4
3.5E4
0.0E0
39:00
40:00
41:00
42:00
43:00
44:00
Time


File:T035326 #1-735 Acq:29-OCT-1920 09:54:48 EI+ Voltage SIR T
457.7377 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56 File Text:TLI#61373 IM»
100%
A3.58E3
80
60
40
20
0
1.8E3
1.4E3
1.1E3
7.0E2
3.5E2
0.0E0
40:24 40:36 40:48 41:00 41:12 41:24 41:36 41:48 42:00 42:12 42:24
Time
File:T035326 #1-735 Acq:29-OCT-1920 09:54:48 EI+ Voltage SIR T
459.7348 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56 File Text:TLI#61373 IM»
100%
A5.70E3
80
60
40
20
0
2.4E3
1.9E3
1.4E3
9.6E2
4.8E2
0.0E0
40:24 40:36 40:48 41:00 41:12 41:24 41:36 41:48 42:00 42:12 42:24
Time
File:T035326 #1-735 Acq:29-OCT-1920 09:54:48 EI+ Voltage SIR T
471.7750 F:4 Exp:NDB5US
Sample Text:TLI#61373 IMJ1266-08H [CDM] INJ. TIME = 09:56 File Text:TLI#61373 IM»
100%
41:10
80
60
40
20
0
1.7E5
1.4E5
1.0E5
7.0E4
3.5E4
0.0E0
40:24 40:36 40:48 41:00 41:12 41:24 41:36 41:48 42:00 42:12 42:24
Time

Del Mar Analytical

TLI Project: **61373** — Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **TLI LCS** — Analysis File: **T035317**

Client Project:	**2003 Prices, Sequoia Network**				
Sample Matrix:	**WATER**	Date Received:	/ /	Spike File:	**SPMIT32S**
TLI ID:	**TLI LCS**	Date Extracted:	**10/26/2003**	ICal:	**TF53183**
		Date Analyzed:	**10/29/2003**	ConCal:	**T035313**
Sample Size:	**1.000 L**	Dilution Factor:	**n/a**	% Moisture:	**n/a**
Dry Weight:	**n/a**	Blank File:	**T035314**	% Lipid:	**n/a**
GC Column:	**DB-5**	Analyst:	**VSC**	% Solids:	**n/a**

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	363			0.81	26:54	
1,2,3,7,8-PeCDD	1960			1.61	31:07	
1,2,3,4,7,8-HxCDD	1870			1.22	34:11	
1,2,3,6,7,8-HxCDD	1990			1.22	34:16	
1,2,3,7,8,9-HxCDD	2060			1.21	34:36	
1,2,3,4,6,7,8-HpCDD	1870			1.06	37:32	
1,2,3,4,6,7,8,9-OCDD	4210			0.83	41:11	
2,3,7,8-TCDF	379			0.83	26:13	
1,2,3,7,8-PeCDF	1990			1.56	30:06	
2,3,4,7,8-PeCDF	2290			1.52	30:47	
1,2,3,4,7,8-HxCDF	1950			1.29	33:30	
1,2,3,6,7,8-HxCDF	1970			1.27	33:37	
2,3,4,6,7,8-HxCDF	1840			1.27	34:05	
1,2,3,7,8,9-HxCDF	1820			1.30	34:52	
1,2,3,4,6,7,8-HpCDF	1850			1.02	36:30	
1,2,3,4,7,8,9-HpCDF	1720			1.01	38:03	
1,2,3,4,6,7,8,9-OCDF	4540			0.89	41:22	

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{3}C_{12}$-2,3,7,8-TCDF	1660	82.9	40%-135%	0.75	26:12	
$^{13}C_{12}$-2,3,7,8-TCDD	1660	83.2	40%-135%	0.81	26:54	
$^{3}C_{12}$-1,2,3,7,8-PeCDF	1690	84.5	40%-135%	1.58	30:05	
$^{3}C_{12}$-1,2,3,7,8-PeCDD	1600	79.8	40%-135%	1.46	31:07	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1810	90.6	40%-135%	0.50	33:35	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1660	82.8	40%-135%	1.19	34:15	
$^{3}C_{12}$-1,2,3,4,6,7,8-HpCDF	1700	85.2	40%-135%	0.42	36:29	
$^{3}C_{12}$-1,2,3,4,6,7,8-HpCDD	1750	87.4	40%-135%	1.04	37:31	
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	2430	60.7	40%-135%	0.89	41:10	

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 10:35 10/29/2003

TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **TLI LCS** Analysis File: **T035317**

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	1970	98.4	40%-135%	1.59	30:47	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1820	91.1	40%-135%	0.50	33:30	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1690	84.3	40%-135%	1.21	34:11	___
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1640	81.8	40%-135%	0.42	38:02	___

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	171	85.7	40%-135%	26:55	___

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1630	81.5	40%-135%	0.51	34:51	___
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1660	83.1	40%-135%	0.49	34:05	___

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.81	26:42	___
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.19	34:35	___

Data Reviewer: _____ 10/29/2003

MIT3_PSR v1.00, LARS 6.25.05

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Initial ....Date...

Data Review By: [signature] 10/29/03

Channel specific noise levels computed from 'NL' heights.

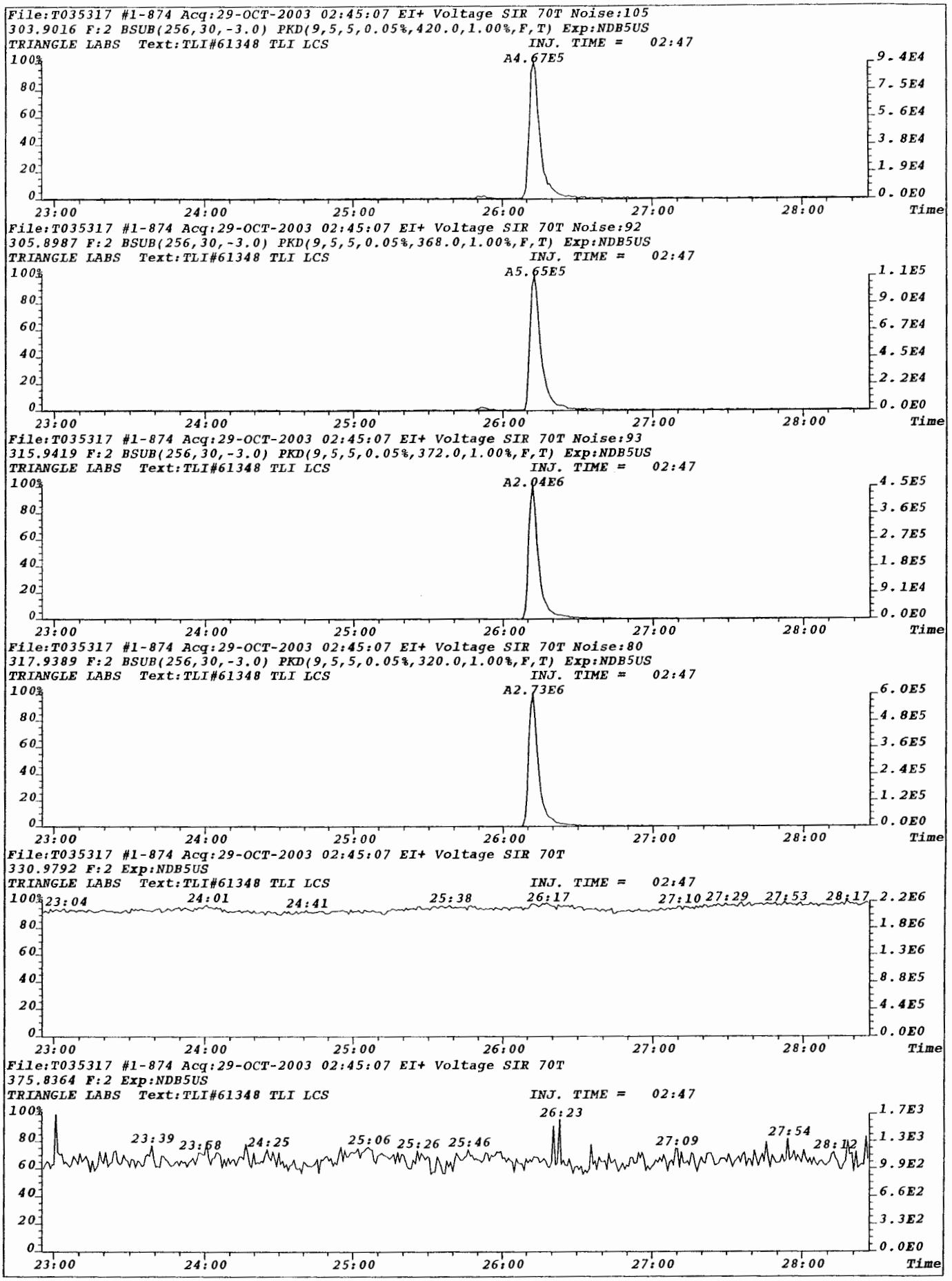
The Total Area for each peak with an ion abundance ratio outside ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035317B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF						0.65-0.89				0.875-1.073			
304-306	DC	NL				Height	0.15	0.08	0.07				
				25:52		0.69	1.88	0.77	1.11	0.987	1278-TCDF	AN	J
				26:13		0.83	103.12	46.66	56.46	1.001	2378-TCDF	AN	
304-306			2 Peaks				105.00						
13C12-TCDF						0.65-0.89				0.962-1.038			
316-318	DC	NL				Height	0.13	0.07	0.06				
				25:51	RO	1.02	1.15	0.66	0.65	0.987			
				26:12		0.75	477.29	203.94	273.35	1.000	13C12-2378-TCDF	IS0	
						Height	105.53	45.34	60.19				
	DC	WH		27:53		0.86	0.78			1.064			
	DC	WH		28:18	RO	2.50	0.32			1.080			
316-318			2 Peaks				478.44						
---------- Above: TCDF / TCDD Follows ----------													
TCDD						0.65-0.89				0.900-1.043			
320-322	DC	NL				Height	0.11	0.05	0.06				
	DC	WL		24:12	RO	0.64	0.16			0.900			
	DC	SN		24:39	RO	3.33	0.05			0.916			
	DC	SN		25:52	RO	3.88	0.14			0.962			
	DC	SN		26:11	RO	1.88	0.46			0.973			
				26:54		0.81	75.41	33.78	41.63	1.000	2378-TCDD	AN	
	DC	SN		27:23	RO	4.56	0.16			1.018			
	DC	SN		27:45	RO	1.00	0.25			1.032			
320-322			1 Peak				75.41						
37Cl-TCDD										0.926-1.074			
328	DC	NL				Height	0.06	0.06					
	DC	WL		24:16			0.04			0.902			
	DC	WL		24:21			0.07			0.905			
	DC	WL		24:26			0.06			0.908			
	DC	WL		24:41			0.02			0.918			
	DC	SN		25:02			0.26			0.931			
				25:32			0.52	0.52		0.949			
	DC	SN		25:41			0.12			0.955			
	DC	SN		25:49			0.30			0.960			
	DC	SN		25:59			0.12			0.966			
				26:55			39.83	39.83		1.001	37Cl-TCDD	CLS	
				27:08			0.90	0.90		1.009			
				27:17			0.27	0.27		1.014			
				27:20			0.23	0.23		1.016			
	DC	SN		27:29			0.21			1.022			

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
	DC	SN		27:35			0.19			1.025			
	DC	SN		27:42			0.20			1.030			
	DC	SN		27:49			0.12			1.034			
	DC	SN		27:57			0.26			1.039			
328		5	Peaks				41.75						
13C12-TCDD				0.65-0.89						0.926-1.074			
332-334	DC	NL		Height			0.13	0.07	0.06				
				26:42		0.81	425.63	189.83	235.80	0.993	13C12-1234-TCDD	RS1	
				26:54		0.81	331.82	148.28	183.54	1.000	13C12-2378-TCDD	IS1	
				Height			73.10	33.75	39.35				
				27:17	RO	1.15	2.60	1.69	1.47	1.014			
				27:26	RO	0.48	0.74	0.32	0.66	1.020			
				27:32	RO	1.43	0.74	0.60	0.42	1.024			
				27:37		0.84	1.23	0.56	0.67	1.027			
				27:56	RO	2.33	1.29	1.70	0.73	1.038			
332-334		7	Peaks				764.05						
---------- Above: TCDD / PeCDF Follows ----------													
PeCDF				1.32-1.78						0.929-1.061			
340-342	DC	NL		Height			0.12	0.05	0.07				
				29:18	RO	1.86	1.07	0.78	0.42	0.974			J
				29:48	RO	0.48	0.46	0.28	0.58	0.991			J
				30:06		1.56	502.52	305.90	196.62	1.001	12378-PeCDF	AN	
				30:25	RO	1.83	8.57	6.16	3.36	1.011			J
				30:47		1.52	462.48	279.27	183.21	1.023	23478-PeCDF	AN	
340-342		5	Peaks				975.10						
13C12-PeCDF				1.32-1.78						0.867-1.133			
352-354	DC	NL		Height			0.10	0.05	0.05				
				30:05		1.58	392.95	240.46	152.49	1.000	13C12-PeCDF 123	IS2	
				Height			110.80	67.80	43.00				
				30:23	RO	1.06	9.10	3.78	3.57	1.010			
				30:47		1.59	418.89	257.26	161.63	1.023	13C12-PeCDF 234	SUR1	
				31:08	RO	0.86	1.07	0.65	0.76	1.035			
				31:20	RO	1.97	0.79	0.61	0.31	1.042			
				31:50		1.46	4.03	2.39	1.64	1.058			
352-354		6	Peaks				826.83						
---------- Above: PeCDF / PeCDD Follows ----------													
PeCDD				1.32-1.78						0.938-1.021			
356-358	DC	NL		Height			0.10	0.05	0.05				
				30:06	RO	1.95	0.54	0.41	0.21	0.967			J
				30:27	RO	1.21	0.71	0.34	0.28	0.979			J
	DC	SN		30:47		1.48	0.57			0.989			
				31:07		1.61	249.93	154.13	95.80	1.000	12378-PeCDD	AN	
				31:30		1.32	0.51	0.29	0.22	1.012			J
				31:38	RO	1.26	1.10	0.54	0.43	1.017			J
	DC	WH		32:04	RO	2.00	0.33			1.031			
356-358		5	Peaks				252.79						

Compound/ M_Z....	QC.Log	Omit	Why	RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
13C12-PeCDD				1.32-1.78						0.871-1.129			
368-370	DC	NL				Height	0.11	0.06	0.05				
	DC	SN		29:42		1.33	0.35			0.954			
				30:13		1.34	1.31	0.75	0.56	0.971			
				31:07		1.46	216.15	128.14	88.01	1.000	13C12-PeCDD 123	IS3	
						Height	64.07	38.99	25.08				
				31:31	RO	1.20	0.51	0.24	0.20	1.013			
368-370			3 Peaks				217.97						
---------- Above: PeCDD / HxCDF Follows ----------													
HxCDF				1.05-1.43						0.964-1.045			
374-376	DC	NL				Height	0.21	0.11	0.10				
				32:45	RO	1.78	0.52	0.41	0.23	0.975			J
				33:30		1.29	425.00	239.63	185.37	0.998	123478-HxCDF	AN	
				33:37		1.27	451.38	252.75	198.63	1.001	123678-HxCDF	AN	
				33:56	RO	0.81	0.54	0.30	0.37	1.010			J
				34:05		1.27	417.07	233.03	184.04	1.015	234678-HxCDF	AN	
				34:20		1.19	1.16	0.63	0.53	1.022			J
				34:26	RO	0.24	0.16	0.09	0.37	1.025			J
				34:52		1.30	341.93	193.27	148.66	1.038	123789-HxCDF	AN	
	DC	WH		35:16	RO	3.24	0.47			1.050			
374-376			8 Peaks				1,637.76						
13C12-HxCDF				0.43-0.59						0.881-1.119			
384-386	DC	NL				Height	0.21	0.08	0.13				
				33:30		0.50	355.81	119.07	236.74	0.998	13C12-HxCDF 478	SUR2	
				33:35		0.50	383.47	128.31	255.16	1.000	13C12-HxCDF 678	IS4	
						Height	116.11	39.36	76.75				
				33:56		0.48	0.49	0.16	0.33	1.010			
				34:05		0.49	348.80	115.25	233.55	1.015	13C12-HxCDF 234	ALT2	
				34:16	RO	0.33	2.13	0.72	2.18	1.020			
	DC	SN		34:33	RO	0.35	0.21			1.029			
	DC	SN		34:36	RO	1.09	0.17			1.030			
				34:51		0.51	295.77	100.14	195.63	1.038	13C12-HxCDF 789	ALT1	
				35:14	RO	1.64	0.33	0.36	0.22	1.049			
	DC	SN		35:21	RO	1.13	0.24			1.053			
	DC	SN		35:25	RO	0.39	0.56			1.055			
384-386			7 Peaks				1,386.80						
---------- Above: HxCDF / HxCDD Follows ----------													
HxCDD				1.05-1.43						0.960-1.014			
390-392	DC	NL				Height	0.10	0.05	0.05				
				33:30	RO	3.12	0.38	0.53	0.17	0.978			J
				33:36	RO	1.76	0.56	0.44	0.25	0.981			J
				34:04	RO	1.80	0.45	0.36	0.20	0.995			J
				34:11		1.22	255.40	140.43	114.97	0.998	123478-HxCDD	AN	
				34:16		1.22	296.18	162.98	133.20	1.000	123678-HxCDD	AN	
				34:36		1.21	283.90	155.37	128.53	1.010	123789-HxCDD	AN	
	DC	WH		34:49	RO	0.61	0.67			1.017			
	DC	WH		34:50	RO	3.23	0.67			1.017			


File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:105
303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,420.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A4.67E5
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:92
305.8987 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,368.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A5.65E5
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:93
315.9419 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,372.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A2.04E6
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:80
317.9389 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,320.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A2.73E6
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
375.8364 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
Time

Del Mar Analytical
1852 A[illegible], Irvine[illegible]606 (9[illegible]1022 F[illegible]) 261-[illegible]
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

IRP 1266

CHAIN OF CUSTODY FORM

Client Name/Address:	P.O. #: P.4
CDM see P. 1	Project:
Project Manager/Phone Number:	Phone Number:
Sampler:	Fax Number:

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	8260B	8081 8082 8270 8290 8141 8151	Metals Appendix IX	Cr(VI), pH	CN⁻	S²⁻				Special Instructions
PTI-MW11-059	GW	VOA	3	1120	HCl	X									
		1L Amber	8		None		X								
		500ML poly	1		HNO3			X							
			1		None				X						
			1		NaOH					X					
			1		NaOH/ZnAc						X				

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	10/23/03 1245		
Relinquished By	Date/Time:	Received By	Date/Time:
Relinquished By	Date/Time:	Received By [signature]	Date/Time: 10/23/03 1245

Turnaround Time: (check)
Same Day _____ 72 Hours _____
24 Hours _____ 5 days _____
48 hours _____ normal X
Sample Integrity: (Check)
Intact X On Ice: 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
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

P.O. #:

Project: P. 3

Project Manager/Phone Number:

Sampler: See P. 1

Phone Number:

Fax Number:

10/23/03

ANALYSIS REQUIRED

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	8260B	8081 8082 8270 8290 8141 8151	metals Appendix IX	Cr (VI) pH	CN^-	S^{-2}				Special Instructions
PTI-~~Blind~~ EB03-059	GW	VOA	3	0930	HCl	X									
		1L Amber	8		None		X								
		500mL poly	1		HNO_3			X							
			1		None				X						
			1		NaOH					X					
			1		NaOH/ZnAc						X				
PTI-MW04-059		VOA	3	1000	HCl	X									
		1L Amber	8		None		X								
		500mL poly	1		HNO_3			X							
			1		None				X						
			1		NaOH					X					
			1		NaOH/ZnAc						X				

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	10/23/03 1245		
Relinquished By	Date/Time:	Received By	Date/Time:
Relinquished By	Date/Time:	Received By [signature]	Date/Time: 10/23/03 1245

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

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

Del Mar Analytical
2852 A[illegible], Irvine[illegible]506 ([illegible]1022 F[illegible]) 261-[illegible]
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:	P.O. #:
[redacted] CDM	Project: P2
Project Manager/Phone Number: see page 1	Phone Number:
Sampler:	Fax Number:

ANALYSIS REQUIRED

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	8260B	8081 8082 8270 8290 8141 8151	metals Appendix IX	Cr(VI), pH	CN-	S2-				Special Instructions
PT1-[redacted]01-059	GW	VOA	3	10/23/03 0830	HCl	X									
		1L Amber	8		None		X								
		500 mL poly	1		HNO3			X							
			1		—				X						
			1		NaOH					X					
			1		NaOH/ZnAc						X				
PT-MW145-059		VOA	3	0855	HCl	X									
		1L Amber	8		None		X								
		500 mL poly	1		HNO3			X							
			1		—				X						
			1		NaOH					X					
			1		NaOH/ZnAc						X				

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	10/23/03 1245		
Relinquished By	Date/Time:	Received By	Date/Time:
Relinquished By	Date/Time:	Received By [signature]	Date/Time: 10/23/03 1245

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

Sample Integrity: (Check)
Intact X On Ice: 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
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

Field filtered

Client Name/Address:	P.O. #: 10/23/03
CDM 18581 Teller Ave Ste 200 Irvine CA 92612	Project: PTI
Project Manager/Phone Number: S. Wallin	Phone Number: 949 752 5452
Sampler: R. Douglas	Fax Number: 949 752 1307

ANALYSIS REQUIRED

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	8260B	8081, 8082, 8270, 8290, 8141, 8151	metals Appendix IX	Cr(VI) (7199) pH	CN⁻	S⁻²				Special Instructions
PTI-TB03-059	W	VOA	2	10/23/03	HCl	X									
PTI-MW35-059	GW	VOA	3	0730	HCl	X									
		1L Amber	8		—		X								
		500ML poly	1		HNO3			X							
			1		—				X						
			1		NaOH					X					
			1		NaOH/ZnAc						X				
PTI-MW07-059		VOA	3	0800	HCl	X									
		1L Amber	8		—		X								
		500 ML poly	1		HNO3			X							
			1		—				X						
			1		NaOH					X					
			1		NaOH ZnAc						X				
—															
—															

all metals field filtered

INTJ 1266

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	10/23/03 1245		
		[signature]	10-23-03 12:45

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

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

Compound/ M_Z....	..RT.	OK	Ratio	Total.Area...	Area.Peak.1..	Area.Peak.2..	Rel.RT	Compound.Name..	ID..
OCDF			0.76-1.02						
442-444	41:24		0.91	145.82	69.44	76.38	1.005	OCDF	AN
442-444			1 Peak						
OCDD			0.76-1.02						
458-460	41:12		0.87	114.04	53.11	60.93	1.001	OCDD	AN
458-460			1 Peak						
13C12-OCDD			0.76-1.02						
470-472	41:11		0.87	232.41	108.06	124.35	1.000	13C12-OCDD	IS8
470			1 Peak						

Column Description.....

M_Z - Nominal Ion Mass(es)
..RT. - Retention Time (mm:ss)
Rat.1 - Ratio of M/M+2 Ions
OK - RO=Ratio Outside Limits
Rel.RT - Relative Retention Time

*** End of Report ***

Compound/ M_Z....	..RT.	OK	Ratio	Total.Area...	Area.Peak.1..	Area.Peak.2..	Rel.RT	Compound.Name..	ID..
HxCDF			1.05-1.43						
374-376	33:31		1.29	173.66	97.75	75.91	0.998	123478-HxCDF	AN
	33:37		1.30	196.61	111.07	85.54	1.001	123678-HxCDF	AN
	34:05		1.28	171.85	96.41	75.44	1.014	234678-HxCDF	AN
	34:52		1.30	138.35	78.11	60.24	1.038	123789-HxCDF	AN
374-376		4 Peaks							
13C12-HxCDF			0.43-0.59						
384-386	33:30		0.50	286.71	95.23	191.48	0.997	13C12-HxCDF 478	SUR2
	33:36		0.50	327.70	109.88	217.82	1.000	13C12-HxCDF 678	IS4
	34:05		0.51	293.23	99.03	194.20	1.014	13C12-HxCDF 234	ALT2
	34:52		0.51	248.62	83.49	165.13	1.038	13C12-HxCDF 789	ALT1
384-386		4 Peaks							
---------- Above: HxCDF / HxCDD Follows ----------									
HxCDD			1.05-1.43						
390-392	34:11		1.16	97.72	52.57	45.15	0.997	123478-HxCDD	AN
	34:17		1.19	114.67	62.26	52.41	1.000	123678-HxCDD	AN
	34:36		1.19	112.55	61.21	51.34	1.010	123789-HxCDD	AN
390-392		3 Peaks							
13C12-HxCDD			1.05-1.43						
402-404	34:11		1.20	189.25	103.29	85.96	0.997	13C12-HxCDD 478	SUR3
	34:16		1.19	219.92	119.55	100.37	1.000	13C12-HxCDD 678	IS5
	34:36		1.21	224.56	122.84	101.72	1.010	13C12-HxCDD 789	RS2
402-404		3 Peaks							
---------- Above: HxCDD / HpCDF Follows ----------									
HpCDF			0.88-1.20						
408-410	36:30		1.08	132.35	68.77	63.58	1.000	1234678-HpCDF	AN
	38:03		1.06	101.95	52.45	49.50	1.043	1234789-HpCDF	AN
408-410		2 Peaks							
13C12-HpCDF			0.37-0.51						
418-420	36:30		0.44	181.52	55.40	126.12	1.000	13C12-HpCDF 678	IS6
	38:03		0.41	143.95	41.97	101.98	1.043	13C12-HpCDF 789	SUR4
418-420		2 Peaks							
---------- Above: HpCDF / HpCDD Follows ----------									
HpCDD			0.88-1.20						
424-426	37:32		1.01	78.49	39.38	39.11	1.000	1234678-HpCDD	AN
424-426		1 Peak							
13C12-HpCDD			0.88-1.20						
436-438	37:32		1.04	155.58	79.27	76.31	1.000	13C12-HpCDD 678	IS7
436-438		1 Peak							
---------- Above: HpCDD / Octa-CDD and CDF Follows ----									

Compound/ M_Z....	..RT.	OK	Ratio	Total.Area...	Area.Peak.1..	Area.Peak.2..	Rel.RT	Compound.Name..	ID..
TCDF		0.65-0.89							
304-306	23:06		0.81	62.25	27.95	34.30	0.882	1368-TCDF	AN
	25:50		0.80	58.68	26.14	32.54	0.986	1278-TCDF	AN
	26:12		0.83	61.99	28.08	33.91	1.000	2378-TCDF	AN
304-306		3 Peaks							
13C12-TCDF		0.65-0.89							
316-318	26:12		0.74	542.59	230.27	312.32	1.000	13C12-2378-TCDF	IS0
316-318		1 Peak							
---------- Above: TCDF / TCDD Follows ----------									
TCDD		0.65-0.89							
320-322	24:25		0.79	42.65	18.83	23.82	0.908	1368-TCDD	AN
	24:49		0.75	36.03	15.50	20.53	0.923	1379-TCDD	AN
	26:54		0.79	41.61	18.36	23.25	1.000	2378-TCDD	AN
320		3 Peaks							
37Cl-TCDD									
328	26:55			38.16	38.16		1.001	37Cl-TCDD	CLS
328-330		1 Peak							
13C12-TCDD		0.65-0.89							
332-334	26:42		0.80	360.15	160.22	199.93	0.993	13C12-1234-TCDD	RS1
	26:54		0.81	354.89	158.50	196.39	1.000	13C12-2378-TCDD	IS1
332-334		2 Peaks							
---------- Above: TCDD / PeCDF Follows ----------									
PeCDF		1.32-1.78							
340-342	30:06		1.52	239.16	144.22	94.94	1.001	12378-PeCDF	AN
	30:48		1.56	205.99	125.39	80.60	1.024	23478-PeCDF	AN
340-342		2 Peaks							
13C12-PeCDF		1.32-1.78							
352-354	30:05		1.50	374.00	224.67	149.33	1.000	13C12-PeCDF 123	IS2
	30:46		1.51	356.98	214.92	142.06	1.023	13C12-PeCDF 234	SUR1
352-354		2 Peaks							
---------- Above: PeCDF / PeCDD Follows ----------									
PeCDD		1.32-1.78							
356-358	31:07		1.57	121.91	74.49	47.42	1.000	12378-PeCDD	AN
356-358		1 Peak							
13C12-PeCDD		1.32-1.78							
368-370	31:07		1.47	212.69	126.47	86.22	1.000	13C12-PeCDD 123	IS3
368-370		1 Peak							
---------- Above: PeCDD / HxCDF Follows ----------									

13C12-PeCDF 123	1.038	1.50	26:05 34:05	30:05	1.0000	1.092	-0.054	-4.9%
13C12-PeCDD 123	0.591	1.47	27:07 35:07	31:07	1.0000	0.636	-0.045	-7.1%
13C12-HxCDF 678	1.459	0.50	29:36 37:36	33:36	1.0000	1.288	0.171	13.3%
13C12-HxCDD 678	0.979	1.19	33:16 35:16	34:16	1.0000	1.022	-0.043	-4.2%
13C12-HpCDF 678	0.808	0.44	34:30 40:30	36:30	1.0000	0.870	-0.062	-7.1%
13C12-HpCDD 678	0.693	1.04	36:32 38:32	37:32	1.0000	0.761	-0.068	-9.0%
13C12-OCDD	0.517	0.87	41:04 41:24	41:11	1.0000	0.692	-0.175	-25.2%

Recovery Standard Summary

Name	RF	Ratio 1&2	RT Lo/High	RT	Rel. RT	ICal RF	Delta RF	%D
13C12-1234-TCDD	1.000	0.80	24:54 28:54	26:42	0.9926	1.000	0.000	0.0%
13C12-HxCDD 789	1.000	1.21	33:16 35:16	34:36	1.0096	1.000	0.000	0.0%

QC Front End Check: 1.5270 TetraRS/HexaRS: 1.304

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123789-HxCDF	0.844	1.30		34:52	1.0378	0.978	-0.134	-13.7%
TOTAL HxCDF	1.038	1.29				1.124	-0.086	-7.6%
123478-HxCDD	0.889	1.16	32:53 34:44	34:11	0.9974	0.984	-0.095	-9.7%
123678-HxCDD	1.043	1.19		34:17	1.0003	1.072	-0.029	-2.7%
123789-HxCDD	1.024	1.19		34:36	1.0096	0.990	0.034	3.4%
TOTAL HxCDD	0.985	1.18				1.015	-0.030	-3.0%
1234678-HpCDF	1.458	1.08	36:21 38:14	36:30	1.0000	1.478	-0.020	-1.3%
1234789-HpCDF	1.123	1.06		38:03	1.0425	1.229	-0.106	-8.6%
TOTAL HpCDF	1.291	1.07				1.353	-0.062	-4.6%
1234678-HpCDD	1.009	1.01	36:38 37:43	37:32	1.0000	0.990	0.019	1.9%
TOTAL HpCDD	1.009	1.01				0.990	0.019	1.9%
OCDF	1.255	0.91	37:11 45:11	41:24	1.0053	1.297	-0.042	-3.2%
OCDD	0.981	0.87	37:11 45:11	41:12	1.0005	1.003	-0.022	-2.2%

Other Standard Summary

Name	RF	Ratio 1&2	RT Lo/High	RT	Rel. RT	ICal RF	Delta RF	%D
37Cl-TCDD	1.075		24:54 28:54	26:55	1.0007	1.166	-0.091	-7.8%
13C12-PeCDF 234	0.954	1.51	26:05 34:05	30:46	1.0229	0.916	0.038	4.2%
13C12-HxCDF 478	0.875	0.50	29:36 37:36	33:30	0.9970	0.923	-0.048	-5.2%
13C12-HxCDF 234	0.895	0.51		34:05	1.0143	0.992	-0.097	-9.8%
13C12-HxCDF 789	0.759	0.51		34:52	1.0378	0.858	-0.099	-11.6%
13C12-HxCDD 478	0.861	1.20	33:16 35:16	34:11	0.9974	0.917	-0.056	-6.2%
13C12-HpCDF 789	0.793	0.41	34:30 40:30	38:03	1.0425	0.826	-0.033	-4.0%

Internal Standard Summary

Name	RF	Ratio 1&2	RT Lo/High	RT	Rel. RT	ICal RF	Delta RF	%D
13C12-2378-TCDF	1.507	0.74	25:12 27:12	26:12	1.0000	1.353	0.154	11.4%
13C12-2378-TCDD	0.985	0.81	24:54 28:54	26:54	1.0000	0.937	0.048	5.2%

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Date: 10/29/2003 TRIANGLE LABORATORIES, INC.

Continuing Calibration for T035313

Analysis Date....: 10/28/2003 Method.....: MIT3
Operator.....: VSC Instrument..: T
Init Calibration.: TF53183 Std.Conc....: 10.00
ICal Date.....: 03/18/2003

Analyte Summary

Name	RF	Ratio 1&2	RT Lo/High	RT	Rel. RT	ICal RF	Delta RF	%D
Total MCDF	0.000		6:12 20:12			0.000	0.000	100.0%
Total MCDD	0.000		6:54 20:54			0.000	0.000	100.0%
Total DCDF	0.000		13:12 21:12			0.000	0.000	100.0%
Total DCDD	0.000		13:54 21:54			0.000	0.000	100.0%
Total TriCDF	0.000		17:12 24:12			0.000	0.000	100.0%
Total TriCDD	0.000		18:54 24:54			0.000	0.000	100.0%
1368-TCDF	1.147	0.81	22:55 28:06	23:06	0.8817	1.228	-0.081	-6.6%
1278-TCDF	1.081	0.80		25:50	0.9859	1.137	-0.056	-4.9%
2378-TCDF	1.142	0.83		26:12	1.0000	1.139	0.003	0.3%
TOTAL TCDF	1.142	0.82				1.139	0.003	0.3%
1368-TCDD	1.202	0.79	24:13 28:03	24:25	0.9078	1.222	-0.020	-1.7%
1379-TCDD	1.015	0.75		24:49	0.9227	1.083	-0.068	-6.3%
2378-TCDD	1.172	0.79		26:54	1.0000	1.251	-0.079	-6.3%
TOTAL TCDD	1.172	0.78				1.251	-0.079	-6.3%
12378-PeCDF	1.279	1.52	27:57 31:56	30:06	1.0007	1.284	-0.005	-0.4%
23478-PeCDF	1.102	1.56		30:48	1.0239	1.027	0.075	7.3%
TOTAL PeCDF	1.190	1.54				1.156	0.034	3.0%
12378-PeCDD	1.146	1.57	29:11 31:46	31:07	1.0000	1.179	-0.033	-2.8%
TOTAL PeCDD	1.146	1.57				1.179	-0.033	-2.8%
123478-HxCDF	1.060	1.29	32:24 35:07	33:31	0.9976	1.139	-0.079	-6.9%
123678-HxCDF	1.200	1.30		33:37	1.0006	1.195	0.005	0.4%
234678-HxCDF	1.049	1.28		34:05	1.0143	1.185	-0.136	-11.5%

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TRIANGLE LABORATORIES, INC. Date: 03/19/2003
Initial Calibration Summary for TF53183

Internal Standards	RF	SD	%RSD	RT	RT/LO	RT/HI	Ratio1	Ratio2	N
13C12-2378-TCDF	1.353	0.068	5%	26:42	25:42	27:42	0.742		6
13C12-2378-TCDD	0.937	0.034	4%	27:24	25:24	29:24	0.817		6
13C12-PeCDF 123	1.092	0.083	8%	30:33	26:33	34:33	1.471		6
13C12-PeCDD 123	0.636	0.070	11%	31:33	27:33	35:33	1.460		6
13C12-HxCDF 678	1.288	0.041	3%	34:02	30:02	38:02	0.501		6
13C12-HxCDD 678	1.022	0.043	4%	34:43	33:43	35:43	1.204		6
13C12-HpCDF 678	0.870	0.026	3%	37:00	35:00	41:00	0.433		6
13C12-HpCDD 678	0.761	0.024	3%	38:03	37:03	39:03	1.015		6
13C12-OCDD	0.692	0.026	4%	41:50	39:50	43:50	0.857		6

Recovery Standards	RF	SD	%RSD	RT	RT/LO	RT/HI	Ratio1	Ratio2	N
13C12-1234-TCDD	1.000	0.000	0%	27:13			0.827		6
13C12-HxCDD 789	1.000	0.000	0%	35:03			1.204		6

*** End of Report ***

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TRIANGLE LABORATORIES, INC. Date: 03/19/2003
Initial Calibration Summary for TF53183

Analysis Date....: 03/18/2003 Method.....: MIT3
Instrument.....: T

Analytes	RF	SD	%RSD	RT	RT/LO	RT/HI	Ratio1	Ratio2	N
Total MCDF	0.000	0.000	100%		6:42	20:42			0
Total MCDD	0.000	0.000	100%		7:24	21:24			0
Total DCDF	0.000	0.000	100%		13:42	21:42			0
Total DCDD	0.000	0.000	100%		14:24	22:24			0
Total TriCDF	0.000	0.000	100%		17:42	24:42			0
Total TriCDD	0.000	0.000	100%		19:24	25:24			0
1368-TCDF	1.228	0.049	4%	23:41	25:42	32:42	0.787		6
1278-TCDF	1.137	0.058	5%	26:20			0.807		6
2378-TCDF	1.139	0.059	5%	26:44			0.825		6
TOTAL TCDF	1.139	0.059	5%				0.805		6
1368-TCDD	1.222	0.082	7%	24:58	26:24	33:24	0.795		6
1379-TCDD	1.083	0.100	9%	25:20			0.756		6
2378-TCDD	1.251	0.048	4%	27:25			0.747		6
TOTAL TCDD	1.251	0.048	4%				0.765		6
12378-PeCDF	1.284	0.019	1%	30:34	26:33	34:33	1.499		6
23478-PeCDF	1.027	0.010	1%	31:14			1.488		6
TOTAL PeCDF	1.156	0.013	1%				1.494		6
12378-PeCDD	1.179	0.025	2%	31:34	27:33	35:33	1.538		6
TOTAL PeCDD	1.179	0.025	2%				1.538		6
123478-HxCDF	1.139	0.027	2%	33:57	30:02	38:02	1.264		6
123678-HxCDF	1.195	0.023	2%	34:03			1.257		6
234678-HxCDF	1.185	0.068	6%	34:32			1.270		6
123789-HxCDF	0.978	0.023	2%	35:20			1.262		6
TOTAL HxCDF	1.124	0.032	3%				1.263		6
123478-HxCDD	0.984	0.028	3%	34:39	30:43	38:43	1.214		6
123678-HxCDD	1.072	0.041	4%	34:44			1.204		6
123789-HxCDD	0.990	0.049	5%	35:04			1.213		6
TOTAL HxCDD	1.015	0.030	3%				1.210		6
1234678-HpCDF	1.478	0.030	2%	37:00	33:00	41:00	1.050		6
1234789-HpCDF	1.229	0.045	4%	38:35			1.078		6
TOTAL HpCDF	1.353	0.029	2%				1.062		6
1234678-HpCDD	0.990	0.039	4%	38:04	34:03	42:03	1.038		6
TOTAL HpCDD	0.990	0.039	4%				1.038		6
OCDF	1.297	0.053	4%	42:03	37:50	45:50	0.898		6
OCDD	1.003	0.020	2%	41:51	37:50	45:50	0.827		6

Other Standards	RF	SD	%RSD	RT	RT/LO	RT/HI	Ratio1	Ratio2	N
37Cl-TCDD	1.166	0.062	5%	27:25	25:24	29:24			6
13C12-PeCDF 234	0.916	0.016	2%	31:13	28:33	32:33	1.479		6
13C12-HxCDF 478	0.923	0.013	1%	33:56			0.502		6
13C12-HxCDF 234	0.992	0.063	6%	34:32			0.499		6
13C12-HxCDF 789	0.858	0.023	3%	35:20			0.500		6
13C12-HxCDD 478	0.917	0.035	4%	34:38			1.209		6
13C12-HpCDF 789	0.826	0.021	3%	38:35	35:00	41:00	0.433		6

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CALIBRATION DATA

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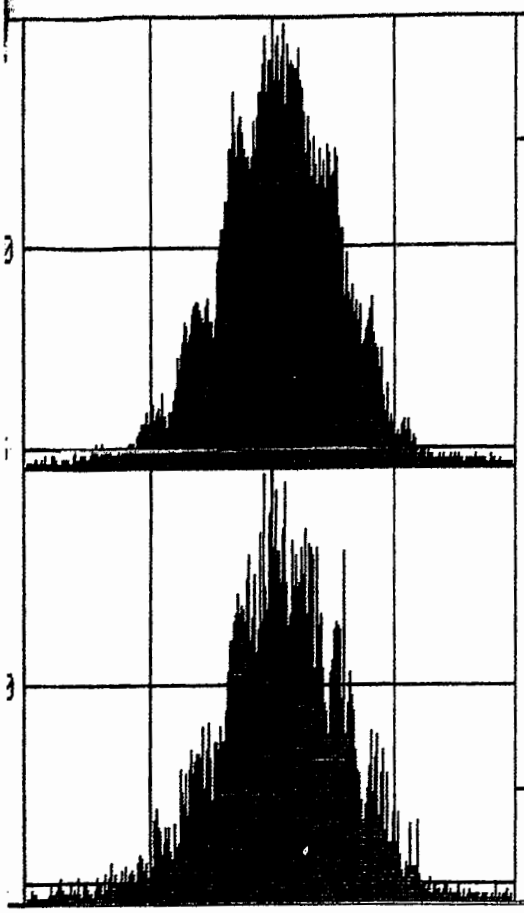
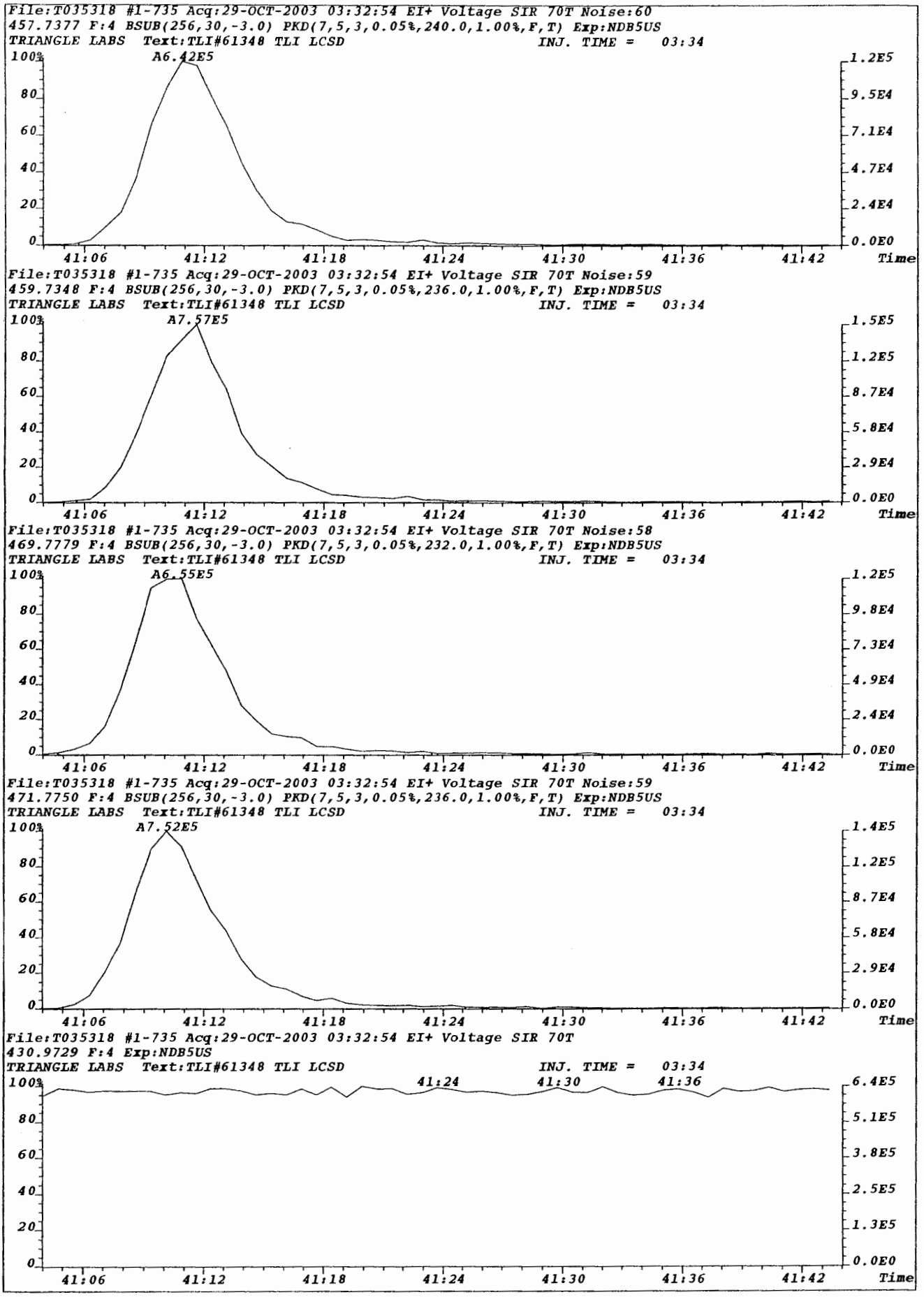


Channel I 330.9792 Peak top
Height .36 volts Span 200 ppm

System file name	NDB5US
Data file name	A:T029031
Resolution	10000
Group number	2
Ionization mode	EI+
Switching	VOLTAGE
Ref. masses	292.9825, 416.9760

A	293	J	331	S	368
B	304	K	332	T	370
C	306	L	334	U	376
D	316	M	340	V	410
E	318	N	342		
F	320	O	352		
G	322	P	354		
H	328	Q	356		
I	331	R	358		

Ref. mass 416.9760 Peak top
Height .06 volts Span 200 ppm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457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
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459.7348 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A7.57E5
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469.7779 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,232.0,1.00%,F,T) Exp:NDB5US
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A6.55E5
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471.7750 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A7.52E5
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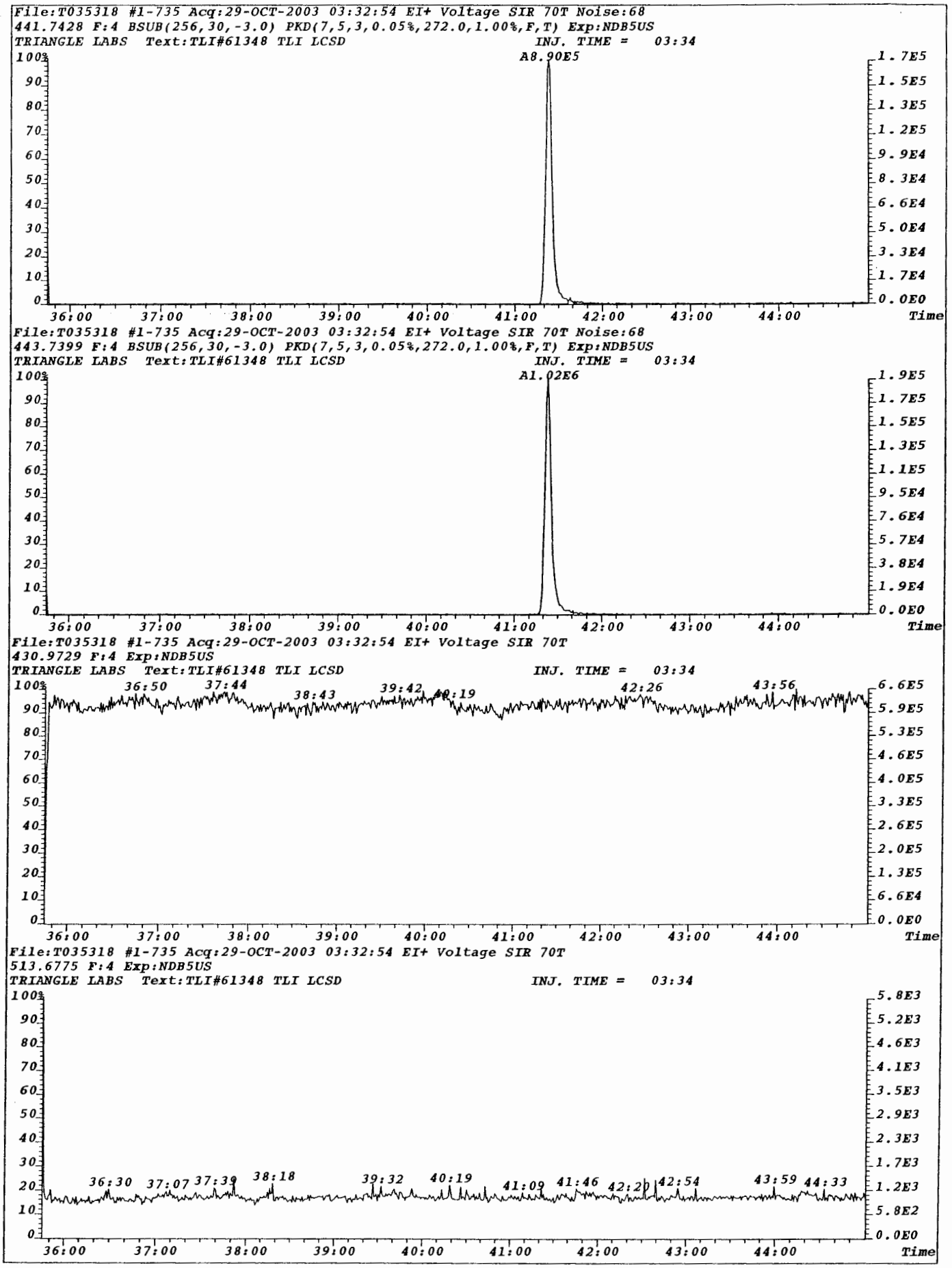
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
Time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TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
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443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
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INJ. TIME = 03:34
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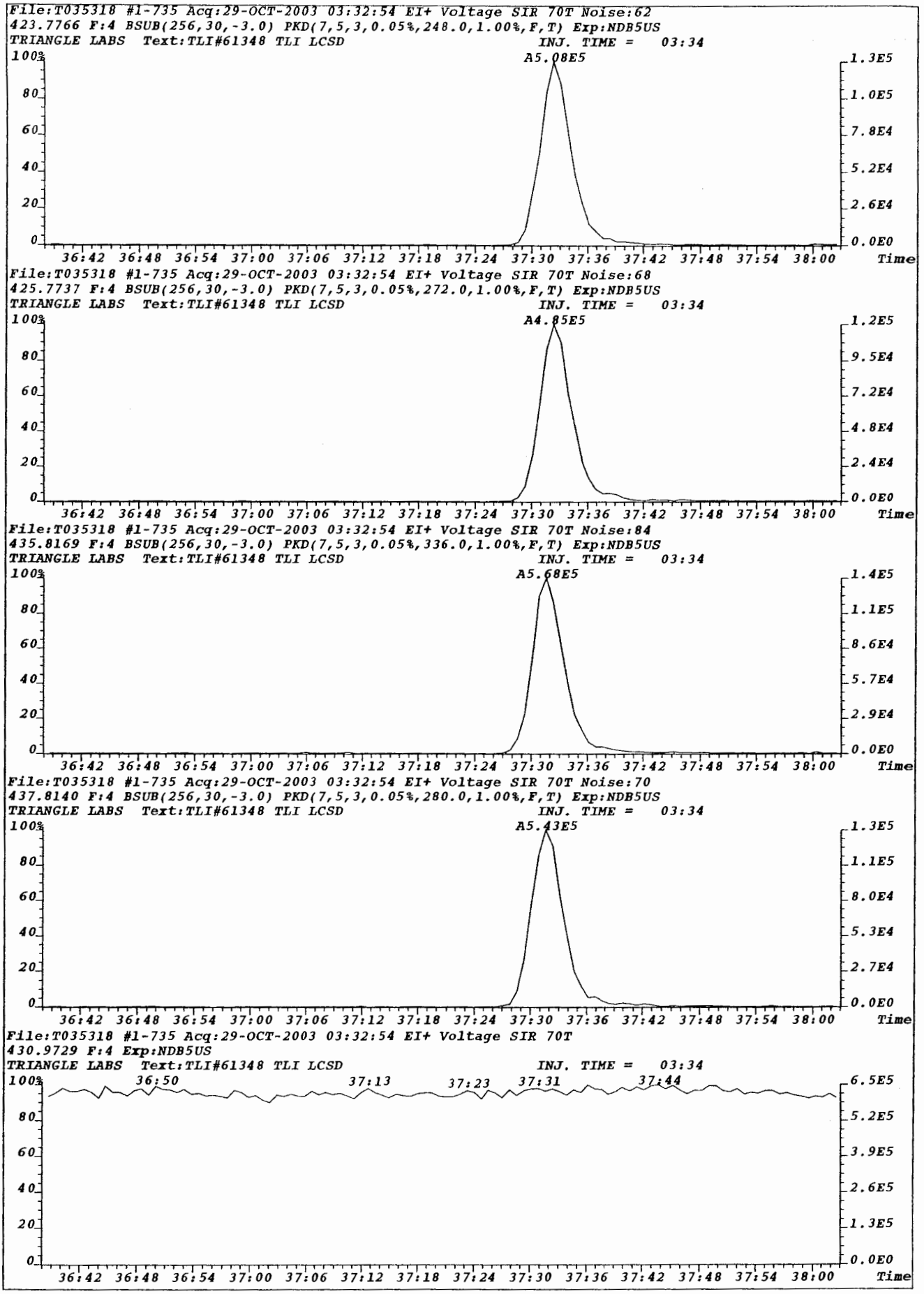
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
36:50 37:44 38:43 39:42 40:19 42:26 43:56
File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
36:30 37:07 37:39 38:18 39:32 40:19 41:09 41:46 42:20 42:54 43:59 44:33
36:00 37:00 38:00 39:00 40:00 41:00 42:00 43:00 44:00 Time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TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A5.08E5
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425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A4.85E5
File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:84
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,336.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A5.68E5
File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:70
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A5.43E5
File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
36:50
37:13
37:23
37:31
37:44
Time

File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:91
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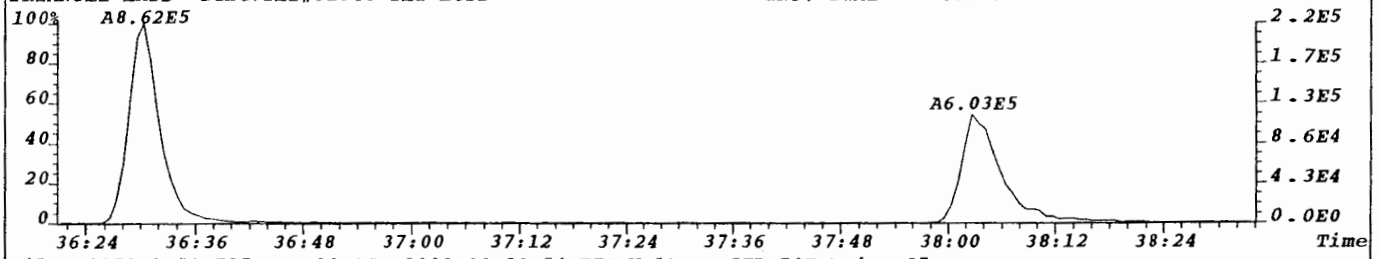
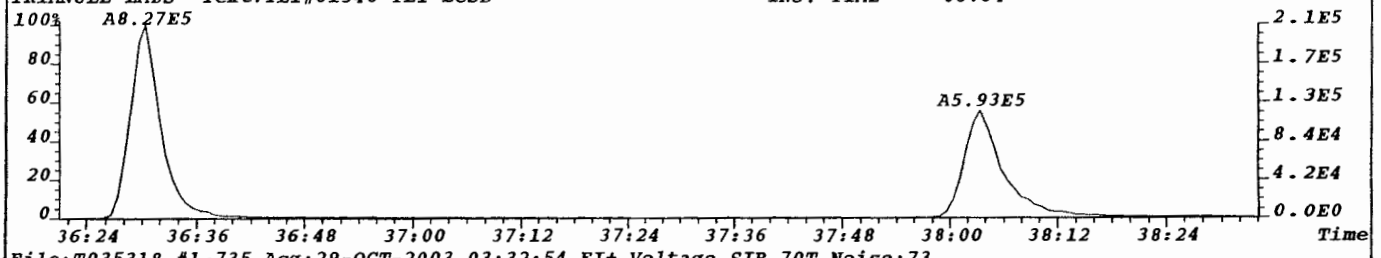
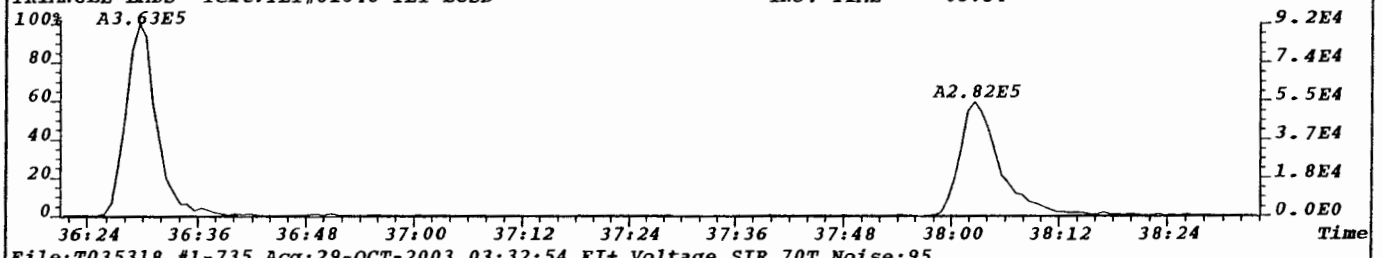


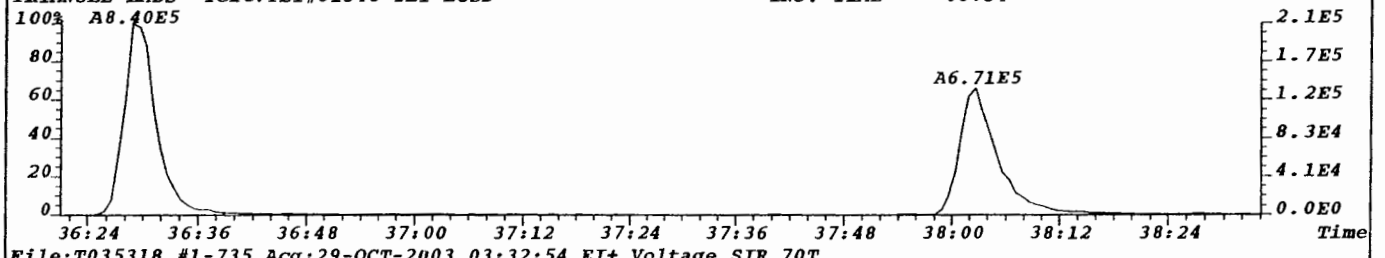
File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:97
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,388.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34



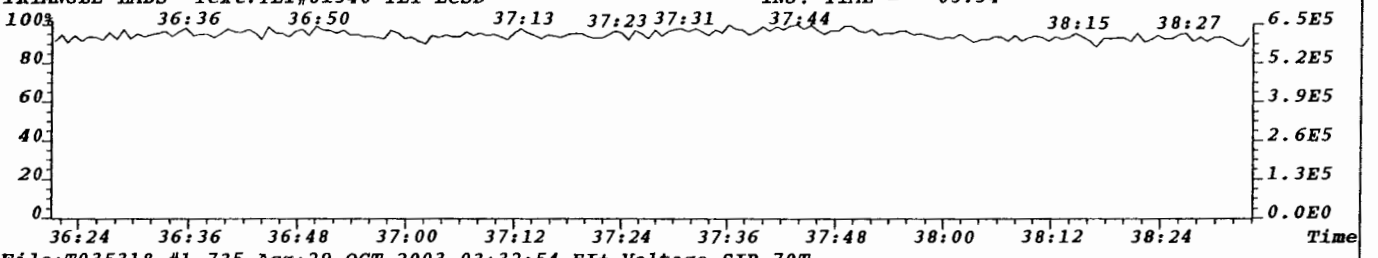
File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:73
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,292.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34



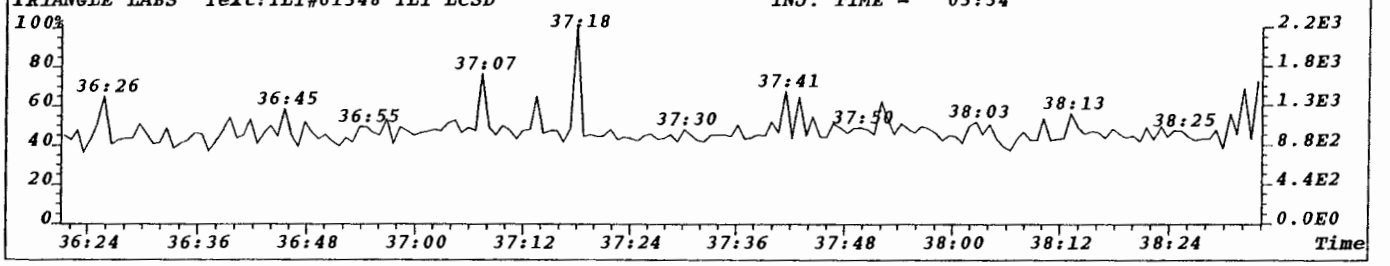
File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:95
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,380.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34

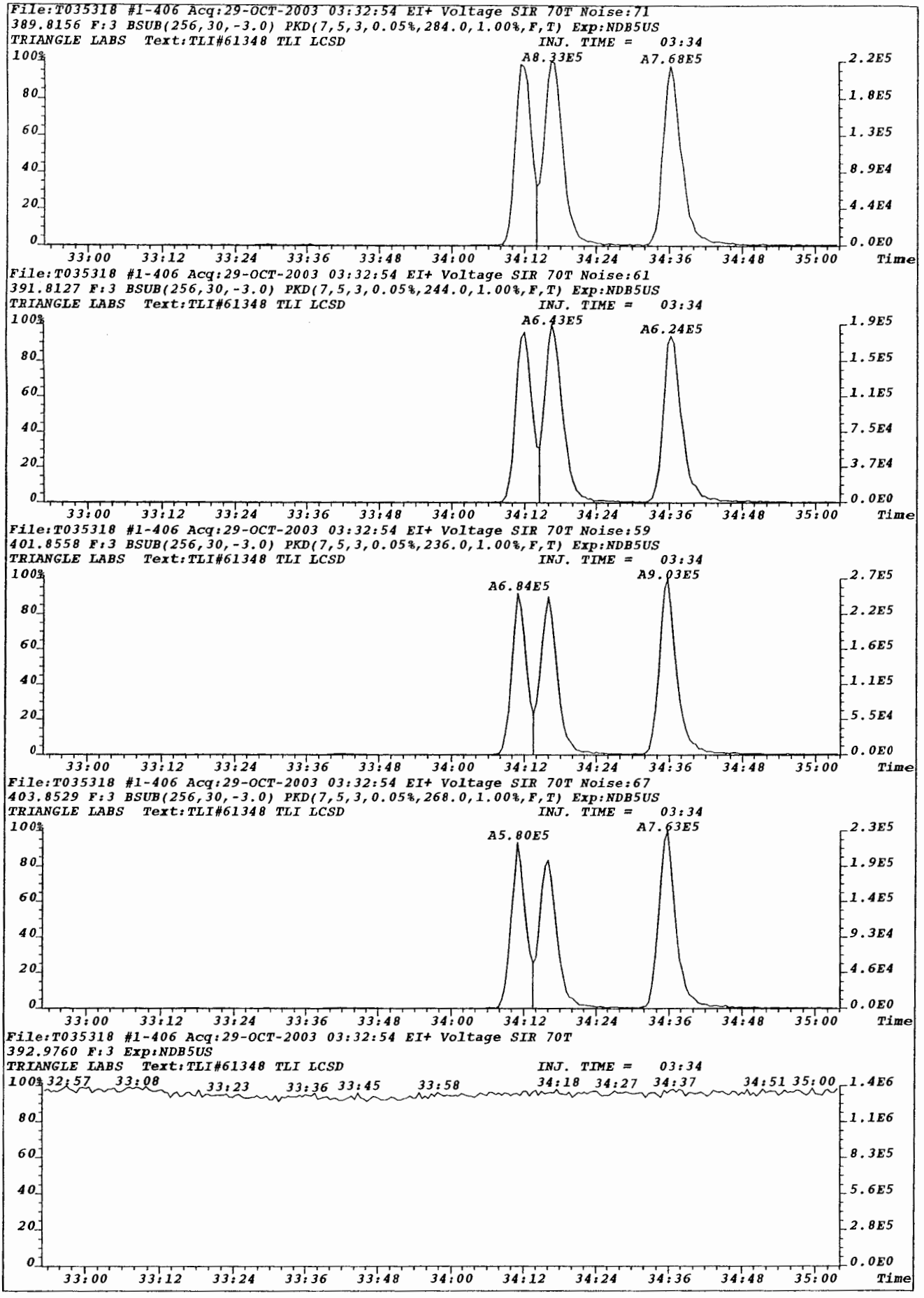


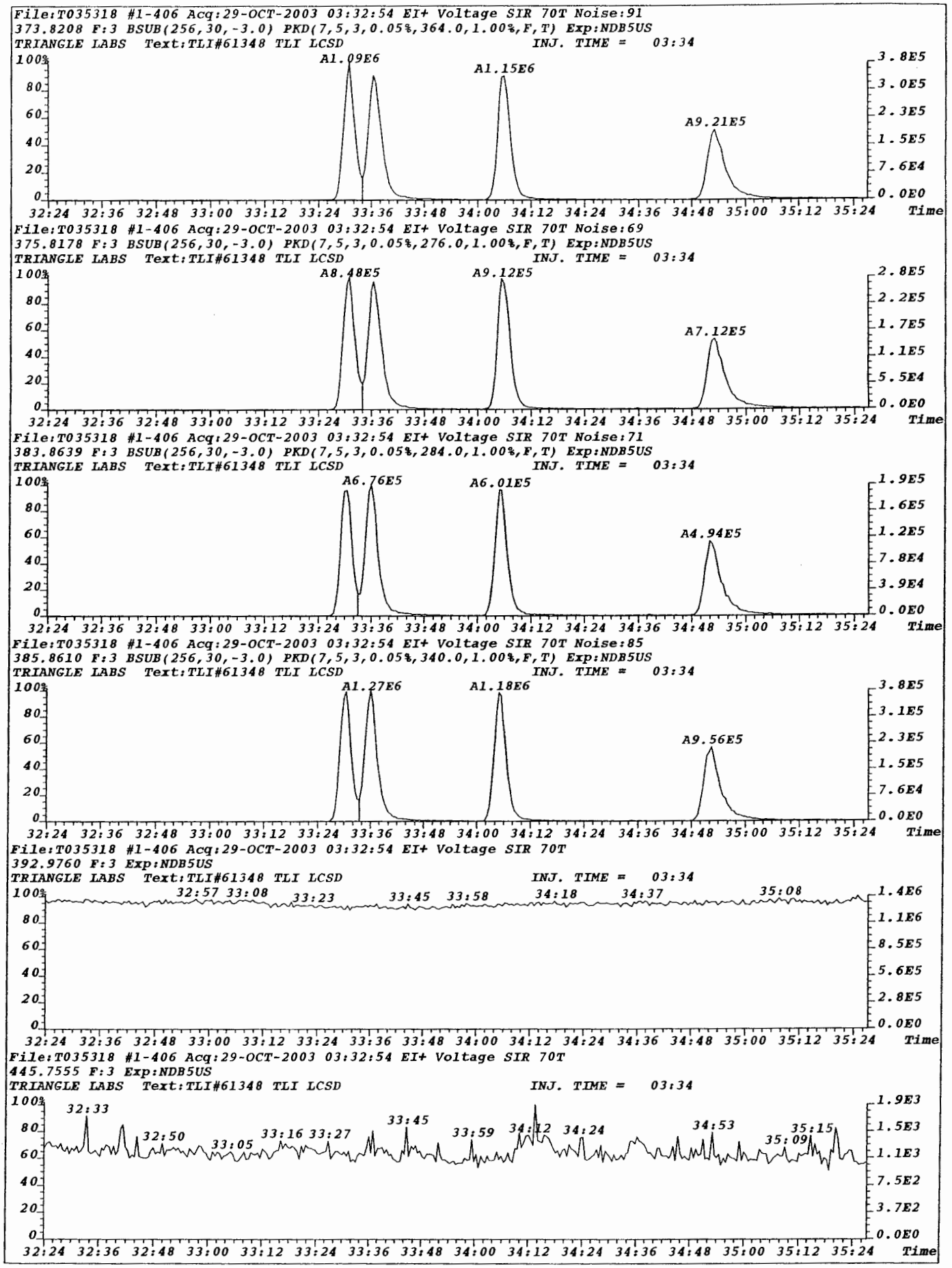
File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34

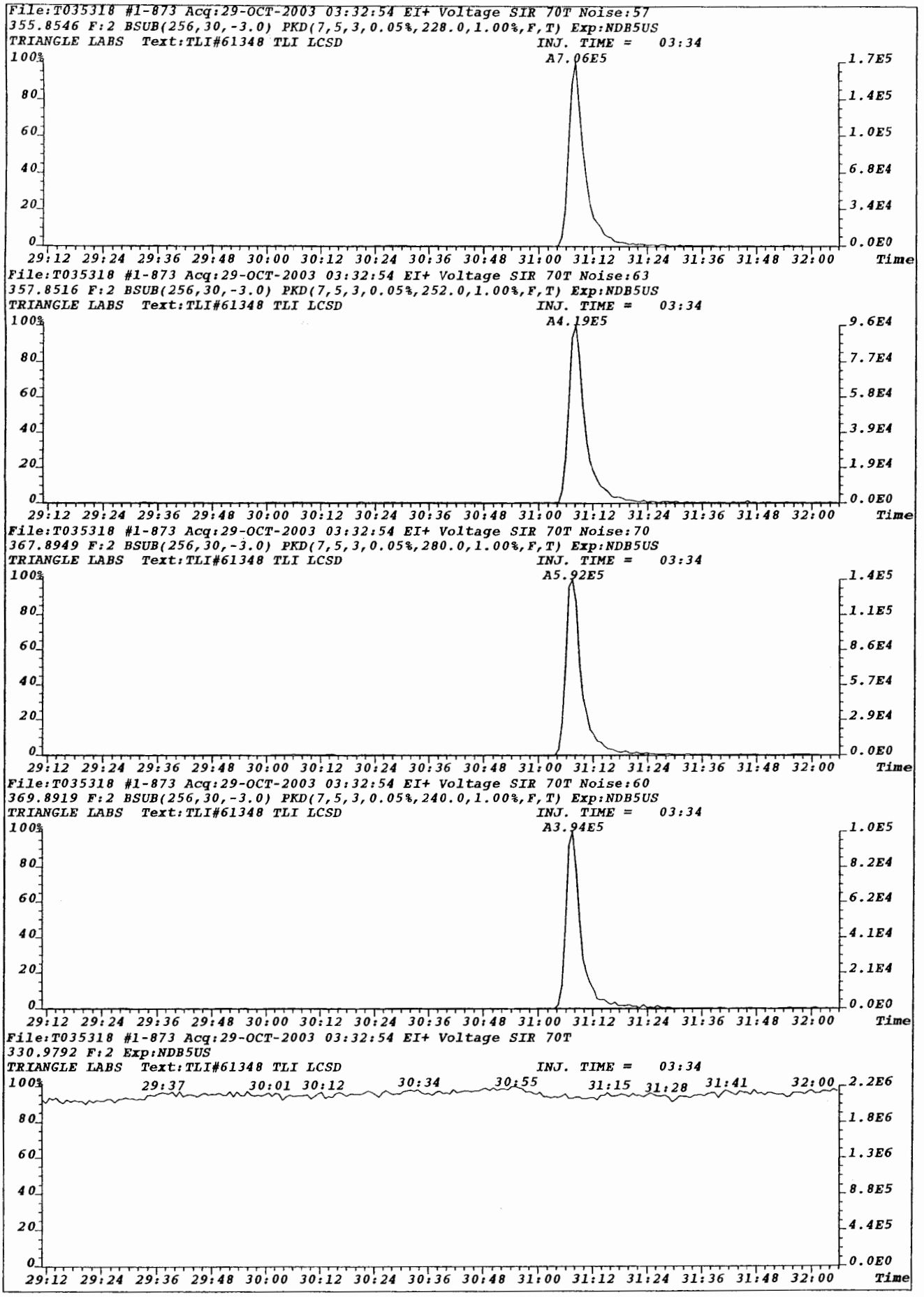


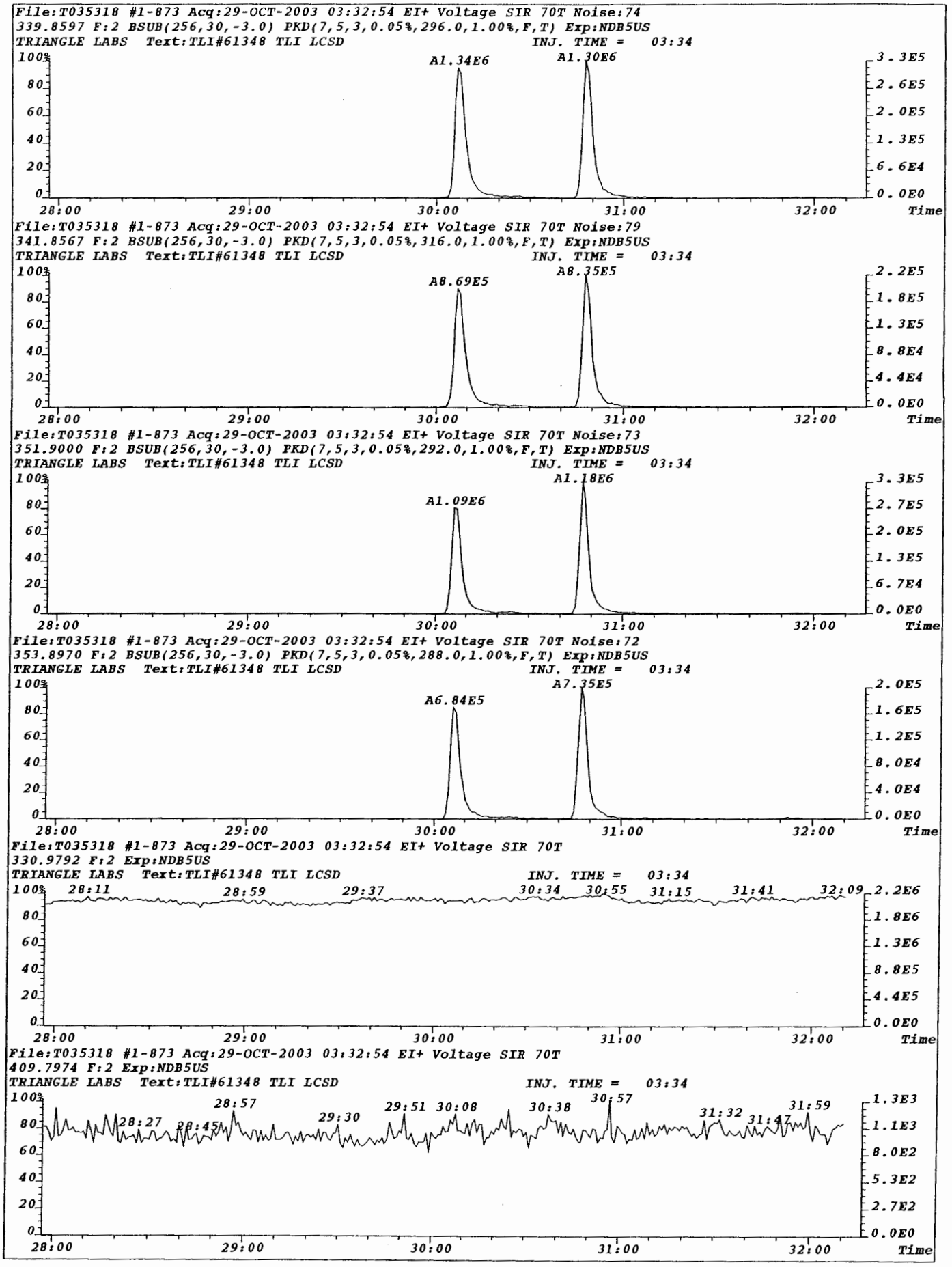
File:T035318 #1-735 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34

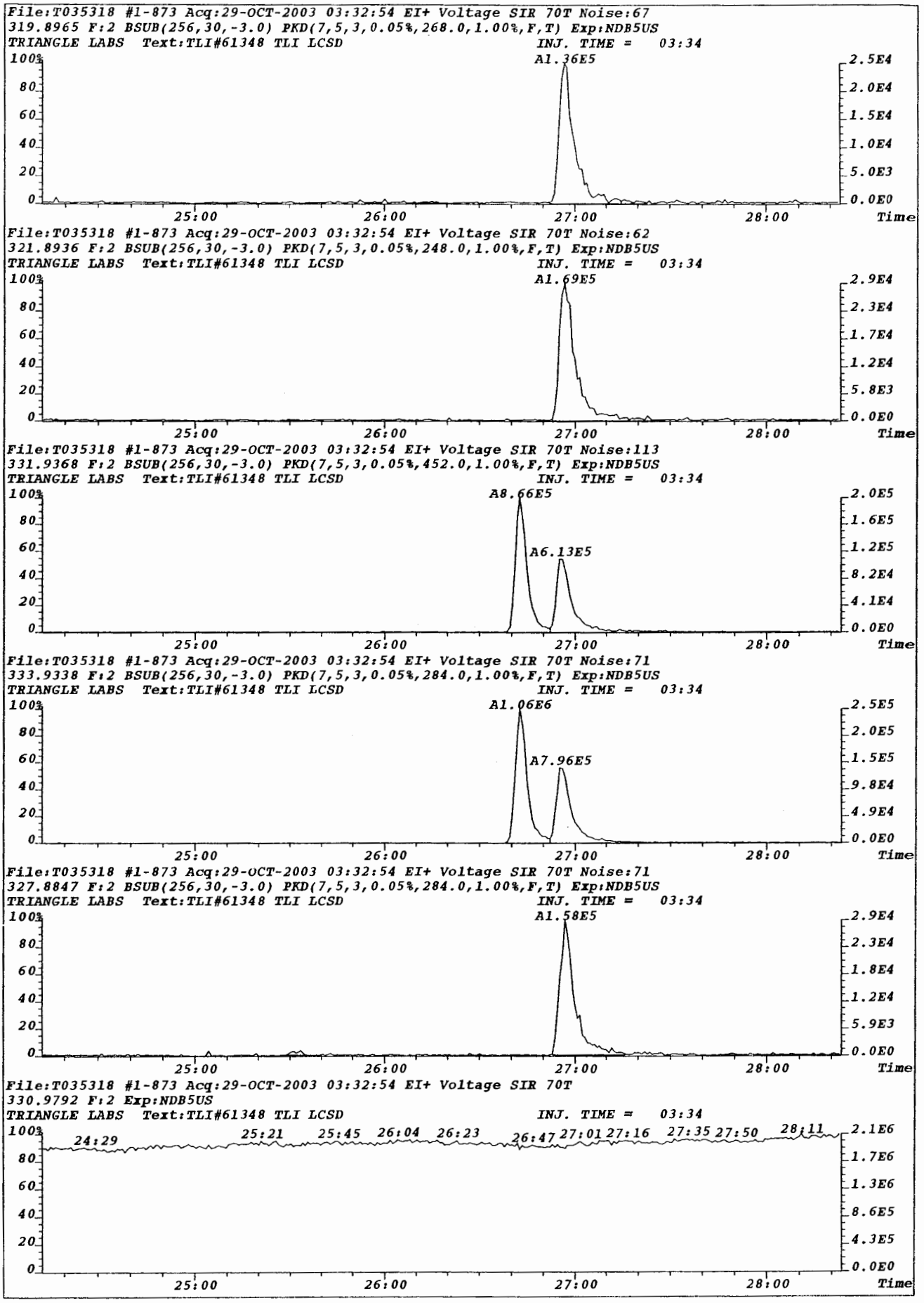


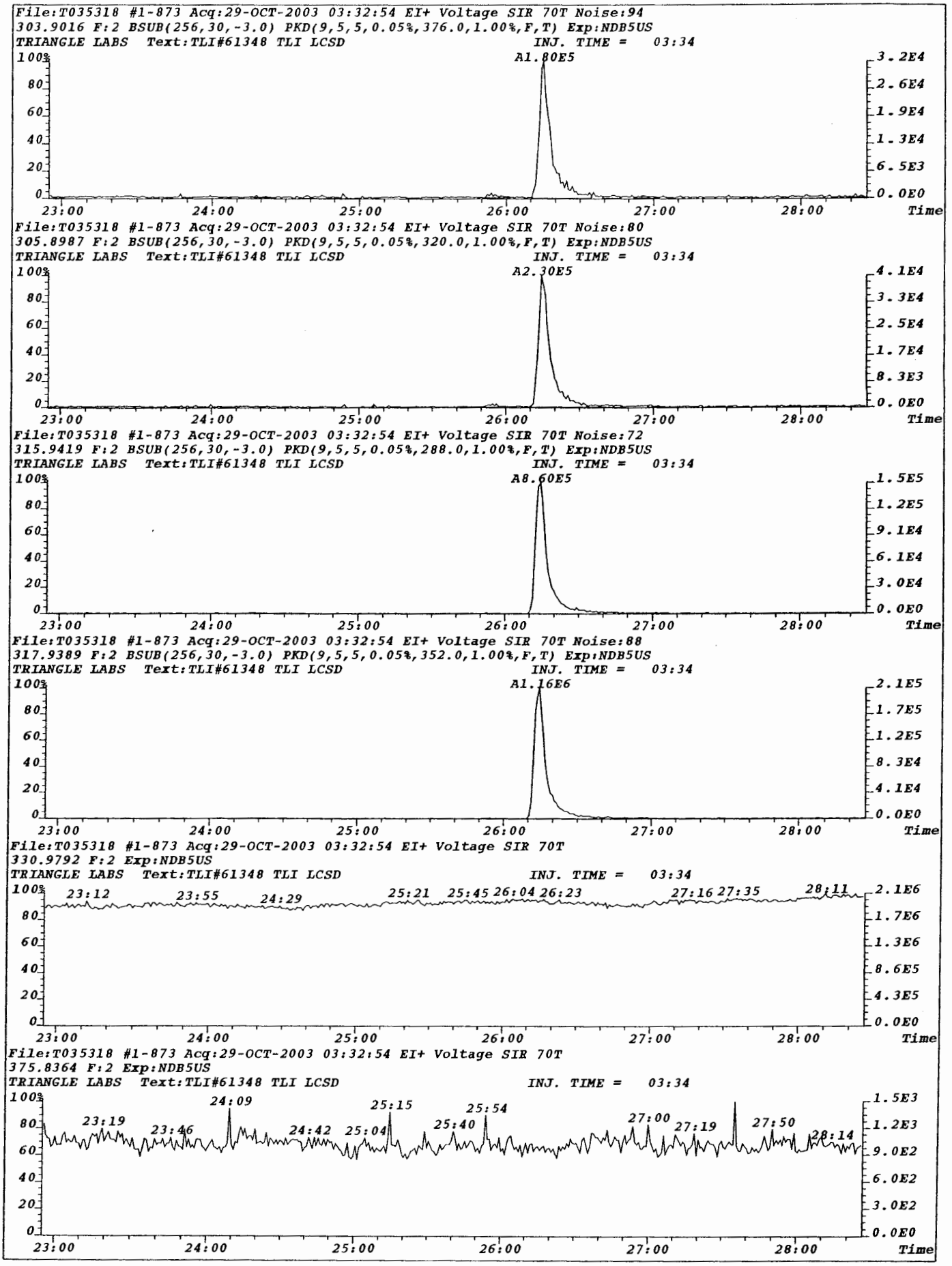

File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:71
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A8.33E5
A7.68E5
File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:61
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A6.43E5
A6.24E5
File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:59
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A6.84E5
A9.03E5
File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:67
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A5.80E5
A7.63E5
File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
Time


File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:91
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,364.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A1.09E6
A1.15E6
A9.21E5
File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:69
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A8.48E5
A9.12E5
A7.12E5
File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:71
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A6.76E5
A6.01E5
A4.94E5
File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:85
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,340.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A1.27E6
A1.18E6
A9.56E5
File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
File:T035318 #1-406 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
Time


File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:57
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,228.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A7.06E5
1.7E5
1.4E5
1.0E5
6.8E4
3.4E4
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:63
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A4.19E5
9.6E4
7.7E4
5.8E4
3.9E4
1.9E4
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:70
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A5.92E5
1.4E5
1.1E5
8.6E4
5.7E4
2.9E4
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:60
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A3.94E5
1.0E5
8.2E4
6.2E4
4.1E4
2.1E4
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
29:37 30:01 30:12 30:34 30:55 31:15 31:28 31:41 32:00
2.2E6
1.8E6
1.3E6
8.8E5
4.4E5
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00 Time


File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:74
339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,296.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A1.34E6
A1.30E6
Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:79
341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,316.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A8.69E5
A8.35E5
Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:73
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,292.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A1.09E6
A1.18E6
Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:72
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A6.84E5
A7.35E5
Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
28:11
28:59
29:37
30:34
30:55
31:15
31:41
32:09
Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
28:27
28:45
28:57
29:30
29:51
30:08
30:38
30:57
31:32
31:47
31:59
Time


File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:67
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A1.36E5
100%
80
60
40
20
0
2.5E4
2.0E4
1.5E4
1.0E4
5.0E3
0.0E0
25:00
26:00
27:00
28:00
Time
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:62
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,248.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A1.69E5
2.9E4
2.3E4
1.7E4
1.2E4
5.8E3
0.0E0
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:113
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,452.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A8.66E5
A6.13E5
2.0E5
1.6E5
1.2E5
8.2E4
4.1E4
0.0E0
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:71
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A1.06E6
A7.96E5
2.5E5
2.0E5
1.5E5
9.8E4
4.9E4
0.0E0
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:71
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
A1.58E5
2.9E4
2.3E4
1.8E4
1.2E4
5.9E3
0.0E0
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD
INJ. TIME = 03:34
24:29
25:21
25:45
26:04
26:23
26:47
27:01
27:16
27:35
27:50
28:11
2.1E6
1.7E6
1.3E6
8.6E5
4.3E5
0.0E0


File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:94
303.9016 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,376.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A1.80E5
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:80
305.8987 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,320.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A2.30E5
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:72
315.9419 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A8.60E5
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T Noise:88
317.9389 F:2 BSUB(256,30,-3.0) PKD(9,5,5,0.05%,352.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
A1.16E6
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
23:12 23:55 24:29 25:21 25:45 26:04 26:23 27:16 27:35 28:11
File:T035318 #1-873 Acq:29-OCT-2003 03:32:54 EI+ Voltage SIR 70T
375.8364 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCSD INJ. TIME = 03:34
23:19 23:46 24:09 24:42 25:04 25:15 25:40 25:54 27:00 27:19 27:50 28:14
23:00 24:00 25:00 26:00 27:00 28:00 Time

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
	DC	SN		43:46	RO	4.00	0.04			1.063			
				43:56	RO	0.70	0.30	0.14	0.20	1.067			
	DC	SN		44:02	RO	0.34	0.21			1.069			
442-444			3 Peaks				192.22						
OCDD				0.76-1.02						0.903-1.097			
458-460	DC	NL		Height			0.10	0.05	0.05				
				41:11		0.85	139.90	64.20	75.70	1.000	OCDD		AN
	DC	SN		41:38	RO	0.46	0.36			1.011			
458-460			1 Peak				139.90						
13C12-OCDD				0.76-1.02						0.997-1.005			
470-472	DC	NL		Height			0.10	0.05	0.05				
				41:11		0.87	140.69	65.53	75.16	1.000	13C12-OCDD		IS8
				Height			26.68	12.21	14.47				
	DC	WH		41:27	RO	2.23	0.66			1.006			
470-472			1 Peak				140.69						

Column Description.....	"Why" Code Description.....	QC Log Desc.....
M_Z -Nominal Ion Mass(es)	WL-Below Retention Time Window	A-Peak Added
..RT. -Retention Time (mm:ss)	WH-Above Retention Time Window	K-Peak Kept
Rat.1 -Ratio of M/M+2 Ions	SN-Below Signal to Noise Level	D-Peak Deleted
OK -RO=Ratio Outside Limits	<M-Below Method Detection Limit	T-Time Changed
Rel.RT-Relative Retention Time	NL-Channel Specific Noise Level	M-Peak Area Changed
		N-Name Changed
		X-Ether Interference

*** End of Report ***

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
---------- Above: HxCDD / HpCDF Follows ----------													
HpCDF						0.88-1.20				0.996-1.047			
408-410	DC	NL				Height	0.15	0.07	0.08				
				36:30		1.04	168.90	86.16	82.74	1.000	1234678-HpCDF	AN	
	DC	SN		37:11	RO	0.75	0.12			1.019			
	DC	SN		37:19	RO	0.80	0.16			1.022			
				38:03		1.02	119.56	60.29	59.27	1.042	1234789-HpCDF	AN	
	DC	WH		38:27	RO	0.47	0.27			1.053			
	DC	WH		38:34	RO	0.50	0.18			1.057			
408-410				2 Peaks			288.46						
13C12-HpCDF						0.37-0.51				0.945-1.110			
418-420	DC	NL				Height	0.14	0.06	0.08				
				36:30		0.43	120.29	36.28	84.01	1.000	13C12-HpCDF 678	IS6	
						Height	29.83	9.18	20.65				
				38:03		0.42	95.36	28.24	67.12	1.042	13C12-HpCDF 789	SUR4	
				38:26	RO	1.00	0.26	0.18	0.18	1.053			
418-420				3 Peaks			215.91						
---------- Above: HpCDF / HpCDD Follows ----------													
HpCDD						0.88-1.20				0.976-1.005			
424-426	DC	NL				Height	0.10	0.05	0.05				
	DC	SN		36:49	RO	0.25	0.14			0.981			
				37:32		1.05	99.30	50.81	48.49	1.000	1234678-HpCDD	AN	
	DC	WH		37:47		1.08	1.02			1.007			
424-426				1 Peak			99.30						
13C12-HpCDD						0.88-1.20				0.973-1.027			
436-438	DC	NL				Height	0.13	0.07	0.06				
				37:32		1.05	111.12	56.81	54.31	1.000	13C12-HpCDD 678	IS7	
						Height	27.59	14.26	13.33				
	DC	SN		37:56	RO	0.43	0.35			1.011			
				38:00		1.10	0.44	0.23	0.21	1.012			
436-438				2 Peaks			111.56						
---------- Above: HpCDD / Octa-CDD and CDF Follows ----------													
OCDF						0.76-1.02				0.903-1.097			
442-444	DC	NL				Height	0.10	0.05	0.05				
	DC	WL		36:21	RO	0.46	0.13			0.883			
	DC	WL		36:31		0.92	0.23			0.887			
	DC	SN		38:17		0.89	0.34			0.930			
	DC	SN		38:43	RO	0.47	0.17			0.940			
	DC	SN		38:54	RO	0.33	0.08			0.945			
	DC	SN		40:27	RO	0.73	0.17			0.982			
				41:23		0.87	190.93	88.95	101.98	1.005	OCDF	AN	
				41:52		0.77	0.99	0.43	0.56	1.017			
	DC	SN		42:00	RO	0.15	0.15			1.020			
	DC	SN		43:25	RO	1.10	0.38			1.054			
	DC	SN		43:40	RO	0.64	0.15			1.060			

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
				34:06		1.26	206.33	115.10	91.23	1.015	234678-HxCDF	AN	
				34:14	RO	1.64	2.04	1.49	0.91	1.019			J
				34:22		1.41	0.82	0.48	0.34	1.023			J
				34:25	RO	0.57	0.43	0.24	0.42	1.024			J
				34:29	RO	1.89	0.40	0.34	0.18	1.026			J
	DC	SN		34:38	RO	3.00	0.31			1.031			
	DC	SN		34:42	RO	1.67	0.20			1.033			
				34:53		1.29	163.24	92.08	71.16	1.038	123789-HxCDF	AN	
	DC	WH		35:15	RO	1.68	0.76			1.049			
374-376			9	Peaks			786.74						
13C12-HxCDF				0.43-0.59					0.881-1.119				
384-386	DC	NL		Height			0.13	0.06	0.07				
	DC	SN		33:16	RO	5.00	0.05			0.990			
				33:30		0.49	168.48	55.77	112.71	0.997	13C12-HxCDF 478	SUR2	
				33:36		0.53	194.64	67.58	127.06	1.000	13C12-HxCDF 678	IS4	
				Height			57.60	19.42	38.18				
	DC	SN		33:54	RO	0.15	0.21			1.009			
				34:05		0.51	178.53	60.06	118.47	1.014	13C12-HxCDF 234	ALT2	
	DC	SN		34:25		0.44	0.36			1.024			
				34:38	RO	3.50	0.18	0.42	0.12	1.031			
				34:52		0.52	144.96	49.40	95.56	1.038	13C12-HxCDF 789	ALT1	
				35:17	RO	0.78	1.13	0.38	0.49	1.050			
384-386			6	Peaks			687.92						
---------- Above: HxCDF / HxCDD Follows ----------													
HxCDD				1.05-1.43					0.960-1.014				
390-392	DC	NL		Height			0.11	0.06	0.05				
	DC	SN		33:29	RO	3.38	0.18			0.977			
				33:37	RO	3.30	0.22	0.33	0.10	0.981			J
	DC	SN		34:06		1.27	0.25			0.995			
				34:11		1.17	121.49	65.44	56.05	0.998	123478-HxCDD	AN	
				34:16		1.30	147.59	83.30	64.29	1.000	123678-HxCDD	AN	
				34:36		1.23	139.19	76.82	62.37	1.010	123789-HxCDD	AN	
	DC	WH		34:51	RO	0.98	0.94			1.017			
	DC	WH		34:57	RO	0.47	0.31			1.020			
390-392			4	Peaks			408.49						
13C12-HxCDD				1.05-1.43					0.971-1.029				
402-404	DC	NL		Height			0.10	0.05	0.05				
				33:42		1.33	1.21	0.69	0.52	0.983			
				34:11		1.18	126.41	68.39	58.02	0.998	13C12-HxCDD 478	SUR3	
				34:16		1.21	147.80	81.01	66.79	1.000	13C12-HxCDD 678	IS5	
				Height			43.94	24.57	19.37				
				34:36		1.18	166.54	90.27	76.27	1.010	13C12-HxCDD 789	RS2	
				34:47	RO	0.61	0.98	0.54	0.89	1.015			
				34:57	RO	0.59	0.18	0.10	0.17	1.020			
				35:00		1.15	0.43	0.23	0.20	1.021			
402-404			7	Peaks			443.55						

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
	DC	SN		27:38	RO	1.56	0.28			1.027			
332-334			2 Peaks				333.28						
---------- Above: TCDD / PeCDF Follows ----------													
PeCDF						1.32-1.78				0.929-1.061			
340-342	DC	NL				Height	0.12	0.06	0.06				
				29:23		1.44	0.61	0.36	0.25	0.976			J
	DC	SN		29:50	RO	1.06	0.87			0.991			
				30:07		1.54	220.60	133.65	86.95	1.001	12378-PeCDF	AN	
				30:48		1.55	213.30	129.80	83.50	1.023	23478-PeCDF	AN	
				31:07	RO	0.71	0.94	0.57	0.80	1.034			J
				31:12	RO	1.21	1.81	0.86	0.71	1.037			J
				31:20	RO	1.05	0.51	0.21	0.20	1.041			J
				31:28		1.33	1.14	0.65	0.49	1.045			J
				31:51	RO	0.97	0.99	0.60	0.62	1.058			J
340-342			8 Peaks				439.90						
13C12-PeCDF						1.32-1.78				0.867-1.133			
352-354	DC	NL				Height	0.12	0.06	0.06				
				30:06		1.59	176.95	108.56	68.39	1.000	13C12-PeCDF 123	IS2	
						Height	43.92	26.84	17.08				
				30:24	RO	1.88	4.92	3.63	1.93	1.010			
				30:32	RO	0.47	0.66	0.40	0.85	1.014			
				30:47		1.61	191.96	118.48	73.48	1.023	13C12-PeCDF 234	SUR1	
				31:07		1.66	2.39	1.49	0.90	1.034			
				31:14	RO	1.20	1.30	0.61	0.51	1.038			
				31:19		1.51	0.88	0.53	0.35	1.040			
				31:55		1.73	1.64	1.04	0.60	1.060			
352-354			8 Peaks				380.70						
---------- Above: PeCDF / PeCDD Follows ----------													
PeCDD						1.32-1.78				0.938-1.021			
356-358	DC	NL				Height	0.10	0.05	0.05				
				31:08		1.68	112.45	70.55	41.90	1.001	12378-PeCDD	AN	
	DC	SN		31:45	RO	0.37	0.26			1.020			
356-358			1 Peak				112.45						
13C12-PeCDD						1.32-1.78				0.871-1.129			
368-370	DC	NL				Height	0.11	0.06	0.05				
				31:07		1.50	98.59	59.18	39.41	1.000	13C12-PeCDD 123	IS3	
						Height	24.49	14.24	10.25				
368-370			1 Peak				98.59						
---------- Above: PeCDD / HxCDF Follows ----------													
HxCDF						1.05-1.43				0.964-1.045			
374-376	DC	NL				Height	0.13	0.07	0.06				
				33:31		1.28	193.52	108.71	84.81	0.998	123478-HxCDF	AN	
				33:37		1.29	219.08	123.38	95.70	1.000	123678-HxCDF	AN	
				33:55		1.10	0.88	0.46	0.42	1.009			J

Initial ....Date...

Data Review By: [signature] 10/29/03

Channel specific noise levels computed from 'NL' heights.

The Total Area for each peak with an ion abundance ratio outside
ratio limits has been recalculated according to method requirements.

Page No. 1 Listing of T035318B.dbf
10/29/2003 Matched GC Peaks / Ratio / Ret. Time

Compound/ M_Z....	QC.Log	Omit	Why	..RT.	OK	Ratio	Total.Area/Ht	Area/Ht.Peak1	Area/Ht.Peak2	Rel.RT	Compound.Name..	ID..	Flags.
TCDF						0.65-0.89			0.875-1.073				
304-306	DC	NL				Height	0.14	0.08	0.06				
				25:54	RO	1.02	0.76	0.44	0.43	0.987	1278-TCDF	AN	J
				26:15		0.78	40.99	17.97	23.02	1.001	2378-TCDF	AN	
	DC	SN		26:43		0.72	0.81			1.018			
304-306			2 Peaks				41.75						
13C12-TCDF						0.65-0.89			0.962-1.038				
316-318	DC	NL				Height	0.13	0.06	0.07				
				26:14		0.74	202.39	86.03	116.36	1.000	13C12-2378-TCDF	IS0	
						Height	35.93	15.20	20.73				
	DC	WH		27:15	RO	0.44	0.53			1.039			
	DC	WH		28:23		0.72	0.50			1.082			
316-318			1 Peak				202.39						

---------- Above: TCDF / TCDD Follows ----------

TCDD						0.65-0.89			0.900-1.043				
320-322	DC	NL				Height	0.10	0.05	0.05				
				26:57		0.80	30.47	13.57	16.90	1.001	2378-TCDD	AN	
320-322			1 Peak				30.47						
37Cl-TCDD									0.926-1.074				
328	DC	NL				Height	0.06	0.06					
	DC	WL		24:16			0.11			0.902			
	DC	WL		24:45			0.09			0.920			
	DC	WL		24:49			0.08			0.922			
	DC	WL		24:52			0.10			0.924			
				25:04			0.21	0.21		0.931			
				25:33			0.43	0.43		0.949			
	DC	SN		26:27			0.11			0.983			
	DC	SN		26:45			0.19			0.994			
				26:57			15.77	15.77		1.001	37Cl-TCDD	CLS	
	DC	SN		27:49			0.18			1.033			
	DC	SN		28:02			0.14			1.041			
	DC	SN		28:15			0.30			1.050			
	DC	SN		28:21			0.23			1.053			
328			3 Peaks				16.41						
13C12-TCDD						0.65-0.89			0.926-1.074				
332-334	DC	NL				Height	0.15	0.09	0.06				
				26:43		0.82	192.36	86.59	105.77	0.993	13C12-1234-TCDD	RS1	
				26:55		0.77	140.92	61.29	79.63	1.000	13C12-2378-TCDD	IS1	
						Height	24.94	11.14	13.80				

Del Mar Analytical

TLI Project: **61373** Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **TLI LCSD** Analysis File: **T035318**

Surrogate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-2,3,4,7,8-PeCDF	2000	99.8	40%-135%	1.61	30:47	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDF	1700	85.1	40%-135%	0.49	33:30	___
$^{13}C_{12}$-1,2,3,4,7,8-HxCDD	1620	81.0	40%-135%	1.18	34:11	___
$^{13}C_{12}$-1,2,3,4,7,8,9-HpCDF	1590	79.7	40%-135%	0.42	38:03	___

Other Standard	Conc. (pg/L)	% Recovery	QC Limits	RT	Flags
$^{37}Cl_4$-2,3,7,8-TCDD	150	75.0	40%-135%	26:57	___

Alternate Standards (Type B)	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,7,8,9-HxCDF	1580	78.8	40%-135%	0.52	34:52	___
$^{13}C_{12}$-2,3,4,6,7,8-HxCDF	1680	83.9	40%-135%	0.51	34:05	___

Recovery Standards	Ratio	RT	Flags
$^{13}C_{12}$-1,2,3,4-TCDD	0.82	26:43	___
$^{13}C_{12}$-1,2,3,7,8,9-HxCDD	1.18	34:36	___

Data Reviewer: _____ 10/29/2003

MIT3_PSR v1.00, LARS 6.25.05

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Printed: 10:35 10/29/2003

Del Mar Analytical

TLI Project: **61373** — Method 8290 PCDD/PCDF Analysis (b)
Client Sample: **TLI LCSD** — Analysis File: **T035318**

Client Project:	**2003 Prices, Sequoia Network**				
Sample Matrix:	**WATER**	Date Received:	/ /	Spike File:	**SPMIT32S**
TLI ID:	**TLI LCSD**	Date Extracted:	**10/26/2003**	ICal:	**TF53183**
		Date Analyzed:	**10/29/2003**	ConCal:	**T035313**
Sample Size:	**1.000 L**	Dilution Factor:	**n/a**	% Moisture:	**n/a**
Dry Weight:	**n/a**	Blank File:	**T035314**	% Lipid:	**n/a**
GC Column:	**DB-5**	Analyst:	**VSC**	% Solids:	**n/a**

Analytes	Conc. (pg/L)	DL	EMPC	Ratio	RT	Flags
2,3,7,8-TCDD	346			0.80	26:57	
1,2,3,7,8-PeCDD	1930			1.68	31:08	
1,2,3,4,7,8-HxCDD	1670			1.17	34:11	
1,2,3,6,7,8-HxCDD	1860			1.30	34:16	
1,2,3,7,8,9-HxCDD	1900			1.23	34:36	
1,2,3,4,6,7,8-HpCDD	1810			1.05	37:32	
1,2,3,4,6,7,8,9-OCDD	3970			0.85	41:11	
2,3,7,8-TCDF	356			0.78	26:15	
1,2,3,7,8-PeCDF	1940			1.54	30:07	
2,3,4,7,8-PeCDF	2350			1.55	30:48	
1,2,3,4,7,8-HxCDF	1750			1.28	33:31	
1,2,3,6,7,8-HxCDF	1880			1.29	33:37	
2,3,4,6,7,8-HxCDF	1790			1.26	34:06	
1,2,3,7,8,9-HxCDF	1720			1.29	34:53	
1,2,3,4,6,7,8-HpCDF	1900			1.04	36:30	
1,2,3,4,7,8,9-HpCDF	1620			1.02	38:03	
1,2,3,4,6,7,8,9-OCDF	4190			0.87	41:23	

Internal Standards	Conc. (pg/L)	% Recovery	QC Limits	Ratio	RT	Flags
$^{3}C_{12}$-2,3,7,8-TCDF	1560	77.8	40%-135%	0.74	26:14	
$^{13}C_{12}$-2,3,7,8-TCDD	1560	78.2	40%-135%	0.77	26:55	
$^{13}C_{12}$-1,2,3,7,8-PeCDF	1680	84.2	40%-135%	1.59	30:06	
$^{3}C_{12}$-1,2,3,7,8-PeCDD	1610	80.6	40%-135%	1.50	31:07	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDF	1810	90.7	40%-135%	0.53	33:36	
$^{13}C_{12}$-1,2,3,6,7,8-HxCDD	1740	86.8	40%-135%	1.21	34:16	
$^{3}C_{12}$-1,2,3,4,6,7,8-HpCDF	1660	83.0	40%-135%	0.43	36:30	
$^{3}C_{12}$-1,2,3,4,6,7,8-HpCDD	1750	87.7	40%-135%	1.05	37:32	
$^{13}C_{12}$-1,2,3,4,6,7,8,9-OCDD	2440	61.0	40%-135%	0.87	41:11	

MIT3_PSR v1.00, LARS 6.25.05

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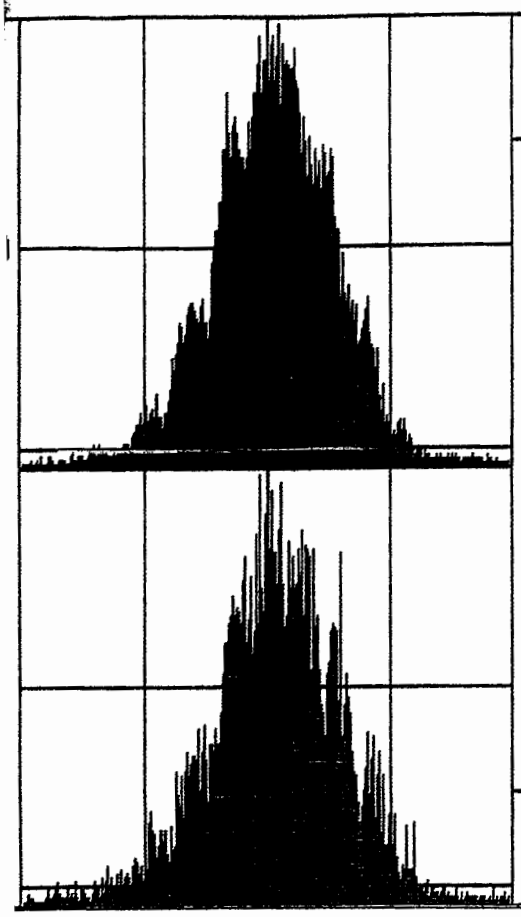
Printed: 10:35 10/29/2003



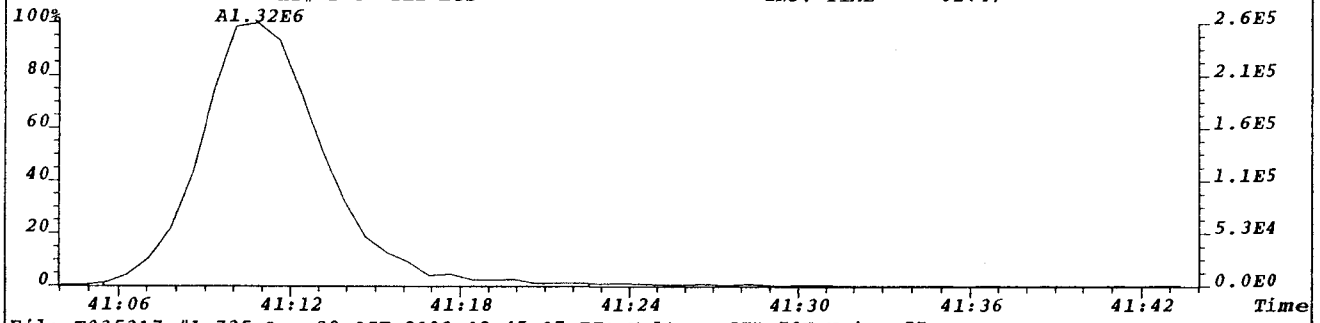
Channel I 330.9792 Peak top
Height .36 volts Span 200 ppm

System file name	NDB5US
Data file name	A:T029031
Resolution	10000
Group number	2
Ionization mode	EI+
Switching	VOLTAGE
Ref. masses	292.9825, 416.9760

A	293	J	331	S	368
B	304	K	332	T	370
C	306	L	334	U	376
D	316	M	340	V	410
E	318	N	342		
F	320	O	352		
G	322	P	354		
H	328	Q	356		
I	331	R	358		

Ref. mass 416.9760 Peak top
Height .06 volts Span 200 ppm

File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:65
457.7377 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47



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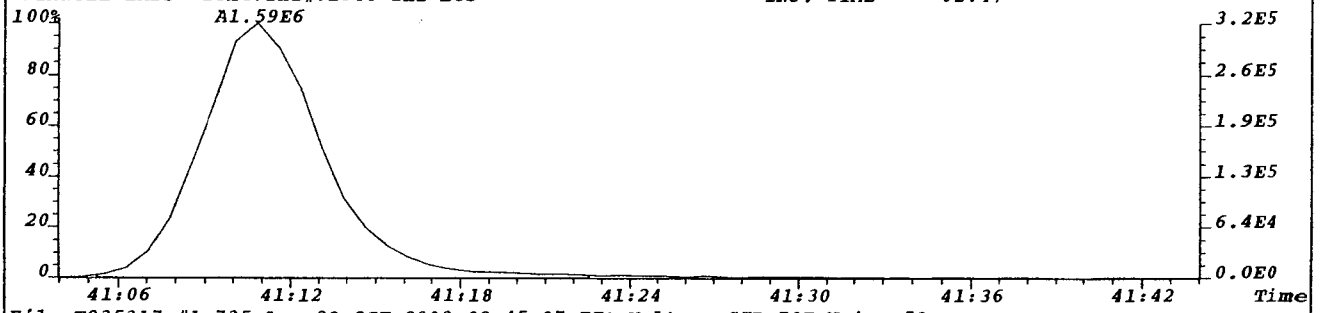

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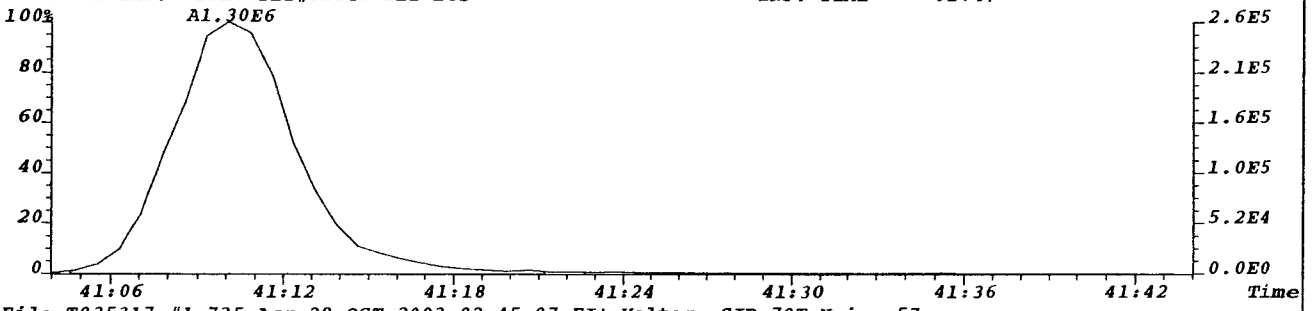

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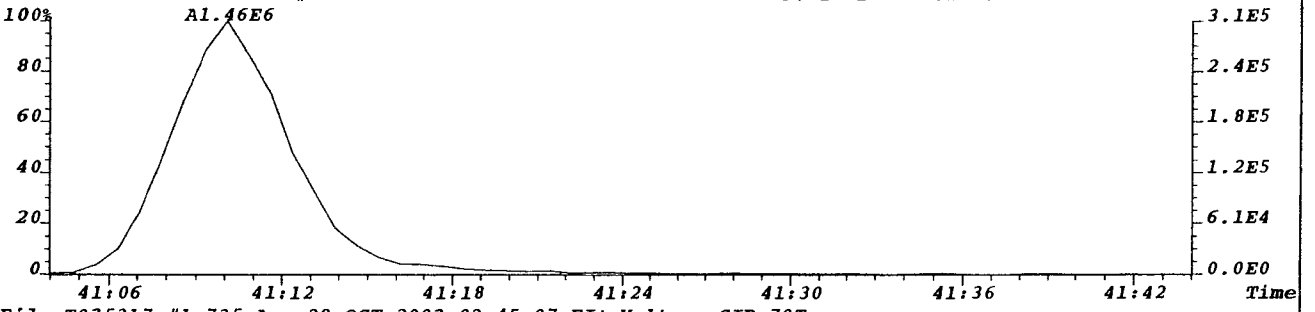
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47



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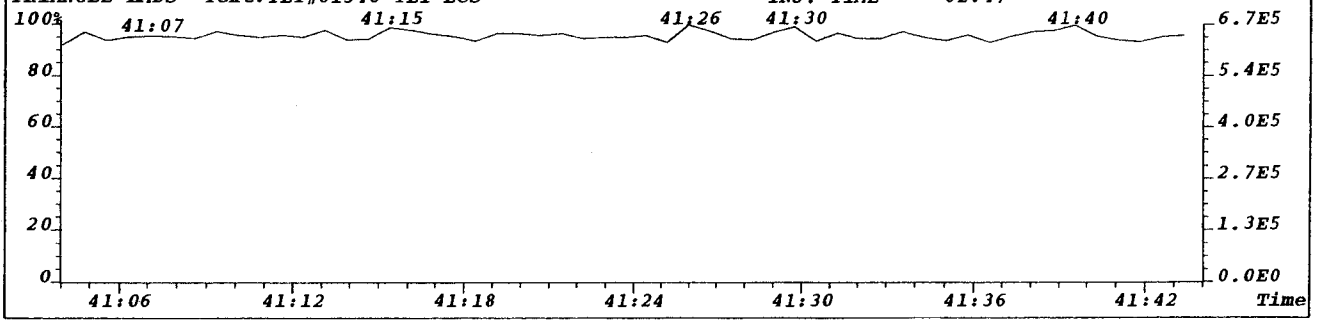
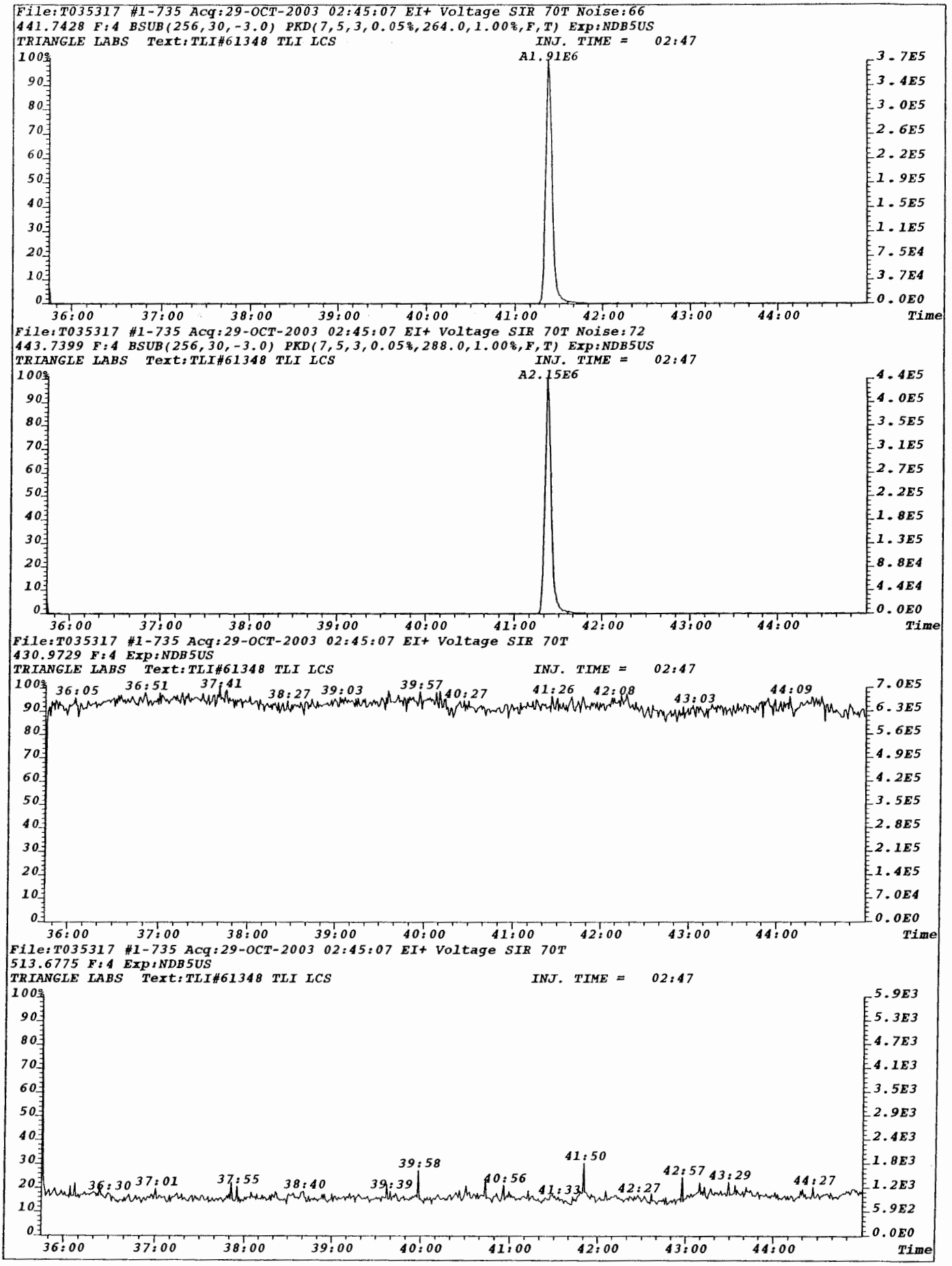
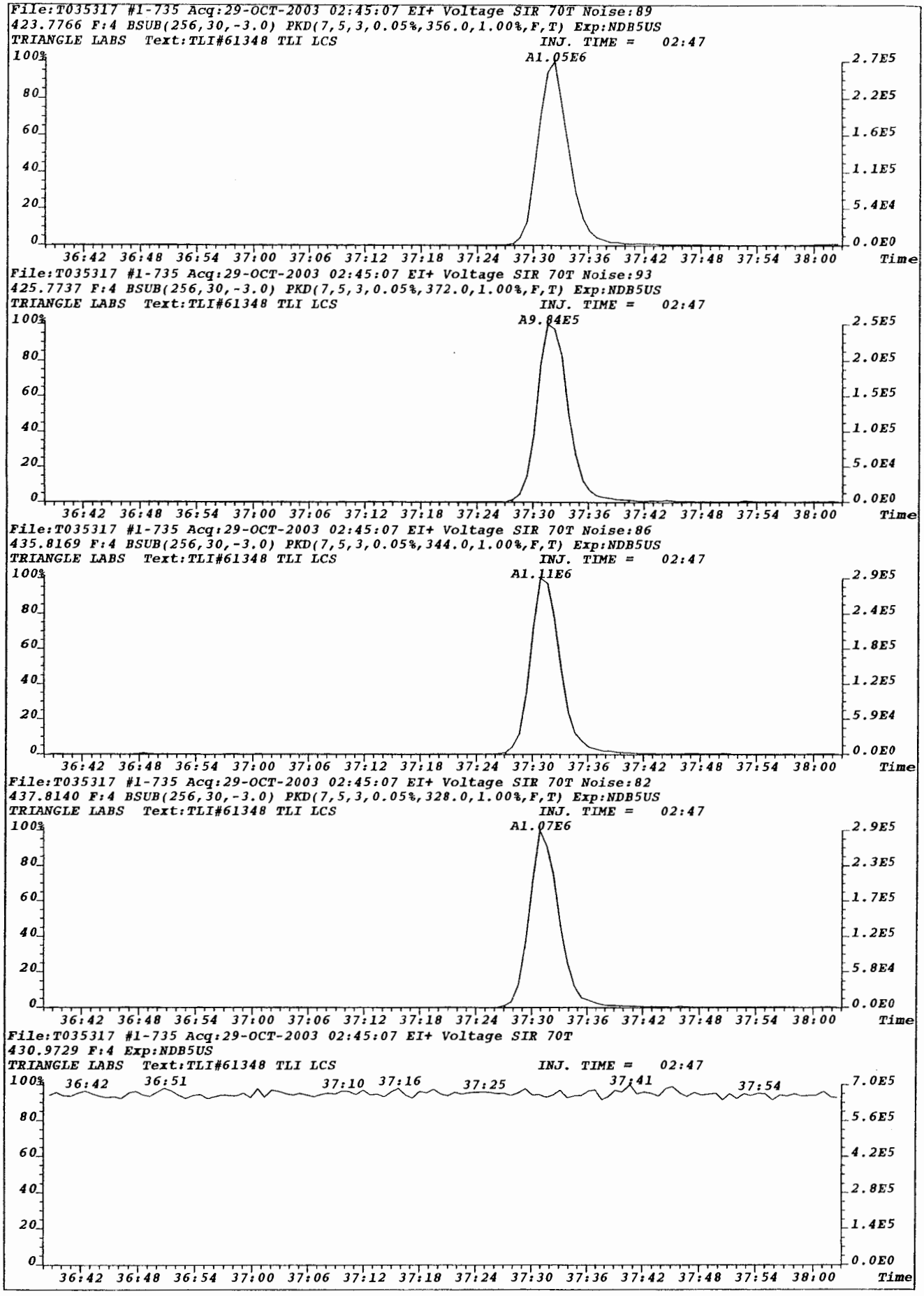
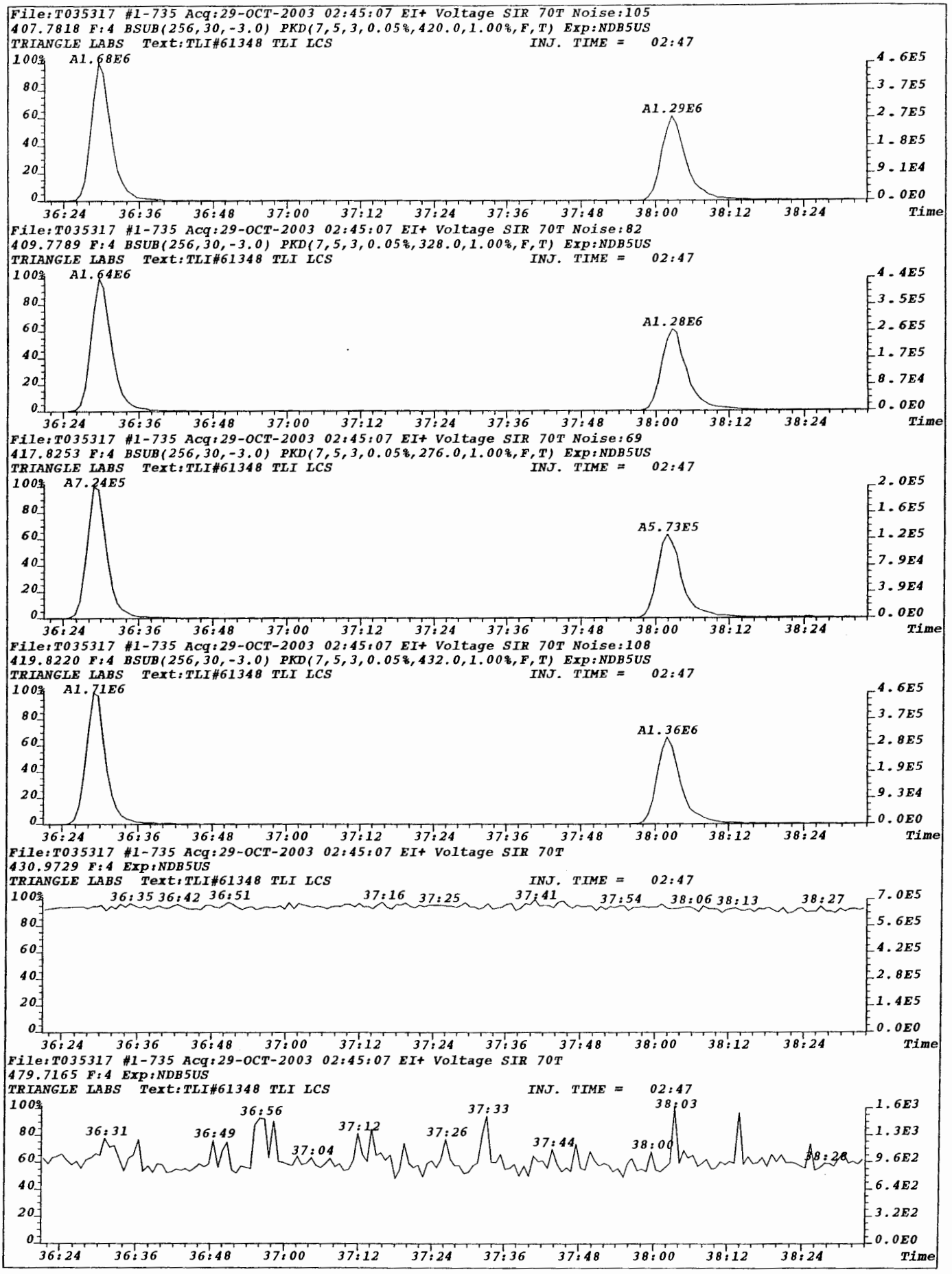
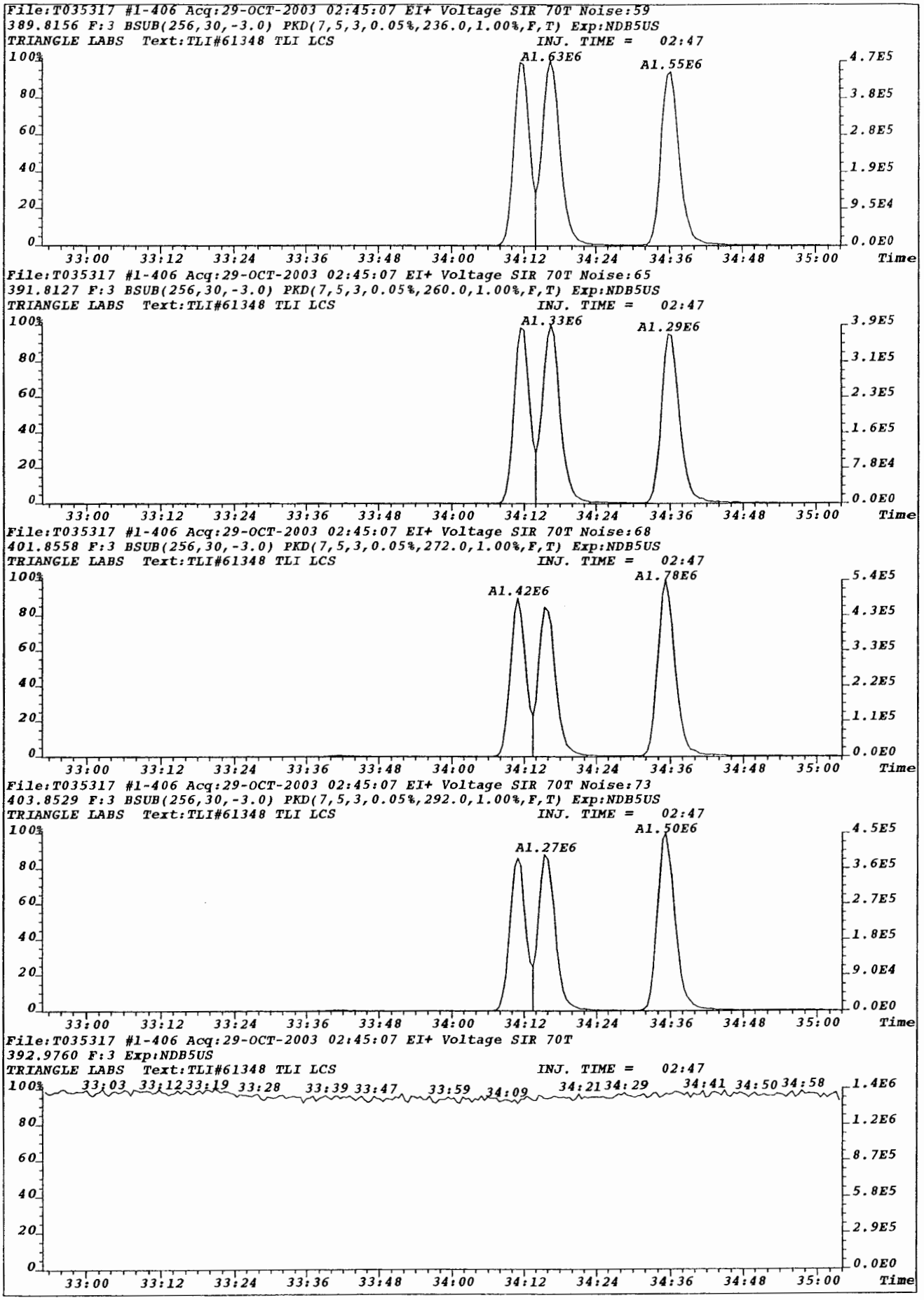
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47

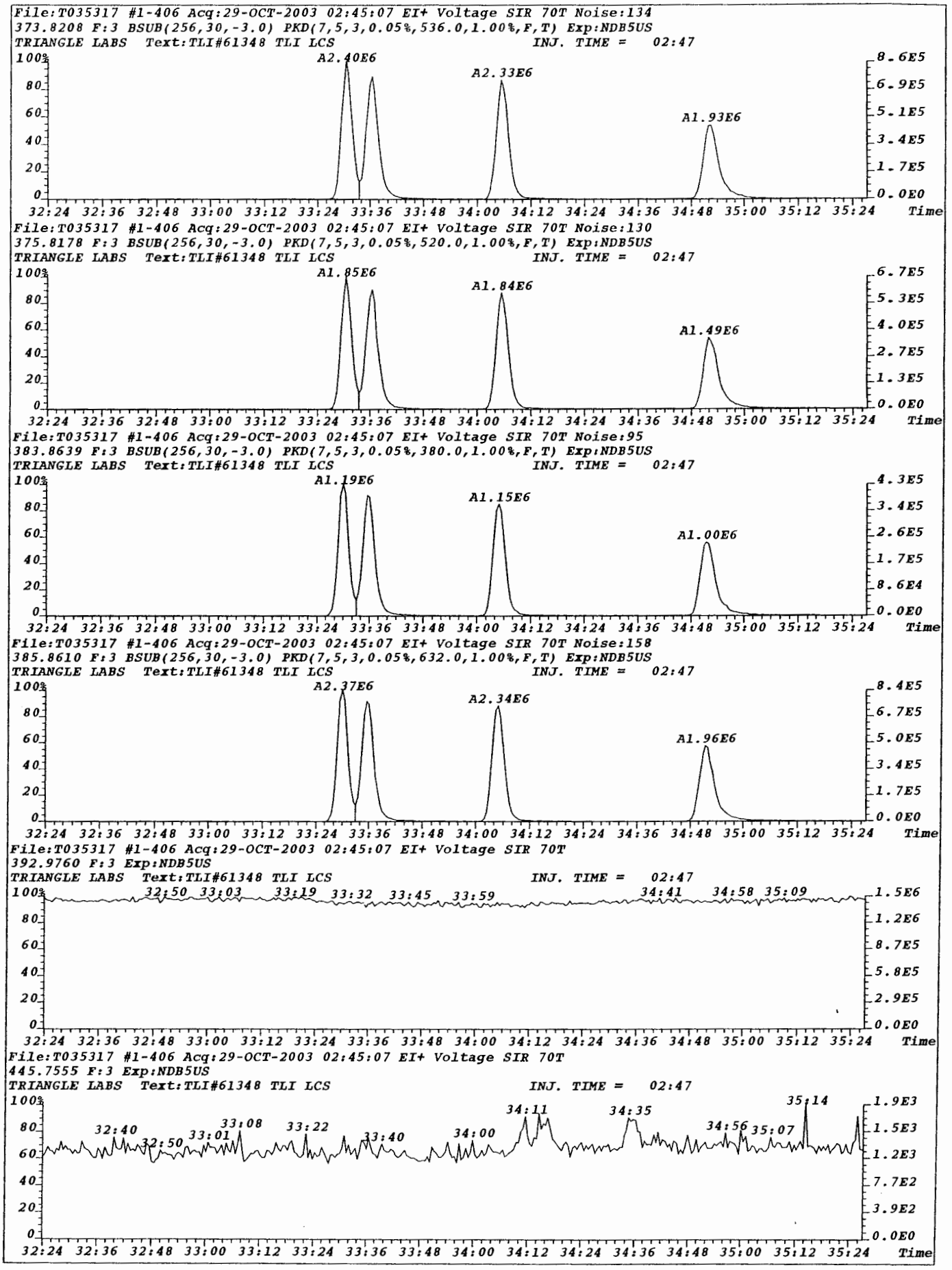


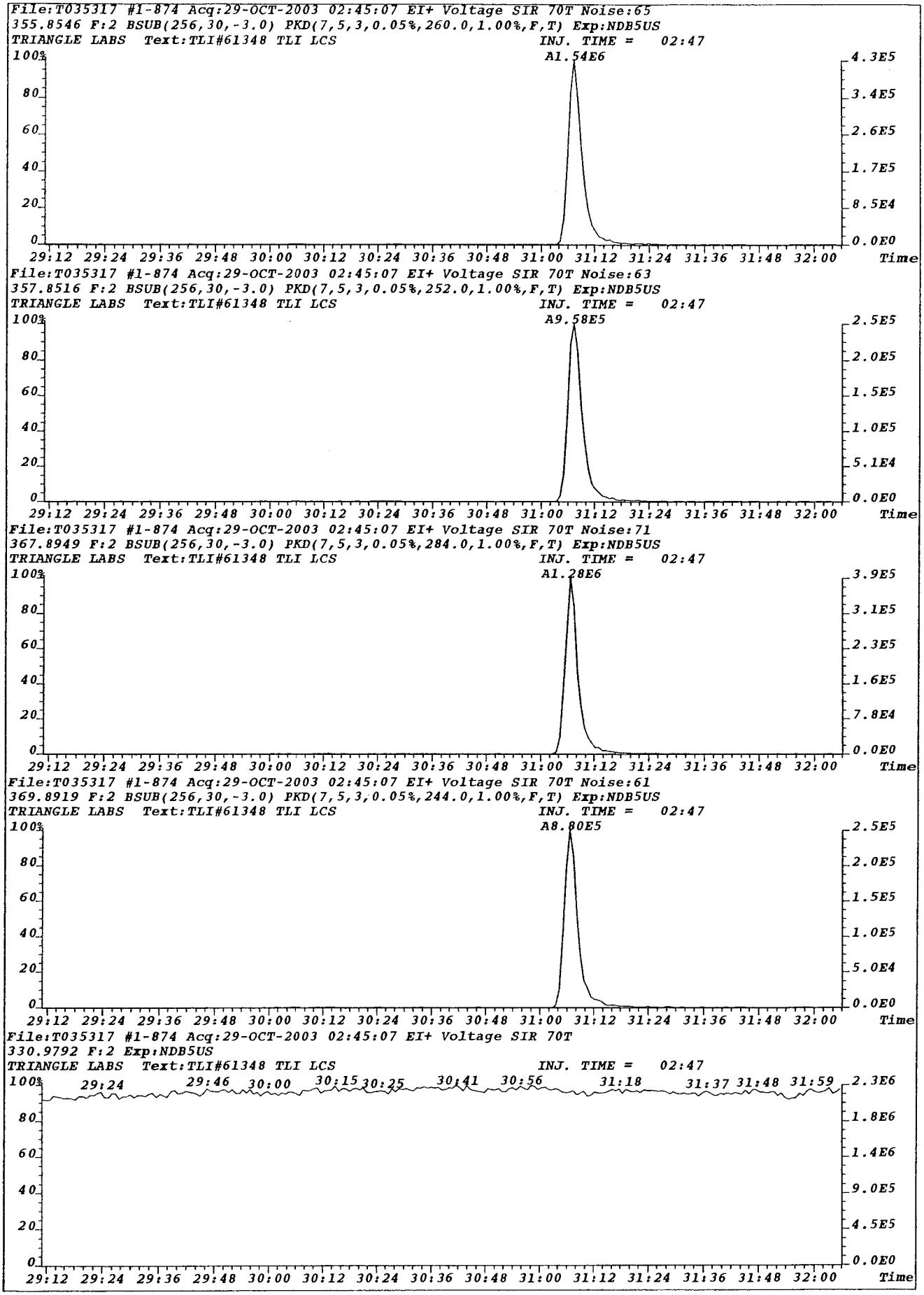

File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:66
441.7428 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,264.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.91E6
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:72
443.7399 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A2.15E6
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
36:05 36:51 37:41 38:27 39:03 39:57 40:27 41:26 42:08 43:03 44:09
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
513.6775 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
36:30 37:01 37:55 38:40 39:39 39:58 40:56 41:33 41:50 42:27 42:57 43:29 44:27
Time

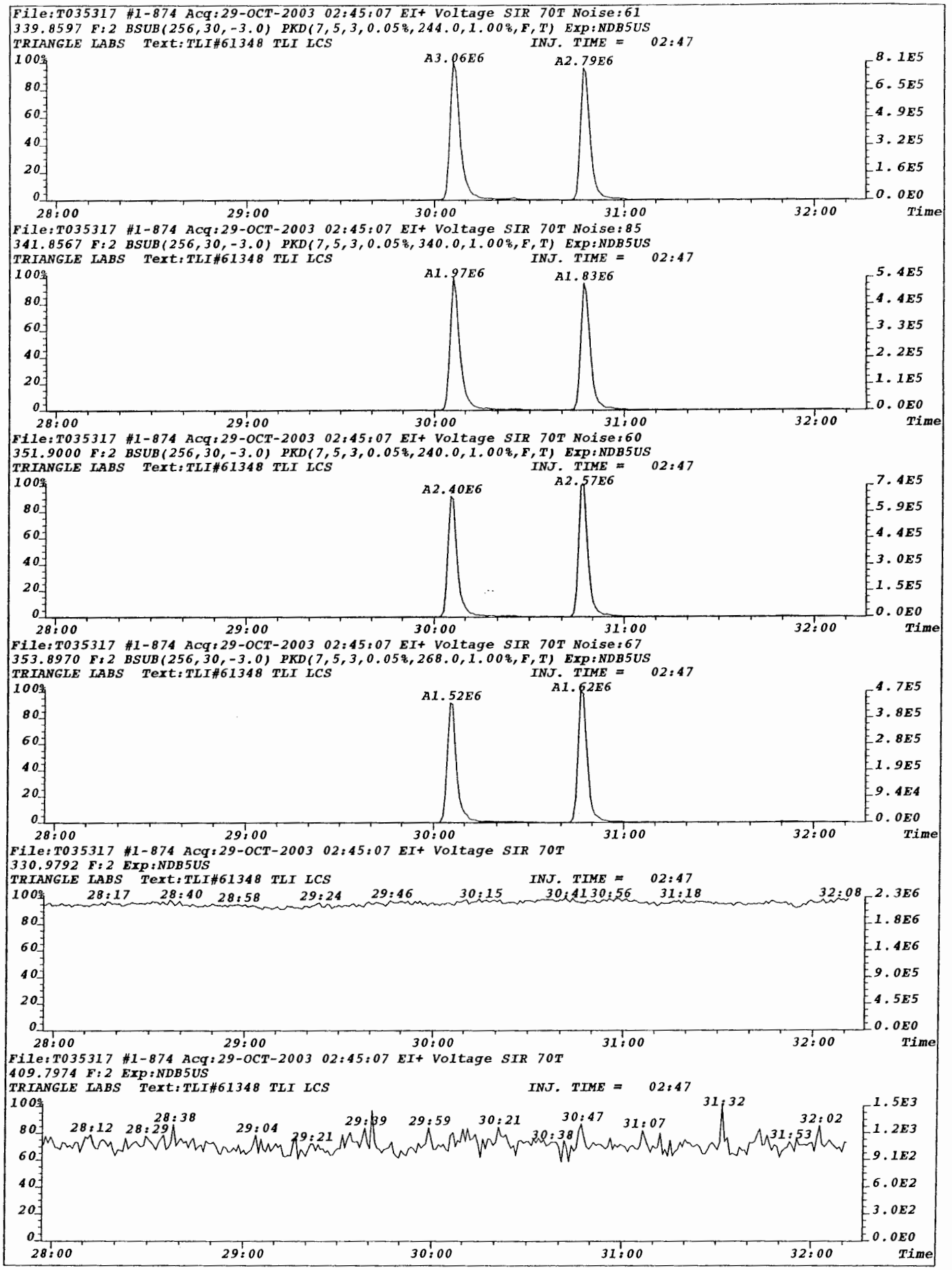

File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:89
423.7766 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,356.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.05E6
2.7E5
2.2E5
1.6E5
1.1E5
5.4E4
0.0E0
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:93
425.7737 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,372.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A9.84E5
2.5E5
2.0E5
1.5E5
1.0E5
5.0E4
0.0E0
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:86
435.8169 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,344.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.11E6
2.9E5
2.4E5
1.8E5
1.2E5
5.9E4
0.0E0
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:82
437.8140 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,328.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.07E6
2.9E5
2.3E5
1.7E5
1.2E5
5.8E4
0.0E0
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
36:42 36:51 37:10 37:16 37:25 37:41 37:54
7.0E5
5.6E5
4.2E5
2.8E5
1.4E5
0.0E0
100%
80
60
40
20
0
36:42 36:48 36:54 37:00 37:06 37:12 37:18 37:24 37:30 37:36 37:42 37:48 37:54 38:00
Time


File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:105
407.7818 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,420.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47
A1.68E6
A1.29E6
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:82
409.7789 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,328.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47
A1.64E6
A1.28E6
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:69
417.8253 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,276.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47
A7.24E5
A5.73E5
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:108
419.8220 F:4 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,432.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47
A1.71E6
A1.36E6
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
430.9729 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47
File:T035317 #1-735 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
479.7165 F:4 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47
Time

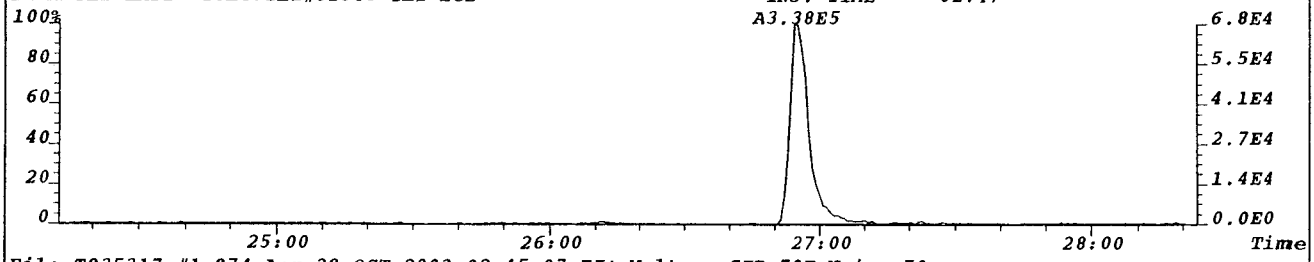

File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:59
389.8156 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,236.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.63E6
A1.55E6
Time
File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:65
391.8127 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.33E6
A1.29E6
Time
File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:68
401.8558 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,272.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.42E6
A1.78E6
Time
File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:73
403.8529 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,292.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.27E6
A1.50E6
Time
File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
Time


File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:134
373.8208 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,536.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A2.40E6
A2.33E6
A1.93E6
File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:130
375.8178 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,520.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.85E6
A1.84E6
A1.49E6
File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:95
383.8639 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,380.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.19E6
A1.15E6
A1.00E6
File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:158
385.8610 F:3 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,632.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A2.37E6
A2.34E6
A1.96E6
File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
392.9760 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
File:T035317 #1-406 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
445.7555 F:3 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
Time

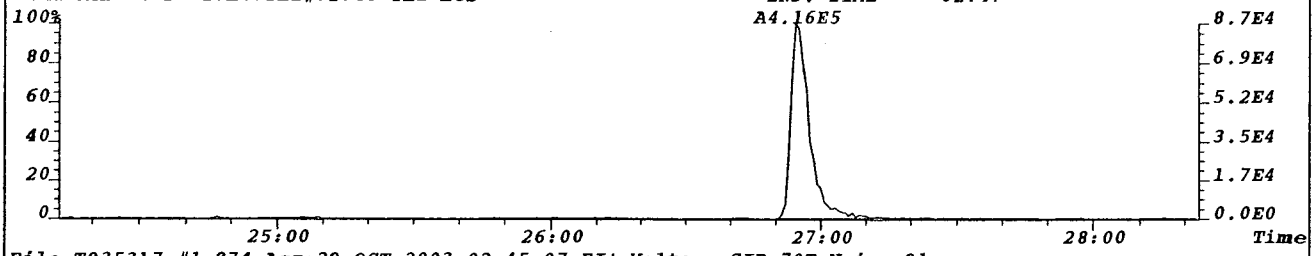

File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:65
355.8546 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.54E6
4.3E5
3.4E5
2.6E5
1.7E5
8.5E4
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00
Time
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:63
357.8516 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,252.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A9.58E5
2.5E5
2.0E5
1.5E5
1.0E5
5.1E4
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00
Time
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:71
367.8949 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.28E6
3.9E5
3.1E5
2.3E5
1.6E5
7.8E4
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00
Time
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:61
369.8919 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A8.80E5
2.5E5
2.0E5
1.5E5
1.0E5
5.0E4
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00
Time
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
29:24 29:46 30:00 30:15 30:25 30:41 30:56 31:18 31:37 31:48 31:59
2.3E6
1.8E6
1.4E6
9.0E5
4.5E5
0.0E0
29:12 29:24 29:36 29:48 30:00 30:12 30:24 30:36 30:48 31:00 31:12 31:24 31:36 31:48 32:00
Time


File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:61
339.8597 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,244.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A3.06E6
A2.79E6
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:85
341.8567 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,340.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.97E6
A1.83E6
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:60
351.9000 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,240.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A2.40E6
A2.57E6
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:67
353.8970 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,268.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
A1.52E6
A1.62E6
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
28:17 28:40 28:58 29:24 29:46 30:15 30:41 30:56 31:18 32:08
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
409.7974 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS
INJ. TIME = 02:47
28:12 28:29 28:38 29:04 29:21 29:39 29:59 30:21 30:38 30:47 31:07 31:32 31:53 32:02
28:00 29:00 30:00 31:00 32:00 Time

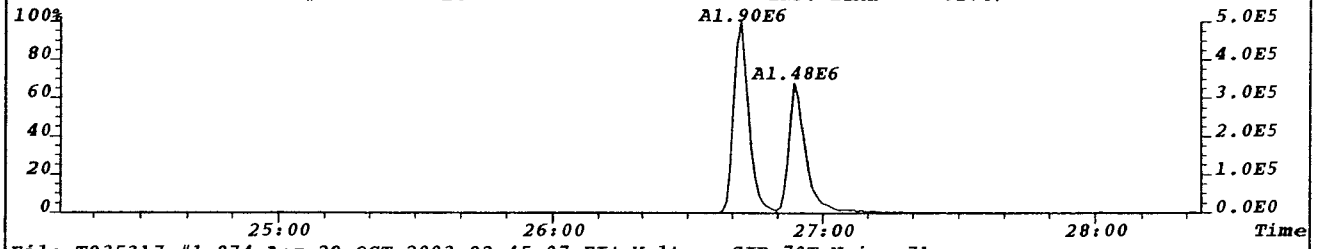
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:65
319.8965 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,260.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47



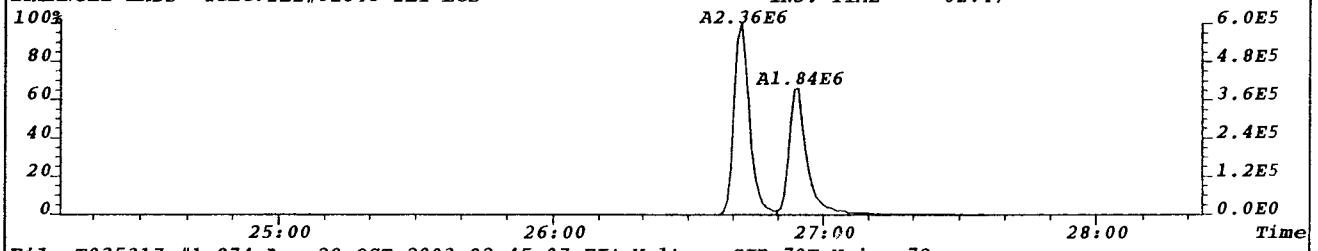
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:70
321.8936 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,280.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47



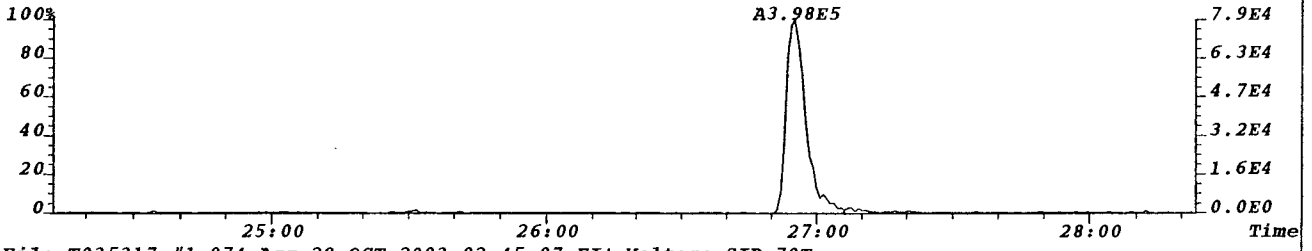
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:91
331.9368 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,364.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47



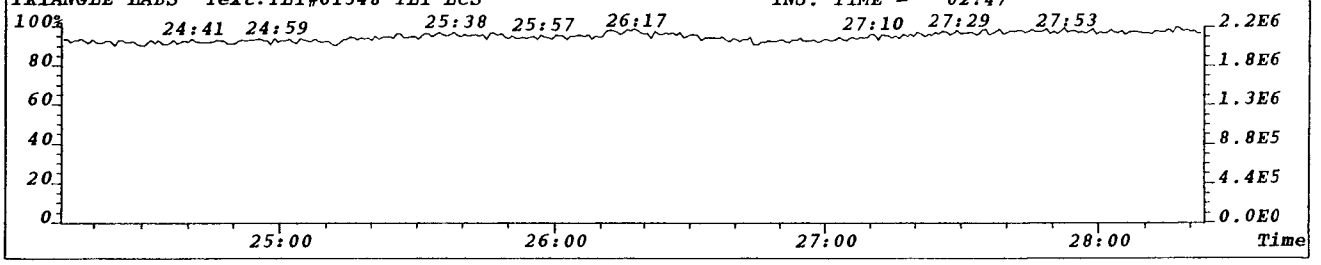
File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:71
333.9338 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,284.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47



File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T Noise:72
327.8847 F:2 BSUB(256,30,-3.0) PKD(7,5,3,0.05%,288.0,1.00%,F,T) Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47



File:T035317 #1-874 Acq:29-OCT-2003 02:45:07 EI+ Voltage SIR 70T
330.9792 F:2 Exp:NDB5US
TRIANGLE LABS Text:TLI#61348 TLI LCS INJ. TIME = 02:47



Appendix D
Completed COC Forms

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 st 200, Irvine CA 92612

P.O. #:

Project: PT1

Project Manager/Phone Number: S. Wallin

Phone Number: 949 752 5452

Sampler: R. Douglas

Fax Number: 949 752 1307

ANALYSIS REQUIRED: IMJ1210

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	8260B	Cr(VI), pH	Cu, Cd, Cr-field filtered							Special Instructions
PT1-TB02-059	GW	VOA	2	10-22-03	HCl	X									
PT1-MW15S-059		various	5	0815	various	X	X	X							
PT1-MW06D-059			5	0910		X	X	X							
PT1-MW37-059			5	0730		X	X	X							
PT1-MW06B-059			5	1000		X	X	X							
PT1-MW04A-059			5	1055		X	X	X							
PT1-EB02-059			5	1230		X	X	X							
PT1-MW16-059			5	1245		X	X	X							
PT1-MW09-059			5	1350		X	X	X							

Relinquished By	Date/Time:	Received By	Date/Time:
[signature]	10/22/03 1500		
		S. Vanderlaan	10-22-03 1500

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

Sample Integrity: (Check)
Intact y On Ice: 2°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
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:	P.O. #:	ANALYSIS REQUIRED
CDM 18581 Teller Ave Ste 200 Irvine CA 92612	Project: PT1	
Project Manager/Phone Number: Sharon Wallin	Phone Number: 949 752 5452	
Sampler: Ros Douglas	Fax Number: 949 752 1307 10/21/03	

JMJ 11/19

Sample Description	Sample Matrix	Container Type	# of Containers	Sampling Date/Time	Preservation	8260B	CD, Cu, Cd - field filtered	pH, Cr+6	Special Instructions
PT1-MW01D-059	GW	Various	5	11:05	Various	X	X	X	
PT1-MW01S-059		Various	5	12:20	Various	X	X	X	
PT1-TB01-059		VOA	2	—	HCl	X			
PT1-MW03-059		Various	5	14:15	Various	X	X	X	
PT1-MW15D-059		Various	5	15:45	Various	X	X	X	
PT1-EB01-059		Various	5	14:25	Various	X	X	X	

Relinquished By	Date/Time:	Received By	Date/Time:
	10/21/03 1615	Erik Meridia	10-21-03 1615
Erik Meridian	10-21-03 1710		
Relinquished By	Date/Time:	Received By	Date/Time:
			10/21/03 17:10

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

Sample Integrity: (Check)
Intact X On Ice: 4°C

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

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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).*

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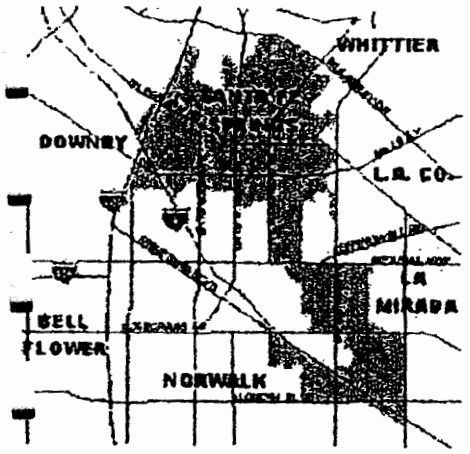
CITY OF SANTA FE SPRINGS
2001 ANNUAL WATER QUALITY REPORT

Since 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.

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

...ll drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminan... ...s water travels over the surface of the land or through the ground, it can pick up substances resulting from the presence ... ...nimals or from human activity. The presence of contaminants does not necessarily indicate that water poses a health risk. ...formation about contaminants and potential health effects can be obtained by calling the federal EPA's Safe Drinking W... ...otline (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)
www.dhs.cahwnet.gov/ps/ddwem (California DHS website)

...hat Does the EPA Say About Drinking Water Quality?

...e sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and ...ells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some ...ses, 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:

- Microbial contaminants, including viruses and bacteria, that may come from sewage treatment plants, septic system... agricultural livestock operations, and wildlife;
- Inorganic contaminants, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming;
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;
- Organic chemical contaminants, including synthetic and volatile organic chemicals, that are byproducts of industria... processes 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.

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

...ould I Take Additional Precautions?

...me people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised ...sons 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 ...uld seek advice about drinking water from their health care providers. The EPA/Centers for Disease Control guidelines or ...ropriate means to lessen the risk of infection of *Cryptosporidium* and other microbial contaminants are available from the ...eral EPA's Safe Drinking Water Hotline (800-426-4791).

...w 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.

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

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

...w 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!
Run only full loads in your dishwasher/washing machine - save 300 - 800 gallons of water every month!
Sweep 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!

Visit us at www.santafesprings.com

Appendix F
Statistical Analysis

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
Benzene	ug/l	MW-1S	04/23/2003	ND	0.5000
Benzene	ug/l	MW-1S	07/29/2003	ND	0.5000
Cadmium	mg/L	MW-1S	04/23/2003		0.0100
Cadmium	mg/L	MW-1S	07/29/2003		0.0100
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

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

Table 1

Background Data

Constituent	Units	Location	Date		Result	
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	mg/L	MW-1S	04/23/2003		0.0100	
Chromium	mg/L	MW-1S	07/29/2003		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	
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	01/01/2002	ND	0.0200	
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	

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

Table 1

Background Data

Constituent	Units	Location	Date		Result
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
Copper	mg/L	MW-1S	04/23/2003		0.0200
Copper	mg/L	MW-1S	07/29/2003		0.0300
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
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
Ethylbenzene	ug/l	MW-1S	04/23/2003	ND	1.0000
Ethylbenzene	ug/l	MW-1S	07/29/2003	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

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

Table 1

Background Data

Constituent	Units	Location	Date		Result	
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	
Toluene	ug/l	MW-1S	04/23/2003	ND	1.0000	
Toluene	ug/l	MW-1S	07/29/2003	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	
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	

* - 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	04/23/2003	ND	2.0000
Total xylenes	ug/l	MW-1S	07/29/2003	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
Trichloroethene	ug/l	MW-1S	10/22/2002		8.3000
Trichloroethene	ug/l	MW-1S	01/08/2003		11.0000
Trichloroethene	ug/l	MW-1S	04/23/2003		11.0000
Trichloroethene	ug/l	MW-1S	07/29/2003		13.0000

* - 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	07/31/2003	ND	5.0000		0.5000
Benzene	ug/l	MW-14S	07/30/2003		1.4000	*	0.5000
Benzene	ug/l	MW-15D	07/30/2003		1.4000	*	0.5000
Benzene	ug/l	MW-15S	07/30/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-16	07/31/2003		0.5100	*	0.5000
Benzene	ug/l	MW-1D	07/30/2003		0.9800	*	0.5000
Benzene	ug/l	MW-3	07/29/2003	ND	2.5000		0.5000
Benzene	ug/l	MW-4	07/30/2003		630.9333	*	0.5000
Benzene	ug/l	MW-4A	07/30/2003		2.2000	*	0.5000
Benzene	ug/l	MW-6B	07/30/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-6D	07/30/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-7	10/23/2002	ND	1.0000		0.5000
Benzene	ug/l	MW-9	07/31/2003	ND	3.7500		0.5000
Benzene	ug/l	MW07	07/30/2003	ND	0.5000		0.5000
Cadmium	mg/L	MW-15S	01/01/2000		0.0100		*****
Cadmium	mg/L	MW-4	07/30/2003		453.6267		*****
Cadmium	mg/L	MW-7	10/01/2001	ND	0.0100		*****
Chromium	mg/L	MW-11	10/24/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-14S	07/30/2003		0.1500	*	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	10/24/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-1D	07/30/2003		0.0200	*	0.0100
Chromium	mg/L	MW-3	10/22/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-4	07/30/2003		715.6667	*	0.0100
Chromium	mg/L	MW-4A	10/23/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-6B	10/23/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-6D	10/23/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-7	10/23/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-9	07/31/2003		1.4667	*	0.0100
Chromium (vi)	mg/L	MW-11	07/31/2003		0.0012		0.0200
Chromium (vi)	mg/L	MW-14S	07/30/2003		0.1200	*	0.0200
Chromium (vi)	mg/L	MW-15D	07/30/2003		0.0003		0.0200
Chromium (vi)	mg/L	MW-15S	07/30/2003		0.0022		0.0200
Chromium (vi)	mg/L	MW-16	07/31/2003		0.0040		0.0200
Chromium (vi)	mg/L	MW-3	01/01/2002		0.0200		0.0200
Chromium (vi)	mg/L	MW-4	07/30/2003		450.6667	*	0.0200
Chromium (vi)	mg/L	MW-4A	07/30/2003		0.0029		0.0200
Chromium (vi)	mg/L	MW-6B	07/30/2003		0.0043		0.0200
Chromium (vi)	mg/L	MW-6D	07/30/2003		0.0023		0.0200
Chromium (vi)	mg/L	MW-7	10/01/2000	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-9	07/31/2003		158.1000	*	0.0200
Chromium (vi)	mg/L	MW07	07/30/2003		0.0004		0.0200
Copper	mg/L	MW-11	07/31/2003	ND	0.0100		0.0500
Copper	mg/L	MW-14S	07/30/2003		0.0500		0.0500
Copper	mg/L	MW-15D	07/30/2003	ND	0.0100		0.0500
Copper	mg/L	MW-15S	07/30/2003	ND	0.0100		0.0500
Copper	mg/L	MW-16	07/31/2003	ND	0.0100		0.0500
Copper	mg/L	MW-1D	07/30/2003		0.0100		0.0500
Copper	mg/L	MW-3	07/29/2003	ND	0.0100		0.0500
Copper	mg/L	MW-4	07/30/2003		0.0400		0.0500
Copper	mg/L	MW-4A	07/30/2003		0.0200		0.0500
Copper	mg/L	MW-6B	07/30/2003		0.0100		0.0500
Copper	mg/L	MW-6D	07/30/2003		0.0100		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-7	10/23/2002	ND	0.0200		0.0500
Copper	mg/L	MW-9	07/31/2003	ND	0.0100		0.0500
Copper	mg/L	MW07	07/30/2003	ND	0.0100		0.0500
Ethylbenzene	ug/l	MW-11	07/31/2003		210.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	07/30/2003		49.0000	*	3.4000
Ethylbenzene	ug/l	MW-15D	07/30/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-15S	07/30/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-16	07/31/2003		1.5000		3.4000
Ethylbenzene	ug/l	MW-1D	07/30/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-3	07/29/2003	ND	5.0000		3.4000
Ethylbenzene	ug/l	MW-4	07/30/2003	ND	7.5000		3.4000
Ethylbenzene	ug/l	MW-4A	07/30/2003	ND	4.0000		3.4000
Ethylbenzene	ug/l	MW-6B	07/30/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-6D	07/30/2003	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-7	10/23/2002	ND	1.0000		3.4000
Ethylbenzene	ug/l	MW-9	07/31/2003	ND	7.5000		3.4000
Ethylbenzene	ug/l	MW07	07/30/2003	ND	1.0000		3.4000
Toluene	ug/l	MW-11	07/31/2003	ND	10.0000		1.0000
Toluene	ug/l	MW-14S	07/30/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-15D	07/30/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-15S	07/30/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-16	07/31/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-1D	07/30/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-3	07/29/2003	ND	5.0000		1.0000
Toluene	ug/l	MW-4	07/30/2003	ND	7.5000		1.0000
Toluene	ug/l	MW-4A	07/30/2003	ND	4.0000		1.0000
Toluene	ug/l	MW-6B	07/30/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-6D	07/30/2003	ND	1.0000		1.0000
Toluene	ug/l	MW-7	10/23/2002	ND	1.0000		1.0000
Toluene	ug/l	MW-9	07/31/2003	ND	7.5000		1.0000
Toluene	ug/l	MW07	07/30/2003	ND	1.0000		1.0000
Total xylenes	ug/l	MW-11	07/31/2003		94.0000	*	5.8000
Total xylenes	ug/l	MW-14S	07/30/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-15D	07/30/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-15S	07/30/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-16	07/31/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-1D	07/30/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-3	07/29/2003	ND	10.0000		5.8000
Total xylenes	ug/l	MW-4	07/30/2003	ND	15.0000		5.8000
Total xylenes	ug/l	MW-4A	07/30/2003	ND	8.0000		5.8000
Total xylenes	ug/l	MW-6B	07/30/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-6D	07/30/2003	ND	2.0000		5.8000
Total xylenes	ug/l	MW-7	10/23/2002	ND	2.0000		5.8000
Total xylenes	ug/l	MW-9	07/31/2003	ND	15.0000		5.8000
Total xylenes	ug/l	MW07	07/30/2003	ND	2.0000		5.8000
Trichloroethene	ug/l	MW-11	07/31/2003		1100.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	07/30/2003		200.0000	*	23.7663
Trichloroethene	ug/l	MW-15D	07/30/2003		8.1000		23.7663
Trichloroethene	ug/l	MW-15S	07/30/2003		5.1000		23.7663
Trichloroethene	ug/l	MW-16	07/31/2003		38.0000	*	23.7663
Trichloroethene	ug/l	MW-1D	07/30/2003		1.6000		23.7663
Trichloroethene	ug/l	MW-3	07/29/2003		280.0000	*	23.7663
Trichloroethene	ug/l	MW-4	07/30/2003		326.6667	*	23.7663
Trichloroethene	ug/l	MW-4A	07/30/2003		150.0000	*	23.7663

* - 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-6B	07/30/2003		13.0000		23.7663
Trichloroethene	ug/l	MW-6D	07/30/2003		4.1000		23.7663
Trichloroethene	ug/l	MW-7	10/23/2002		21.0000		23.7663
Trichloroethene	ug/l	MW-9	07/31/2003		456.6667	*	23.7663
Trichloroethene	ug/l	MW07	07/30/2003		60.0000	*	23.7663

* - 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	33	0.000	44	309	0.142
Cadmium	2	2	1.000	34	36	0.944
Chromium	2	32	0.063	93	282	0.330
Chromium (vi)	0	24	0.000	76	244	0.311
Copper	6	33	0.182	66	312	0.212
Ethylbenzene	7	33	0.212	196	312	0.628
Toluene	0	32	0.000	59	302	0.195
Total xylenes	7	33	0.212	147	312	0.471
Trichloroethene	33	33	1.000	311	312	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	2	1.000				too few
Chromium	2	0.063				nonpar
Chromium (vi)	0	0.000				nonpar
Copper	6	0.182	3.043	3.023	2.326	nonpar
Ethylbenzene	7	0.212	0.825	0.028	2.326	nonpar
Toluene	0	0.000				nonpar
Total xylenes	7	0.212	0.454	0.017	2.326	nonpar
Trichloroethene	33	1.000	0.072	2.037	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	33	0			0.5000	0.66
Cadmium	mg/L	too few	2	2				
Chromium	mg/L	nonpar	32	2			0.0100	0.65
Chromium (vi)	mg/L	nonpar	24	0			0.0200	0.56
Copper	mg/L	nonpar	33	6			0.0500	0.66
Ethylbenzene	ug/l	nonpar	33	7			3.4000	0.66
Toluene	ug/l	nonpar	32	0			1.0000	0.65
Total xylenes	ug/l	nonpar	33	7			5.8000	0.66
Trichloroethene	ug/l	normal	33	33	9.7697	3.7227	23.7663	

* - 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-14S	07/01/1994	ND	0.5000		0.5000
Benzene	ug/l	MW-14S	10/01/1994		0.5300	*	0.5000
Benzene	ug/l	MW-14S	04/01/1995	ND	5.0000		0.5000
Benzene	ug/l	MW-14S	01/01/1996	ND	1.0000		0.5000
Benzene	ug/l	MW-14S	04/01/1996	ND	2.5000		0.5000
Benzene	ug/l	MW-14S	07/01/1996		0.5800	*	0.5000
Benzene	ug/l	MW-14S	10/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-14S	01/01/1997	ND	2.5000		0.5000
Benzene	ug/l	MW-14S	04/01/1997		0.5800	*	0.5000
Benzene	ug/l	MW-14S	07/01/1997	ND	0.5000		0.5000
Benzene	ug/l	MW-14S	10/01/1997	ND	0.5000		0.5000
Benzene	ug/l	MW-14S	01/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-14S	04/01/1998	ND	12.0000		0.5000
Benzene	ug/l	MW-14S	07/01/1998		0.5100	*	0.5000
Benzene	ug/l	MW-14S	10/01/1998	ND	1.2000		0.5000
Benzene	ug/l	MW-14S	01/01/1999		1.1000	*	0.5000
Benzene	ug/l	MW-14S	04/01/1999	ND	12.0000		0.5000
Benzene	ug/l	MW-14S	07/01/1999	ND	50.0000		0.5000
Benzene	ug/l	MW-14S	10/01/1999	ND	5.0000		0.5000
Benzene	ug/l	MW-14S	01/01/2000	ND	5.0000		0.5000
Benzene	ug/l	MW-14S	04/01/2000		3.2000	*	0.5000
Benzene	ug/l	MW-14S	10/01/2000	ND	5.0000		0.5000
Benzene	ug/l	MW-14S	04/01/2001		2.1000	*	0.5000
Benzene	ug/l	MW-14S	07/01/2001	ND	1.0000		0.5000
Benzene	ug/l	MW-14S	10/01/2001	ND	2.0000		0.5000
Benzene	ug/l	MW-14S	01/01/2002	ND	50.0000		0.5000
Benzene	ug/l	MW-14S	04/01/2002	ND	2.0000		0.5000
Benzene	ug/l	MW-14S	07/01/2002	ND	25.0000		0.5000
Benzene	ug/l	MW-14S	10/23/2002	ND	5.0000		0.5000
Benzene	ug/l	MW-14S	04/24/2003		2.6000	*	0.5000
Benzene	ug/l	MW-14S	07/30/2003		1.4000	*	0.5000
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-15D	04/23/2003		2.3000	*	0.5000
Benzene	ug/l	MW-15D	07/30/2003		1.4000	*	0.5000
Benzene	ug/l	MW-16	07/01/1994	ND	25.0000		0.5000
Benzene	ug/l	MW-16	10/01/1994	ND	0.5000		0.5000
Benzene	ug/l	MW-16	01/01/1995	ND	0.5000		0.5000
Benzene	ug/l	MW-16	04/01/1995	ND	5.0000		0.5000
Benzene	ug/l	MW-16	01/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-16	04/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-16	07/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-16	10/01/1996	ND	0.5000		0.5000
Benzene	ug/l	MW-16	01/01/1997	ND	1.0000		0.5000
Benzene	ug/l	MW-16	04/01/1997	ND	1.0000		0.5000
Benzene	ug/l	MW-16	07/01/1997	ND	1.2000		0.5000
Benzene	ug/l	MW-16	10/01/1997	ND	2.5000		0.5000
Benzene	ug/l	MW-16	01/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-16	04/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-16	07/01/1998	ND	0.5000		0.5000
Benzene	ug/l	MW-16	10/01/1998	ND	2.5000		0.5000
Benzene	ug/l	MW-16	01/01/1999	ND	1.0000		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-16	04/01/1999	ND	2.0000		0.5000
Benzene	ug/l	MW-16	07/01/1999	ND	2.0000		0.5000
Benzene	ug/l	MW-16	10/01/1999	ND	5.0000		0.5000
Benzene	ug/l	MW-16	01/01/2000	ND	1.0000		0.5000
Benzene	ug/l	MW-16	04/01/2000	ND	2.0000		0.5000
Benzene	ug/l	MW-16	10/01/2000	ND	2.5000		0.5000
Benzene	ug/l	MW-16	04/01/2001	ND	2.0000		0.5000
Benzene	ug/l	MW-16	07/01/2001	ND	2.5000		0.5000
Benzene	ug/l	MW-16	10/01/2001	ND	2.0000		0.5000
Benzene	ug/l	MW-16	01/01/2002	ND	2.0000		0.5000
Benzene	ug/l	MW-16	04/01/2002	ND	2.0000		0.5000
Benzene	ug/l	MW-16	07/01/2002	ND	5.0000		0.5000
Benzene	ug/l	MW-16	10/24/2002	ND	2.0000		0.5000
Benzene	ug/l	MW-16	01/09/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-16	04/24/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-16	07/31/2003		0.5100	*	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-1D	04/23/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-1D	07/30/2003		0.9800	*	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		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
Benzene	ug/l	MW-4	04/25/2003		3.7333	*	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-4	07/30/2003		630.9333	*	0.5000
Benzene	ug/l	MW-4A	10/23/2002	ND	1.0000		0.5000
Benzene	ug/l	MW-4A	01/09/2003	ND	0.5000		0.5000
Benzene	ug/l	MW-4A	04/24/2003		1.7000	*	0.5000
Benzene	ug/l	MW-4A	07/30/2003		2.2000	*	0.5000
Chromium	mg/L	MW-14S	07/01/1994		0.0100		0.0100
Chromium	mg/L	MW-14S	10/01/1994	ND	0.0600		0.0100
Chromium	mg/L	MW-14S	04/01/1995	ND	0.0100		0.0100
Chromium	mg/L	MW-14S	01/01/1996		0.0300	*	0.0100
Chromium	mg/L	MW-14S	04/01/1996		0.0200	*	0.0100
Chromium	mg/L	MW-14S	07/01/1996		0.0600	*	0.0100
Chromium	mg/L	MW-14S	10/01/1996		0.0800	*	0.0100
Chromium	mg/L	MW-14S	01/01/1997		0.0300	*	0.0100
Chromium	mg/L	MW-14S	04/01/1997		0.0300	*	0.0100
Chromium	mg/L	MW-14S	07/01/1997		0.0100		0.0100
Chromium	mg/L	MW-14S	10/01/1997		0.0100		0.0100
Chromium	mg/L	MW-14S	01/01/1998		0.0100		0.0100
Chromium	mg/L	MW-14S	04/01/1998		0.0100		0.0100
Chromium	mg/L	MW-14S	07/01/1998	ND	0.0100		0.0100
Chromium	mg/L	MW-14S	10/01/1998		0.0400	*	0.0100
Chromium	mg/L	MW-14S	01/01/1999		0.0300	*	0.0100
Chromium	mg/L	MW-14S	04/01/1999	ND	0.0100		0.0100
Chromium	mg/L	MW-14S	07/01/1999	ND	0.0100		0.0100
Chromium	mg/L	MW-14S	10/01/1999		0.1500	*	0.0100
Chromium	mg/L	MW-14S	01/01/2000		0.2600	*	0.0100
Chromium	mg/L	MW-14S	04/01/2000	ND	0.0100		0.0100
Chromium	mg/L	MW-14S	10/01/2000		0.0900	*	0.0100
Chromium	mg/L	MW-14S	04/01/2001		0.0400	*	0.0100
Chromium	mg/L	MW-14S	07/01/2001		0.0200	*	0.0100
Chromium	mg/L	MW-14S	10/01/2001		0.1400	*	0.0100
Chromium	mg/L	MW-14S	01/01/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-14S	04/01/2002		0.0400	*	0.0100
Chromium	mg/L	MW-14S	07/01/2002		0.0600	*	0.0100
Chromium	mg/L	MW-14S	10/23/2002		0.4200	*	0.0100
Chromium	mg/L	MW-14S	12/30/2002		0.0100		0.0100
Chromium	mg/L	MW-14S	04/24/2003		0.0200	*	0.0100
Chromium	mg/L	MW-14S	07/30/2003		0.1500	*	0.0100
Chromium	mg/L	MW-1D	10/22/2002	ND	0.0100		0.0100
Chromium	mg/L	MW-1D	07/30/2003		0.0200	*	0.0100
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

* - 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-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-4	04/25/2003		10.6667	*	0.0100
Chromium	mg/L	MW-4	07/30/2003		715.6667	*	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
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	mg/L	MW-9	04/25/2003		120.1833	*	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	07/31/2003		1.4667	*	0.0100
Chromium (vi)	mg/L	MW-14S	07/01/1994	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	10/01/1994		0.0300	*	0.0200
Chromium (vi)	mg/L	MW-14S	04/01/1995	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	01/01/1996	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	04/01/1996		0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	07/01/1996	ND	0.0100		0.0200
Chromium (vi)	mg/L	MW-14S	10/01/1996		0.0500	*	0.0200
Chromium (vi)	mg/L	MW-14S	01/01/1997		0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	04/01/1997	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	07/01/1997	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	10/01/1997	ND	0.1000		0.0200
Chromium (vi)	mg/L	MW-14S	01/01/1998	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	04/01/1998	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	07/01/1998	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	10/01/1998		0.0300	*	0.0200
Chromium (vi)	mg/L	MW-14S	01/01/1999		0.0500	*	0.0200
Chromium (vi)	mg/L	MW-14S	04/01/1999	ND	0.0100		0.0200
Chromium (vi)	mg/L	MW-14S	07/01/1999	ND	0.0200		0.0200
Chromium (vi)	mg/L	MW-14S	10/01/1999		0.0300	*	0.0200
Chromium (vi)	mg/L	MW-14S	01/01/2000		0.1100	*	0.0200
Chromium (vi)	mg/L	MW-14S	04/01/2000	ND	0.0100		0.0200
Chromium (vi)	mg/L	MW-14S	10/01/2000		0.0300	*	0.0200
Chromium (vi)	mg/L	MW-14S	04/01/2001		0.0500	*	0.0200
Chromium (vi)	mg/L	MW-14S	01/01/2002	ND	0.0100		0.0200
Chromium (vi)	mg/L	MW-14S	04/01/2002		0.0300	*	0.0200
Chromium (vi)	mg/L	MW-14S	07/01/2002		0.0100		0.0200
Chromium (vi)	mg/L	MW-14S	10/23/2002		0.4200	*	0.0200
Chromium (vi)	mg/L	MW-14S	07/30/2003		0.1200	*	0.0200
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

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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-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-4	04/25/2003		1178.0000	*	0.0200
Chromium (vi)	mg/L	MW-4	07/30/2003		450.6667	*	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
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	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
Chromium (vi)	mg/L	MW-9	04/25/2003		130.1700	*	0.0200
Chromium (vi)	mg/L	MW-9	07/31/2003		158.1000	*	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

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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	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
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-11	04/25/2003	ND	5.0000		3.4000
Ethylbenzene	ug/l	MW-11	07/31/2003		210.0000	*	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

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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-14S	12/30/2002		130.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	04/24/2003		240.0000	*	3.4000
Ethylbenzene	ug/l	MW-14S	07/30/2003		49.0000	*	3.4000
Total xylenes	ug/l	MW-11	07/01/1994		1.6000		5.8000
Total xylenes	ug/l	MW-11	10/01/1994	ND	1.0000		5.8000
Total xylenes	ug/l	MW-11	01/01/1995		1100.0000	*	5.8000
Total xylenes	ug/l	MW-11	04/01/1995		1000.0000	*	5.8000
Total xylenes	ug/l	MW-11	01/01/1996		1000.0000	*	5.8000
Total xylenes	ug/l	MW-11	04/01/1996		1400.0000	*	5.8000
Total xylenes	ug/l	MW-11	07/01/1996		290.0000	*	5.8000
Total xylenes	ug/l	MW-11	10/01/1996		8.0000	*	5.8000
Total xylenes	ug/l	MW-11	01/01/1997		88.0000	*	5.8000
Total xylenes	ug/l	MW-11	04/01/1997		8.2000	*	5.8000
Total xylenes	ug/l	MW-11	07/01/1997	ND	5.0000		5.8000
Total xylenes	ug/l	MW-11	10/01/1997	ND	5.0000		5.8000
Total xylenes	ug/l	MW-11	01/01/1998		2200.0000	*	5.8000
Total xylenes	ug/l	MW-11	04/01/1998		210.0000	*	5.8000
Total xylenes	ug/l	MW-11	07/01/1998		4.8000		5.8000
Total xylenes	ug/l	MW-11	10/01/1998	ND	10.0000		5.8000
Total xylenes	ug/l	MW-11	01/01/1999		970.0000	*	5.8000
Total xylenes	ug/l	MW-11	04/01/1999		1270.0000	*	5.8000
Total xylenes	ug/l	MW-11	07/01/1999	ND	10.0000		5.8000
Total xylenes	ug/l	MW-11	10/01/1999		52.0000	*	5.8000
Total xylenes	ug/l	MW-11	01/01/2000	ND	12.0000		5.8000
Total xylenes	ug/l	MW-11	04/01/2000		17.0000	*	5.8000
Total xylenes	ug/l	MW-11	10/01/2000	ND	50.0000		5.8000
Total xylenes	ug/l	MW-11	04/01/2001	ND	25.0000		5.8000
Total xylenes	ug/l	MW-11	07/01/2001	ND	5.0000		5.8000
Total xylenes	ug/l	MW-11	10/01/2001		97.0000	*	5.8000
Total xylenes	ug/l	MW-11	01/01/2002		410.0000	*	5.8000
Total xylenes	ug/l	MW-11	04/01/2002	ND	25.0000		5.8000
Total xylenes	ug/l	MW-11	07/01/2002		100.0000	*	5.8000
Total xylenes	ug/l	MW-11	10/24/2002	ND	20.0000		5.8000
Total xylenes	ug/l	MW-11	12/30/2002	ND	40.0000		5.8000
Total xylenes	ug/l	MW-11	04/25/2003	ND	10.0000		5.8000
Total xylenes	ug/l	MW-11	07/31/2003		94.0000	*	5.8000
Trichloroethene	ug/l	MW-11	07/01/1994		180.0000	*	23.7663
Trichloroethene	ug/l	MW-11	10/01/1994		360.0000	*	23.7663
Trichloroethene	ug/l	MW-11	01/01/1995		660.0000	*	23.7663
Trichloroethene	ug/l	MW-11	04/01/1995		74.0000	*	23.7663
Trichloroethene	ug/l	MW-11	01/01/1996		620.0000	*	23.7663
Trichloroethene	ug/l	MW-11	04/01/1996		240.0000	*	23.7663
Trichloroethene	ug/l	MW-11	07/01/1996		220.0000	*	23.7663
Trichloroethene	ug/l	MW-11	10/01/1996		250.0000	*	23.7663
Trichloroethene	ug/l	MW-11	01/01/1997		160.0000	*	23.7663
Trichloroethene	ug/l	MW-11	04/01/1997		370.0000	*	23.7663
Trichloroethene	ug/l	MW-11	07/01/1997		240.0000	*	23.7663
Trichloroethene	ug/l	MW-11	10/01/1997		350.0000	*	23.7663
Trichloroethene	ug/l	MW-11	01/01/1998		390.0000	*	23.7663
Trichloroethene	ug/l	MW-11	04/01/1998		180.0000	*	23.7663
Trichloroethene	ug/l	MW-11	07/01/1998		150.0000	*	23.7663
Trichloroethene	ug/l	MW-11	10/01/1998		430.0000	*	23.7663

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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	01/01/1999		690.0000	*	23.7663
Trichloroethene	ug/l	MW-11	04/01/1999		480.0000	*	23.7663
Trichloroethene	ug/l	MW-11	07/01/1999		740.0000	*	23.7663
Trichloroethene	ug/l	MW-11	10/01/1999		650.0000	*	23.7663
Trichloroethene	ug/l	MW-11	01/01/2000		820.0000	*	23.7663
Trichloroethene	ug/l	MW-11	04/01/2000		1100.0000	*	23.7663
Trichloroethene	ug/l	MW-11	10/01/2000		2900.0000	*	23.7663
Trichloroethene	ug/l	MW-11	04/01/2001		1700.0000	*	23.7663
Trichloroethene	ug/l	MW-11	07/01/2001		400.0000	*	23.7663
Trichloroethene	ug/l	MW-11	10/01/2001		1500.0000	*	23.7663
Trichloroethene	ug/l	MW-11	01/01/2002		630.0000	*	23.7663
Trichloroethene	ug/l	MW-11	04/01/2002		1300.0000	*	23.7663
Trichloroethene	ug/l	MW-11	07/01/2002		1500.0000	*	23.7663
Trichloroethene	ug/l	MW-11	10/24/2002		700.0000	*	23.7663
Trichloroethene	ug/l	MW-11	12/30/2002		550.0000	*	23.7663
Trichloroethene	ug/l	MW-11	04/25/2003		410.0000	*	23.7663
Trichloroethene	ug/l	MW-11	07/31/2003		1100.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	07/01/1994		15.0000		23.7663
Trichloroethene	ug/l	MW-14S	10/01/1994		58.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	04/01/1995		20.0000		23.7663
Trichloroethene	ug/l	MW-14S	01/01/1996		42.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	04/01/1996		51.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	07/01/1996		37.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	10/01/1996		61.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	01/01/1997		90.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	04/01/1997		45.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	07/01/1997		35.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	10/01/1997		57.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	01/01/1998		50.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	04/01/1998		38.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	07/01/1998		18.0000		23.7663
Trichloroethene	ug/l	MW-14S	10/01/1998		62.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	01/01/1999		98.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	04/01/1999		84.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	07/01/1999		74.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	10/01/1999		180.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	01/01/2000		230.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	04/01/2000		60.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	10/01/2000		170.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	04/01/2001		130.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	07/01/2001		35.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	10/01/2001		170.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	01/01/2002		91.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	04/01/2002		130.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	07/01/2002		150.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	10/23/2002		360.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	12/30/2002		190.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	04/24/2003		160.0000	*	23.7663
Trichloroethene	ug/l	MW-14S	07/30/2003		200.0000	*	23.7663
Trichloroethene	ug/l	MW-16	07/01/1994		76.0000	*	23.7663
Trichloroethene	ug/l	MW-16	10/01/1994		91.0000	*	23.7663
Trichloroethene	ug/l	MW-16	01/01/1995		17.0000		23.7663

* - 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-16	04/01/1995		34.0000	*	23.7663
Trichloroethene	ug/l	MW-16	01/01/1996		26.0000	*	23.7663
Trichloroethene	ug/l	MW-16	04/01/1996		36.0000	*	23.7663
Trichloroethene	ug/l	MW-16	07/01/1996		110.0000	*	23.7663
Trichloroethene	ug/l	MW-16	10/01/1996		73.0000	*	23.7663
Trichloroethene	ug/l	MW-16	01/01/1997		32.0000	*	23.7663
Trichloroethene	ug/l	MW-16	04/01/1997		31.0000	*	23.7663
Trichloroethene	ug/l	MW-16	07/01/1997		30.0000	*	23.7663
Trichloroethene	ug/l	MW-16	10/01/1997		53.0000	*	23.7663
Trichloroethene	ug/l	MW-16	01/01/1998		29.0000	*	23.7663
Trichloroethene	ug/l	MW-16	04/01/1998		29.0000	*	23.7663
Trichloroethene	ug/l	MW-16	07/01/1998		28.0000	*	23.7663
Trichloroethene	ug/l	MW-16	10/01/1998		58.0000	*	23.7663
Trichloroethene	ug/l	MW-16	01/01/1999		36.0000	*	23.7663
Trichloroethene	ug/l	MW-16	04/01/1999		39.0000	*	23.7663
Trichloroethene	ug/l	MW-16	07/01/1999		29.0000	*	23.7663
Trichloroethene	ug/l	MW-16	10/01/1999		42.0000	*	23.7663
Trichloroethene	ug/l	MW-16	01/01/2000		18.0000		23.7663
Trichloroethene	ug/l	MW-16	04/01/2000		26.0000	*	23.7663
Trichloroethene	ug/l	MW-16	10/01/2000		36.0000	*	23.7663
Trichloroethene	ug/l	MW-16	04/01/2001		36.0000	*	23.7663
Trichloroethene	ug/l	MW-16	07/01/2001		26.0000	*	23.7663
Trichloroethene	ug/l	MW-16	10/01/2001		34.0000	*	23.7663
Trichloroethene	ug/l	MW-16	01/01/2002		31.0000	*	23.7663
Trichloroethene	ug/l	MW-16	04/01/2002		37.0000	*	23.7663
Trichloroethene	ug/l	MW-16	07/01/2002		47.0000	*	23.7663
Trichloroethene	ug/l	MW-16	10/24/2002		25.0000	*	23.7663
Trichloroethene	ug/l	MW-16	01/09/2003		20.0000		23.7663
Trichloroethene	ug/l	MW-16	04/24/2003		20.0000		23.7663
Trichloroethene	ug/l	MW-16	07/31/2003		38.0000	*	23.7663
Trichloroethene	ug/l	MW-3	07/01/1994		26.0000	*	23.7663
Trichloroethene	ug/l	MW-3	10/01/1994		76.0000	*	23.7663
Trichloroethene	ug/l	MW-3	01/01/1995		72.0000	*	23.7663
Trichloroethene	ug/l	MW-3	04/01/1995		57.0000	*	23.7663
Trichloroethene	ug/l	MW-3	01/01/1996		26.0000	*	23.7663
Trichloroethene	ug/l	MW-3	04/01/1996		46.0000	*	23.7663
Trichloroethene	ug/l	MW-3	07/01/1996		17.0000		23.7663
Trichloroethene	ug/l	MW-3	10/01/1996		21.0000		23.7663
Trichloroethene	ug/l	MW-3	01/01/1997		28.0000	*	23.7663
Trichloroethene	ug/l	MW-3	04/01/1997		13.0000		23.7663
Trichloroethene	ug/l	MW-3	07/01/1997		13.0000		23.7663
Trichloroethene	ug/l	MW-3	10/01/1997		24.0000	*	23.7663
Trichloroethene	ug/l	MW-3	01/01/1998		25.0000	*	23.7663
Trichloroethene	ug/l	MW-3	04/01/1998		18.0000		23.7663
Trichloroethene	ug/l	MW-3	07/01/1998		25.0000	*	23.7663
Trichloroethene	ug/l	MW-3	10/01/1998		24.0000	*	23.7663
Trichloroethene	ug/l	MW-3	01/01/1999		26.0000	*	23.7663
Trichloroethene	ug/l	MW-3	04/01/1999		21.0000		23.7663
Trichloroethene	ug/l	MW-3	07/01/1999		43.0000	*	23.7663
Trichloroethene	ug/l	MW-3	10/01/1999		170.0000	*	23.7663
Trichloroethene	ug/l	MW-3	01/01/2000		170.0000	*	23.7663
Trichloroethene	ug/l	MW-3	04/01/2000		170.0000	*	23.7663

* - 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	10/01/2000	ND	2.5000		23.7663
Trichloroethene	ug/l	MW-3	04/01/2001		150.0000	*	23.7663
Trichloroethene	ug/l	MW-3	07/01/2001		41.0000	*	23.7663
Trichloroethene	ug/l	MW-3	10/01/2001		290.0000	*	23.7663
Trichloroethene	ug/l	MW-3	01/01/2002		220.0000	*	23.7663
Trichloroethene	ug/l	MW-3	04/01/2002		280.0000	*	23.7663
Trichloroethene	ug/l	MW-3	07/01/2002		260.0000	*	23.7663
Trichloroethene	ug/l	MW-3	10/22/2002		190.0000	*	23.7663
Trichloroethene	ug/l	MW-3	01/08/2003		250.0000	*	23.7663
Trichloroethene	ug/l	MW-3	04/23/2003		190.0000	*	23.7663
Trichloroethene	ug/l	MW-3	07/29/2003		280.0000	*	23.7663
Trichloroethene	ug/l	MW-4	07/01/1994		340.0000	*	23.7663
Trichloroethene	ug/l	MW-4	10/01/1994		390.0000	*	23.7663
Trichloroethene	ug/l	MW-4	01/01/1995		190.0000	*	23.7663
Trichloroethene	ug/l	MW-4	04/01/1995		67.0000	*	23.7663
Trichloroethene	ug/l	MW-4	01/01/1996		160.0000	*	23.7663
Trichloroethene	ug/l	MW-4	04/01/1996		130.0000	*	23.7663
Trichloroethene	ug/l	MW-4	07/01/1996		140.0000	*	23.7663
Trichloroethene	ug/l	MW-4	10/01/1996		310.0000	*	23.7663
Trichloroethene	ug/l	MW-4	01/01/1997		330.0000	*	23.7663
Trichloroethene	ug/l	MW-4	04/01/1997		150.0000	*	23.7663
Trichloroethene	ug/l	MW-4	07/01/1997		150.0000	*	23.7663
Trichloroethene	ug/l	MW-4	10/01/1997		230.0000	*	23.7663
Trichloroethene	ug/l	MW-4	01/01/1998		180.0000	*	23.7663
Trichloroethene	ug/l	MW-4	04/01/1998		92.0000	*	23.7663
Trichloroethene	ug/l	MW-4	07/01/1998		120.0000	*	23.7663
Trichloroethene	ug/l	MW-4	10/01/1998		120.0000	*	23.7663
Trichloroethene	ug/l	MW-4	01/01/1999		260.0000	*	23.7663
Trichloroethene	ug/l	MW-4	04/01/1999		190.0000	*	23.7663
Trichloroethene	ug/l	MW-4	07/01/1999		140.0000	*	23.7663
Trichloroethene	ug/l	MW-4	10/01/1999		210.0000	*	23.7663
Trichloroethene	ug/l	MW-4	01/01/2000		160.0000	*	23.7663
Trichloroethene	ug/l	MW-4	04/01/2000		240.0000	*	23.7663
Trichloroethene	ug/l	MW-4	10/01/2000		170.0000	*	23.7663
Trichloroethene	ug/l	MW-4	04/01/2001		150.0000	*	23.7663
Trichloroethene	ug/l	MW-4	07/01/2001		75.0000	*	23.7663
Trichloroethene	ug/l	MW-4	10/01/2001		195.0000	*	23.7663
Trichloroethene	ug/l	MW-4	01/01/2002		135.0000	*	23.7663
Trichloroethene	ug/l	MW-4	04/01/2002		260.0000	*	23.7663
Trichloroethene	ug/l	MW-4	07/01/2002		210.0000	*	23.7663
Trichloroethene	ug/l	MW-4	10/23/2002		135.0000	*	23.7663
Trichloroethene	ug/l	MW-4	12/30/2002		92.0000	*	23.7663
Trichloroethene	ug/l	MW-4	04/25/2003		336.6667	*	23.7663
Trichloroethene	ug/l	MW-4	07/30/2003		326.6667	*	23.7663
Trichloroethene	ug/l	MW-4A	10/23/2002		36.0000	*	23.7663
Trichloroethene	ug/l	MW-4A	01/09/2003		42.0000	*	23.7663
Trichloroethene	ug/l	MW-4A	04/24/2003		110.0000	*	23.7663
Trichloroethene	ug/l	MW-4A	07/30/2003		150.0000	*	23.7663
Trichloroethene	ug/l	MW-9	07/01/1994		200.0000	*	23.7663
Trichloroethene	ug/l	MW-9	10/01/1994		350.0000	*	23.7663
Trichloroethene	ug/l	MW-9	01/01/1995		310.0000	*	23.7663
Trichloroethene	ug/l	MW-9	04/01/1995		670.0000	*	23.7663

* - 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	01/01/1996		500.0000	*	23.7663
Trichloroethene	ug/l	MW-9	04/01/1996		580.0000	*	23.7663
Trichloroethene	ug/l	MW-9	07/01/1996		570.0000	*	23.7663
Trichloroethene	ug/l	MW-9	10/01/1996		470.0000	*	23.7663
Trichloroethene	ug/l	MW-9	01/01/1997		400.0000	*	23.7663
Trichloroethene	ug/l	MW-9	04/01/1997		770.0000	*	23.7663
Trichloroethene	ug/l	MW-9	07/01/1997		850.0000	*	23.7663
Trichloroethene	ug/l	MW-9	10/01/1997		600.0000	*	23.7663
Trichloroethene	ug/l	MW-9	01/01/1998		270.0000	*	23.7663
Trichloroethene	ug/l	MW-9	04/01/1998		390.0000	*	23.7663
Trichloroethene	ug/l	MW-9	07/01/1998		1300.0000	*	23.7663
Trichloroethene	ug/l	MW-9	10/01/1998		1200.0000	*	23.7663
Trichloroethene	ug/l	MW-9	01/01/1999		550.0000	*	23.7663
Trichloroethene	ug/l	MW-9	04/01/1999		350.0000	*	23.7663
Trichloroethene	ug/l	MW-9	07/01/1999		810.0000	*	23.7663
Trichloroethene	ug/l	MW-9	10/01/1999		280.0000	*	23.7663
Trichloroethene	ug/l	MW-9	01/01/2000		170.0000	*	23.7663
Trichloroethene	ug/l	MW-9	04/01/2000		370.0000	*	23.7663
Trichloroethene	ug/l	MW-9	10/01/2000		160.0000	*	23.7663
Trichloroethene	ug/l	MW-9	04/01/2001		200.0000	*	23.7663
Trichloroethene	ug/l	MW-9	07/01/2001		120.0000	*	23.7663
Trichloroethene	ug/l	MW-9	10/01/2001		390.0000	*	23.7663
Trichloroethene	ug/l	MW-9	01/01/2002		200.0000	*	23.7663
Trichloroethene	ug/l	MW-9	04/01/2002		165.0000	*	23.7663
Trichloroethene	ug/l	MW-9	07/01/2002		525.0000	*	23.7663
Trichloroethene	ug/l	MW-9	10/24/2002		585.0000	*	23.7663
Trichloroethene	ug/l	MW-9	01/09/2003		390.0000	*	23.7663
Trichloroethene	ug/l	MW-9	04/25/2003		300.0000	*	23.7663
Trichloroethene	ug/l	MW-9	07/31/2003		456.6667	*	23.7663
Trichloroethene	ug/l	MW07	12/30/2002		13.0000		23.7663
Trichloroethene	ug/l	MW07	04/24/2003		59.0000	*	23.7663
Trichloroethene	ug/l	MW07	07/30/2003		60.0000	*	23.7663

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

Appendix F-2
Prediction Limit Calculation Sheets

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 = **14**	Number of comparisons.
3	N = **33**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.658**	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 = max(X) = **0.01**	Compute nonparametric prediction limit as largest background measurement.
2	K = **14**	Number of comparisons.
3	N = **32**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.65**	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 = median(X) = **0.02**	Compute nonparametric prediction limit as median reporting limit in background.
2	K = **14**	Number of comparisons.
3	N = **24**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.565**	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 = **14**	Number of comparisons.
3	N = **33**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.658**	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 = **14**	Number of comparisons.
3	N = **33**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.658**	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 = **14**	Number of comparisons.
3	N = **32**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.65**	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 = **14**	Number of comparisons.
3	N = **33**	Number of background measurements.
4	No resampling.	
5	Confidence = **0.658**	Confidence level is based on N, K and resampling strategy (see Gibbons 1994).

Worksheet 1 - Comparison to Background

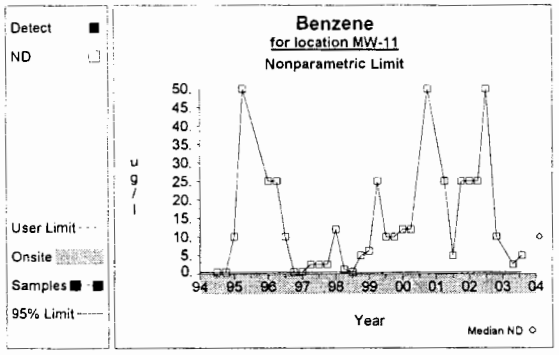
Trichloroethene (ug/l)

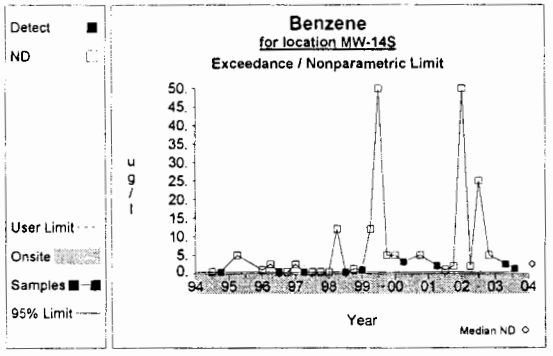
Normal Prediction Limit

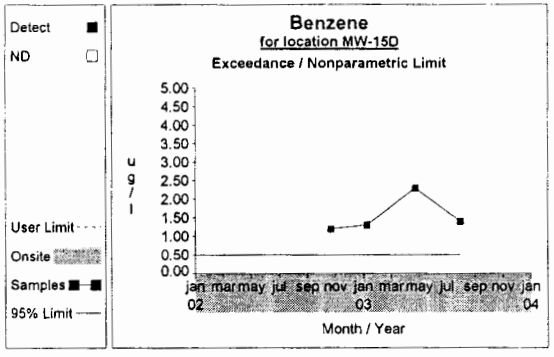
Step	Equation	Description
1	$\bar{X}$ = sum[X] / N = 322.4 / 33 = 9.77	Compute background mean.
2	S = ((sum[X^2] - sum[X]^2/N) / (N-1))^{½} = ((3593.22 - 103941.76/33) / (33-1))^{½} = 3.723	Compute background sd.
3	alpha = (1-conf)/K = (1-.95)/126 = 3.968 x 10^{-4}	Adjusted per comparison false positive rate. Pass initial (no resampling).
4	PL = $\bar{X}$ + tS(1+1/N)^{½} = 9.77 + (3.704*3.723)(1+1/33)^{½} = 23.766	One-sided normal prediction limit (t is Student's t on N-1 degrees of freedom and 1-alpha confidence level).

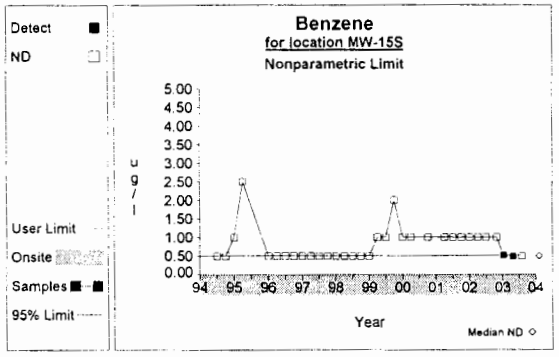
Appendix F-3
Control Charts

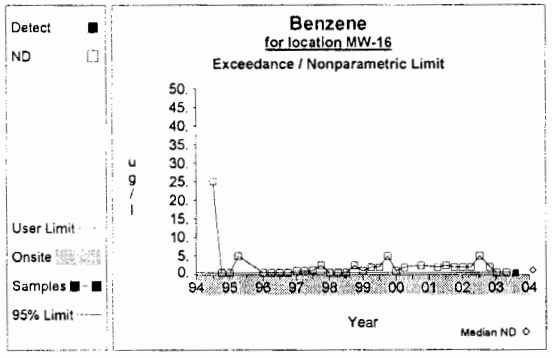
Comparison to Background

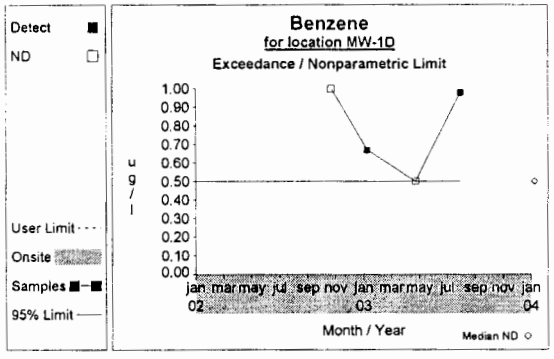


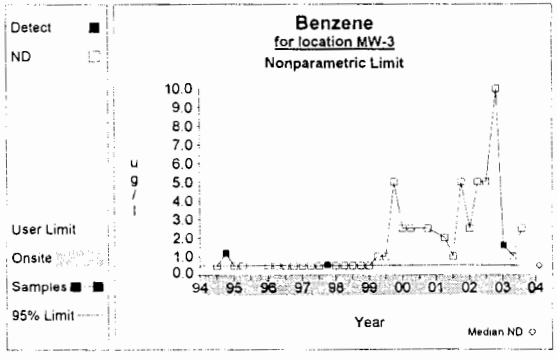


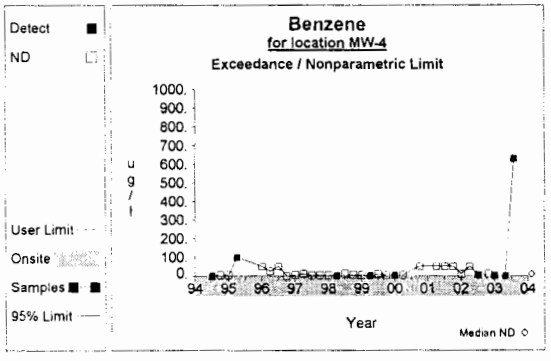


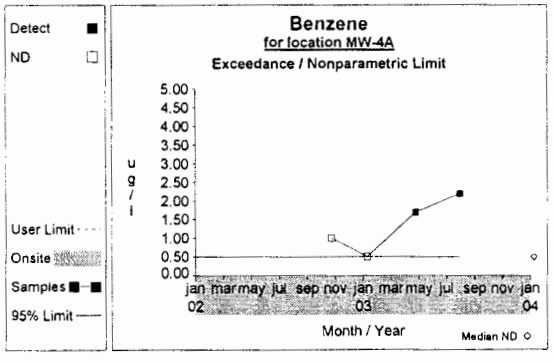




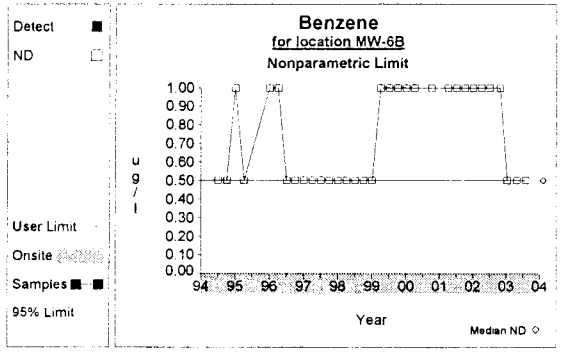


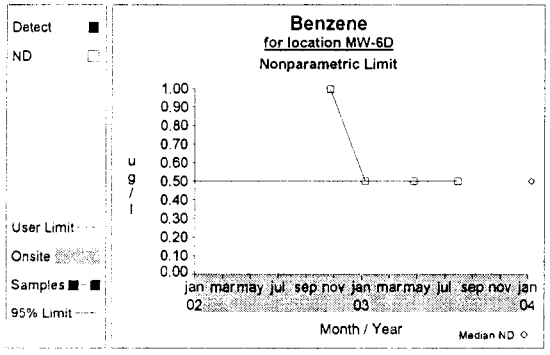


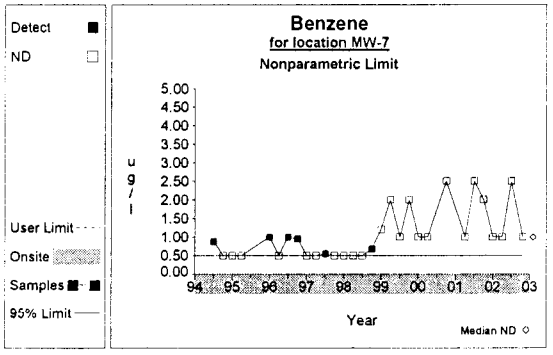


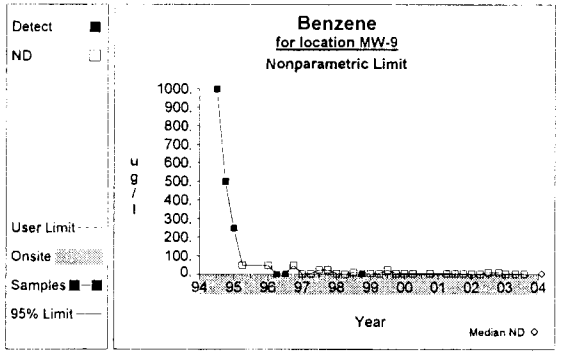


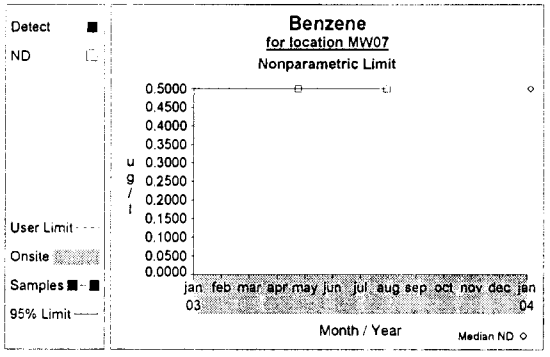
Comparison to Background

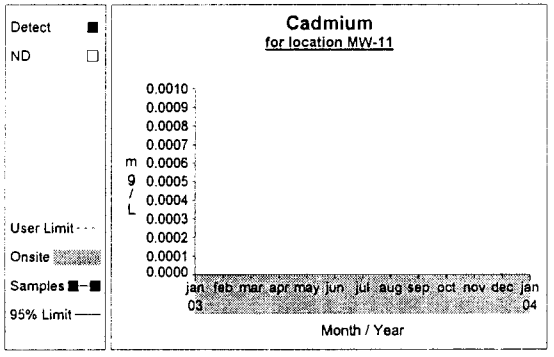


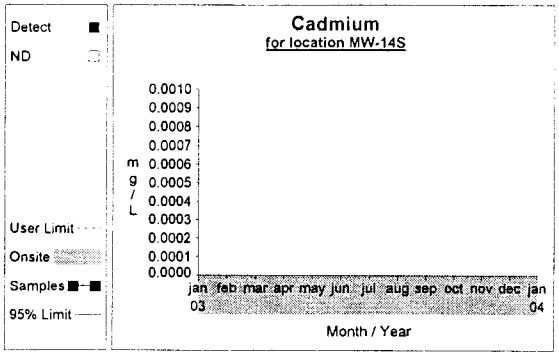


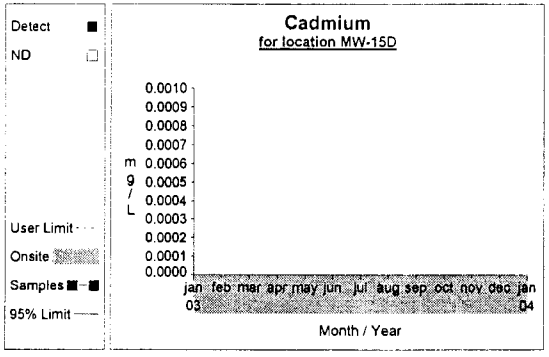


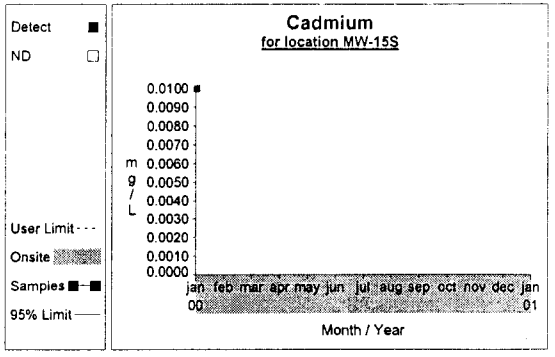












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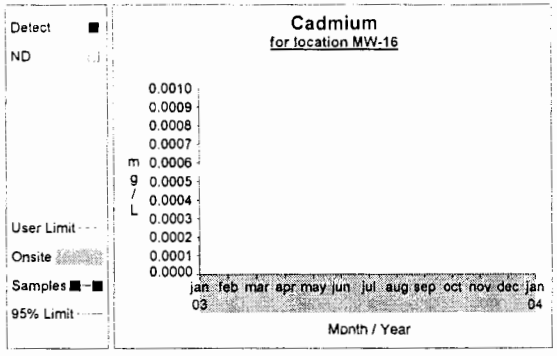

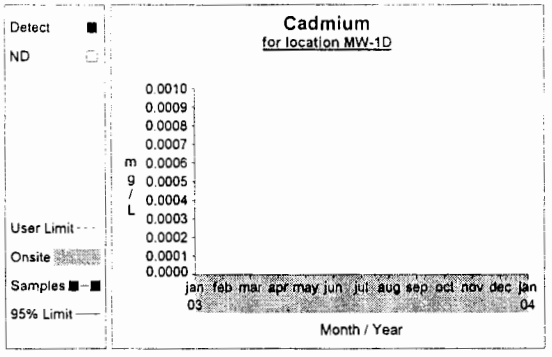

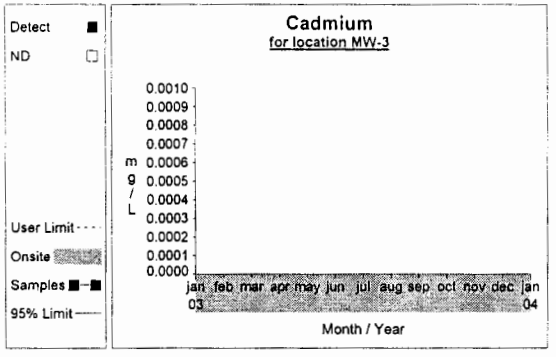

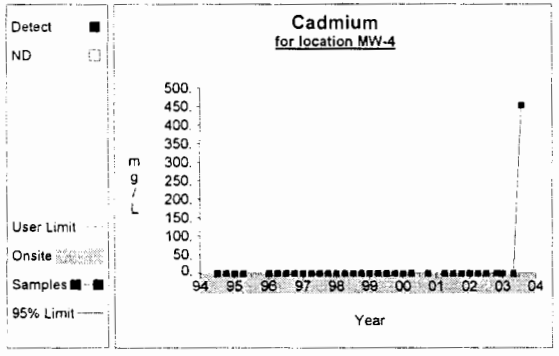

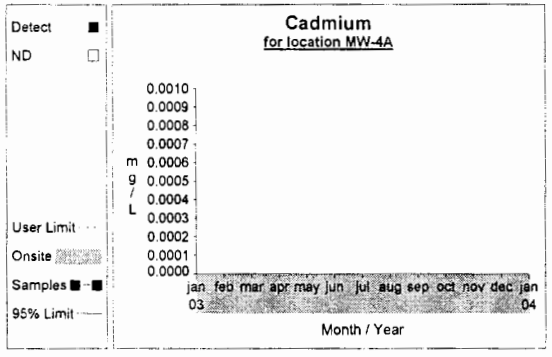

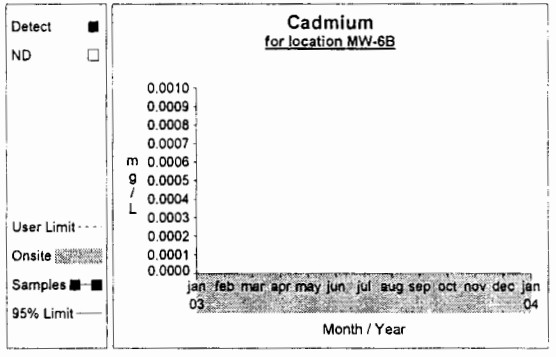

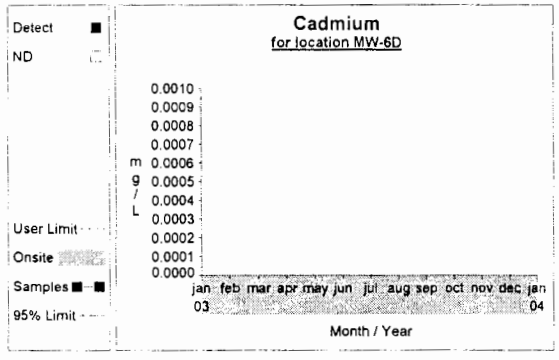

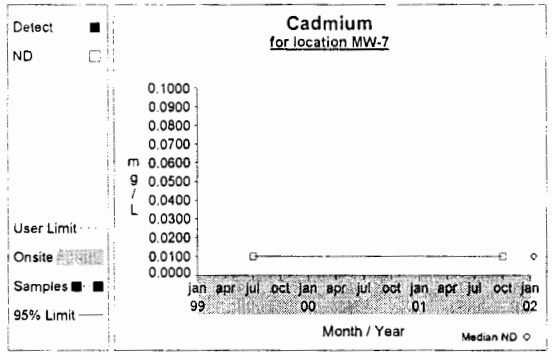

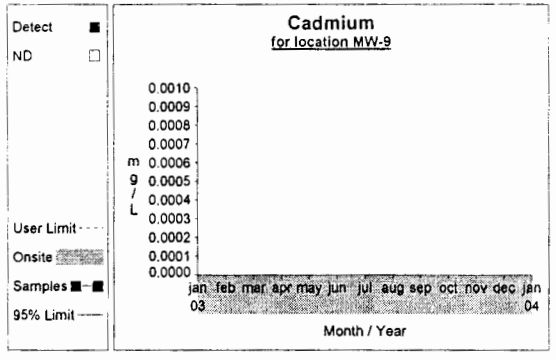

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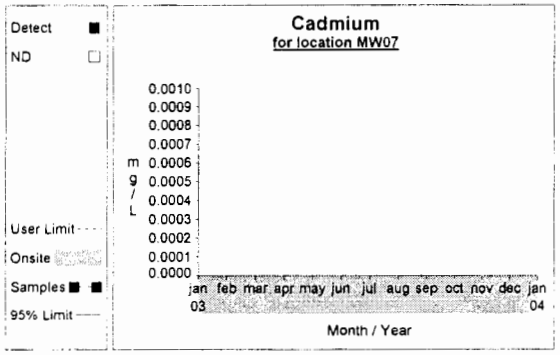

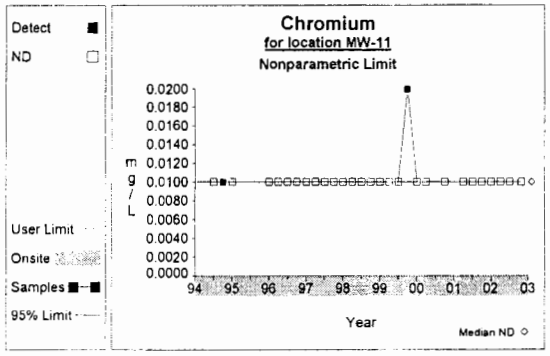

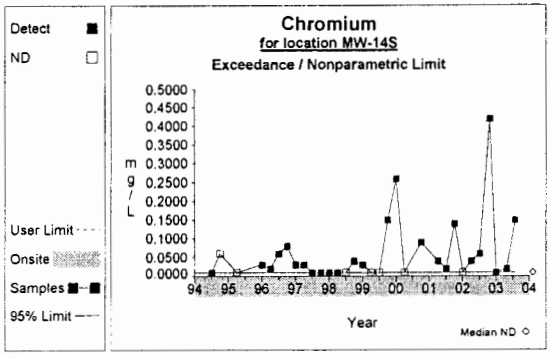

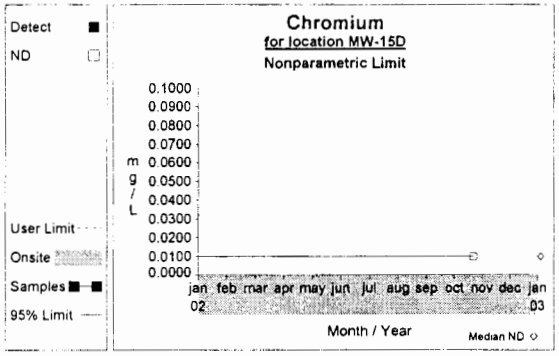

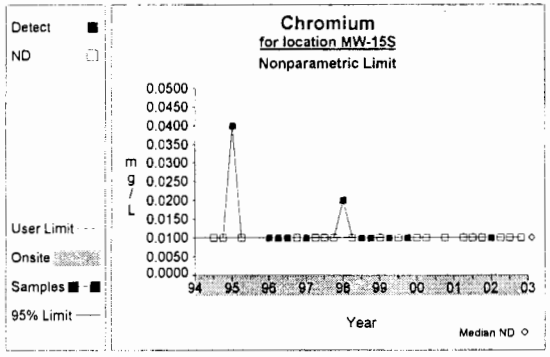

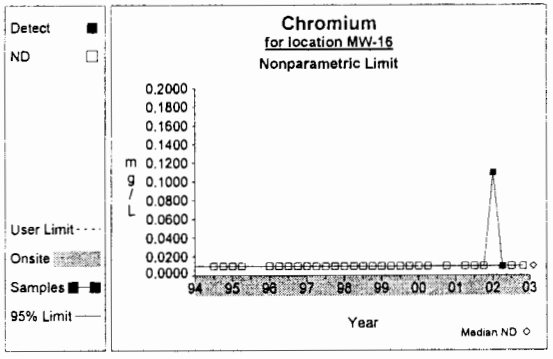

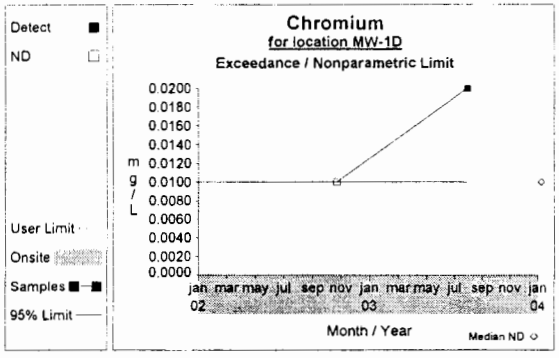

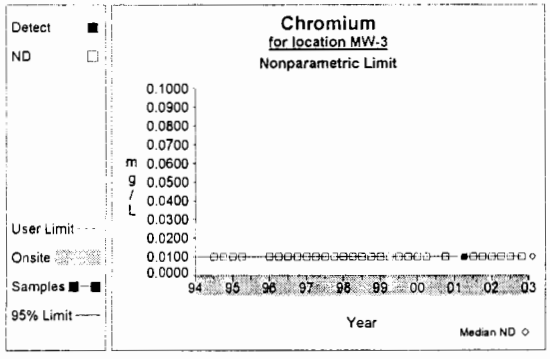

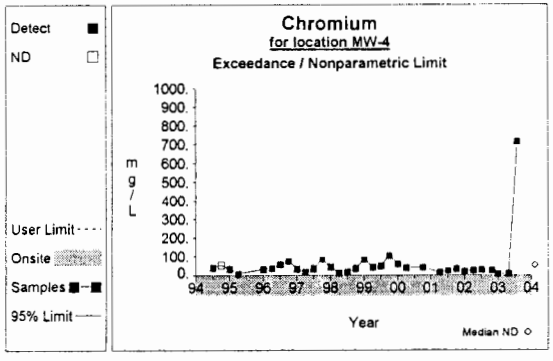

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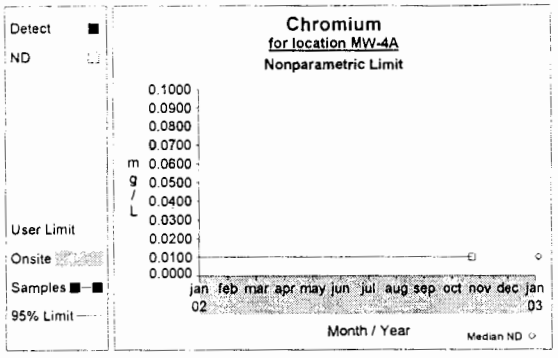

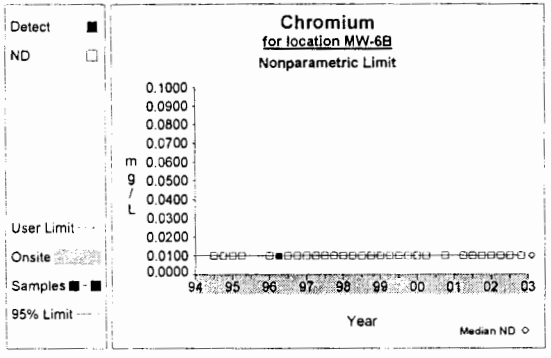

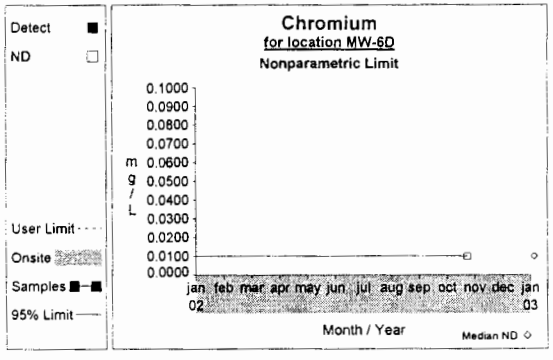

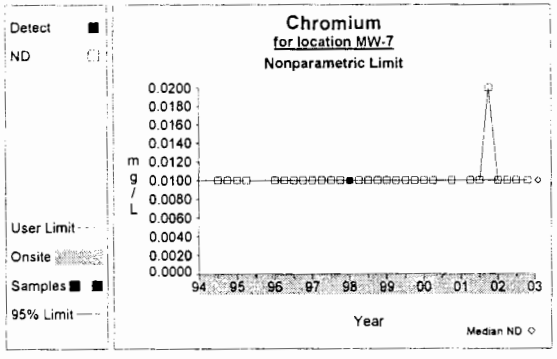

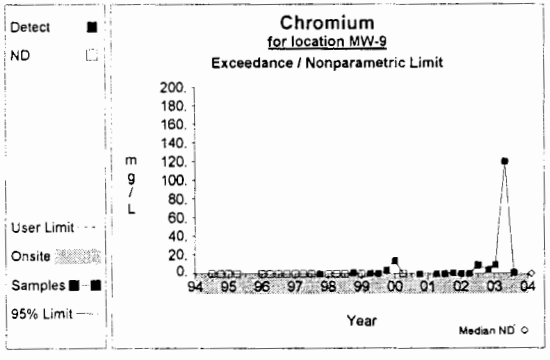

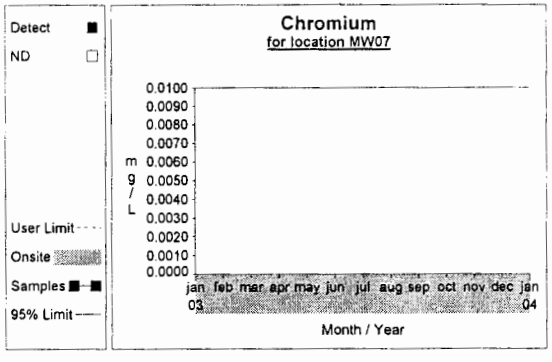

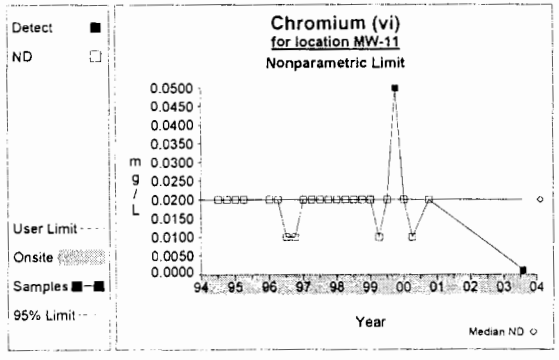

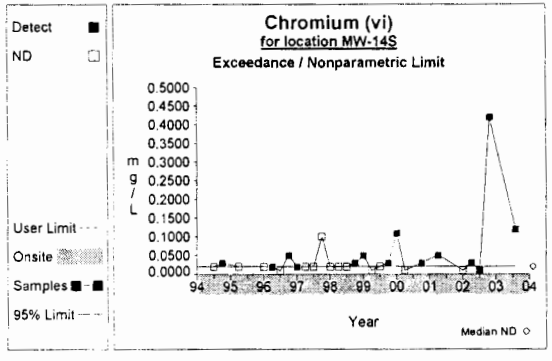

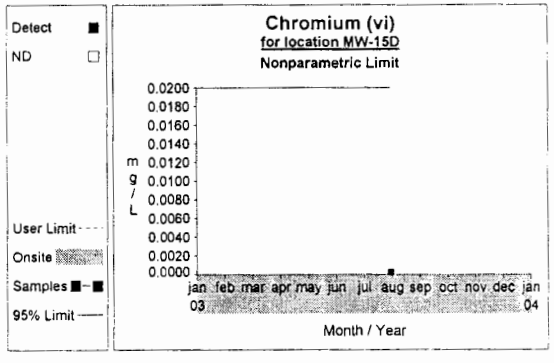

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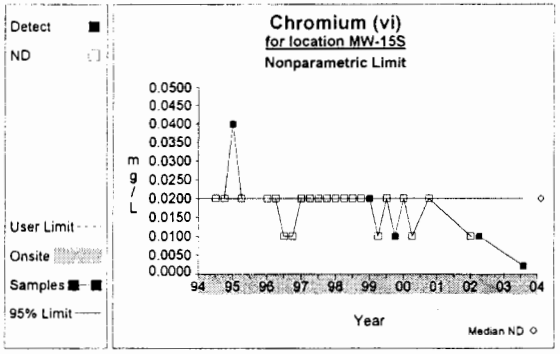

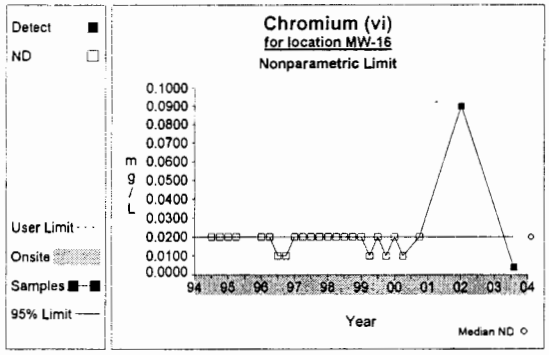

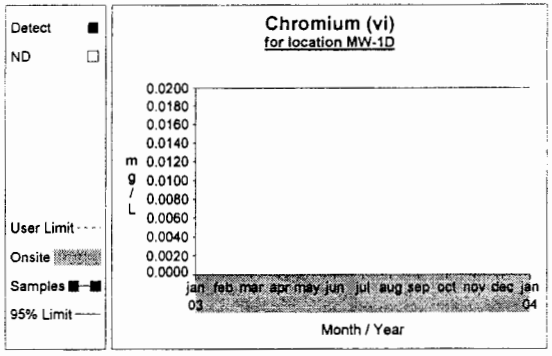

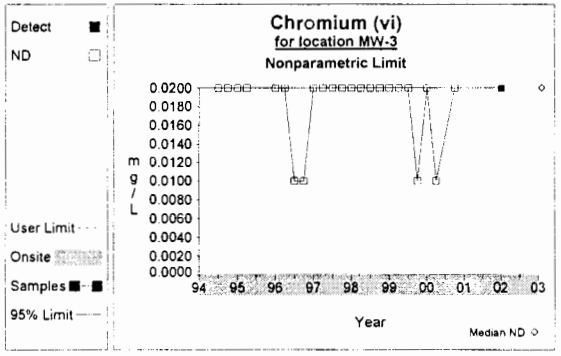

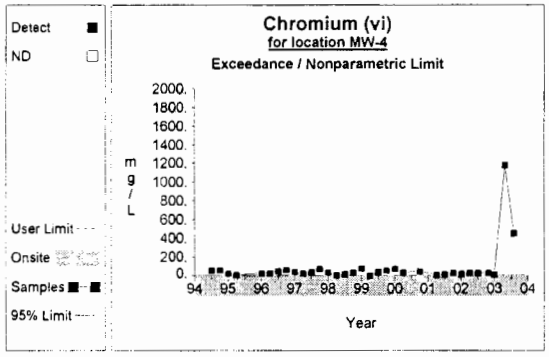

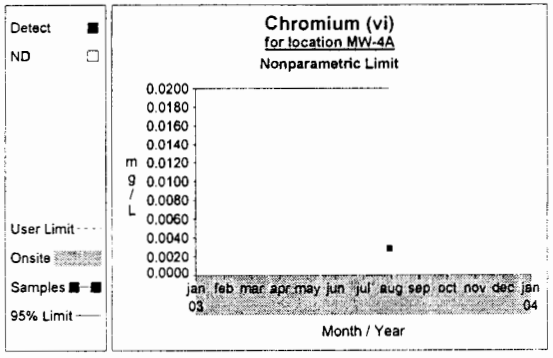

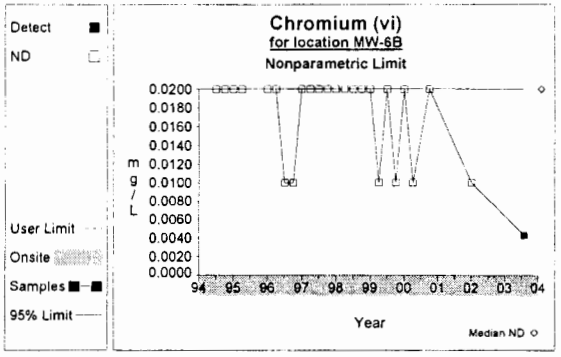

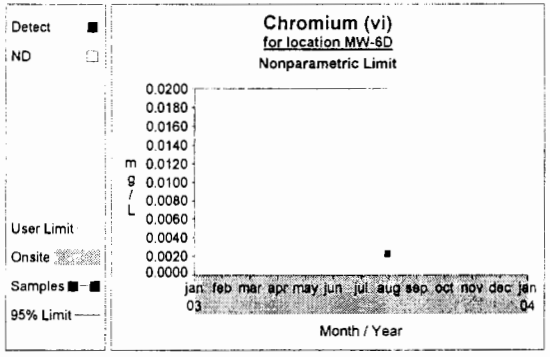

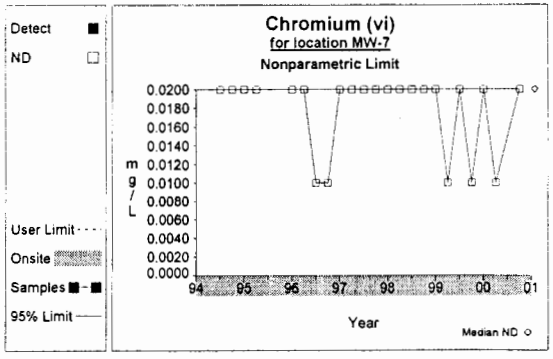

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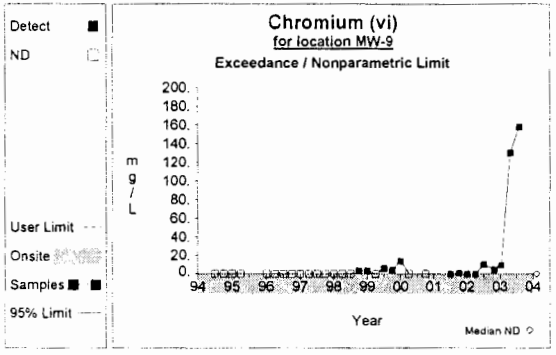

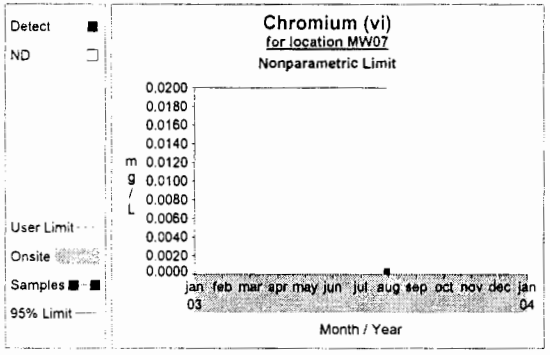

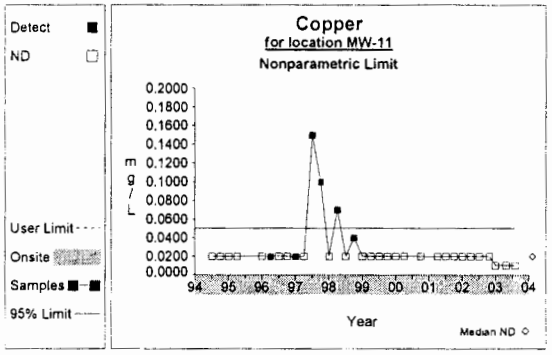

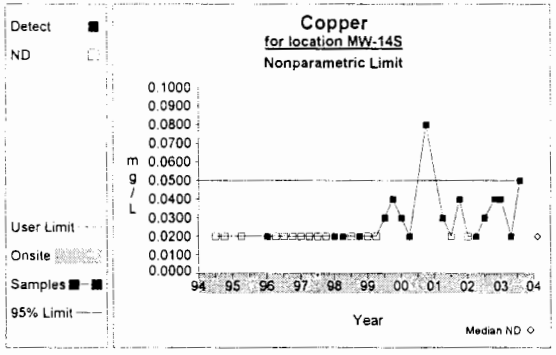

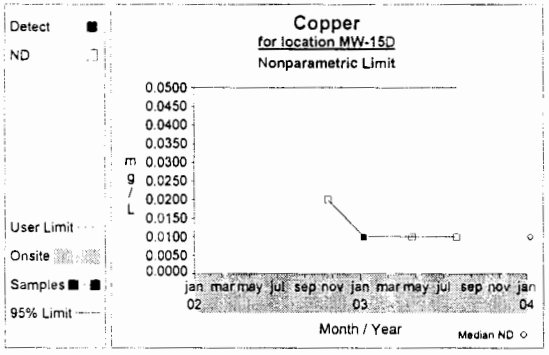

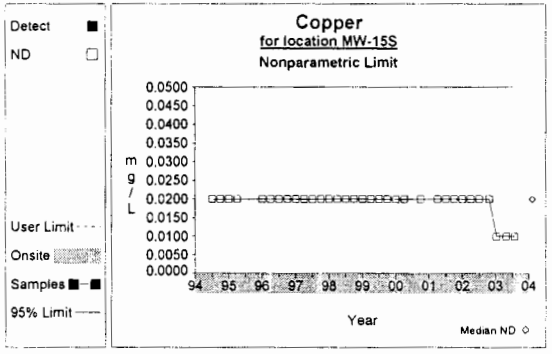

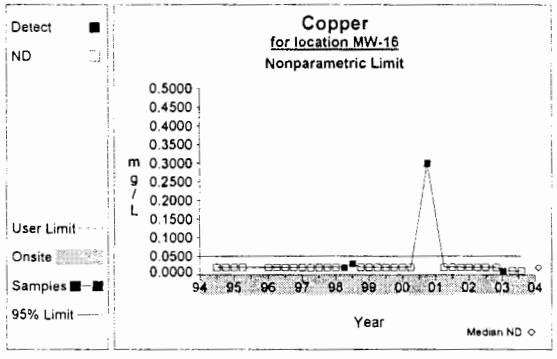

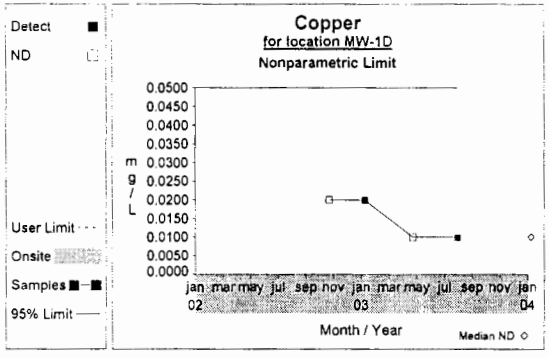

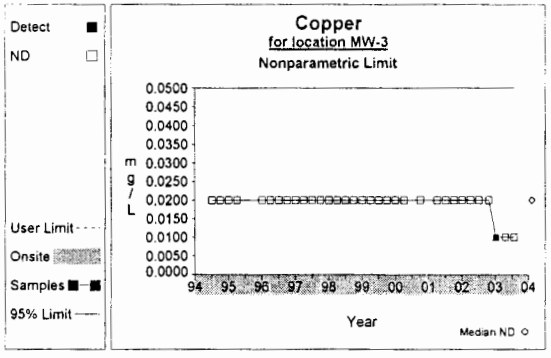

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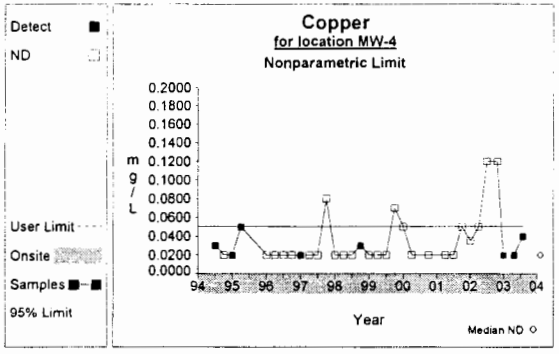

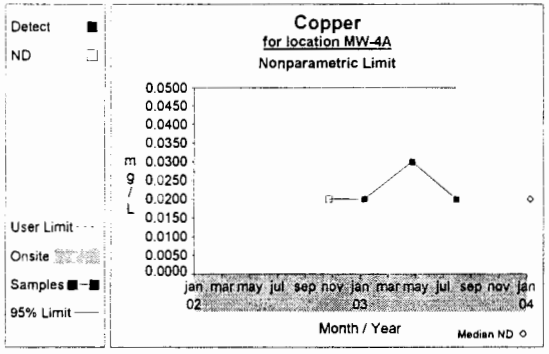

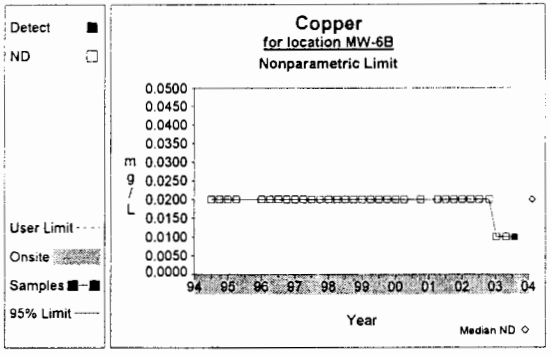

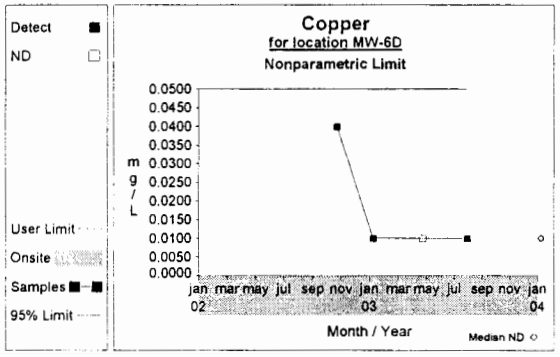

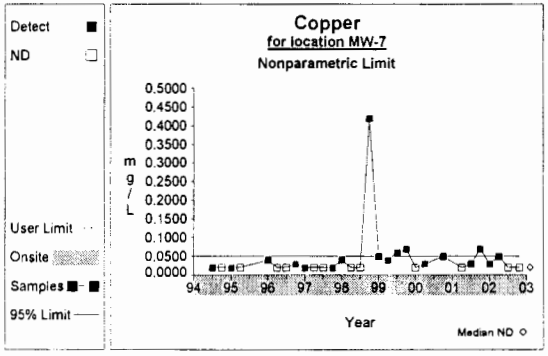

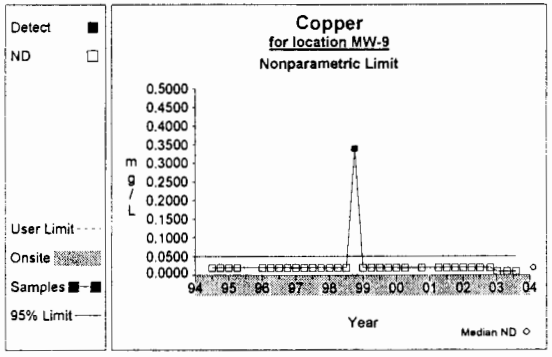

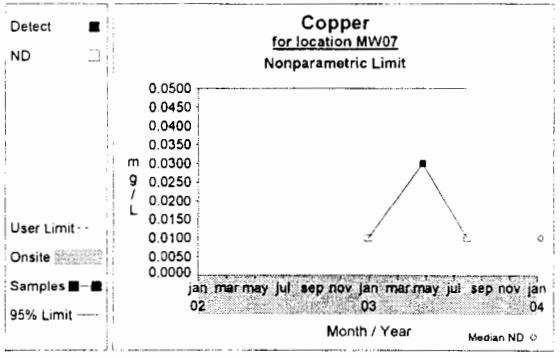

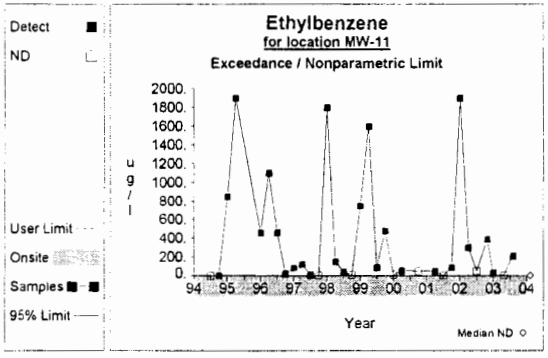

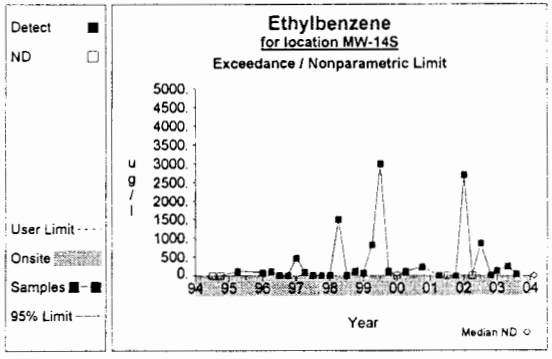

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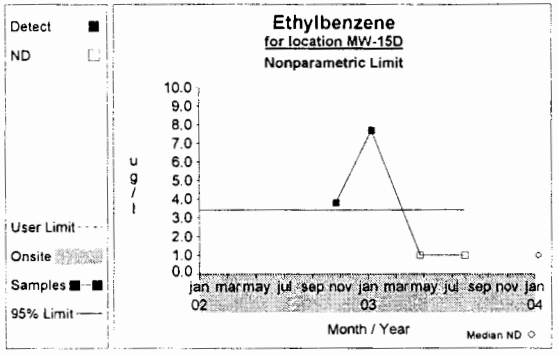

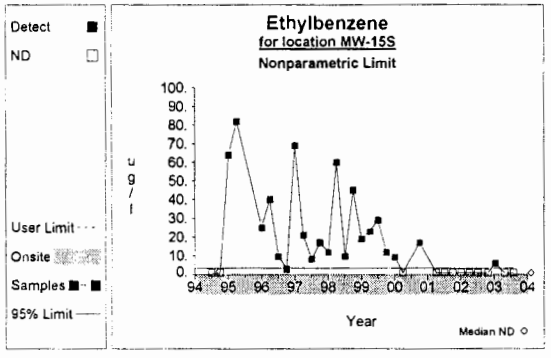

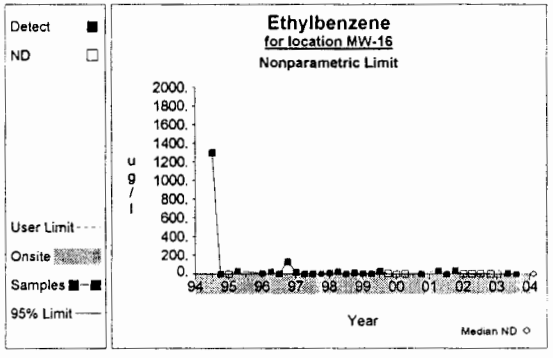

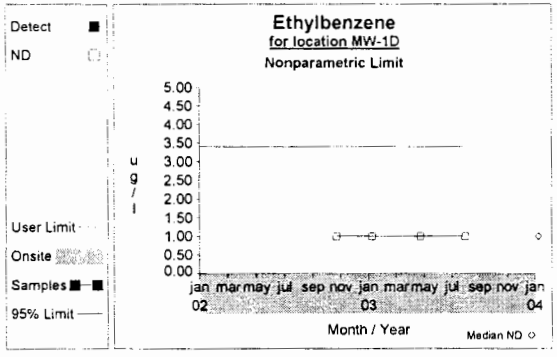

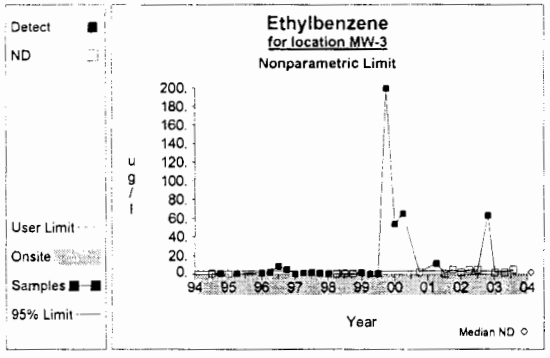

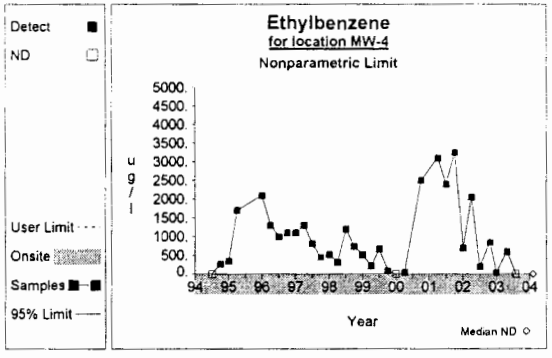

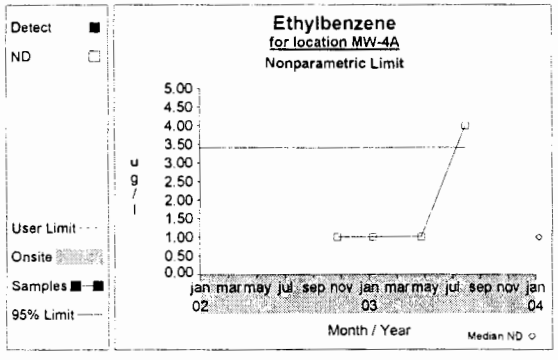

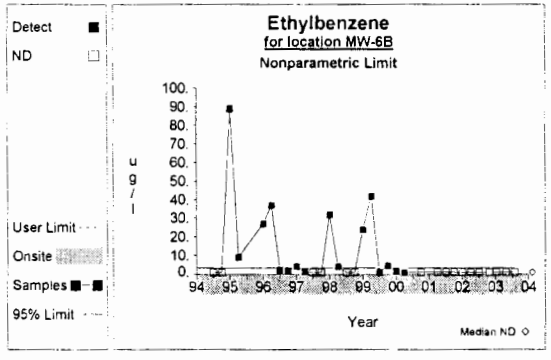

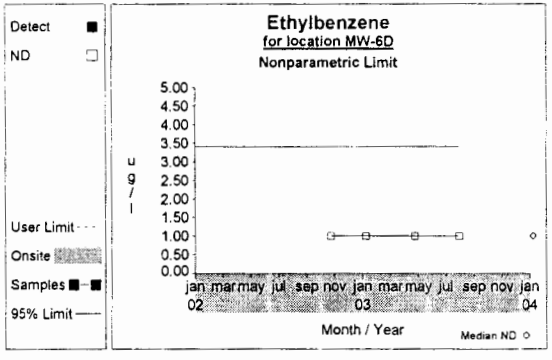

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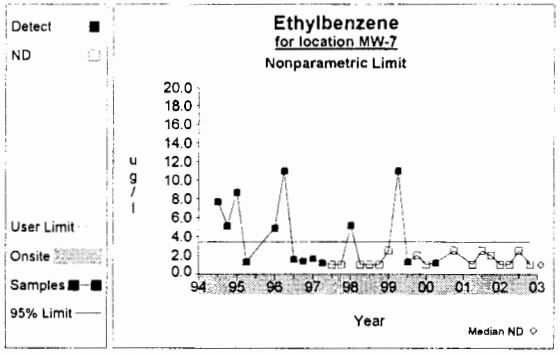

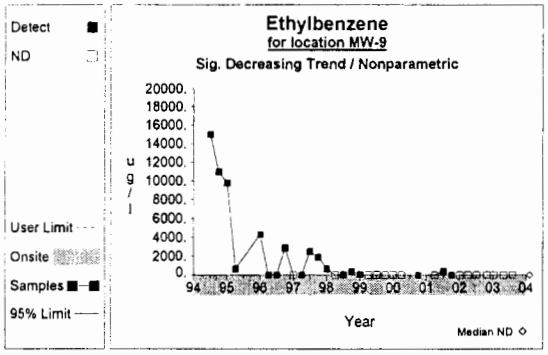

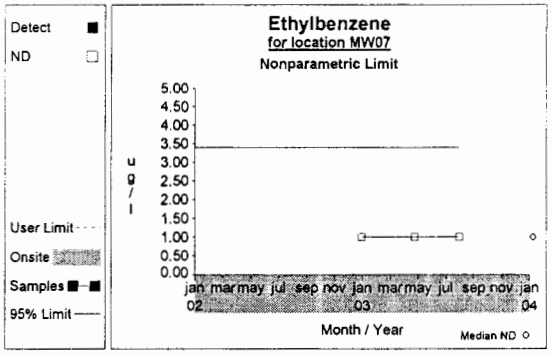

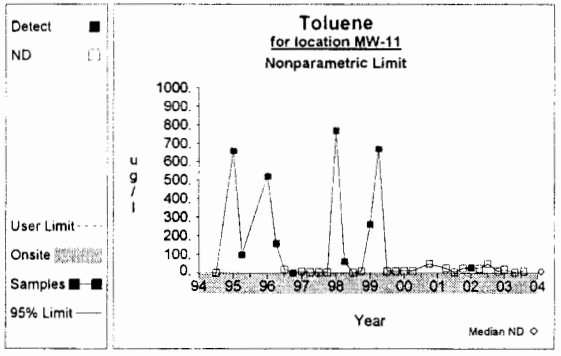

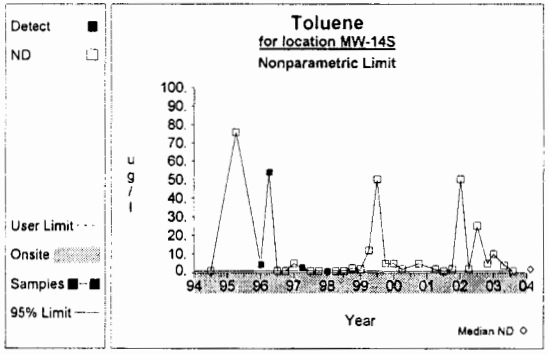

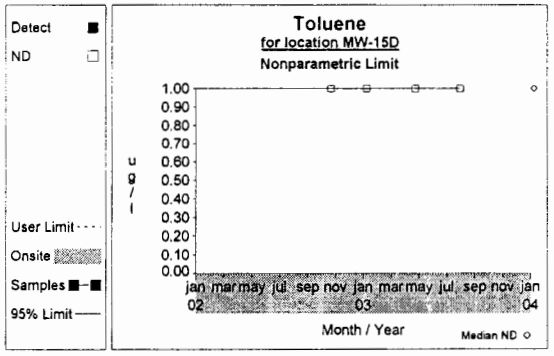

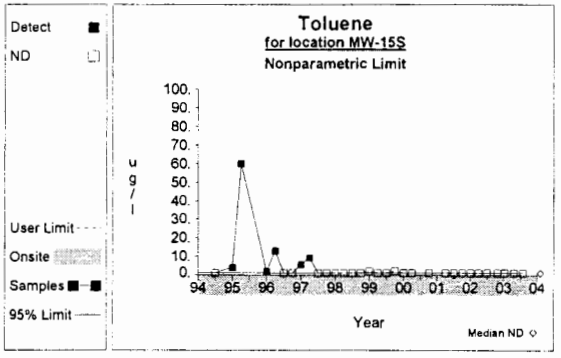

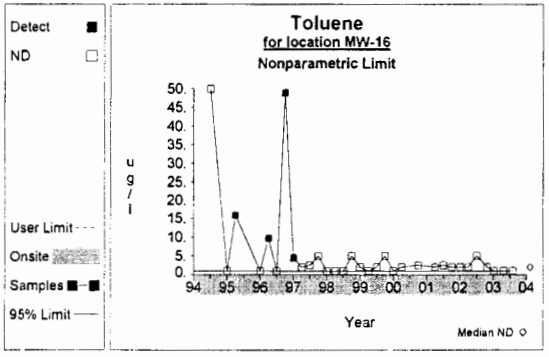

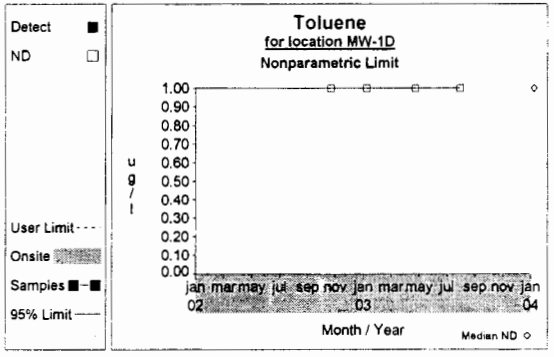

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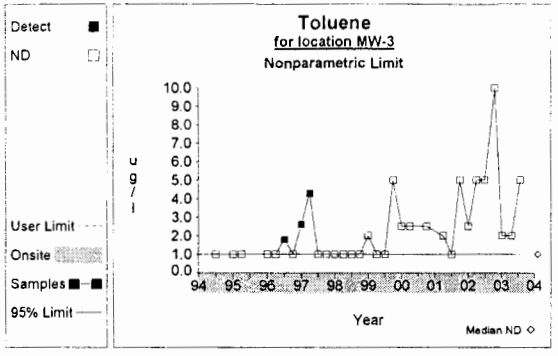

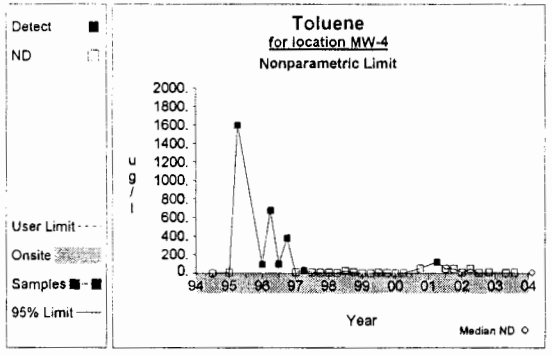

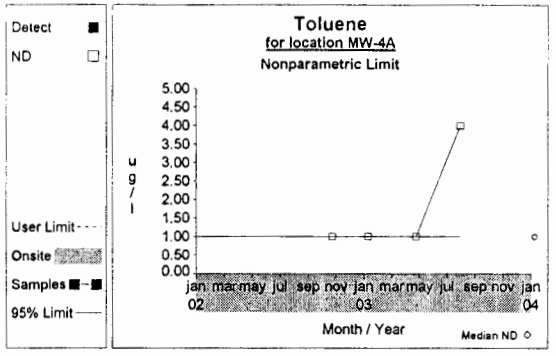

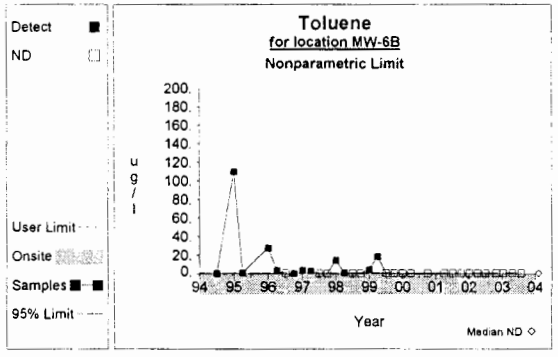

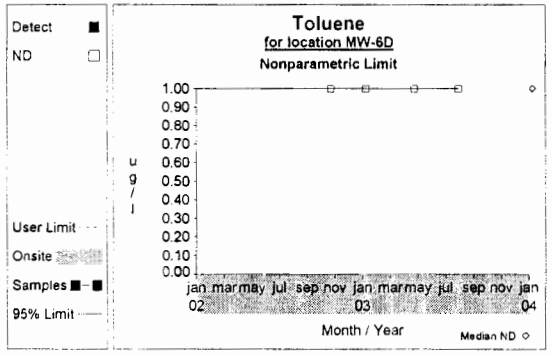

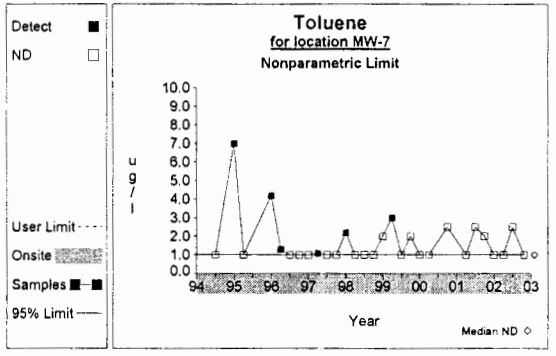

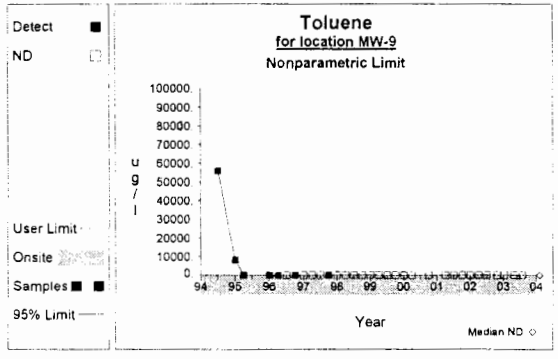

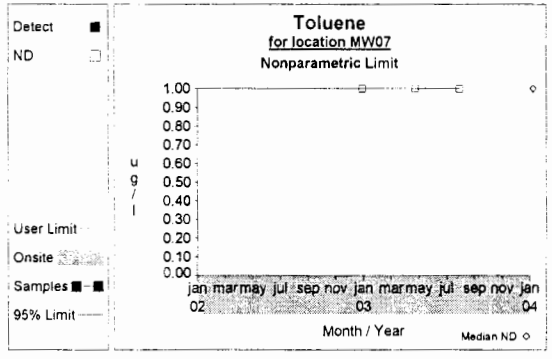

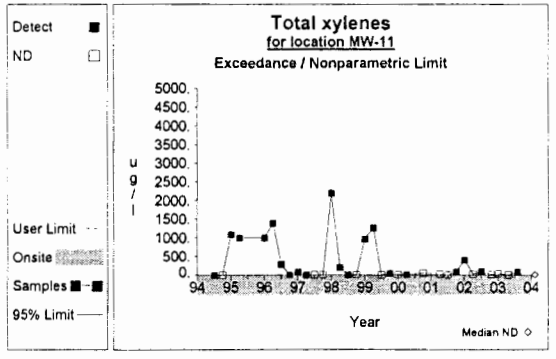

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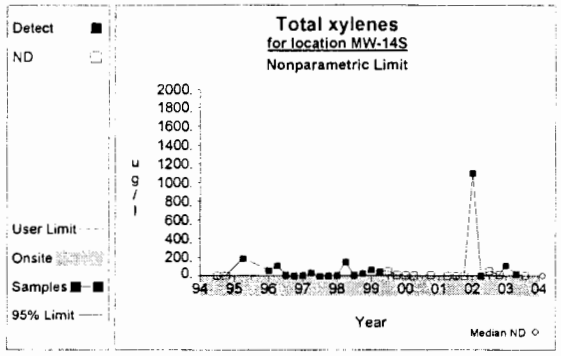

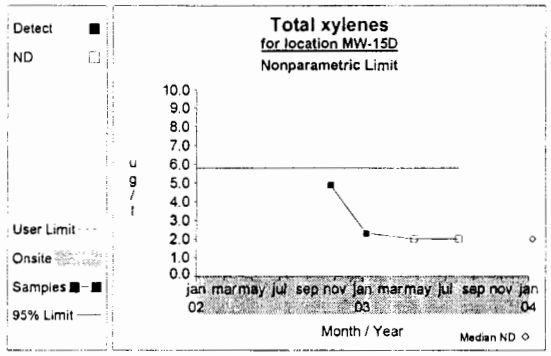

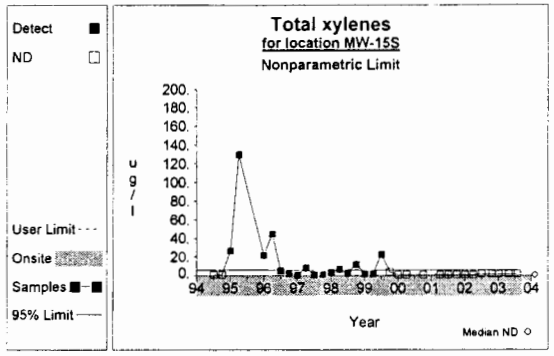

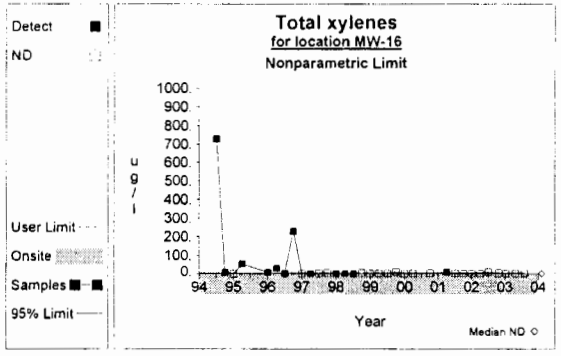

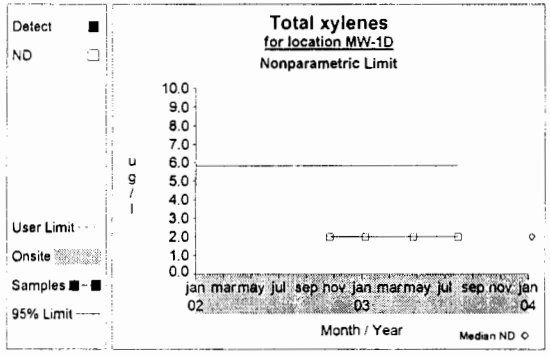

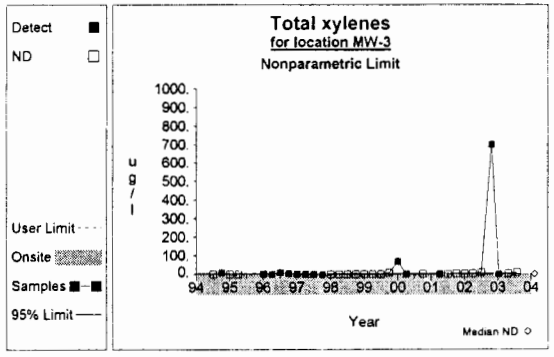

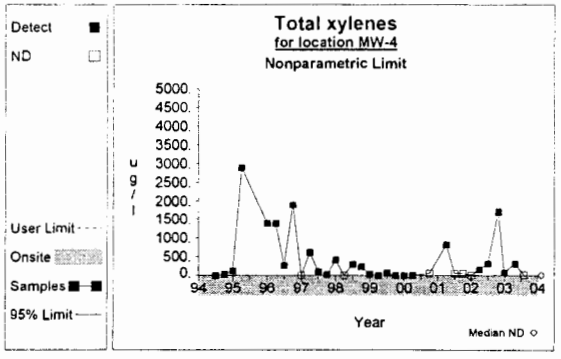

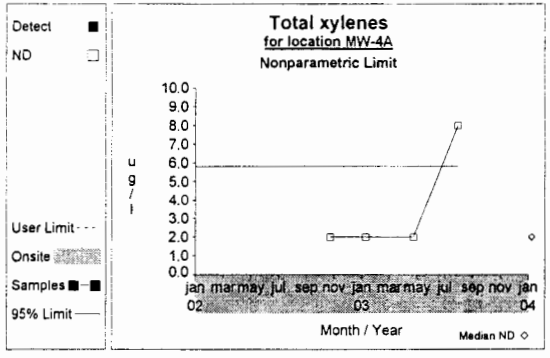

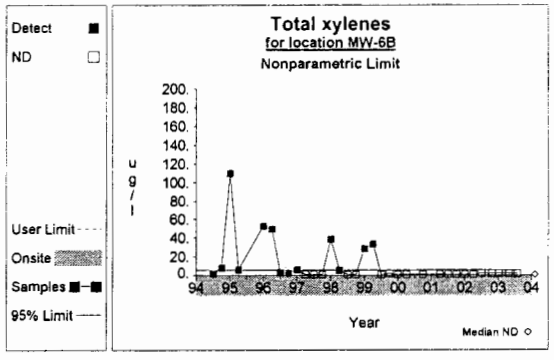

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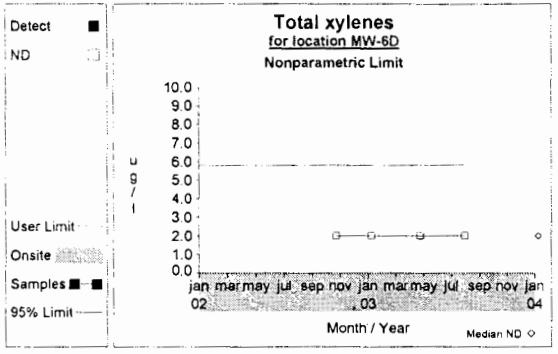

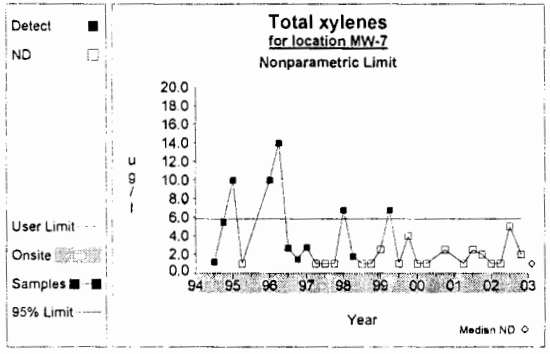

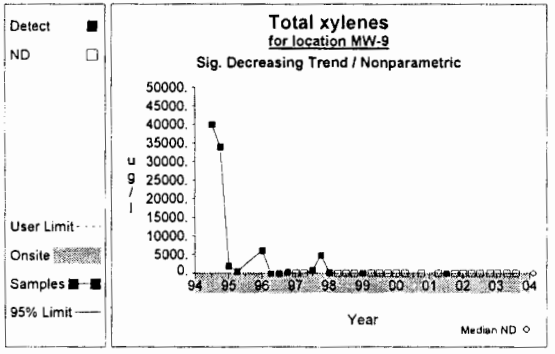

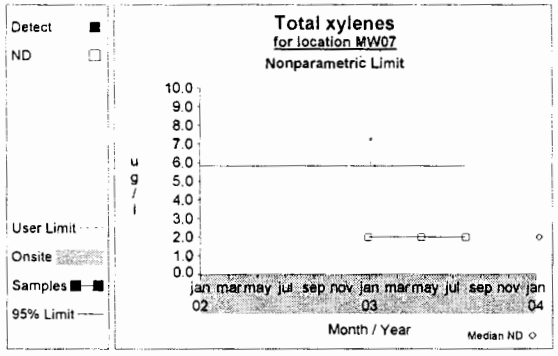

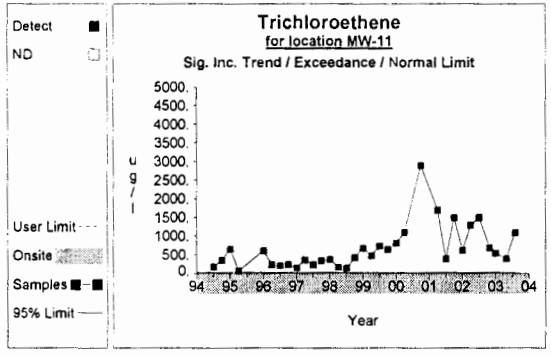

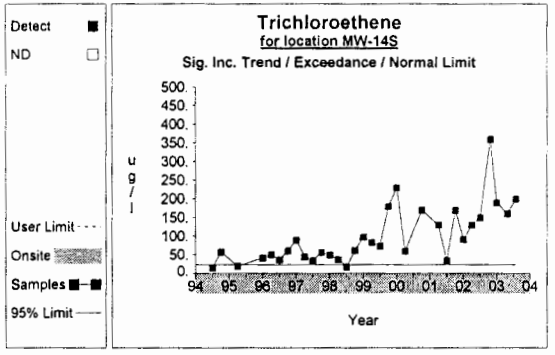

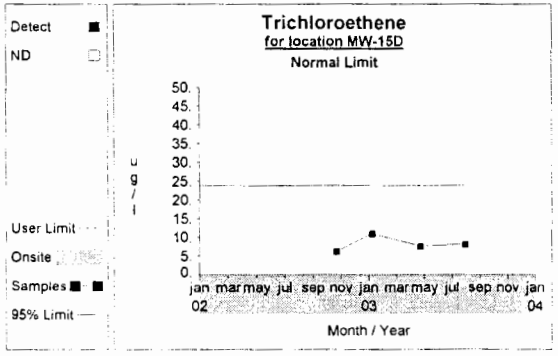

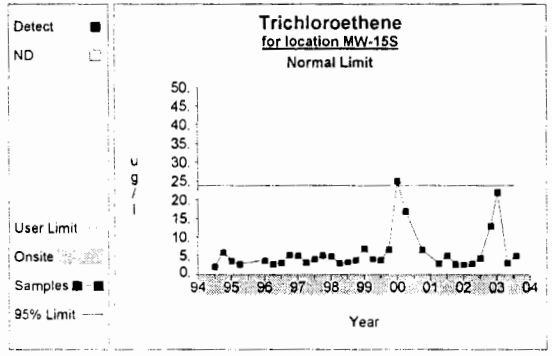

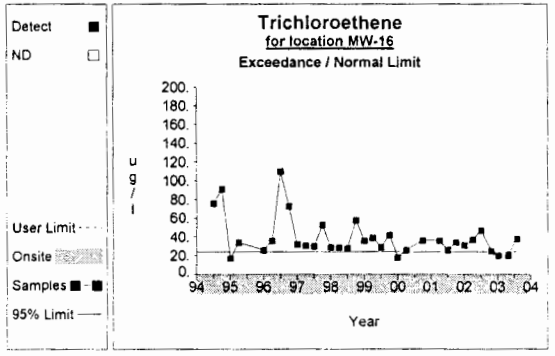

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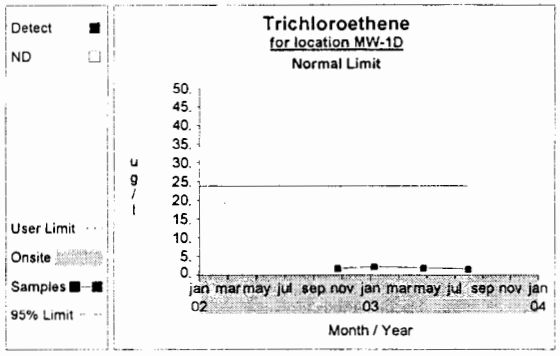
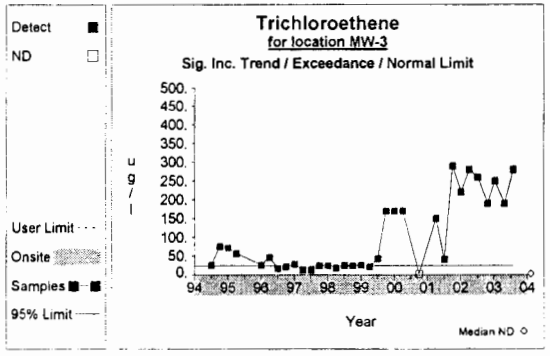
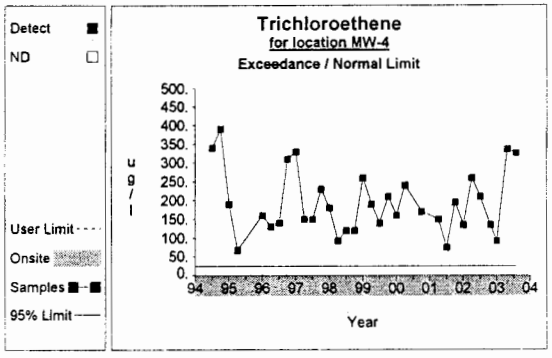
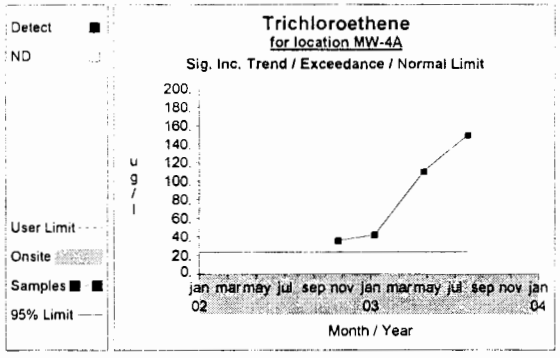
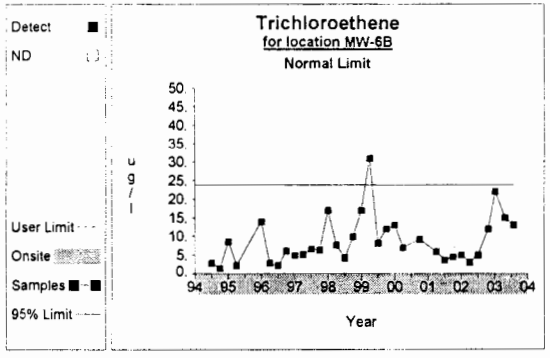
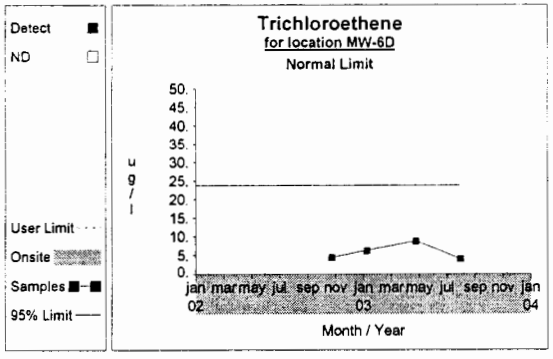


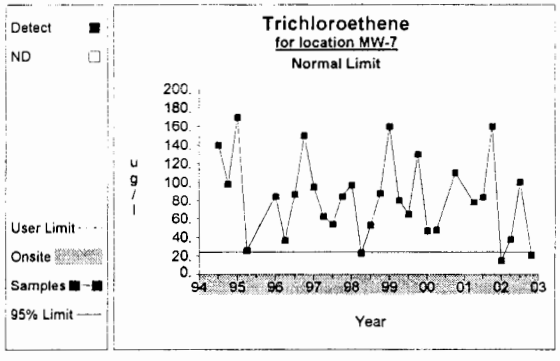


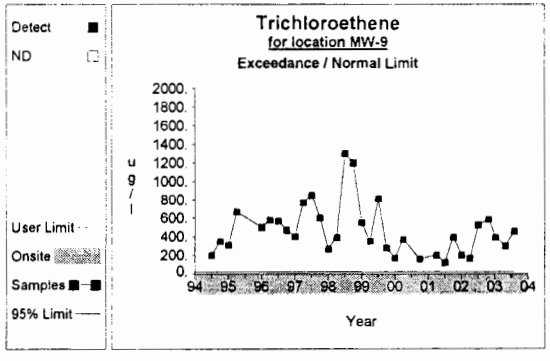


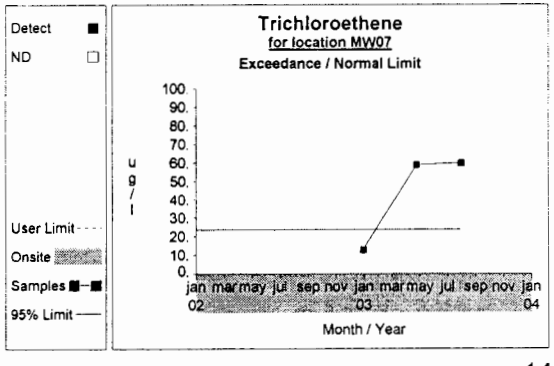












Appendix G
Annual Groundwater Monitoring Report for 2003

Appendix G
Annual Groundwater Monitoring Report for 2003

This annual report summarizes the groundwater monitoring which was conducted during 2003 at the Phibro-Tech, Inc. facility, based on sampling that occurred in January, April, July, and October of 2003. Also included in this report are graphs with concentrations versus time for key compounds of concern at the facility.

G.1 Groundwater Elevation, Gradient, and Flow Direction

During each of the three sampling rounds, depth to groundwater was measured at 15 shallow wells and 7 deep wells at the facility. Table 5-1 in each of the groundwater sampling reports from 2003 lists the depths to water and groundwater elevations for each well sampled.

During 2003, groundwater levels were lowest in October (shallow well elevations ranging from 95.80 to 98.60 feet above MSL, and deep well elevations ranging from 95.69 to 98.45 feet above MSL). The highest groundwater levels were recorded in April (shallow well elevations 104.95 to 107.34 feet above MSL, and deep well elevations 104.86 to 107.23 feet above MSL).

Groundwater gradients in the shallow wells during 2003 ranged from 0.35 foot per 100 feet (July) to 0.48 feet per 100 feet (January). In the deep wells, groundwater gradients ranged from 0.38 foot per 100 feet (July) to 0.48 foot per 100 feet (January). Direction of groundwater flow in both the shallow and deep wells during 2003 was consistently towards the southwest.

G.2 Groundwater Quality

Tables contained in Section 6 and Appendix B of the quarterly groundwater monitoring reports summarize current and historical concentrations of key contaminants of concern (total and hexavalent chromium, cadmium, copper, purgeable aromatic compounds, and trichloroethene), and groundwater elevations for each shallow groundwater monitoring well. Specific compounds of concern are discussed below with respect to groundwater monitoring in 2003.

Field Parameters at Time of Sampling

Field parameters recorded during purging included temperature, pH, specific conductance, and turbidity. Values for these parameters at the time of sampling are shown in Table G-1.

Trichloroethene

As in previous years, trichloroethene (TCE) was the primary purgeable halogenated organic compound detected in 2003. It was detected in all 14 monitoring wells sampled during all 2003 sampling events. The highest concentration of TCE detected in 2003 was 1,100 ug/L in shallow well MW-11 during the July sampling event. The highest concentration detected in the deep wells was 150 ug/L in MW-04A during the July sampling round. Historical TCE concentrations, including 2003 data, for each sampled shallow well are shown on the accompanying graphs.

Purgeable Aromatic Organic Compounds

Historical evidence indicates that benzene is not a contaminant of concern for the facility. During 2003, the highest detected benzene concentration was 17 ug/L in MW-04A during the October event.

The highest concentration of total BTEX compounds (benzene, toluene, ethylbenzene, and xylenes) detected in 2003 was 1,812.5 ug/L in MW-03 during the October sampling event. Ethylbenzene is the aromatic compound detected most frequently and at the greatest concentrations. Historical BTEX concentrations for each sampled shallow well are shown on the accompanying graphs.

Total Chromium

Chromium was detected in ten wells during 2002, three of which had detections above the maximum contaminant level (MCL) of 0.05 mg/L. Total chromium concentrations that exceeded the MCL were reported in wells MW-04 (January through October), MW-09 (January through October) and MW-14S (July to October). The concentrations of total chromium in MW-04 ranged from 9.2 to 21 mg/L. The total chromium concentration in MW-09 ranged from 0.27 to 13 mg/L. The total chromium concentration in well MW-14S was ranged from 0.014 to 0.33 mg/L. Historical total chromium concentrations for each of the sampled shallow wells are shown on the accompanying graphs. Total chromium concentrations in the deep wells were below 0.03 mg/L when detected.

Hexavalent Chromium

Hexavalent chromium was detected at a concentration above the reporting limit in ten wells during at least one sampling event of 2003. Highest concentrations occurred at well MW-04. During 2003, hexavalent chromium was detected in MW-04 at concentrations ranging from 11 mg/L in January to 29 mg/L in July. The second highest concentrations of hexavalent chromium was detected in well MW-09 from 0.25 mg/L in April to 13 mg/L in October. Historical hexavalent chromium concentrations for wells MW-04, MW-07, MW-09, and MW-14S are shown on the accompanying graphs. All other wells at the facility have had non-detections with only sporadic, low concentrations of hexavalent chromium detected historically.

Cadmium

The only well that consistently has detections of cadmium is MW-04. During 2003, cadmium concentrations in MW-04 ranged from 0.24 mg/L in October to 0.41 mg/L in July. Cadmium was also detected sporadically at wells MW-14S and MW-15S, at concentrations below 0.007 mg/L. Historical cadmium concentrations for MW-04, MW-09, MW-14S, and MW-15S are shown on the accompanying graphs. Generally, all other wells at the facility have historically had only non-detections of cadmium.

Copper

Copper was detected in ten wells in 2003 with concentrations ranging from 0.01 mg/L (several wells) to 0.052 mg/L in MW-14S (July). All copper detections were below the secondary MCL of 1.3 mg/L.

Appendix IX Parameters

Except for those discussed above, the only detected Appendix IX analytes were 6010B/7470A (arsenic, barium, mercury, nickel, selenium, thallium, and zinc) and EPA 8270C (acetophenone). These detected parameters are summarized in Table G-2. Appendix IX constituents were detected at relatively low concentrations (i.e., barium 0.44 mg/L) and indicate that they are not constituents of concern for the Site.

In addition, many of the EPA 8290 (dioxins and furans) parameters were detected in one or more of the samples, the results of which are summarized in Table G-3. These results were used to estimate total dioxin/furan content using EPA toxicity equivalence factors (TEFs). TEFs relate the toxicity of various dioxin/furan congeners to that of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD), the most potent species. Each individual dioxin and furan congener concentration is multiplied by the TEF; the sum of equivalent congener concentrations of dioxins is summarized as a total polychlorinated dibenzo-p-dioxin (PCDD) TEF, which can be compared to a regulatory standard such as the EPA drinking water standard. TEFs ranged from 4.5 (MW-04 duplicate) to 8.7 pg/L (picograms per liter, or parts per quadrillion) at MW-11. These TEFs were lower than the drinking water MCL of 30 pg/L.

Other Detected Parameters

During the 2003 sampling, other halogenated organics were detected at generally low concentrations in one or more of the on-site wells (Table 6-1). Halogenated organics detected other than TCE included 1,1-dichloroethane (1,1-DCA), 1,2-DCA, 1,2-dichlorobenzene, bromodichloromethane, chlorobenzene, chlorodibromomethane, chloroethane, chloromethane, dichlorodifluoromethane, tetrachloroethene (PCE), 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), carbon tetrachloride, trans-1,2-dichloroethene, 1,1,1-trichloroethane (1,1,1-TCA), chloroform, methylene chloride, and vinyl chloride. Time/concentration plots are included in this appendix for these constituents, as well as for constituents of concern.

Table G-1
Phibro-Tech, Inc.
Field Parameters at Time of Sampling

Sampling Event	Well Number	Temperature (F)	pH	Conductivity (umhos/cm)	Turbidity (NTUs)
January 2003	MW-01D	69.4	7.30	1694	4
	MW-01S	71.2	6.83	3870	12
	MW-03	70.4	6.86	2085	10
	MW-04	72.1	6.79	1021	10
	MW-04A	67.7	7.20	1570	1
	MW-06B	69.1	6.99	1619	30
	MW-06D	68.9	7.19	1691	2
	MW-07	70.0	7.53	2548	8
	MW-09	69.6	6.72	2708	5
	MW-11	69.6	7.04	1630	5
	MW-14S	68.5	6.78	3527	7
	MW-15D	67.5	7.15	1481	1
	MW-15S	69.7	6.99	1625	9
	MW-16	70.0	6.98	2384	8
April 2003	MW-01D	69.9	7.20	1638	2
	MW-01S	70.7	6.70	6916	52
	MW-03	70.5	7.00	2151	2
	MW-04	69.7	6.50	6850	18
	MW-04A	69.4	7.2	1548	0
	MW-06B	71.5	7.00	1541	32
	MW-06D	68.4	7.00	1644	1
	MW-07	73.5	7.00	2063	76
	MW-09	69.6	6.90	1653	3
	MW-11	70.0	7.10	1419	4
	MW-14S	71.9	7.10	1807	6
	MW-15D	67.7	7.20	1390	2
	MW-15S	68.2	6.80	1280	18
	MW-16	73.8	6.90	2034	1
July 2003	MW-01D	75.7	6.94	1712	6
	MW-01S	84.5	6.26	7311	71
	MW-03	73.8	6.72	2477	10
	MW-04	75.3	6.58	1004	26
	MW-04A	72.8	7.36	1569	4
	MW-06B	74.3	7.21	1879	12
	MW-06D	70.9	7.25	1690	7
	MW-07	76.4	7.07	2709	24
	MW-09	71.0	6.92	2063	7
	MW-11	72.9	7.09	1941	12
	MW-14S	77.9	7.02	3374	13
	MW-15D	68.9	7.19	1485	3
	MW-15S	71.8	7.14	1331	11
	MW-16	72.6	6.77	2847	6
October 2003	MW-01D	71.4	7.19	1638	3
	MW-01S	79.4	6.89	5034	89
	MW-03	76.5	7.19	2710	3
	MW-04	72.5	6.73	7279	17
	MW-04A	69.7	7.34	1566	1
	MW-06B	72.7	7.09	1954	1
	MW-06D	70.8	7.11	1670	3
	MW-07	70.9	7.06	1809	2
	MW-09	72.0	6.88	2631	2
	MW-11	72.8	7.17	1938	3
	MW-14S	71.9	6.69	6050	1
	MW-15D	70.2	7.60	1520	15
	MW-15S	71.5	7.04	1370	8
	MW-16	74.5	6.86	2760	8

Table G-2
Phibro-Tech, Inc.
Groundwater Analytical Results - October 2003
Appendix IX Summary of Detections

Well Number	Sample Type	Acetophenone EPA 8270 (ug/L)	Arsenic EPA 6010B (mg/L)	Barium EPA 6010B (mg/L)	Mercury EPA 7470A (mg/L)	Nickel EPA 6010B (mg/L)	Selenium EPA 6010B (mg/L)	Thallium EPA 6010B (mg/L)	Zinc EPA 6010B (mg/L)
MW-04		0.13	0.015	0.44	0.0014	0.02 RL-1,U	0.01 RL-1,U	0.01 RL-1,U	0.046
	K	0.12	0.01 RL-3,U	0.26	0.00095	0.02 RL-3,U	0.01 RL-3,U	0.023	0.04 RL-3,U
MW-07		0.0099 U	0.005 U	0.11	0.0002 U	0.01 U	0.0085	0.005 U	0.02 U
MW-11		0.029	0.005 U	0.22	0.0002 U	0.01 U	0.005 U	0.005 U	0.13
MW-14S		0.0096 U	0.005 U	0.3	0.0002 U	0.016	0.005 U	0.005 U	0.098

Notes:

Of all of the Appendix IX parameters, only those with detections or value flags are shown.
All EPA 8260B analytical results are shown in Table 6-2.
All samples collected October 23, 2003

U = Not detected at a concentration greater than the reporting limit shown
RL-1 = Reporting Limit elevated due to sample matrix effects.
RL-3 = Reporting Limit elevated due to interference from other analytes.

Sample Type:
K = Split sample

Table G-3
Phibro-Tech, Inc.
Groundwater Analytical Results - October 2003
Dioxins and Furans Analytical Summary

Well Number	Sample Type	Total TCDD	Total PeCDD	Total HxCDD	Total HpCDD	Total TCDF	Total PeCDF	Total HxCDF	Total HpCDF	OCDD	OCDF	Total EPA TEFs
MW-04		2.4	3.5 U	2.3 U	3.6 U	2	1.9 U	1.5 U	2.3 U	6.7 U	5.2 U	7
	K	1.5	2 U	5.6	5.4	1.2	1.2 U	1.2 U	1.7 U	57.4 J	3.7 U	4.5
MW-07		2	2.9 U	2.6 J	40.3	1.5	1.4 U	1.3 U	5.3 J	267	15.4 J	6.2
MW-11		2.9	4.7 U	2.9 U	5 U	2.2	2.3 U	2 U	2.9 U	16.9 J	7.3 U	8.7
MW-14S		2.3	3.3 U	2.5 U	3.6 U	1.7	1.8 U	1.5 U	2.4 U	33.4 J	5.7 U	6.7

Notes:

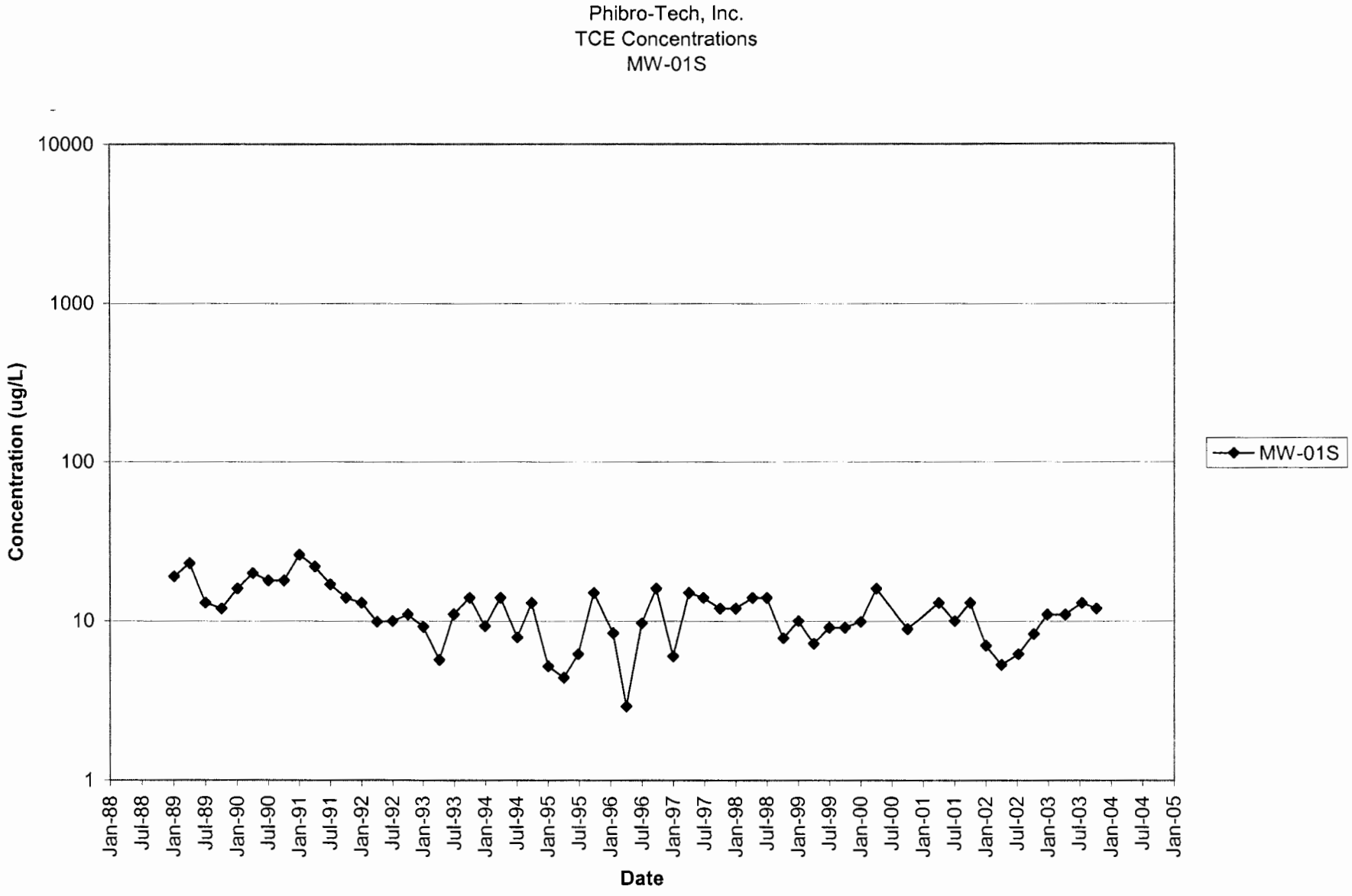
Samples analyzed by EPA Method 8290.
All concentrations are reported in picograms per liter (parts per quadrillion) with the exception of ToxicityEquivalents, which are unitless.

TCDD = Tetrachlorodibenzo-p-dioxins; PeCDD = Pentachlorodibenzo-p-dioxins; HxCDD = Hexachlorodibenzo-p-dioxins; TCDF = Tetrachlorodibenzofurans;
PeCDF = Pentachlorodibenzofurans; HxCDF = Hexachlorodibenzofurans; HpCDF = Heptachlorodibenzofurans;
OCDD = 1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin; OCDF = 1,2,3,4,6,7,8,9-octachlorodibenzofuran
TEF = Toxicity Equivalence Factor

EPA MCL for 2,3,7,8-TCDD (Dioxin) is 30 pg/L.

Data Flags:
J = Indicates detected concentration is below analytical calibration curve, and is below the official reporting limit. Concentration reported is an estimate only.
U = Not detected at a concentration greater than the reporting limit shown.

Sample Type:
K = Split sample


Phibro-Tech, Inc.
TCE Concentrations
MW-01S
Concentration (ug/L)
10000
1000
100
10
1
Jan-88
Jul-88
Jan-89
Jul-89
Jan-90
Jul-90
Jan-91
Jul-91
Jan-92
Jul-92
Jan-93
Jul-93
Jan-94
Jul-94
Jan-95
Jul-95
Jan-96
Jul-96
Jan-97
Jul-97
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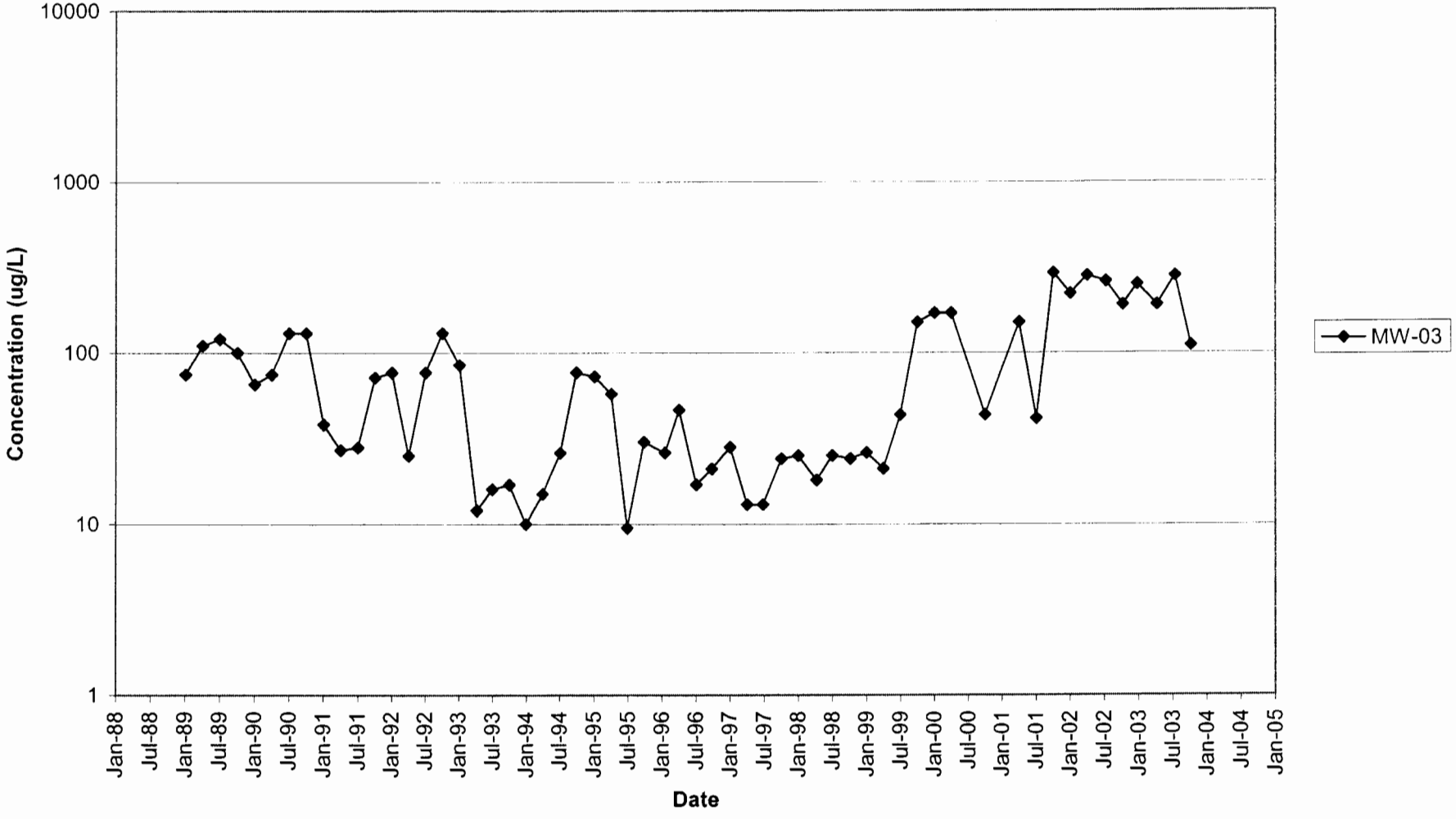
Jul-98
Jan-99
Jul-99
Jan-00
Jul-00
Jan-01
Jul-01
Jan-02
Jul-02
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05
Date
MW-01S

Phibro-Tech, Inc.
TCE Concentrations
MW-03



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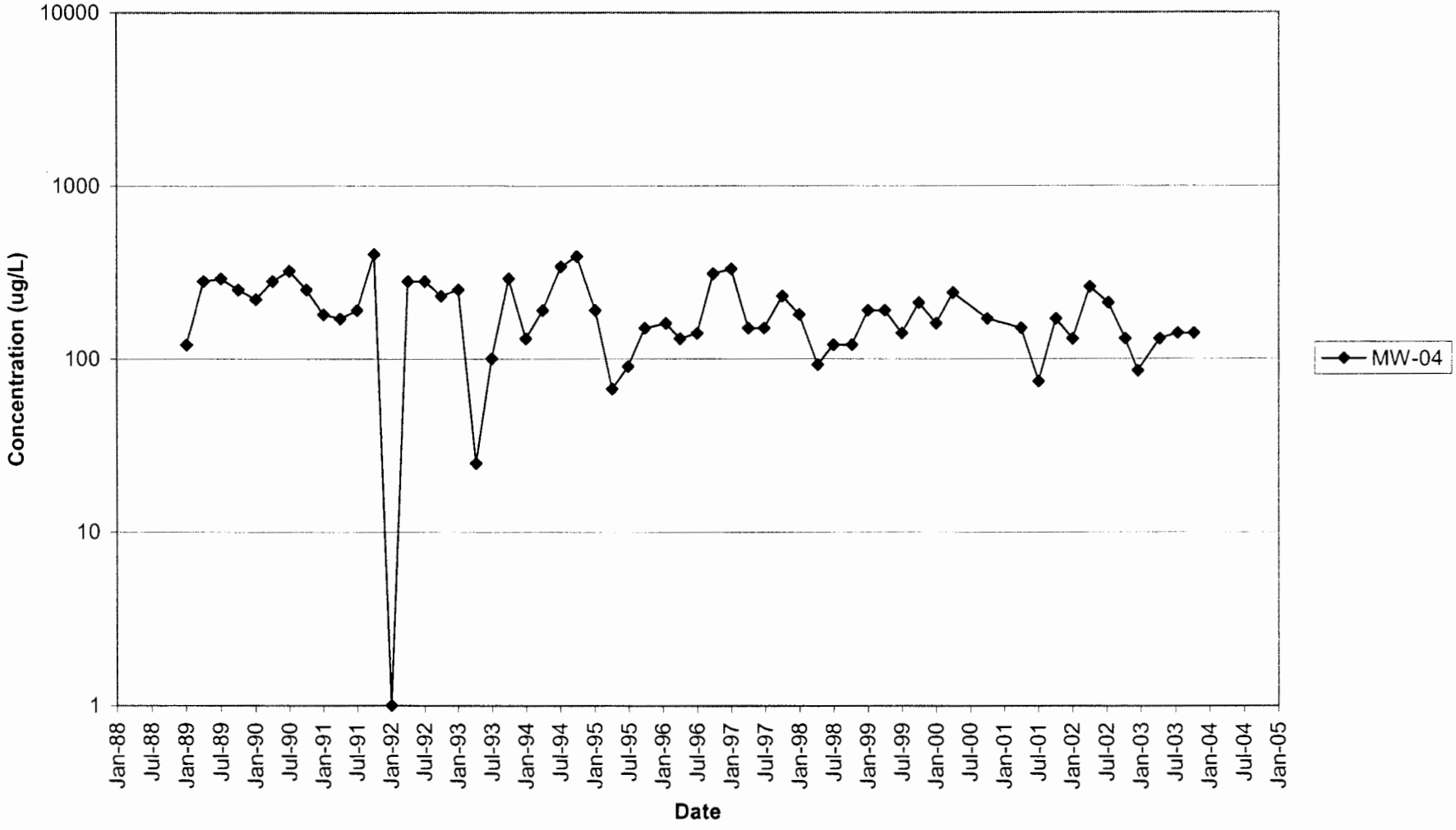
TCE Concentrations
MW-04



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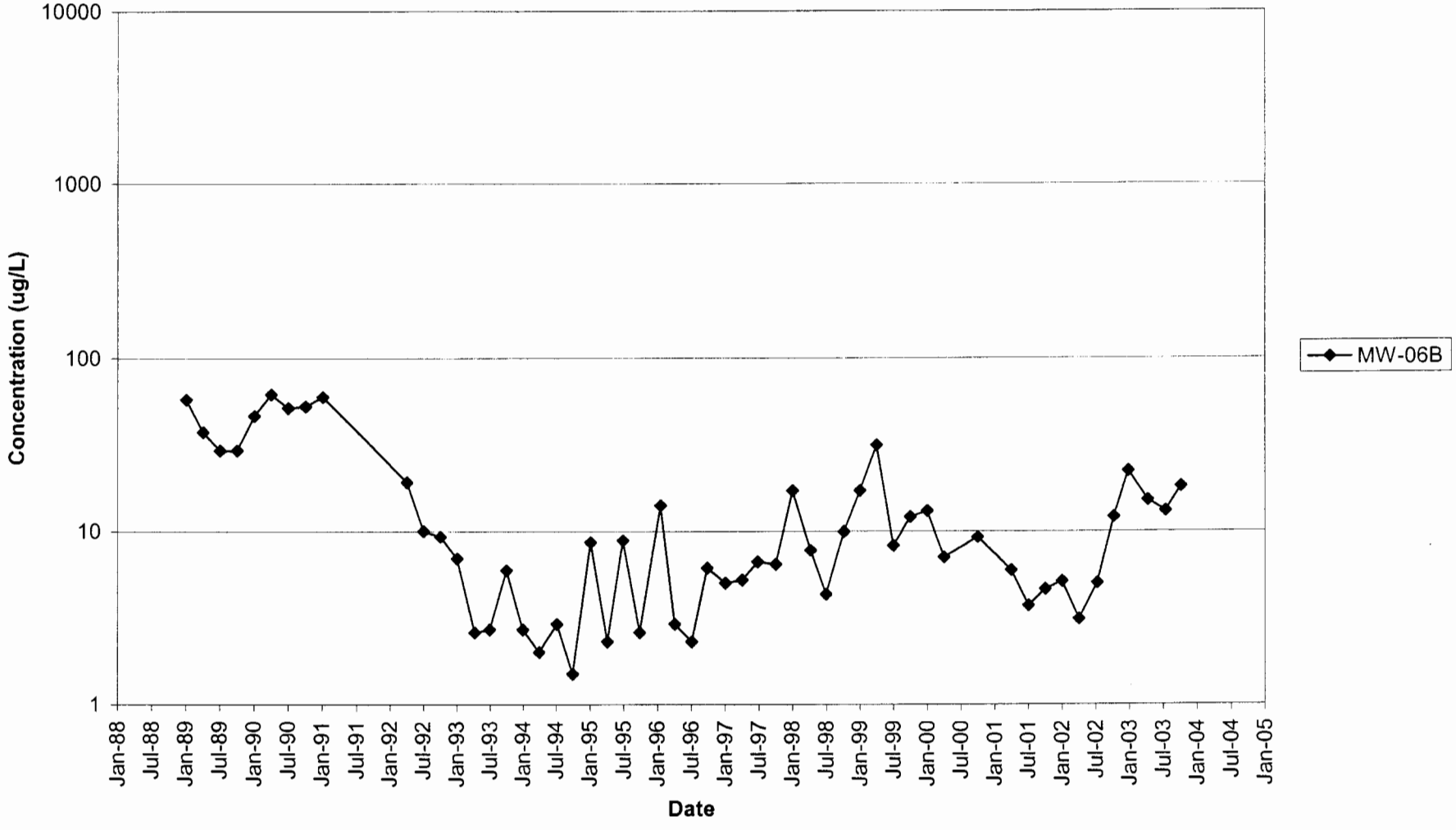
TCE Concentrations
MW-06B



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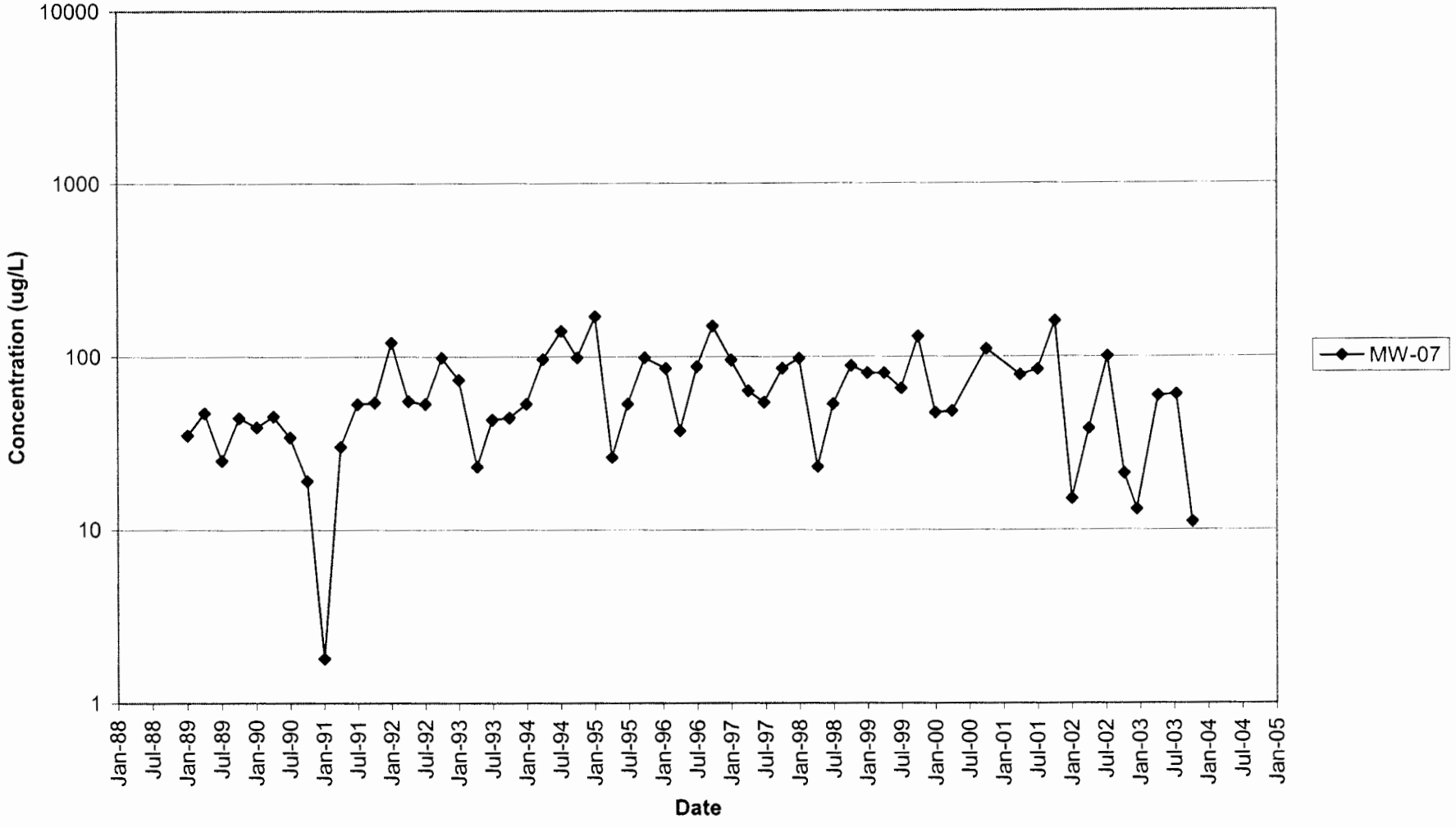
MW-07



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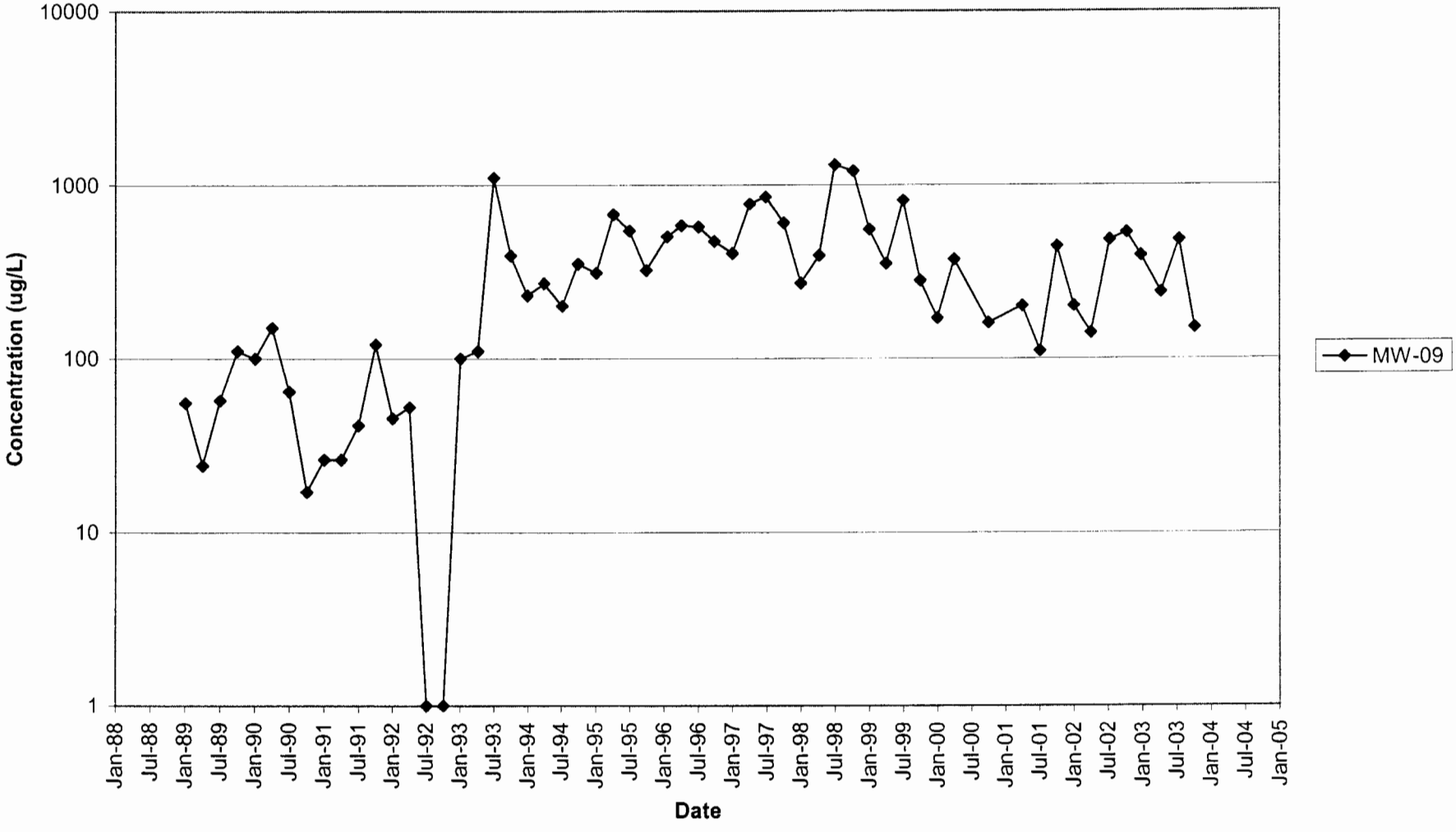
TCE Concentrations
MW-09



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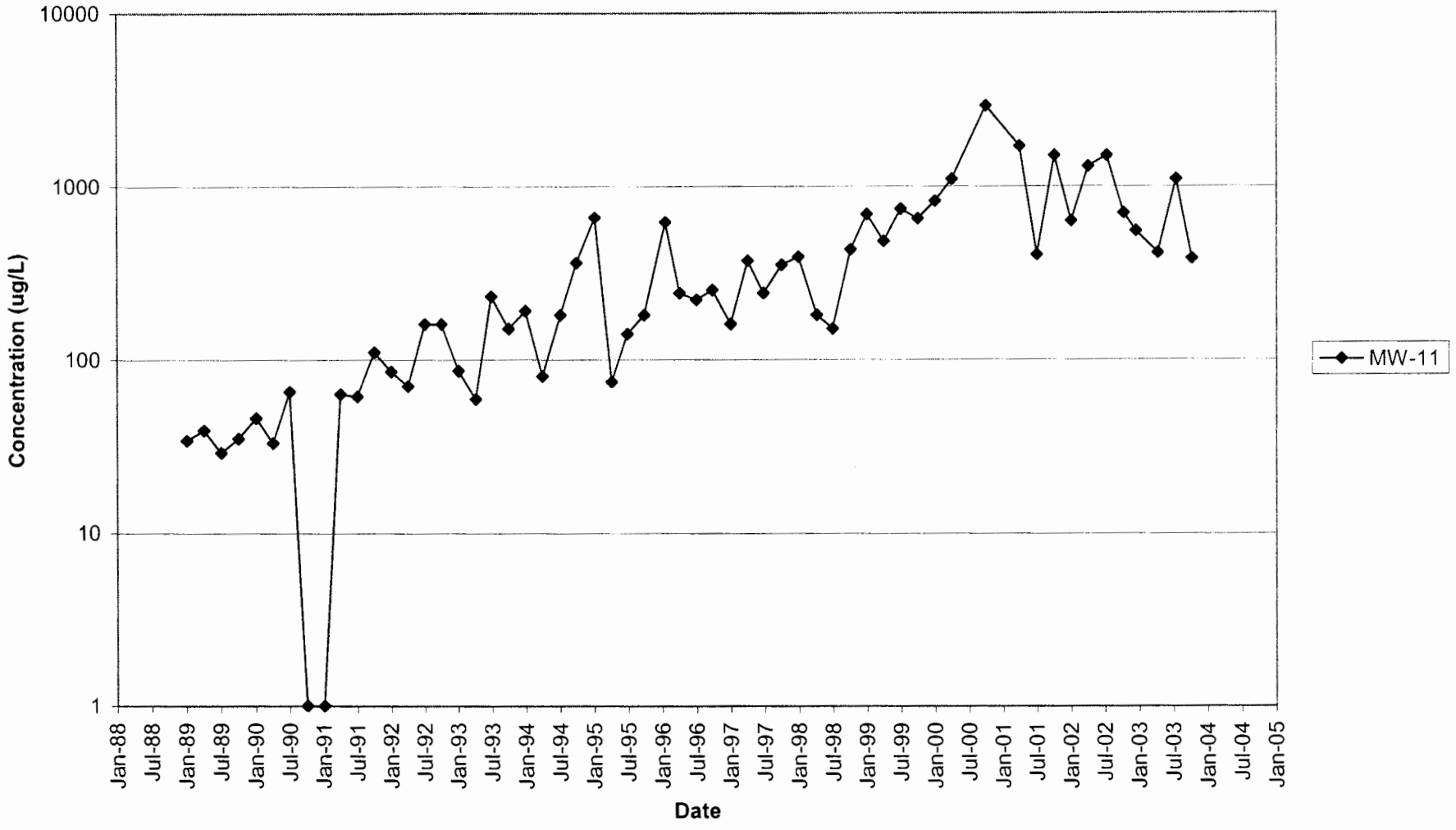
MW-11



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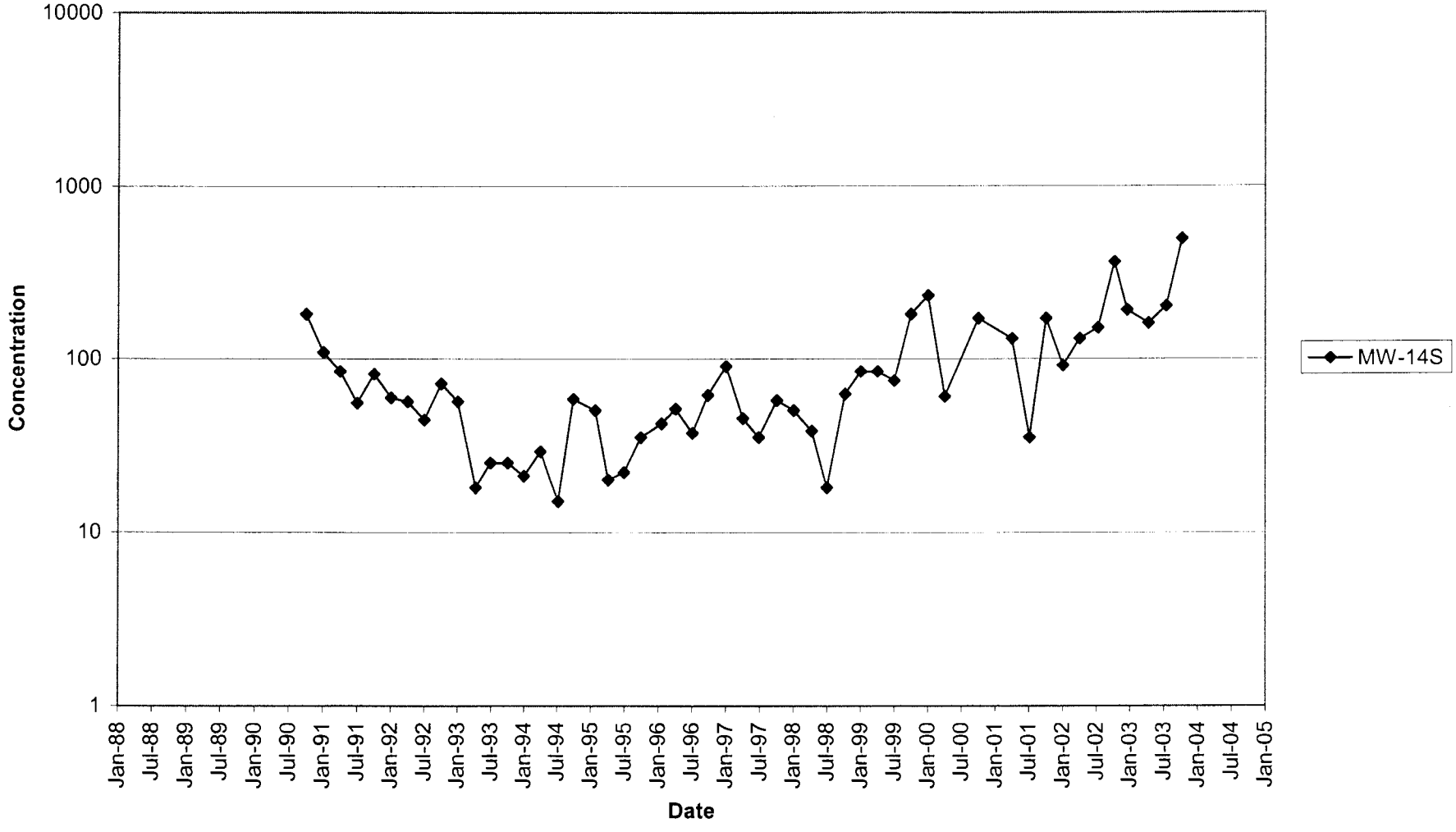
MW-14S



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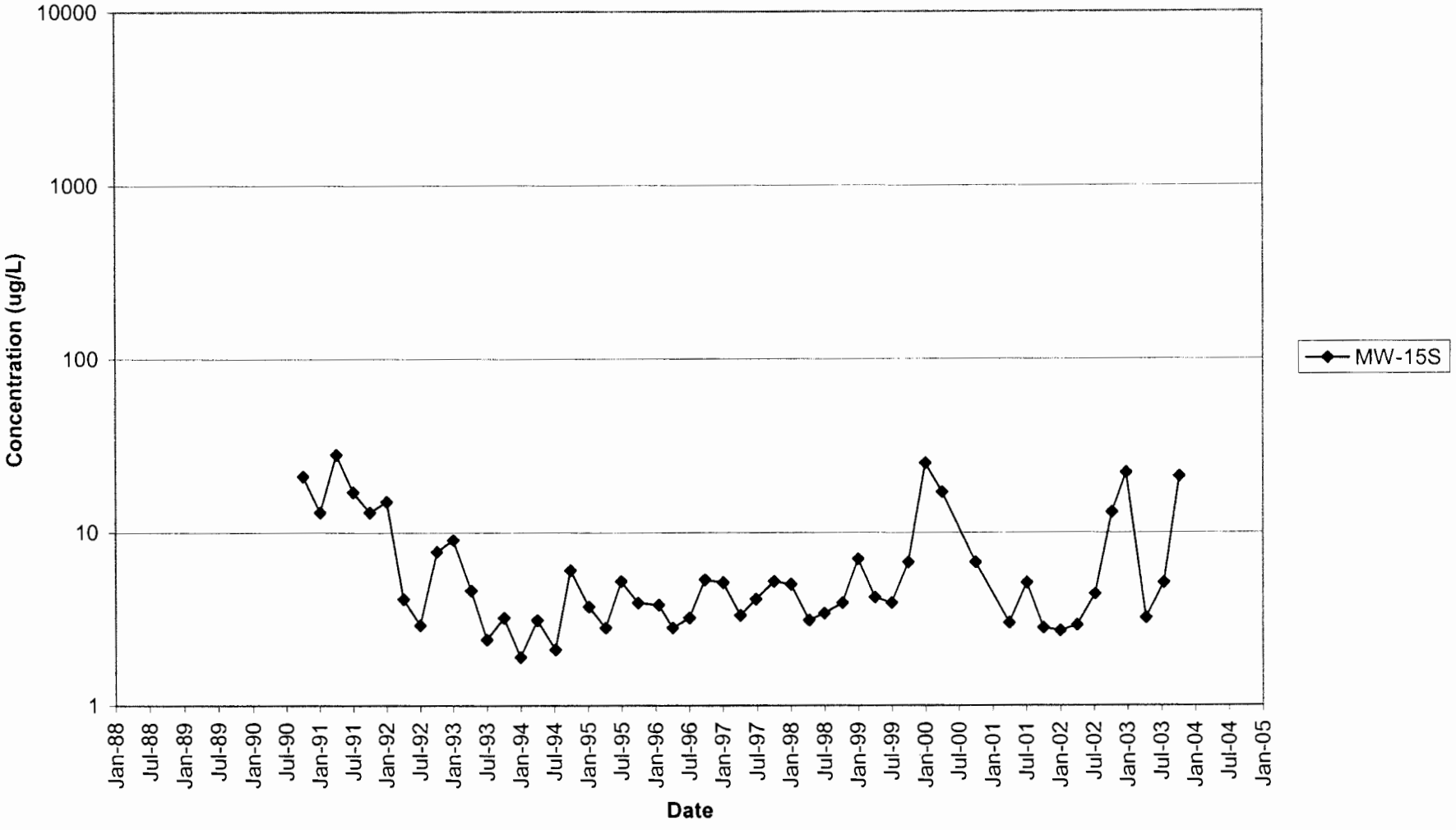

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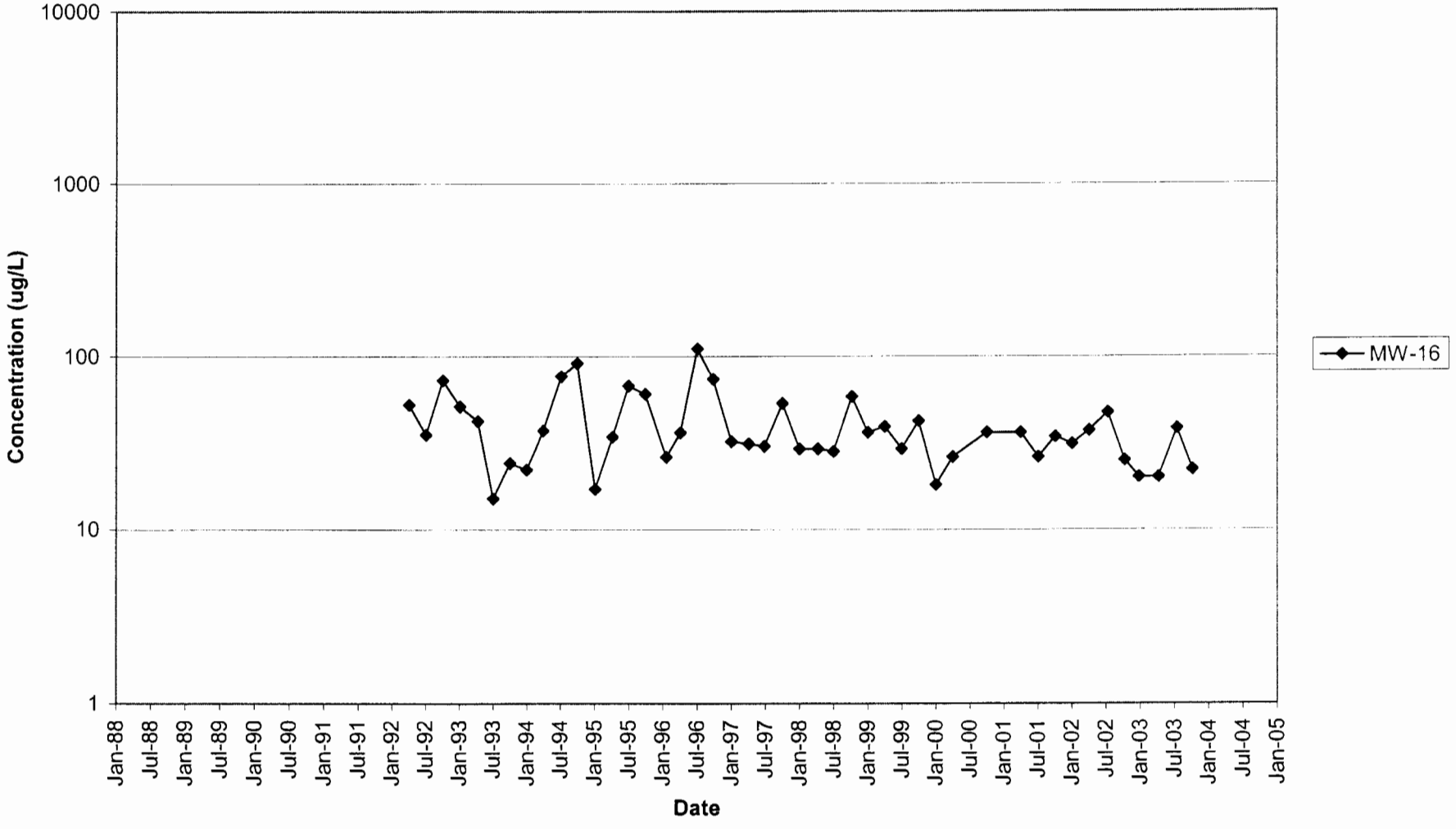
TCE Concentrations
MW-16



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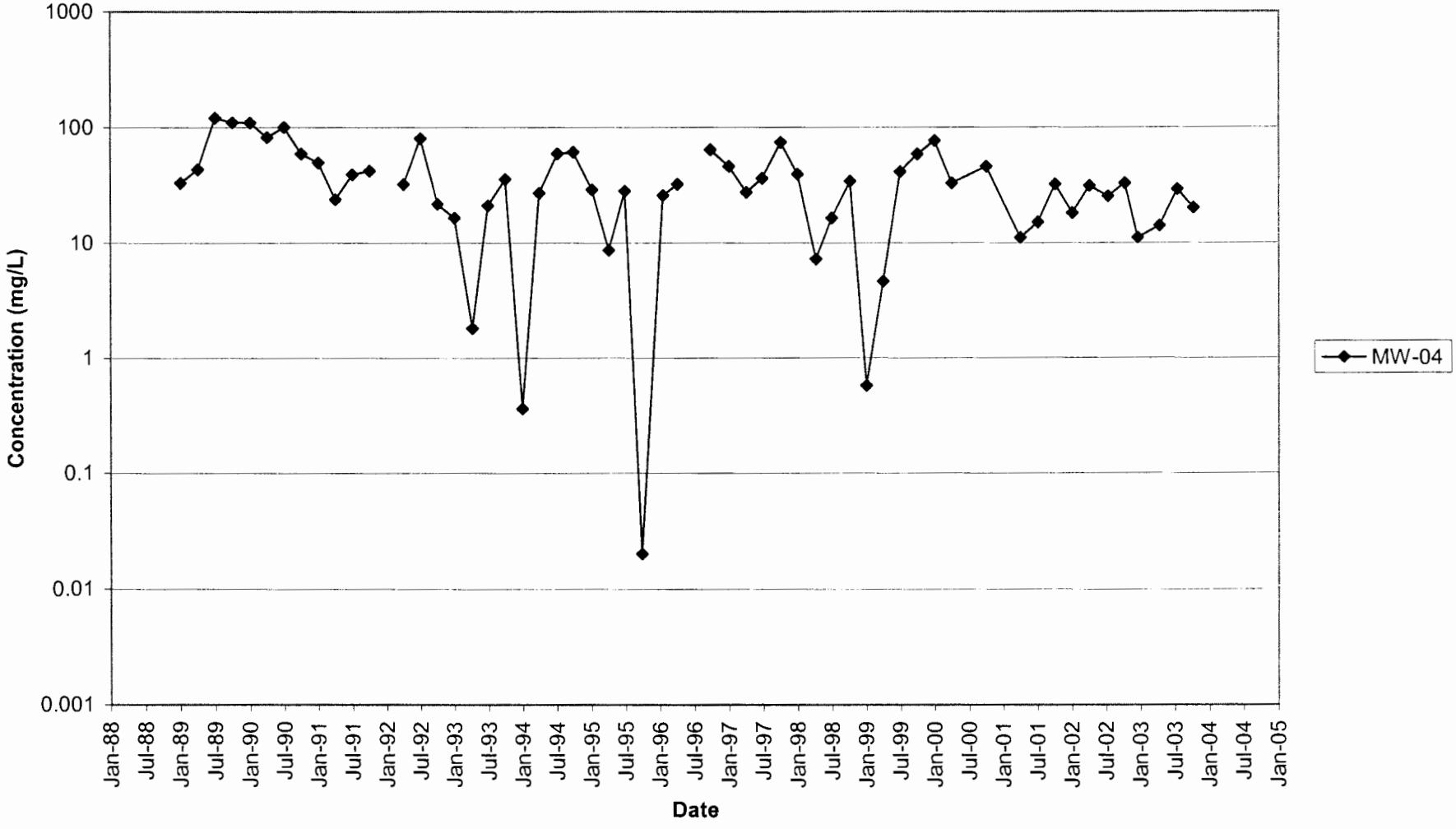
Hexavalent Chromium Concentrations
MW-04



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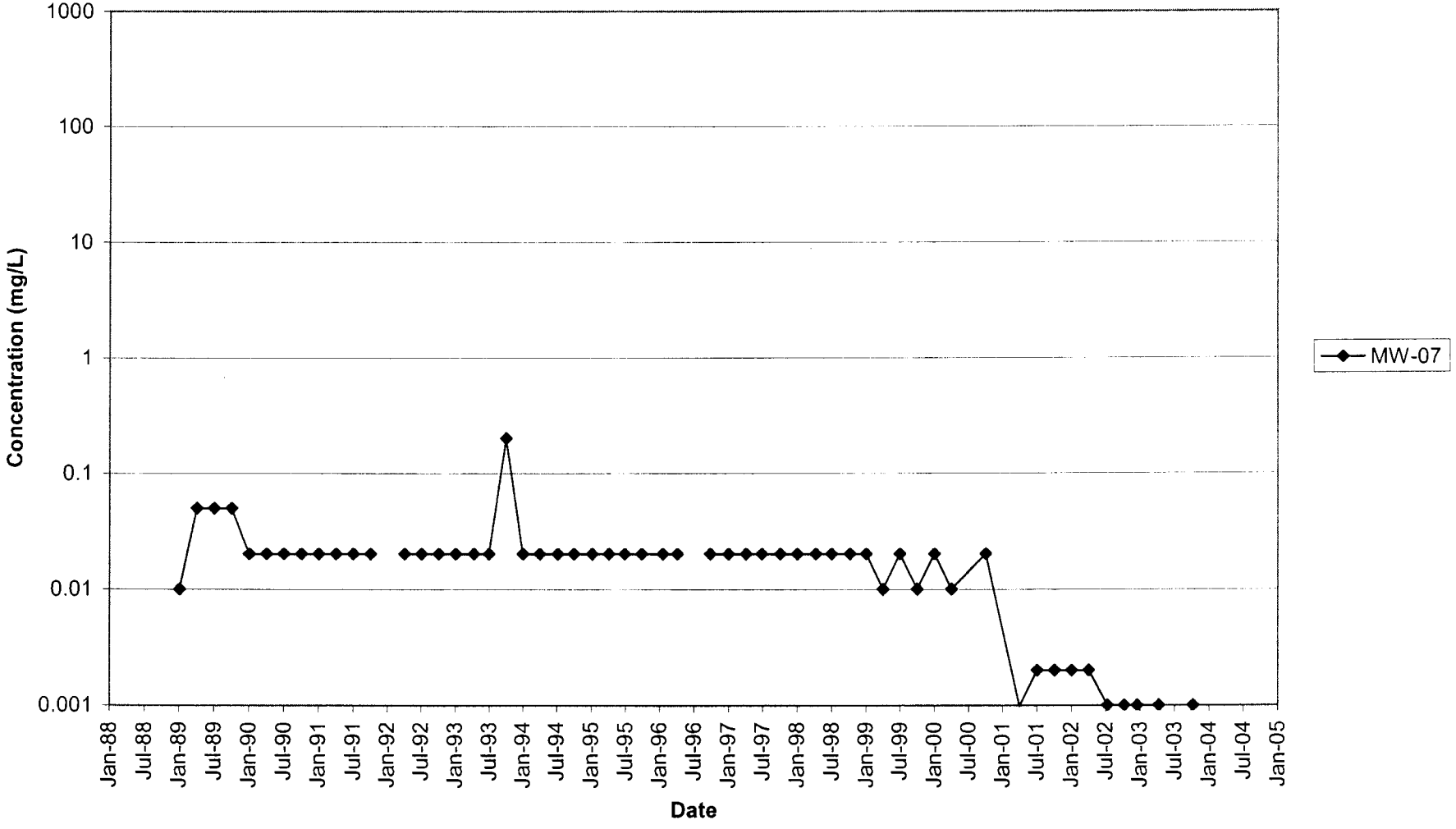
Hexavalent Chromium Concentrations
MW-07



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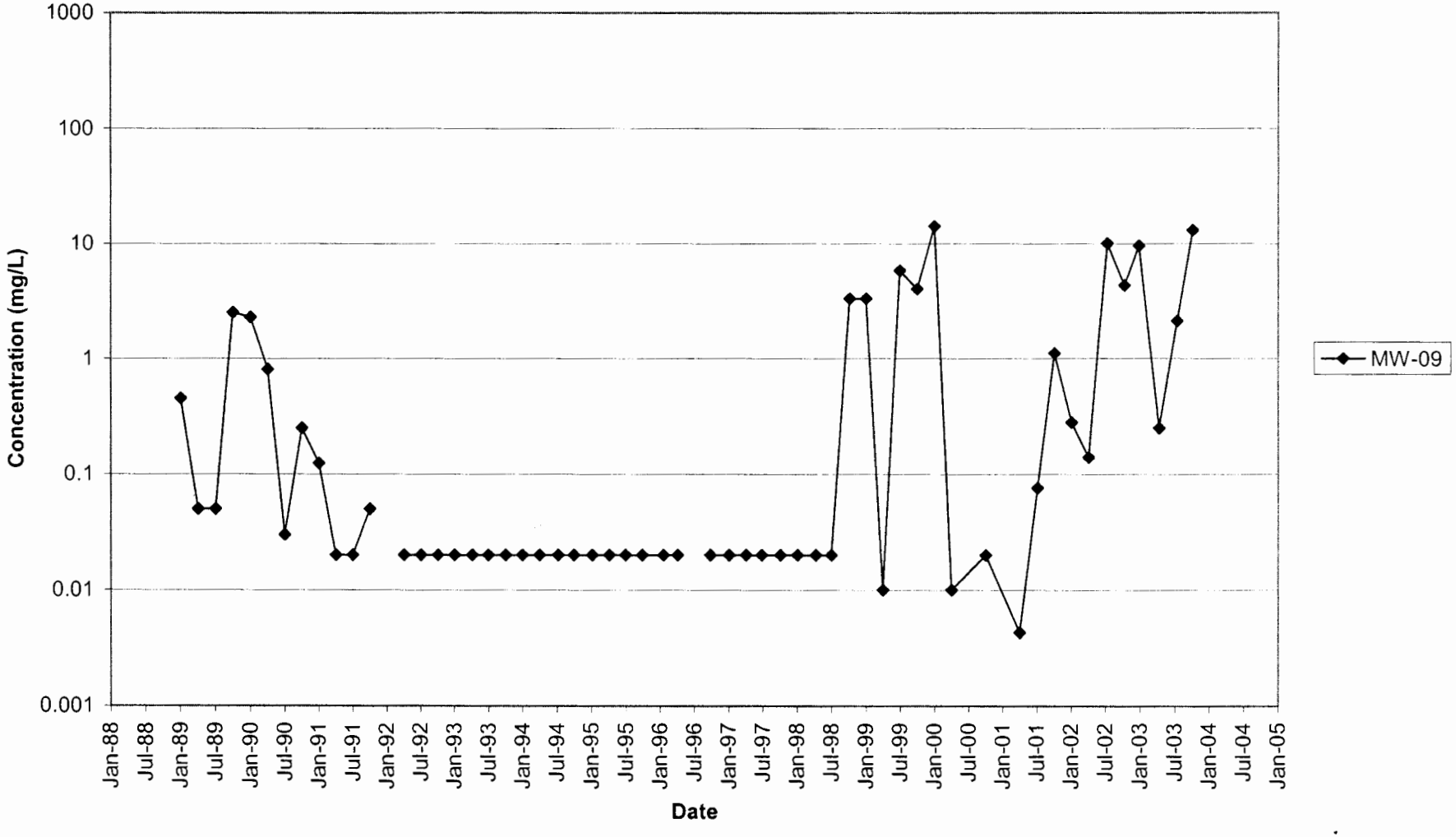
Hexavalent Chromium Concentrations
MW-09



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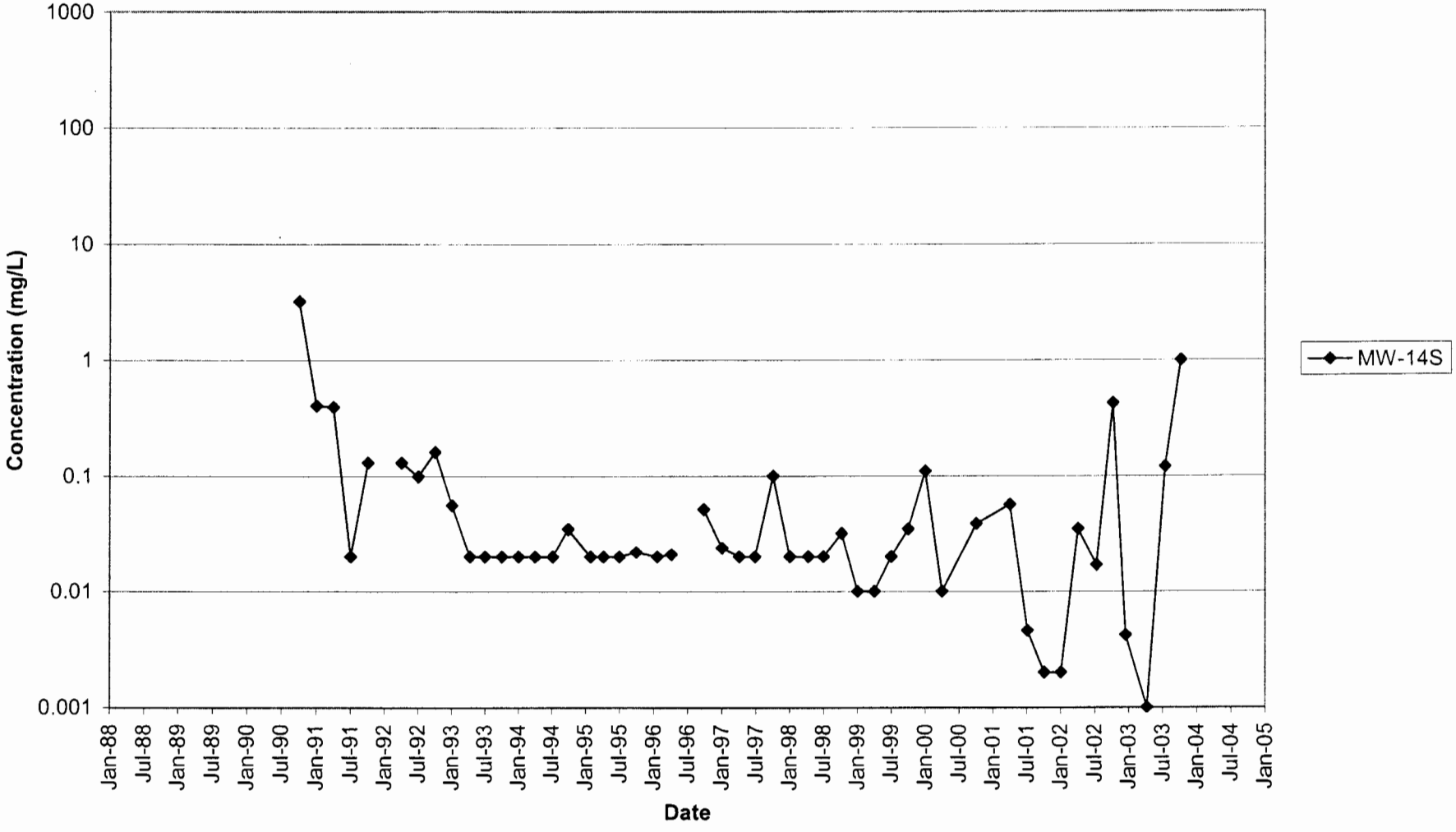
Hexavalent Chromium Concentrations
MW-14S



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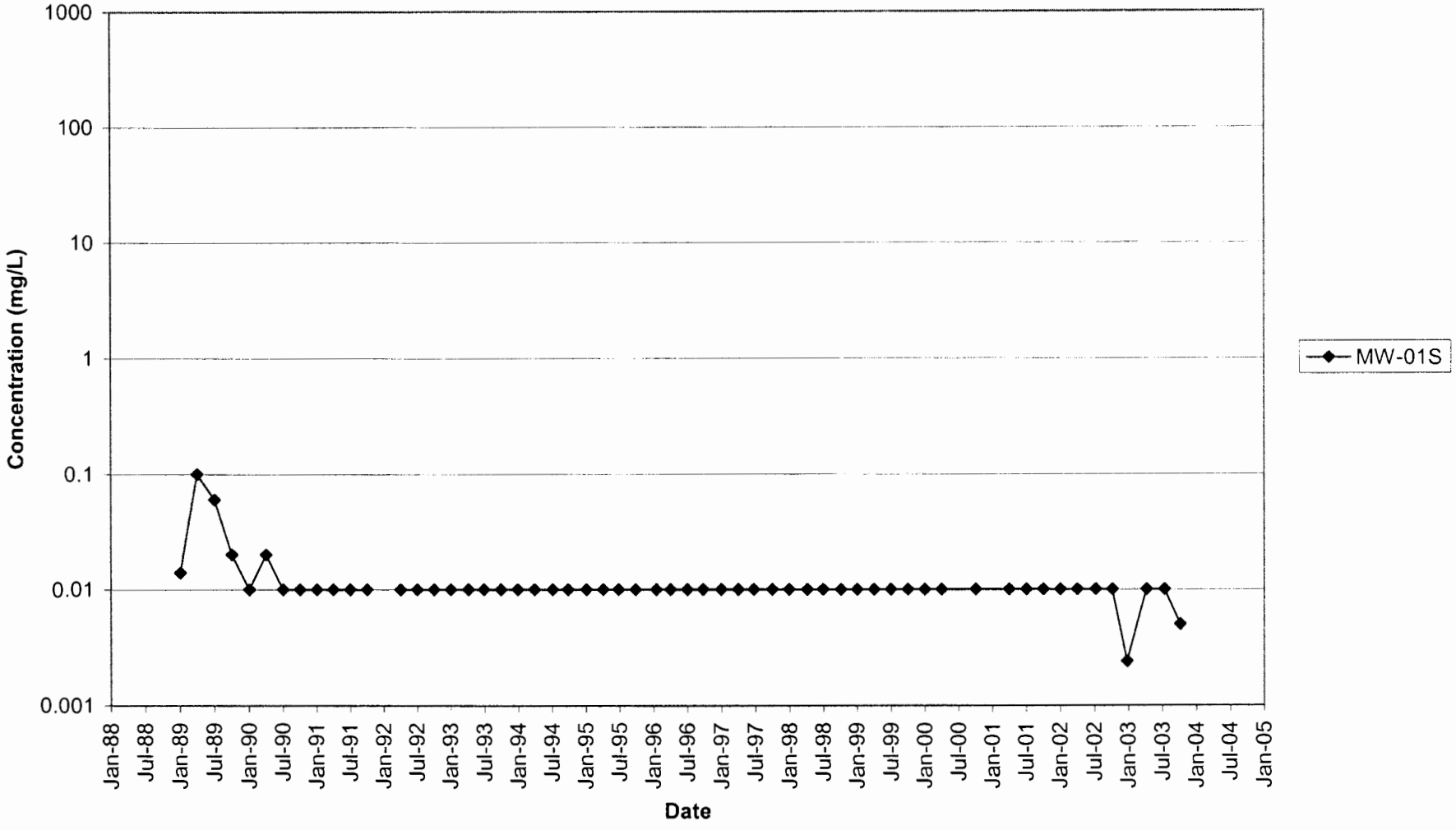
Total Chromium Concentrations
MW-01S



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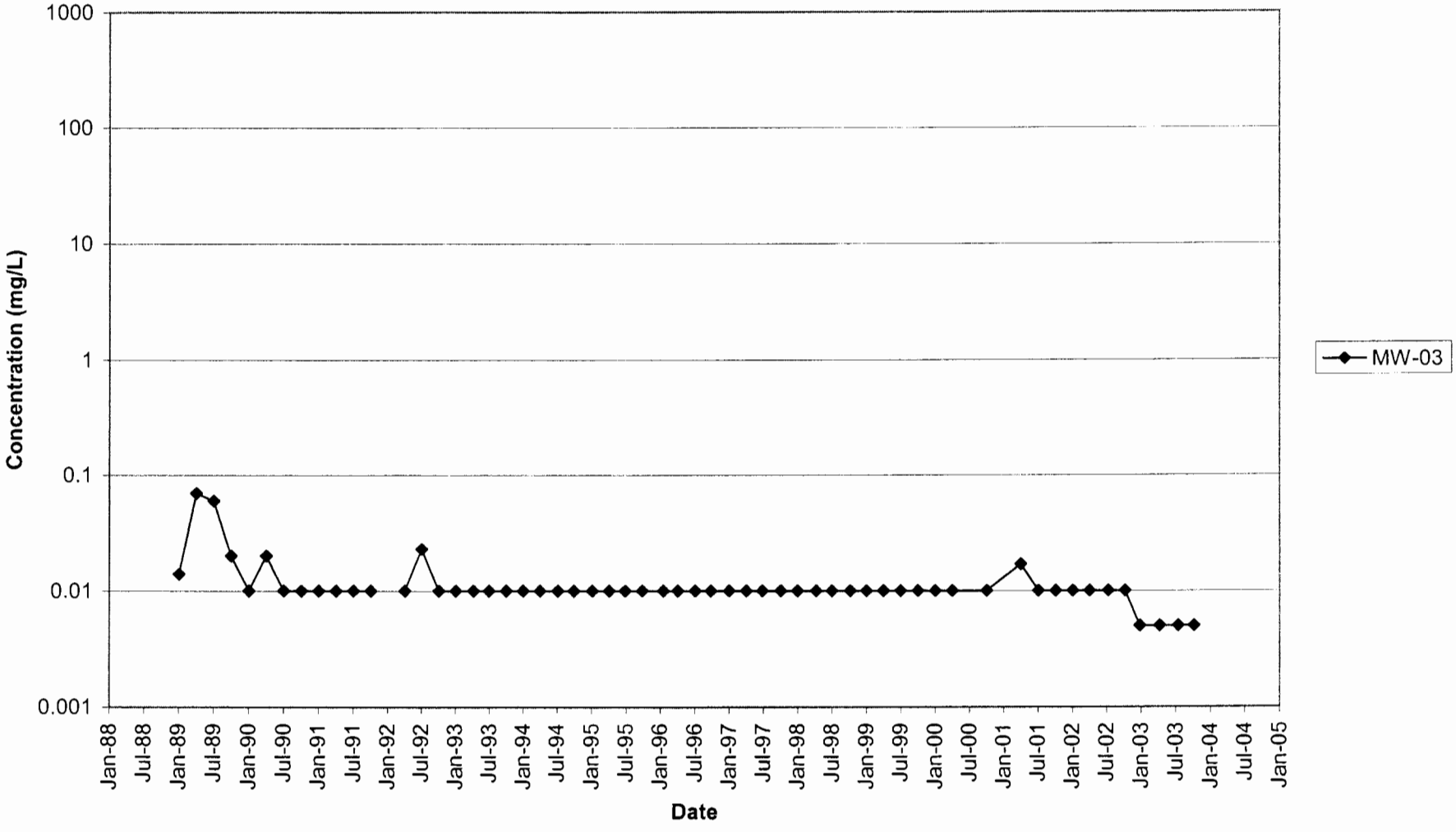

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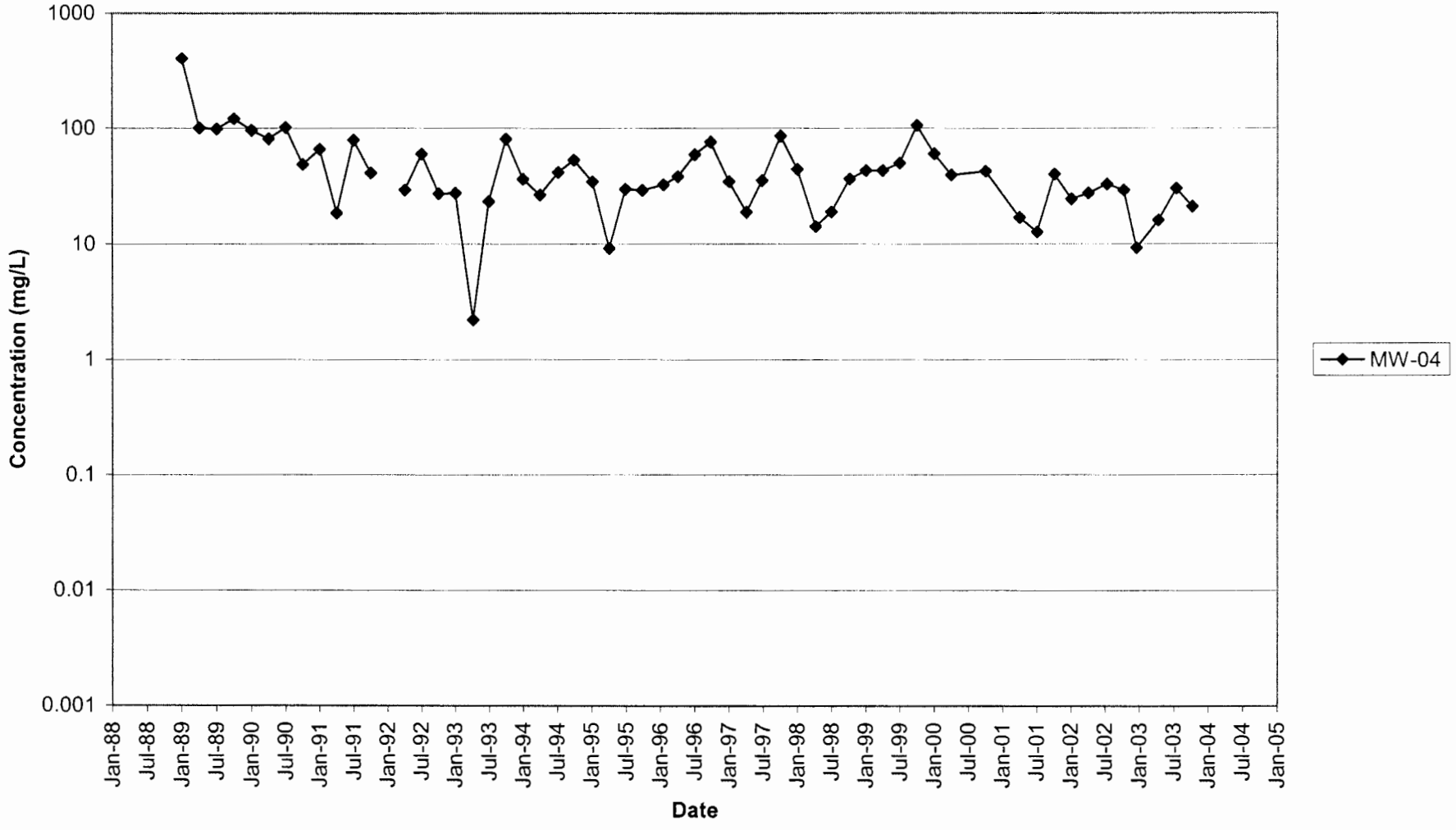

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Total Chromium Concentrations
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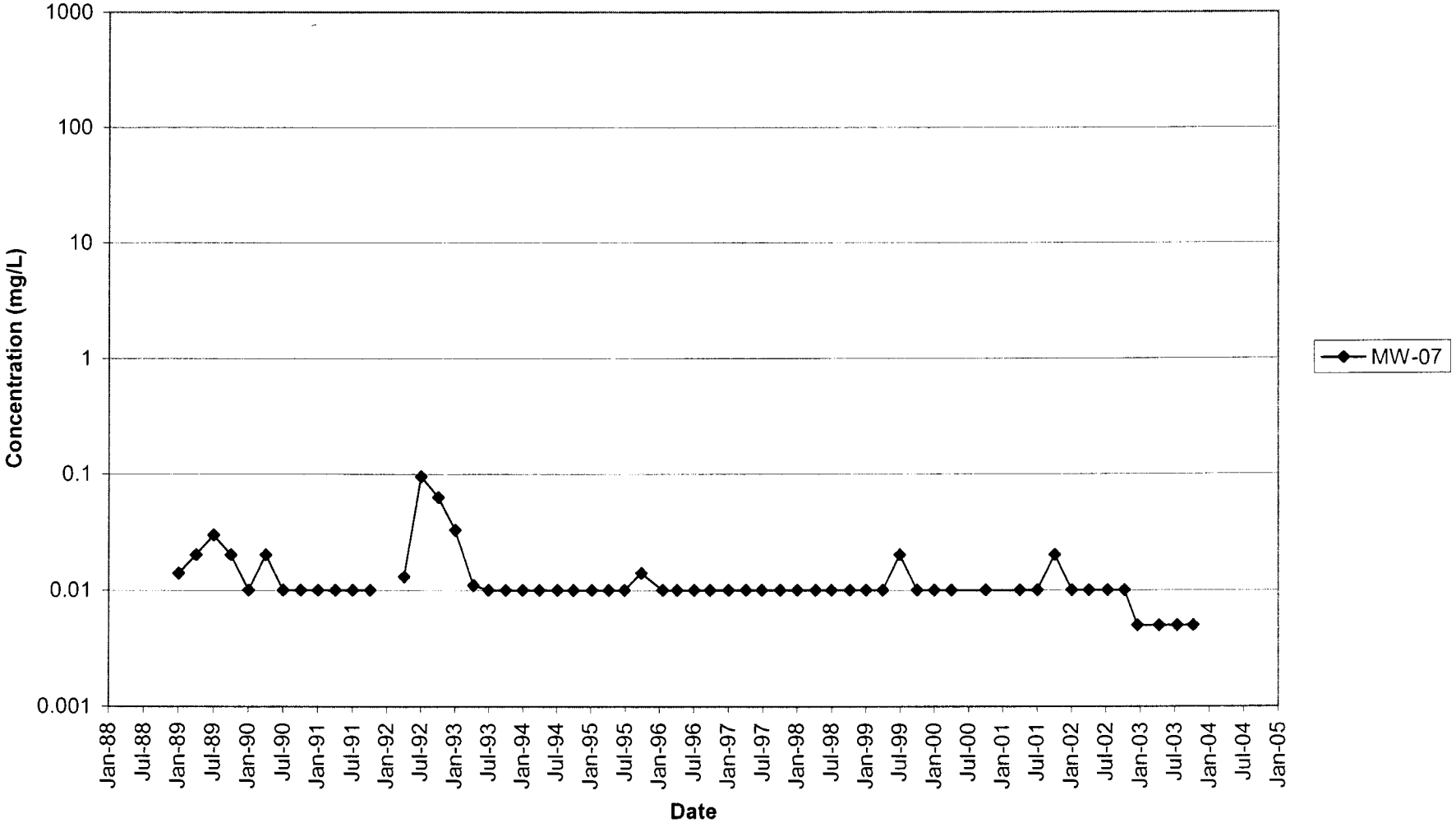

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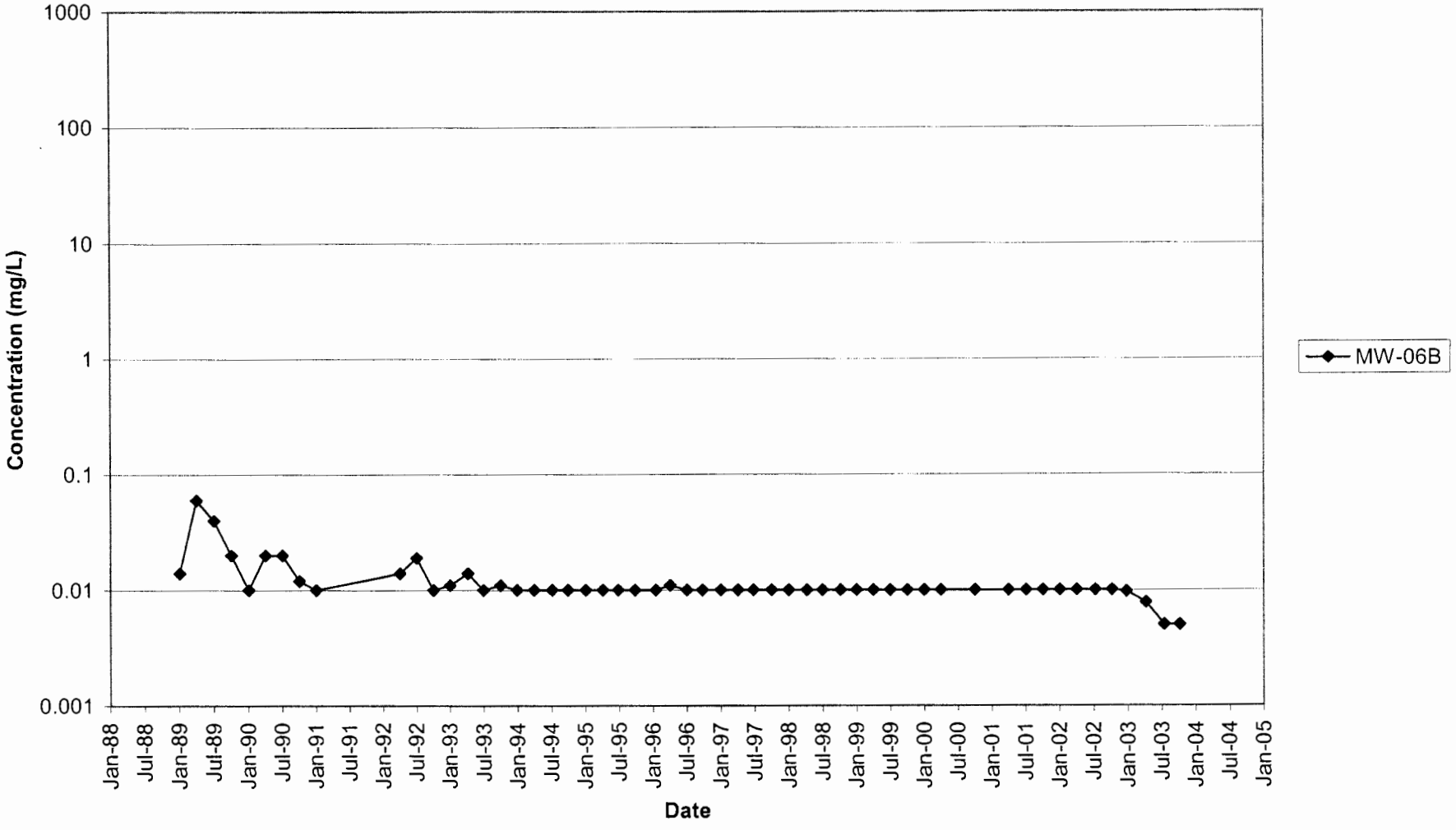

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Total Chromium Concentrations
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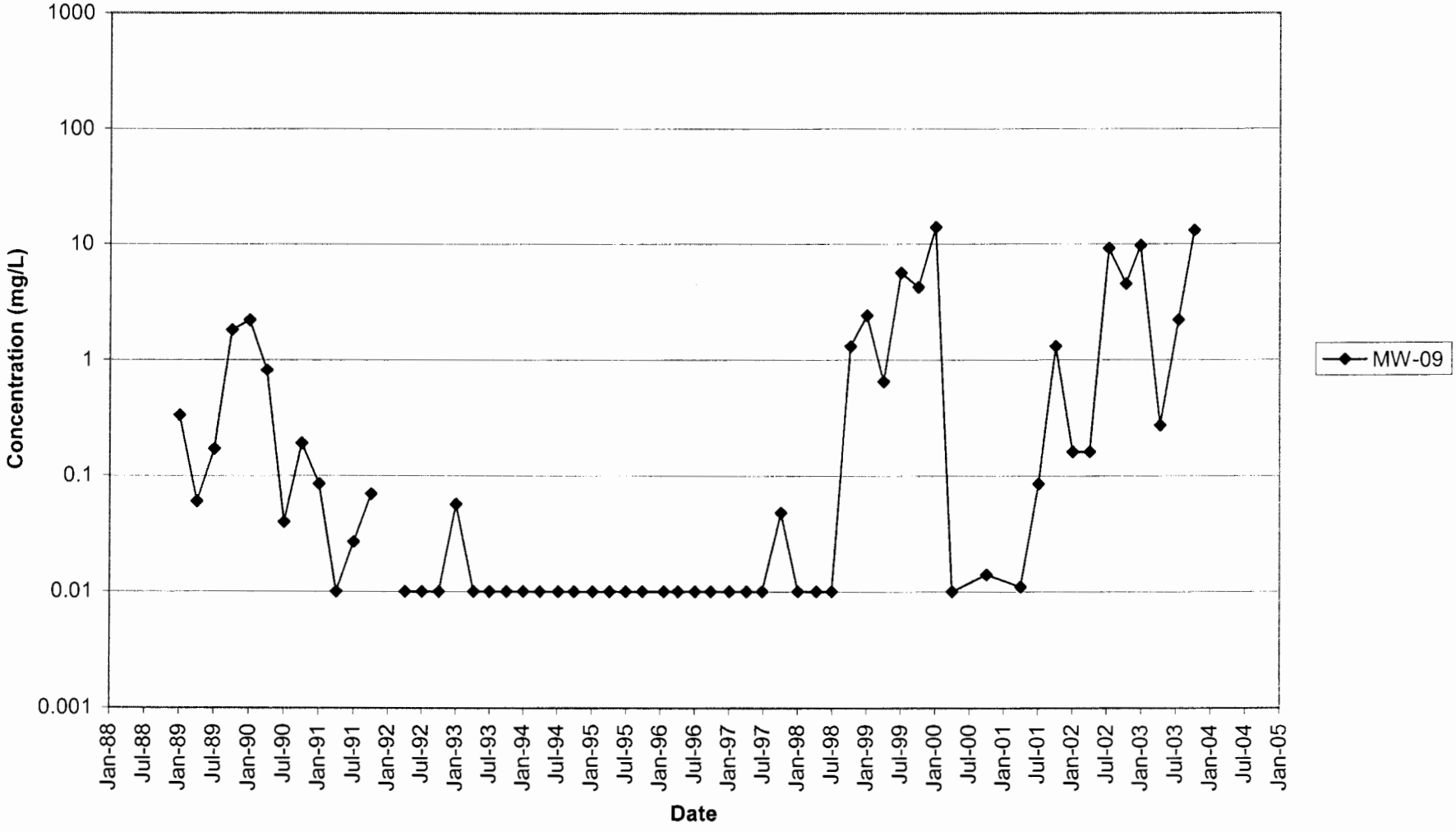

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Total Chromium Concentrations
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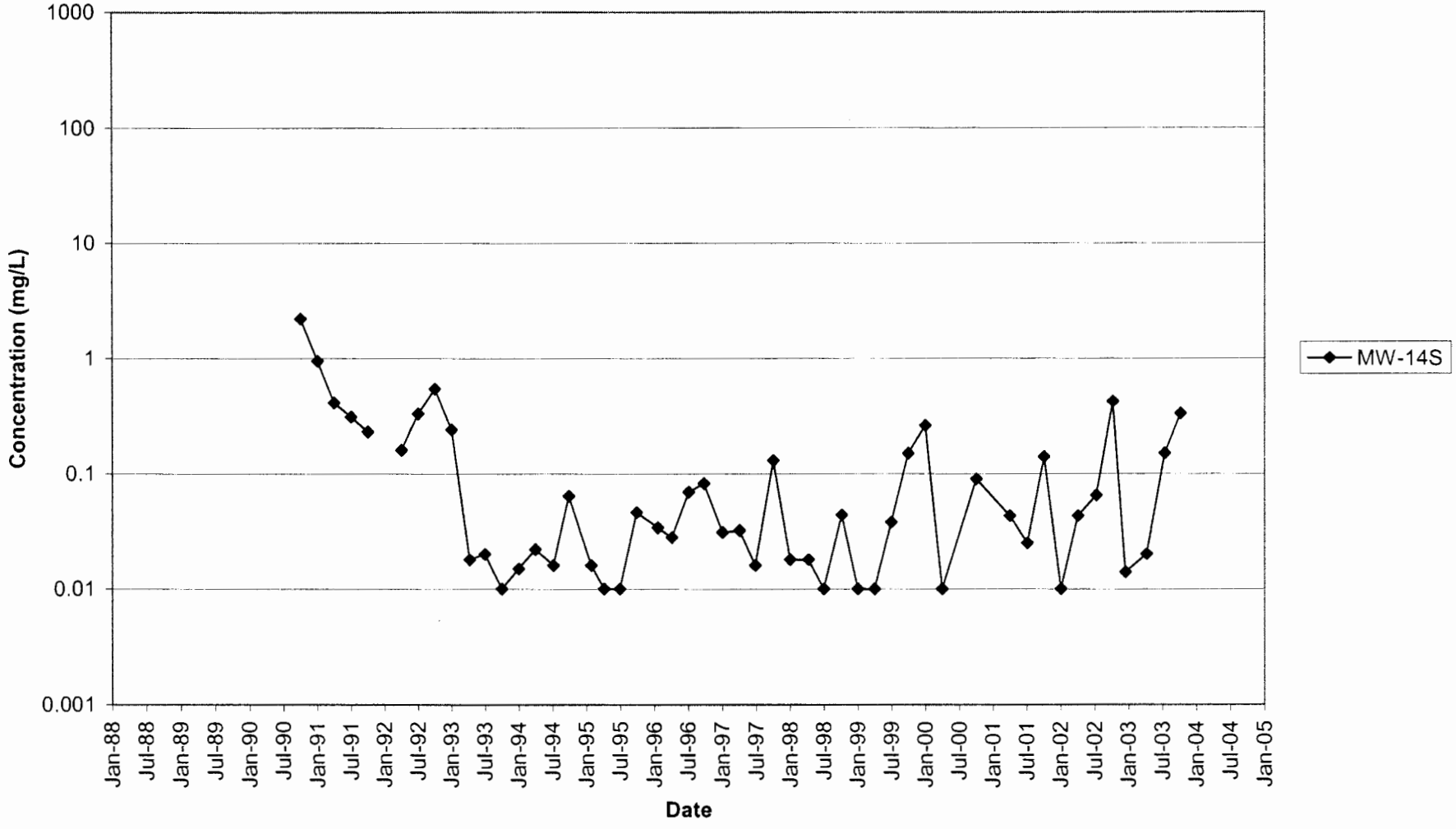

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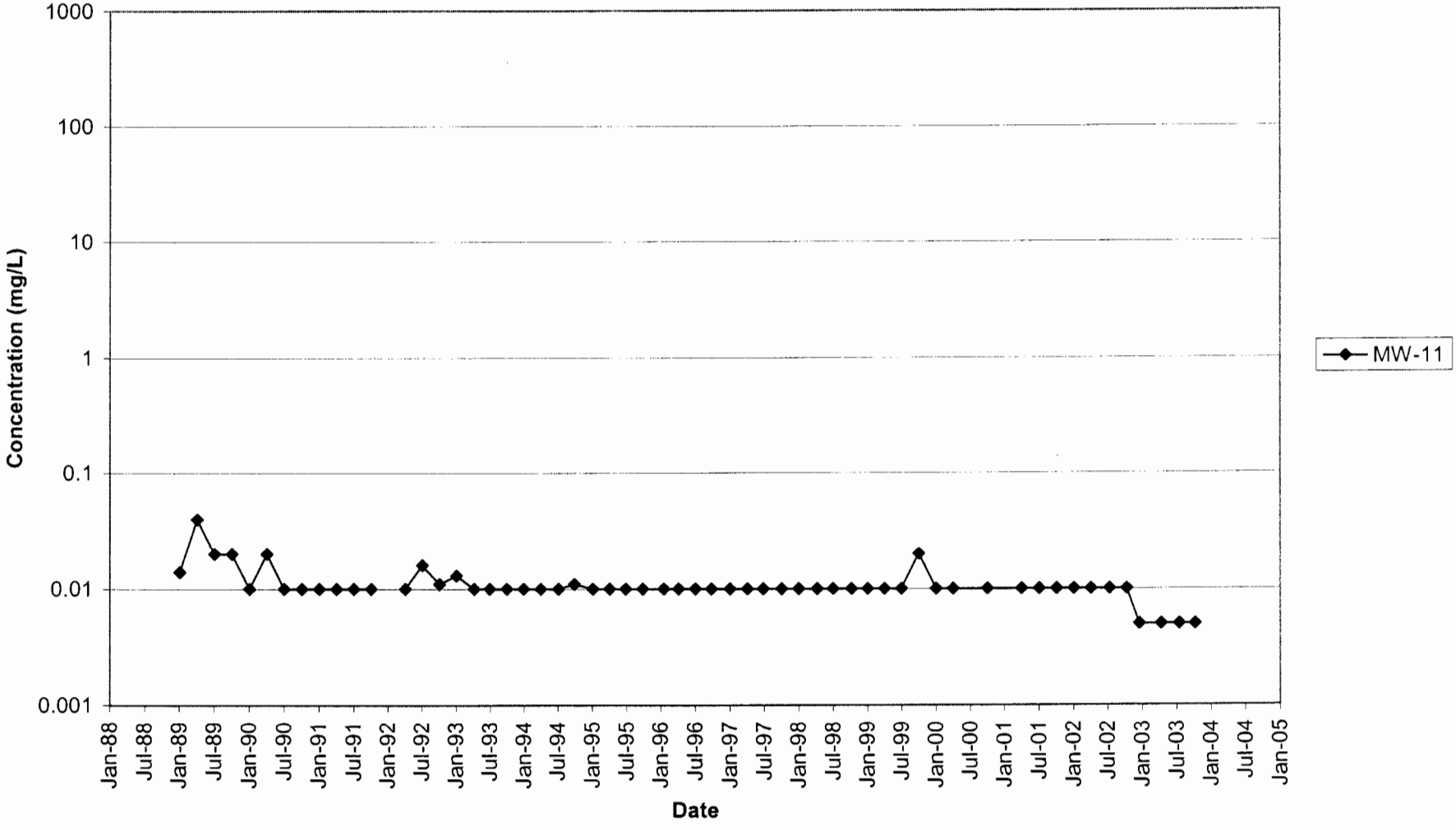

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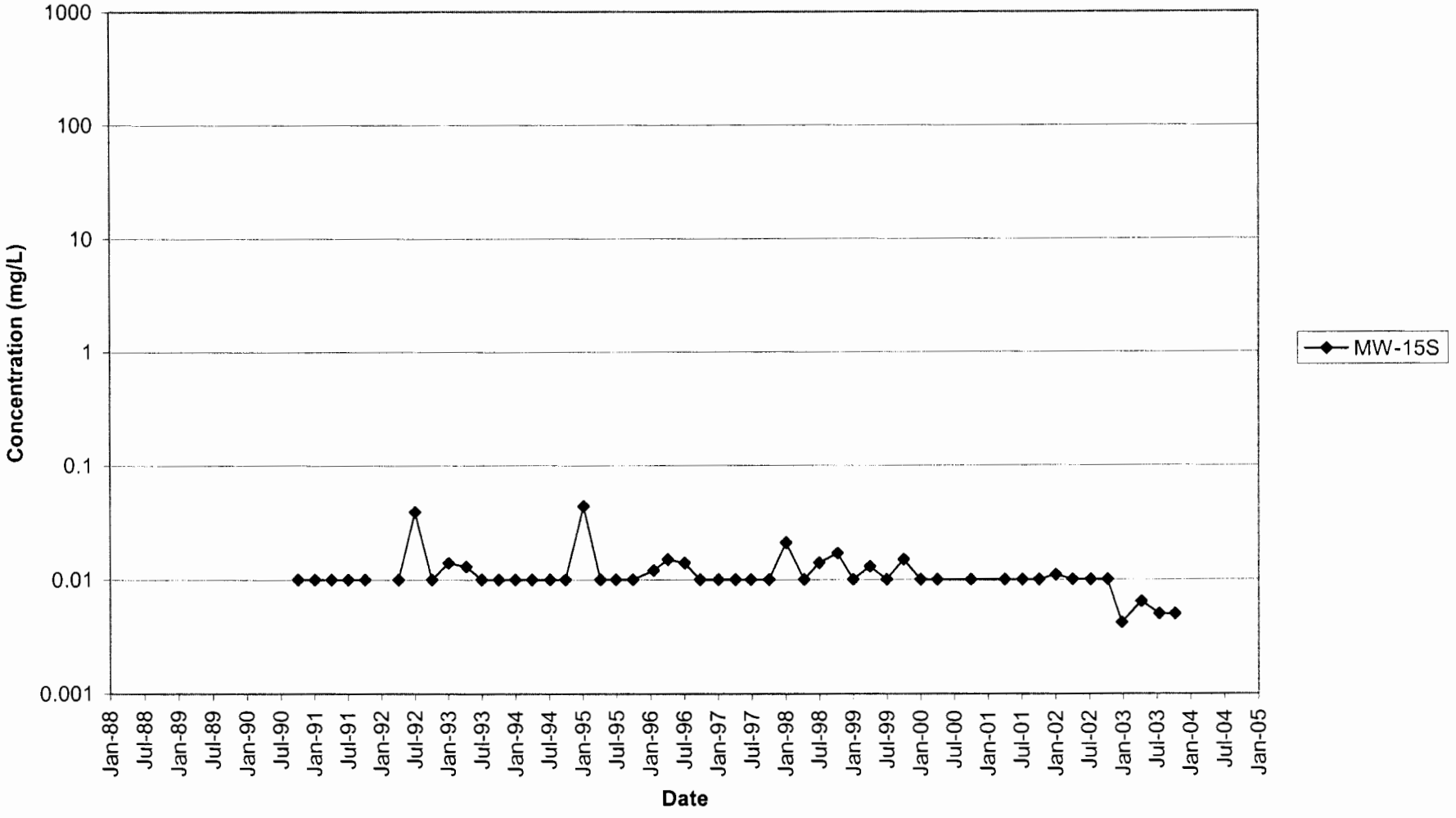

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Total Chromium Concentrations
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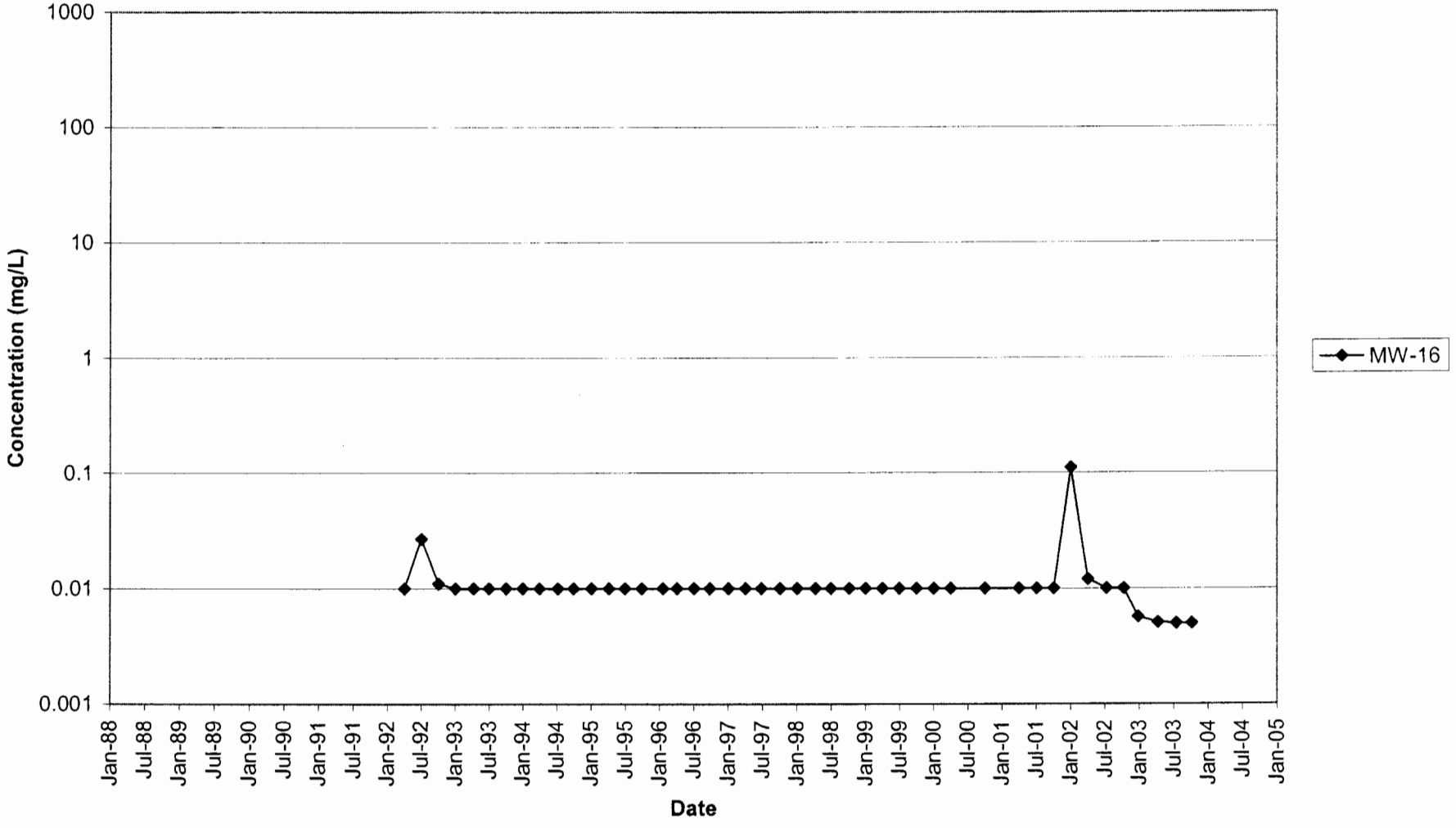

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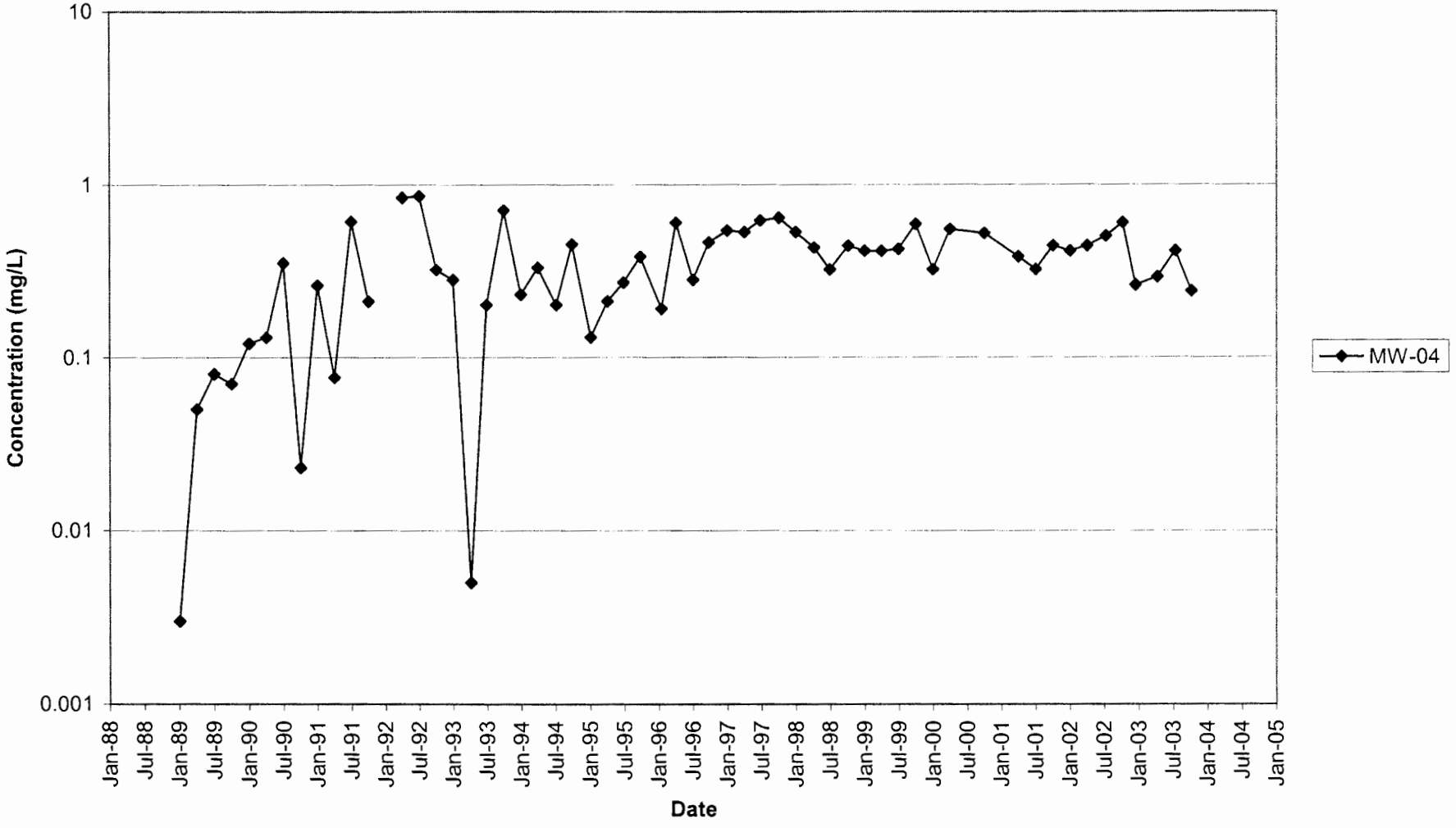
Cadmium Concentrations
MW-04



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Cadmium Concentrations
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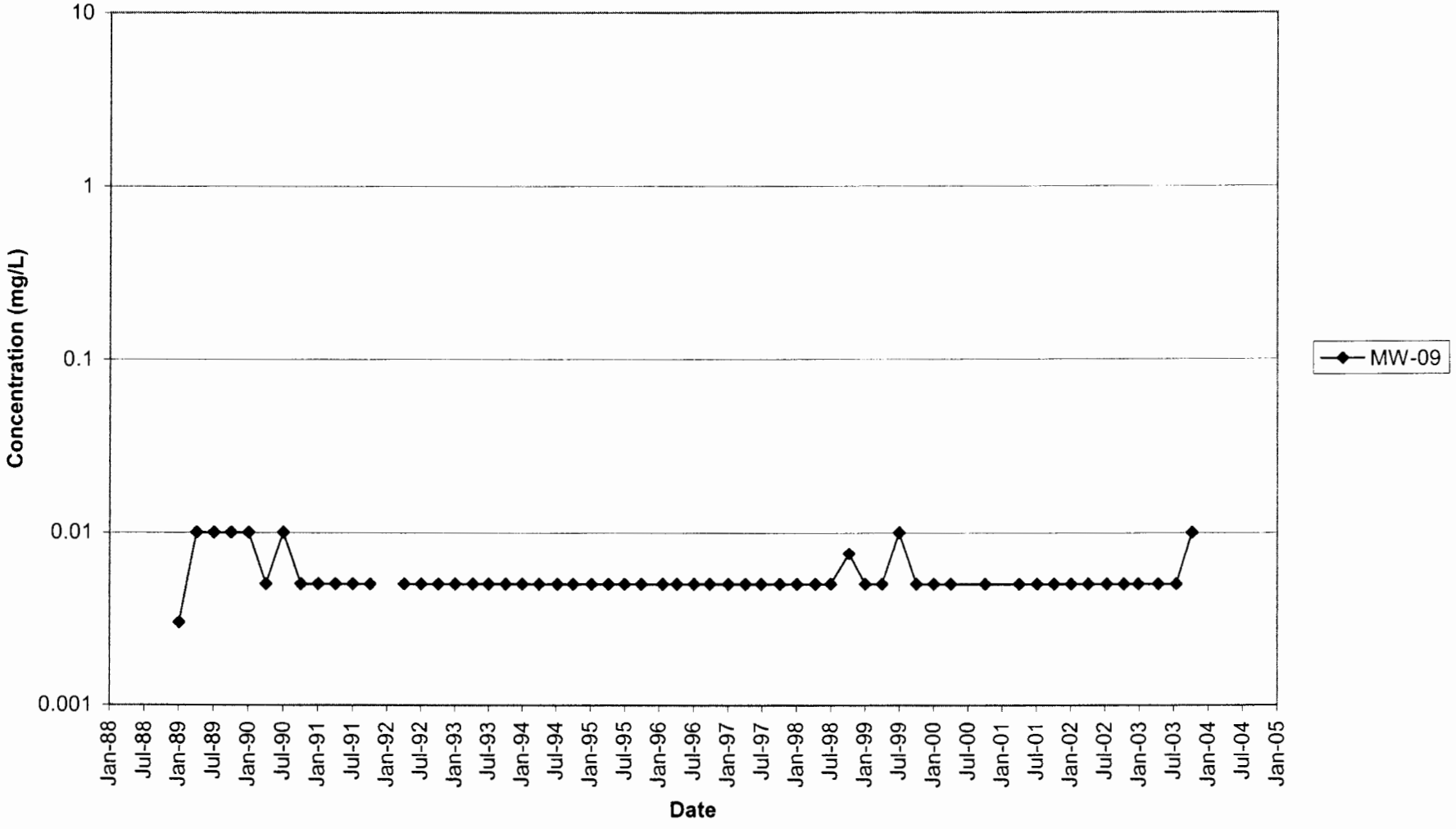

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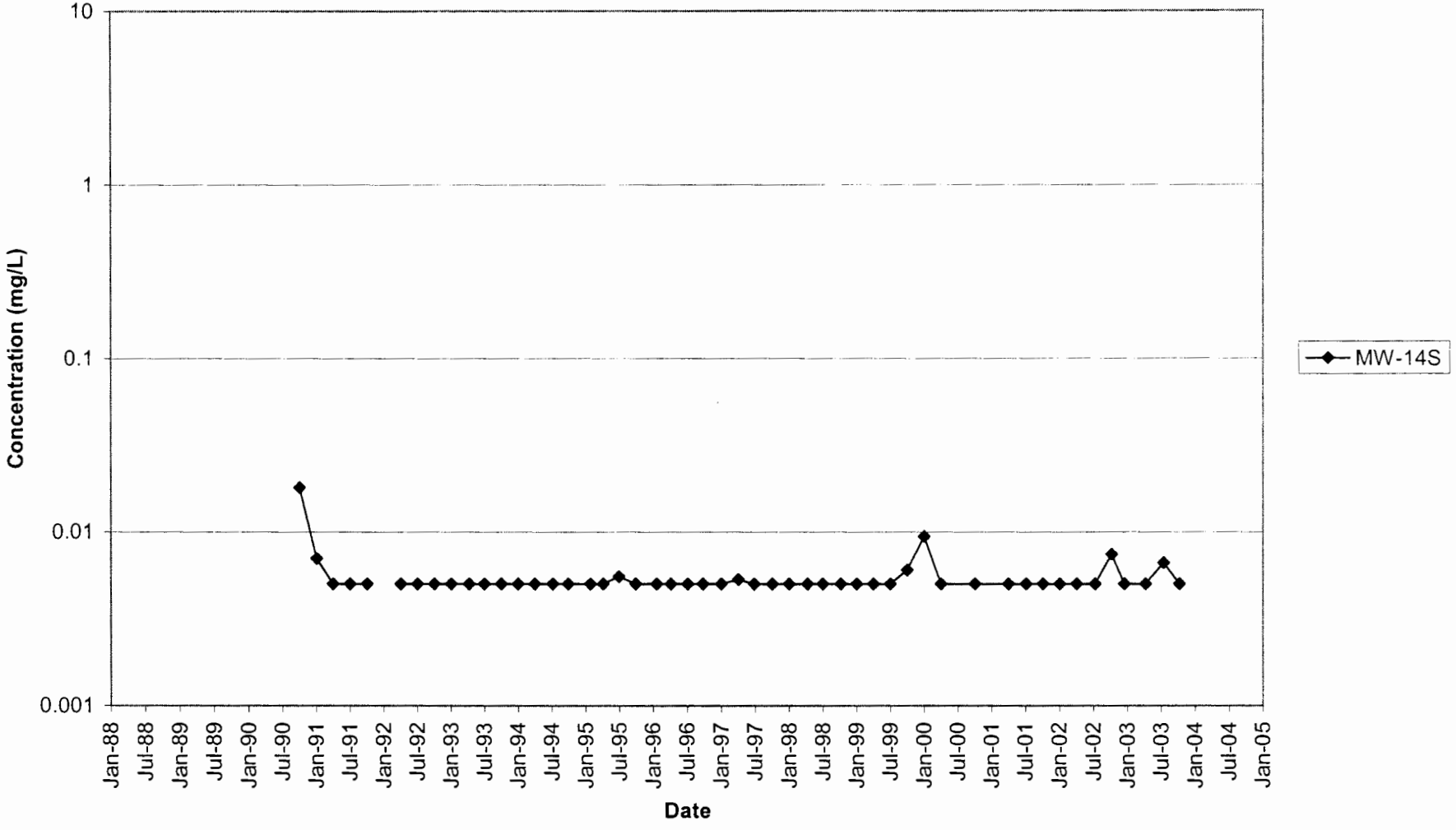

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Cadmium Concentrations
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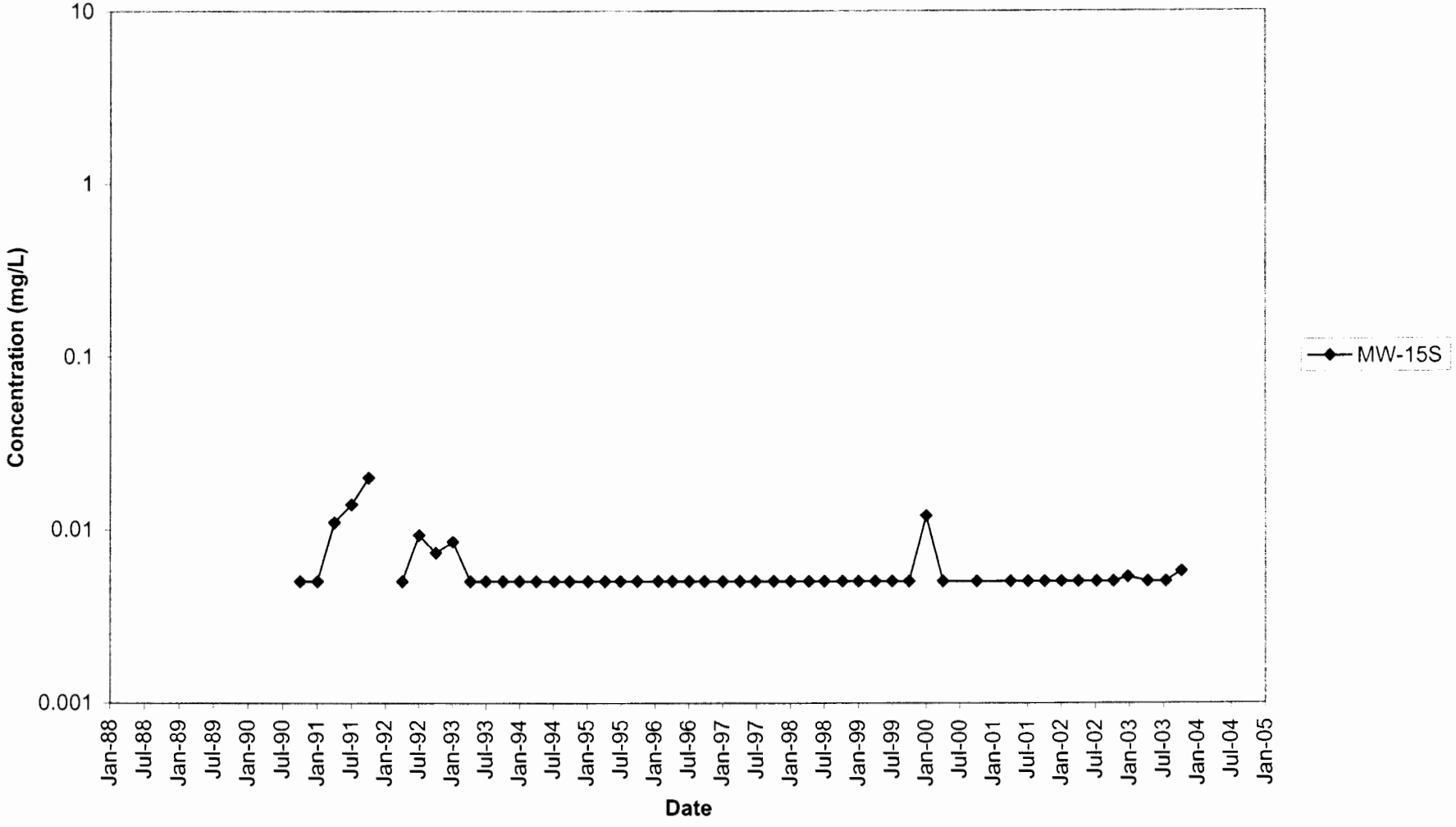

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Total BTEX Concentrations
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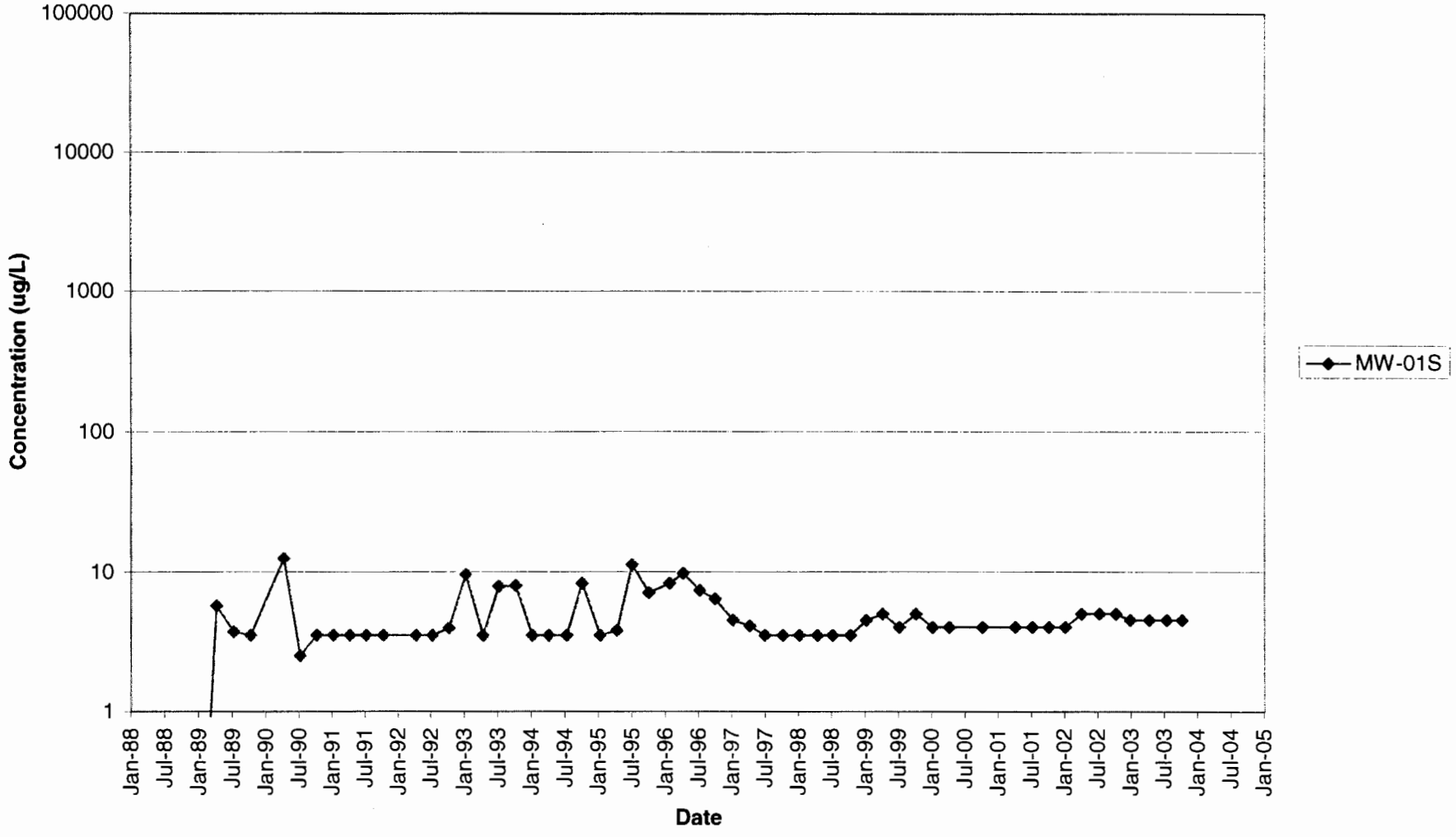

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Total BTEX Concentrations
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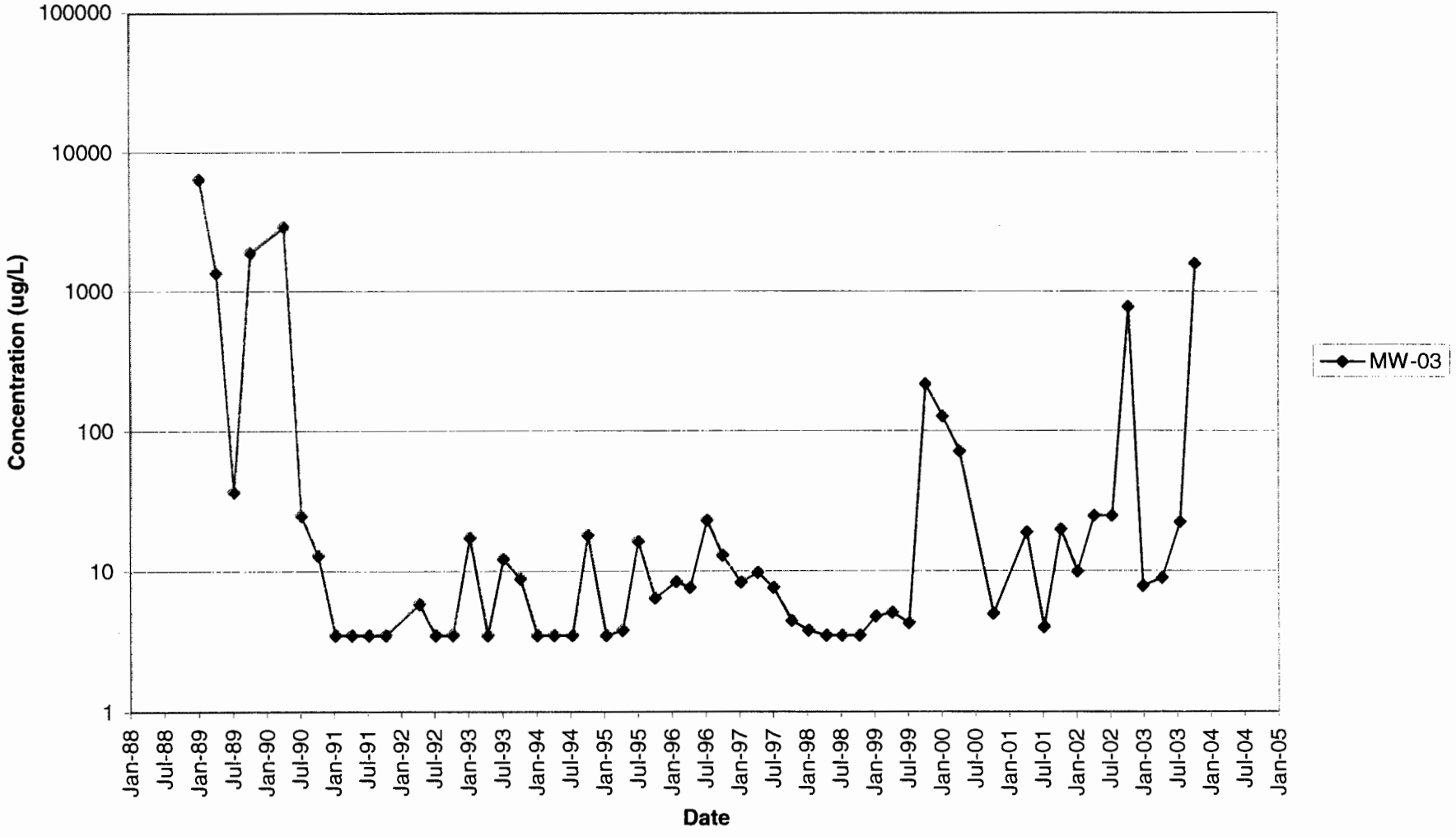

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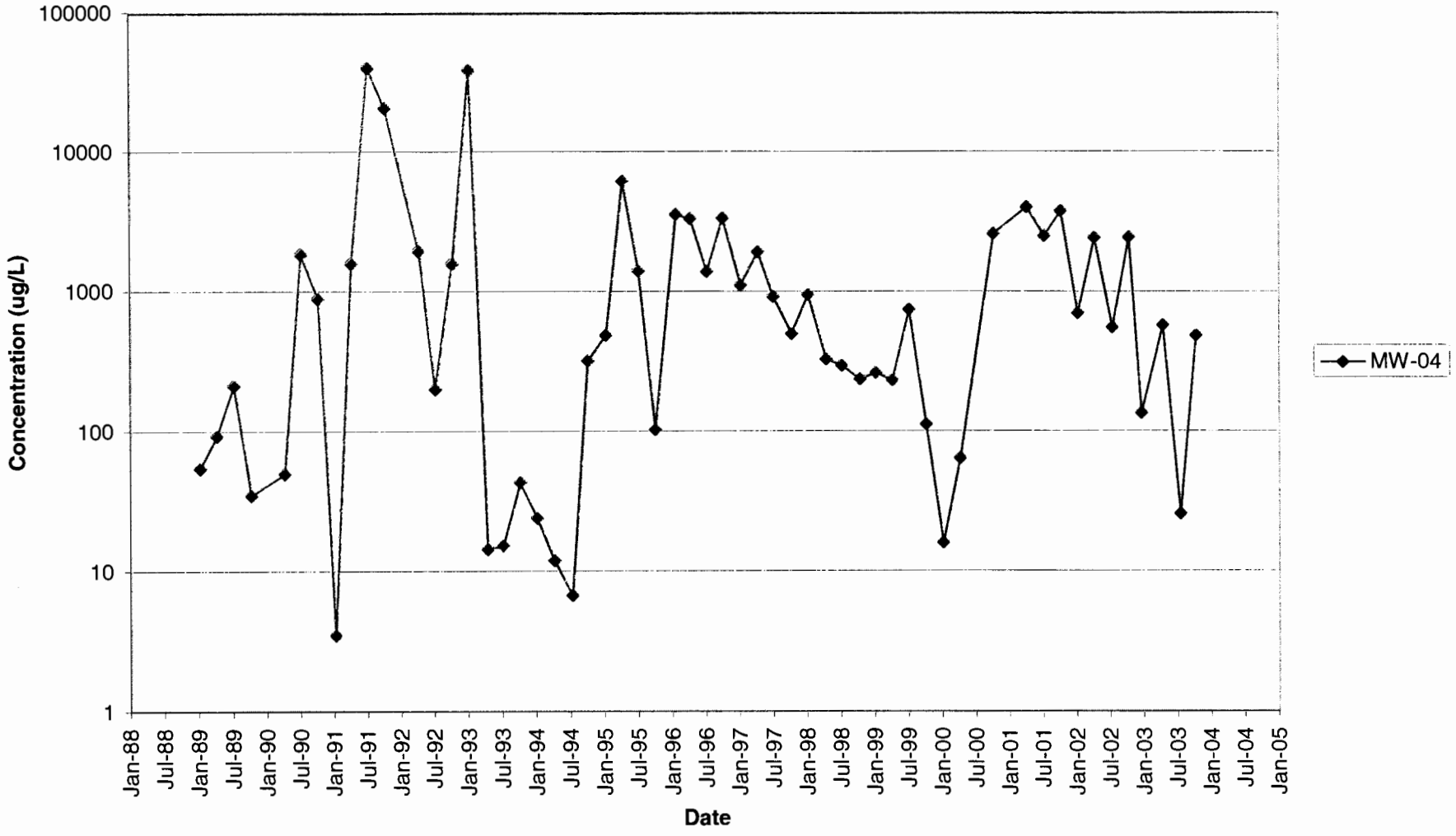
Total BTEX Concentrations
MW-04



Phibro-Tech, Inc.
Total BTEX Concentrations
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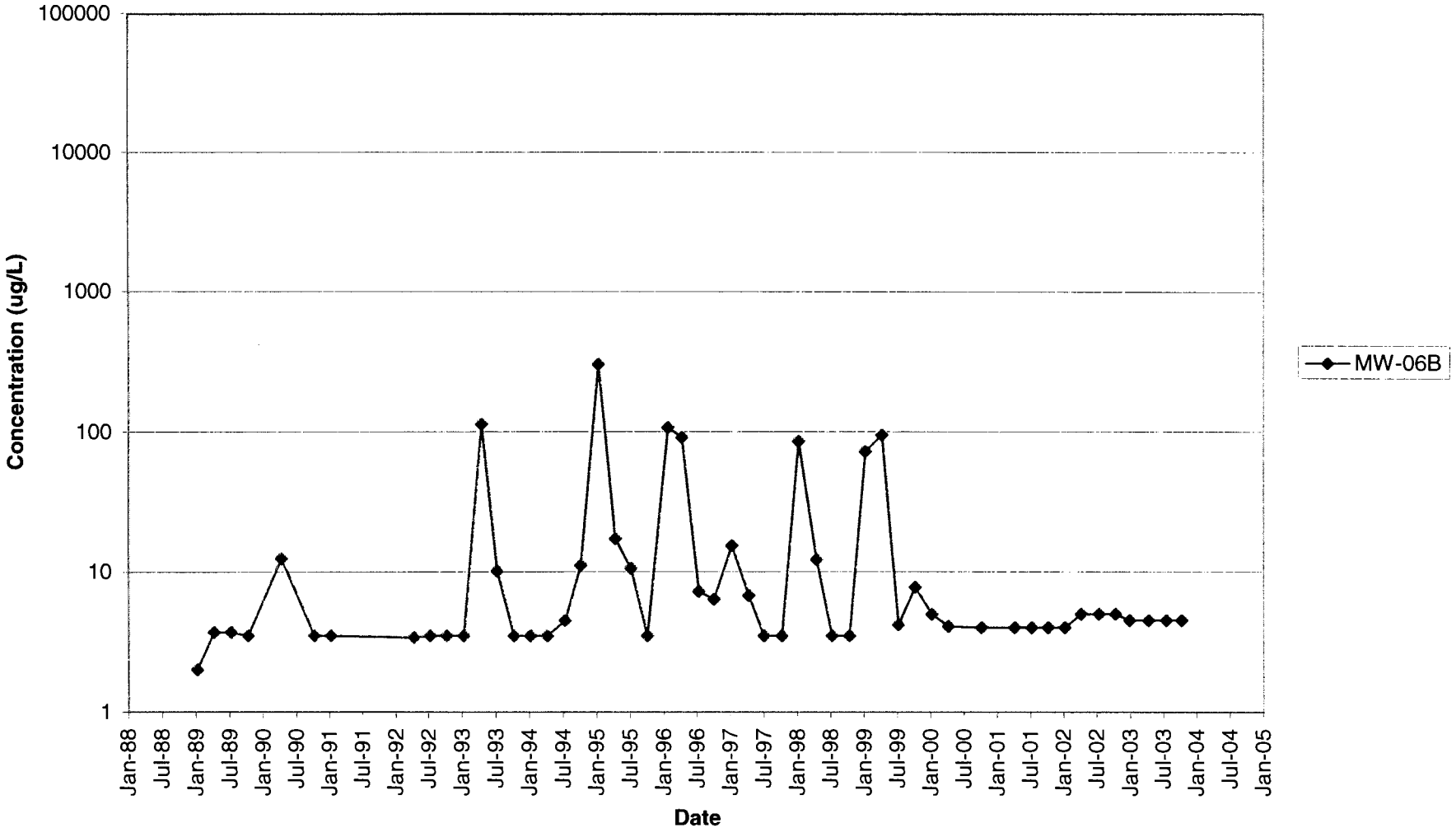
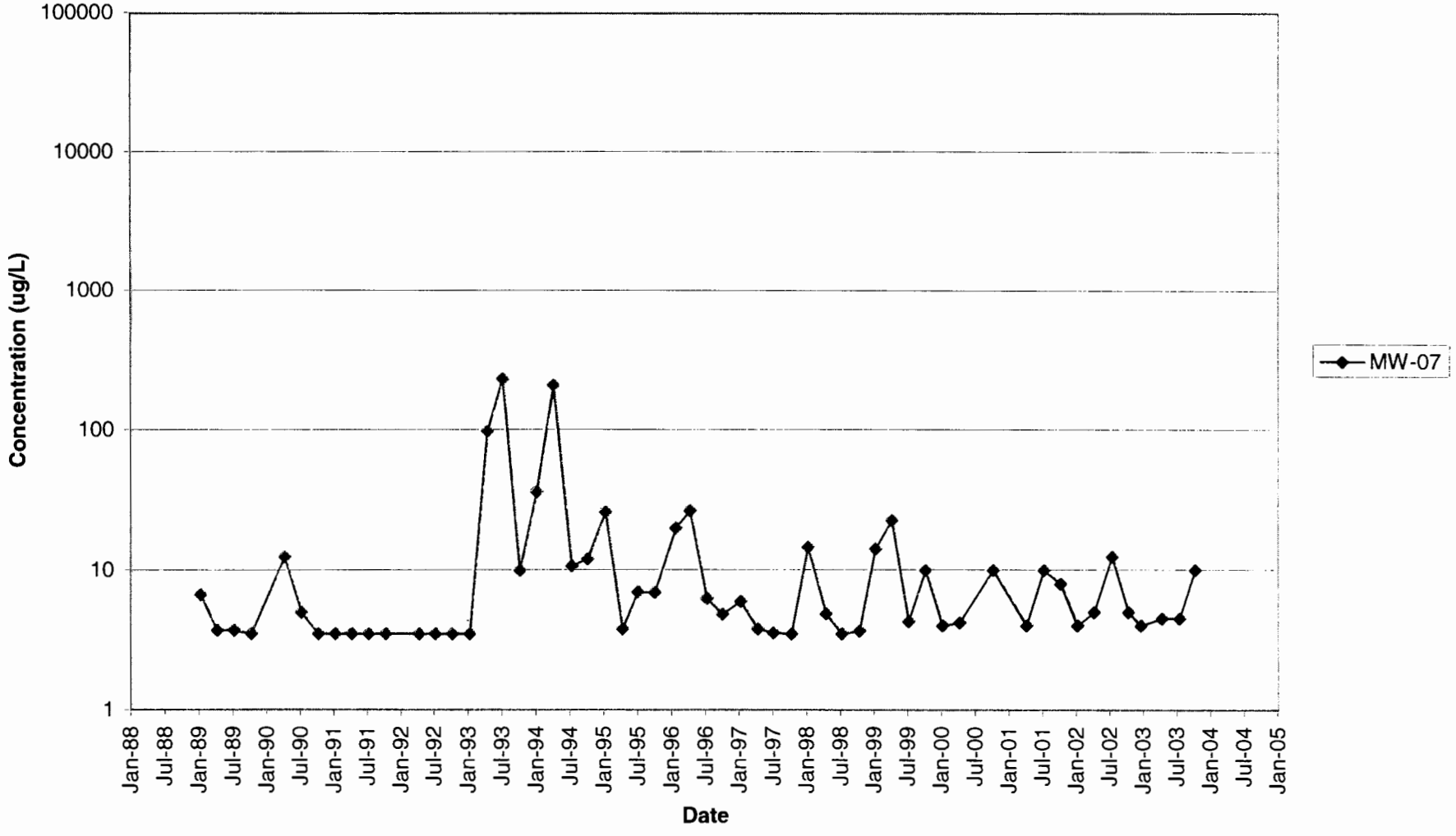
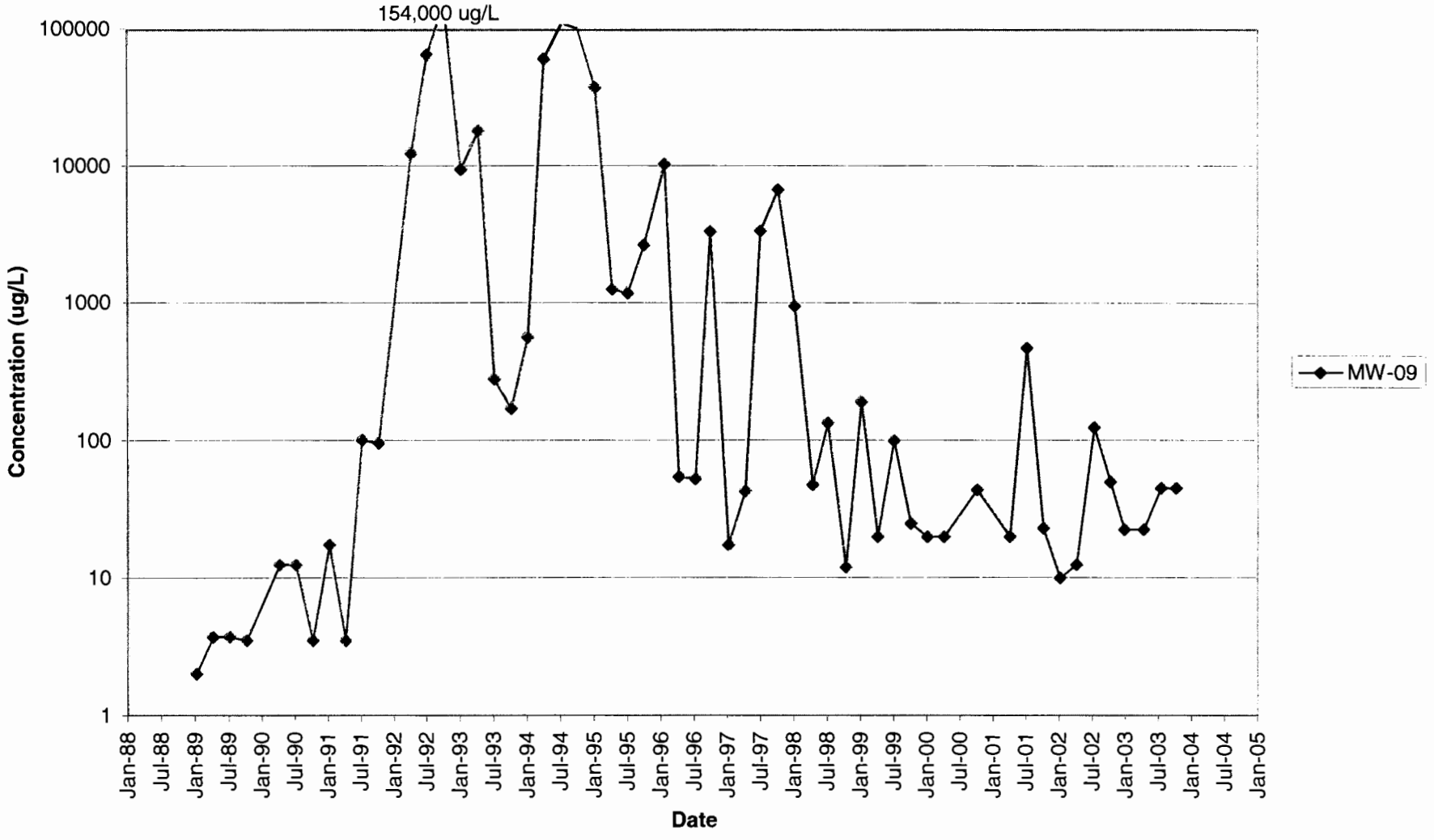


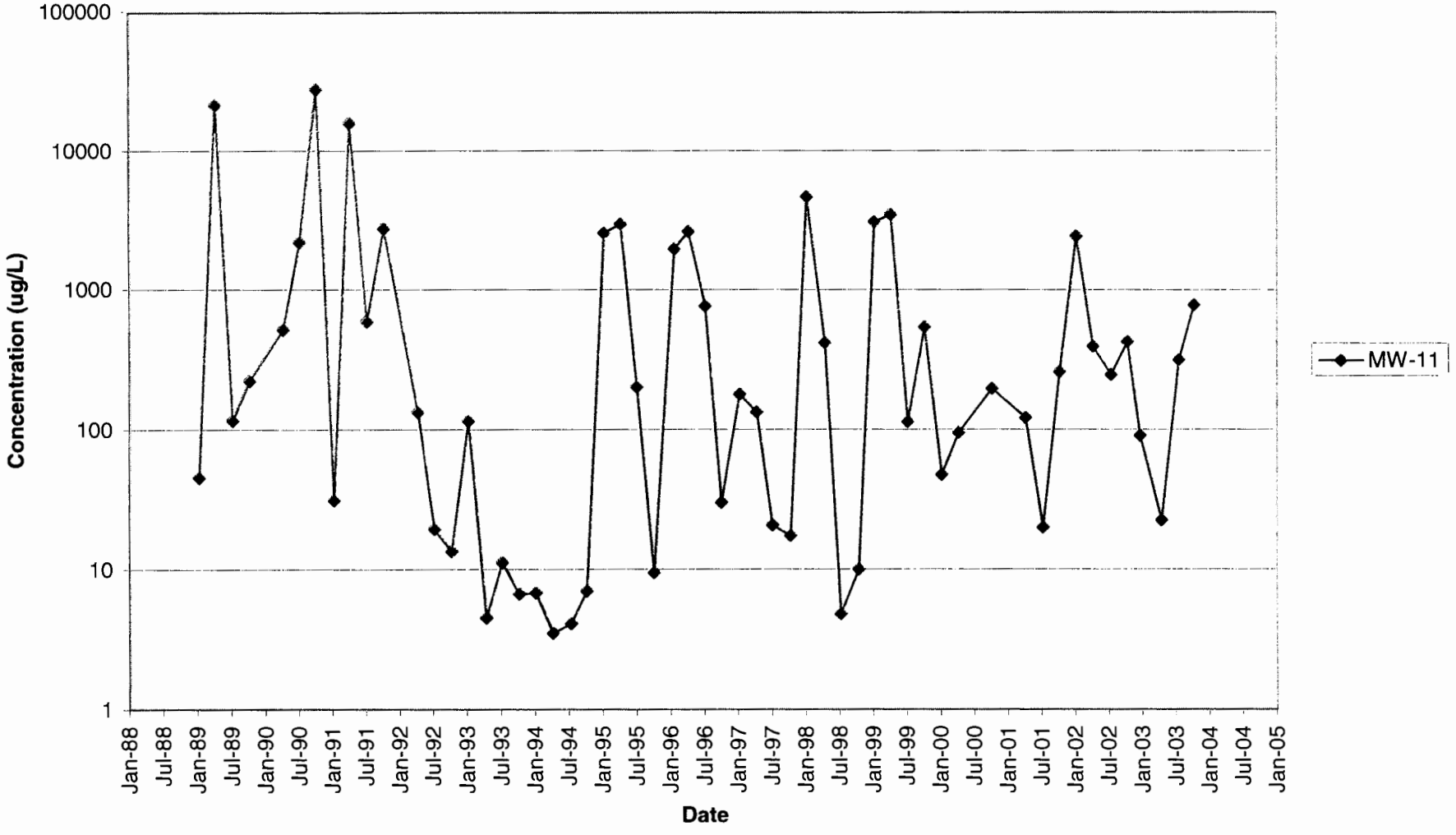
Phibro-Tech, Inc.
Total BTEX Concentrations
MW-07



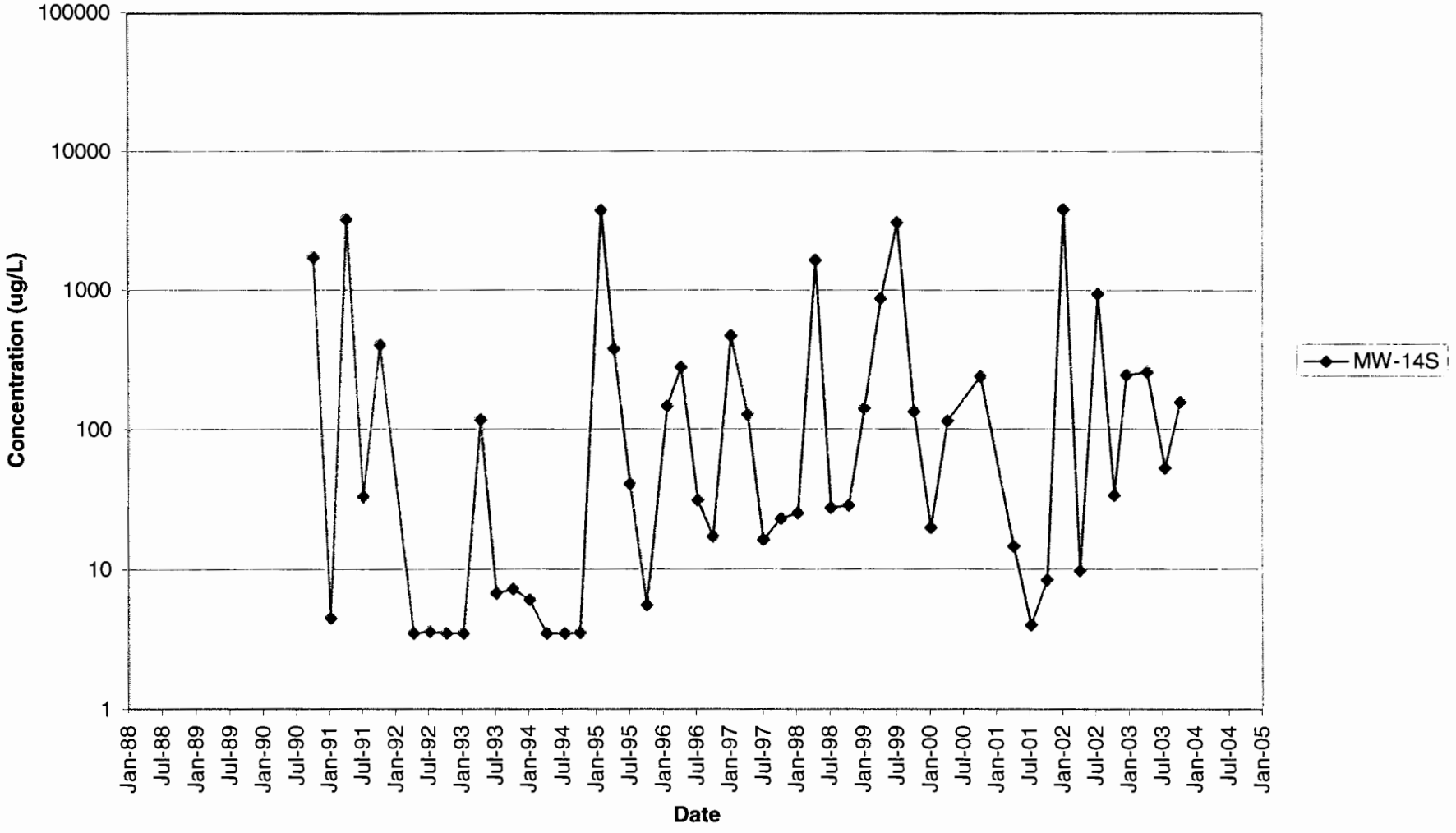
Phibro-Tech, Inc.
Total BTEX Concentrations
MW-09



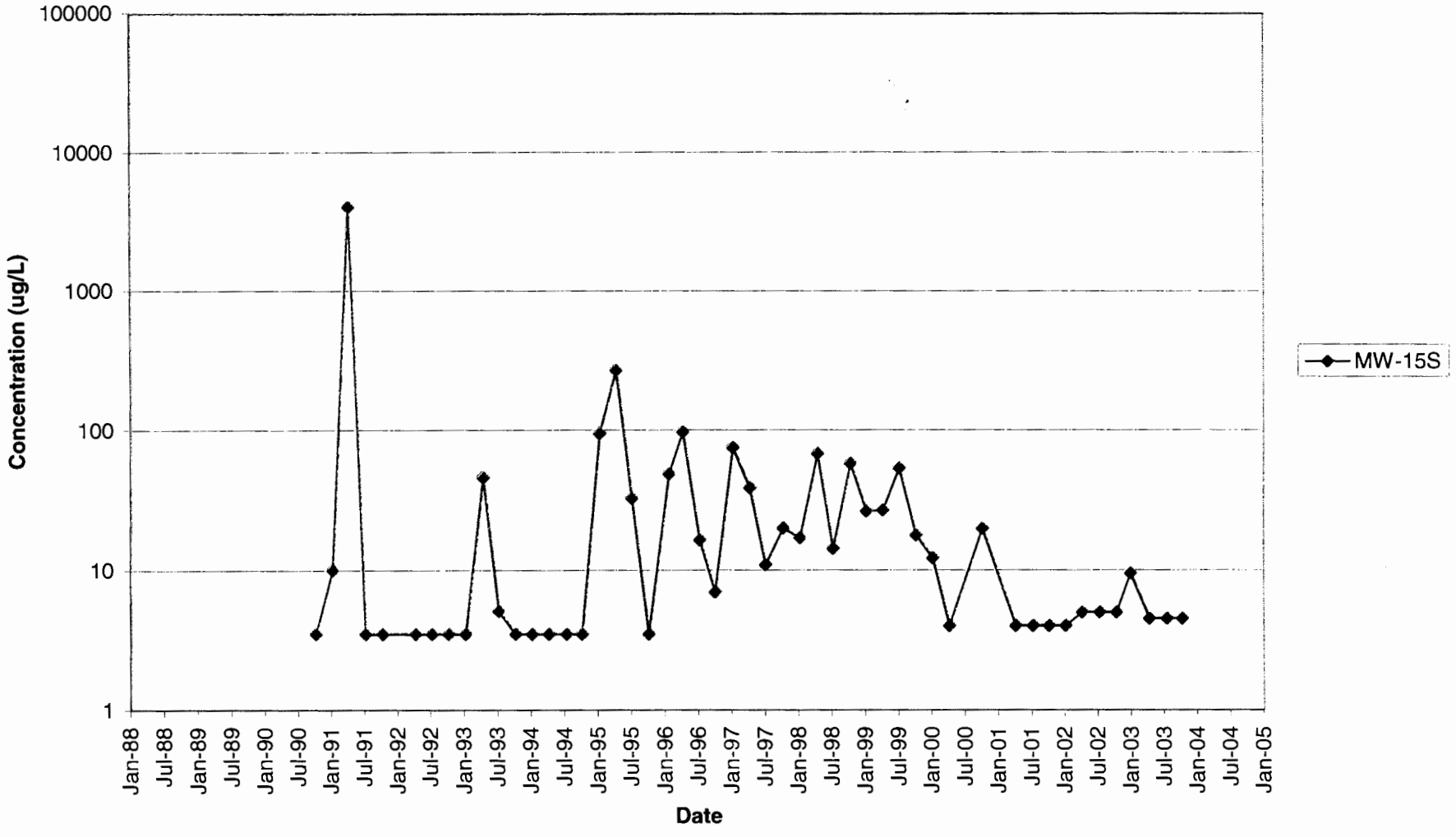
Phibro-Tech, Inc.
Total BTEX Concentrations
MW-11



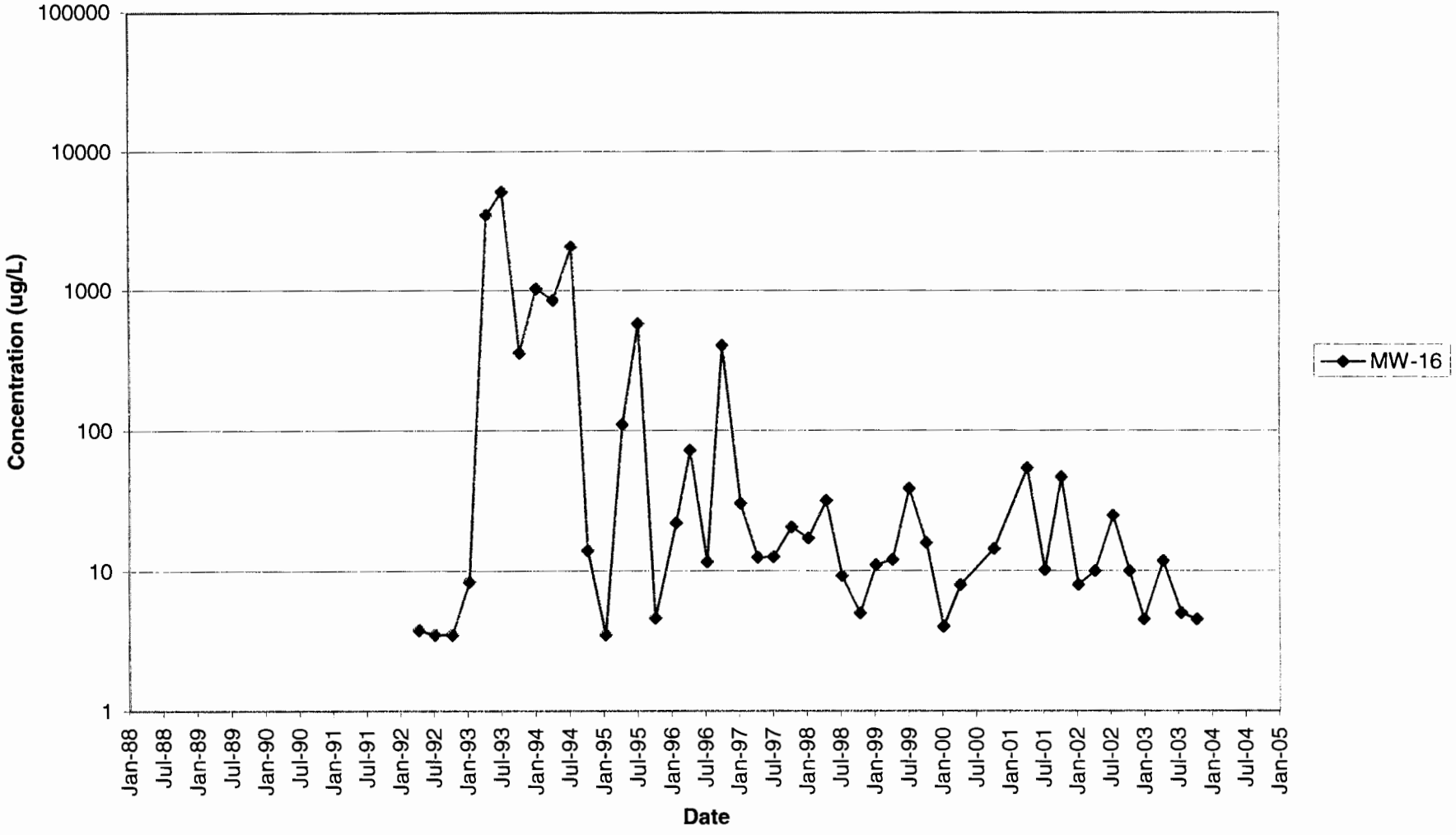
Phibro-Tech, Inc.
Total BTEX Concentrations
MW-14S

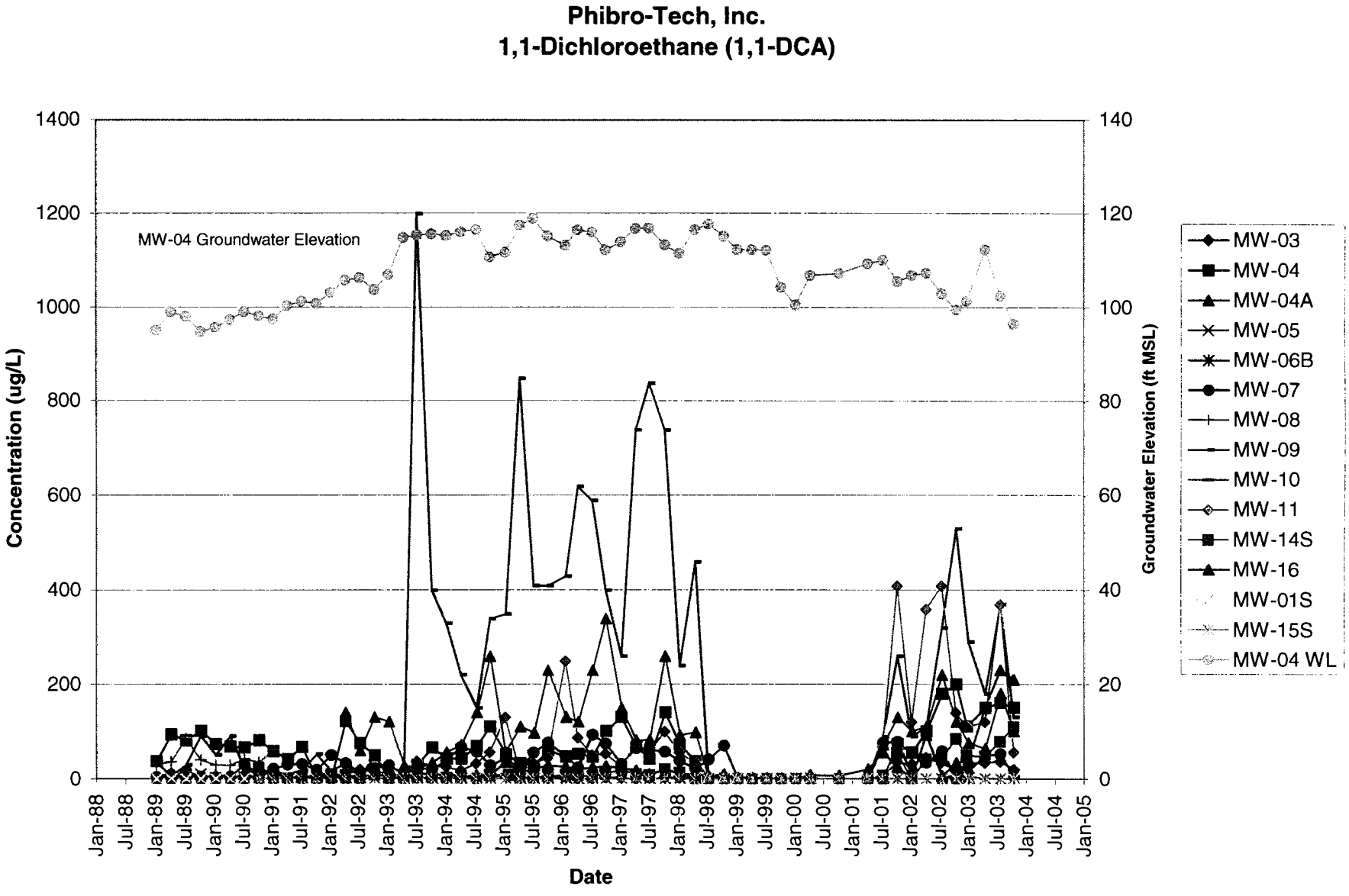


Phibro-Tech, Inc.
Total BTEX Concentrations
MW-15S

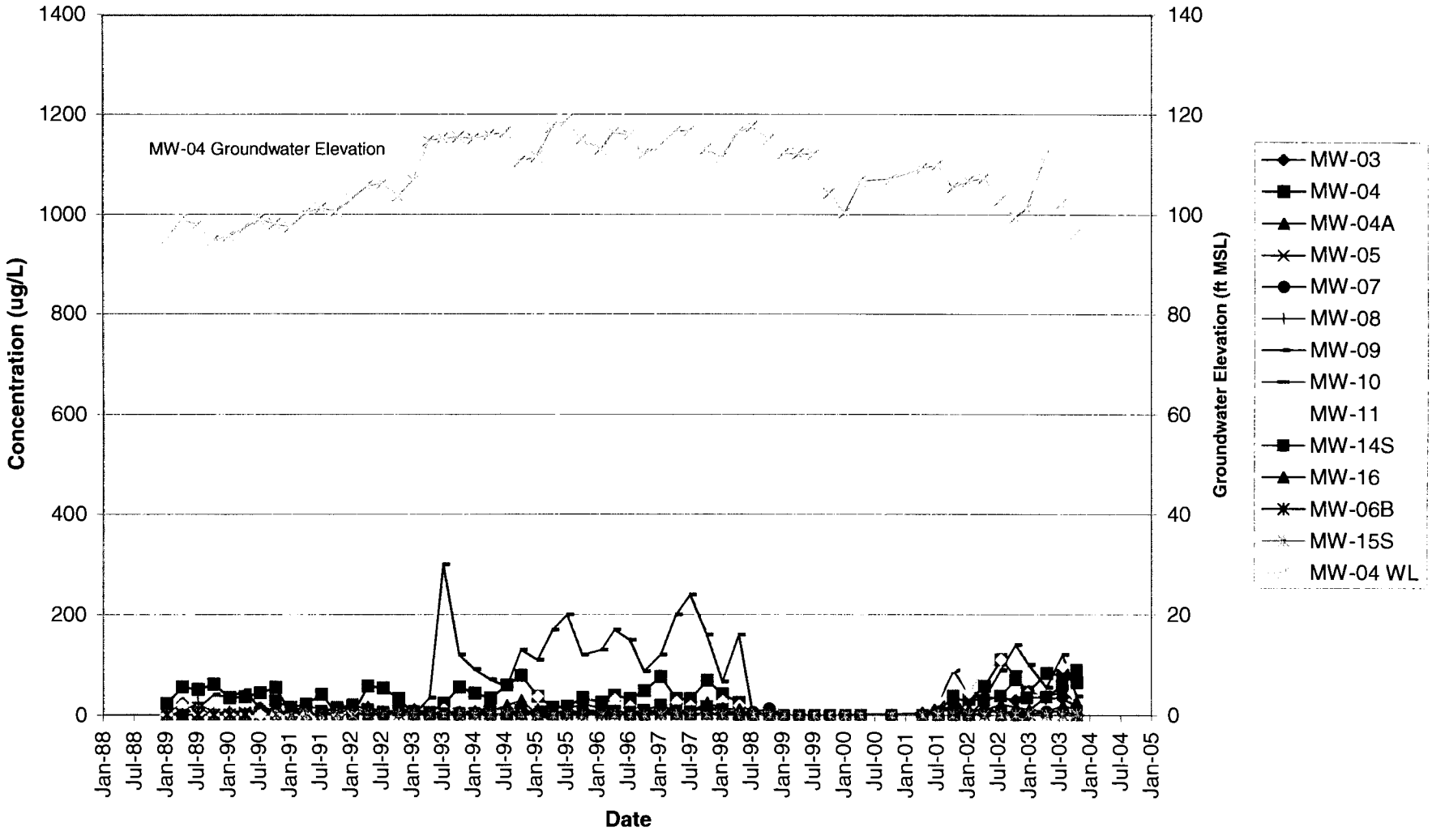


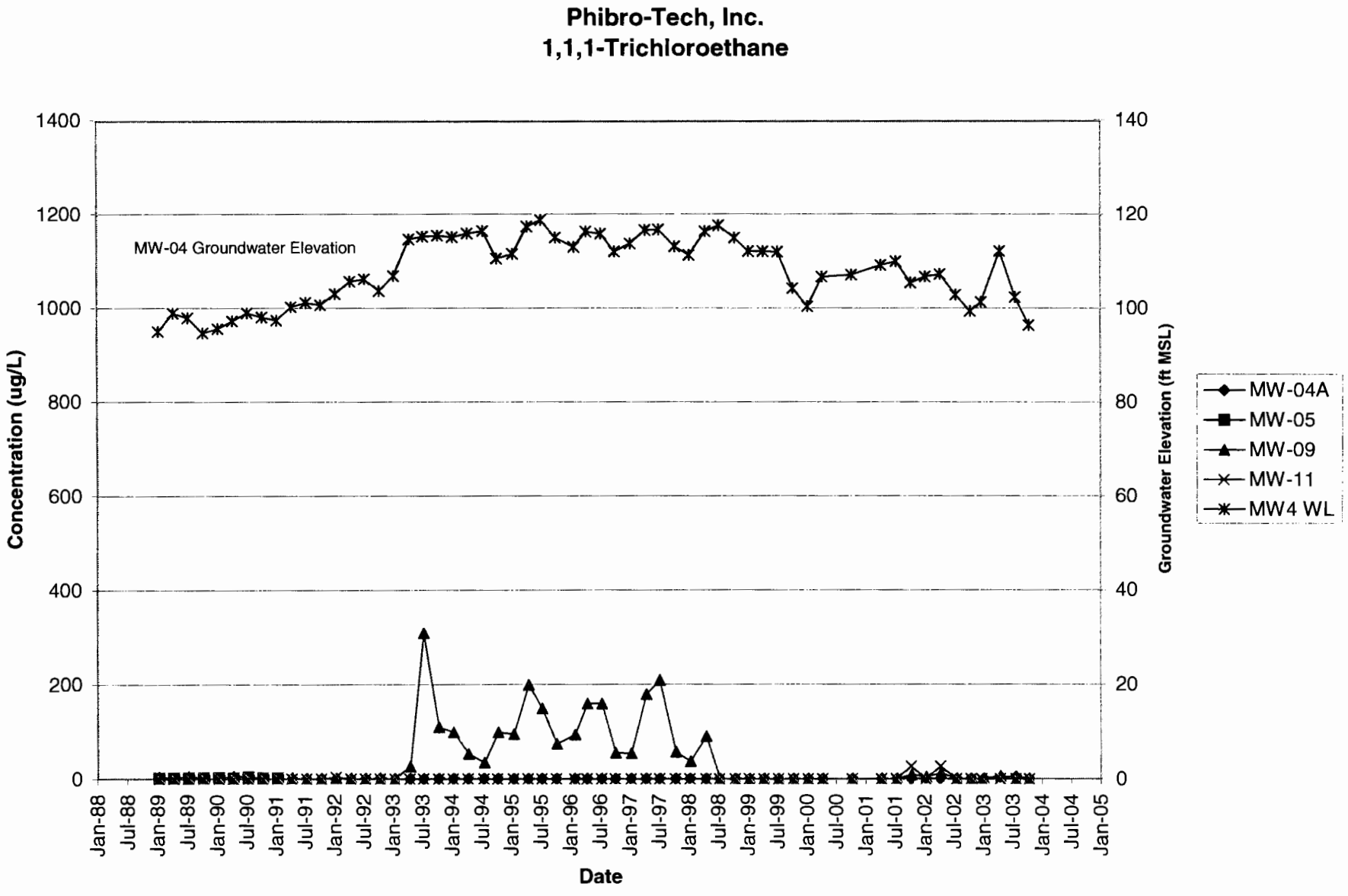
Phibro-Tech, Inc.
Total BTEX Concentrations
MW-16



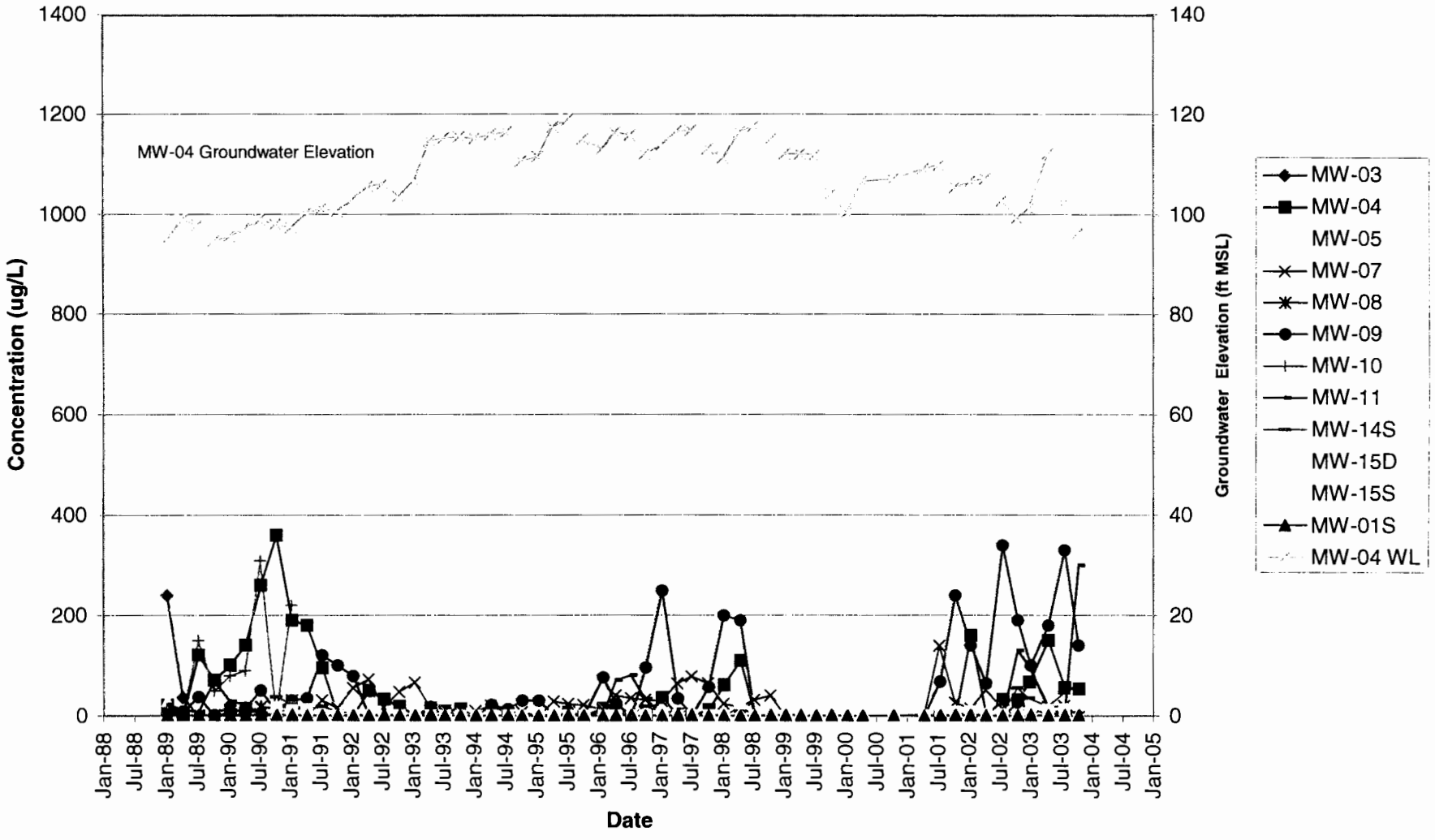

Phibro-Tech, Inc.
1,1-Dichloroethane (1,1-DCA)
MW-04 Groundwater Elevation
Concentration (ug/L)
Groundwater Elevation (ft MSL)
Date
0
200
400
600
800
1000
1200
1400
0
20
40
60
80
100
120
140
Jan-88
Jul-88
Jan-89
Jul-89
Jan-90
Jul-90
Jan-91
Jul-91
Jan-92
Jul-92
Jan-93
Jul-93
Jan-94
Jul-94
Jan-95
Jul-95
Jan-96
Jul-96
Jan-97
Jul-97
Jan-98
Jul-98
Jan-99
Jul-99
Jan-00
Jul-00
Jan-01
Jul-01
Jan-02
Jul-02
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05
MW-03
MW-04
MW-04A
MW-05
MW-06B
MW-07
MW-08
MW-09
MW-10
MW-11
MW-14S
MW-16
MW-01S
MW-15S
MW-04 WL

Phibro-Tech, Inc.
1,1-Dichloroethene (1,1-DCE)

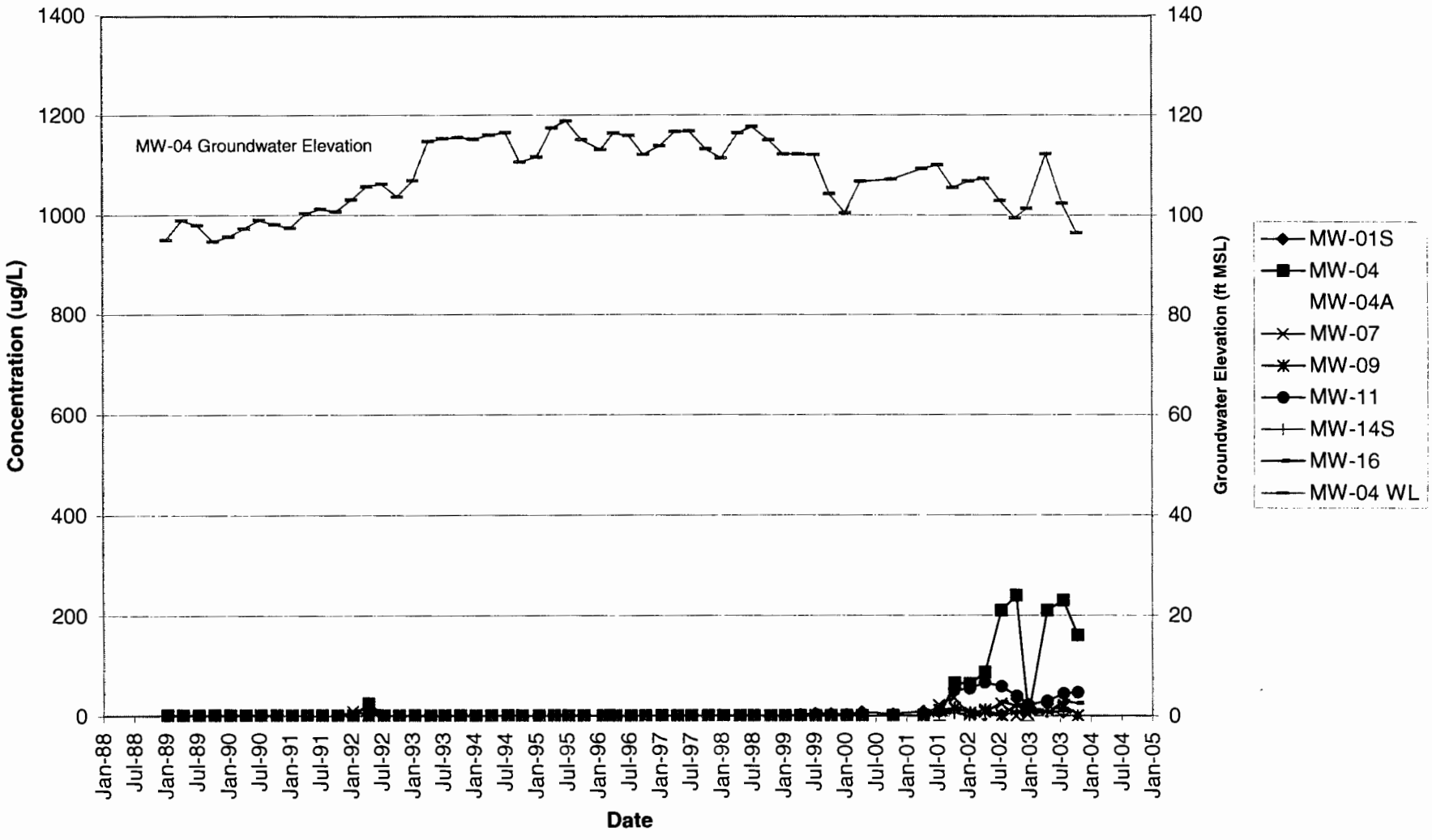


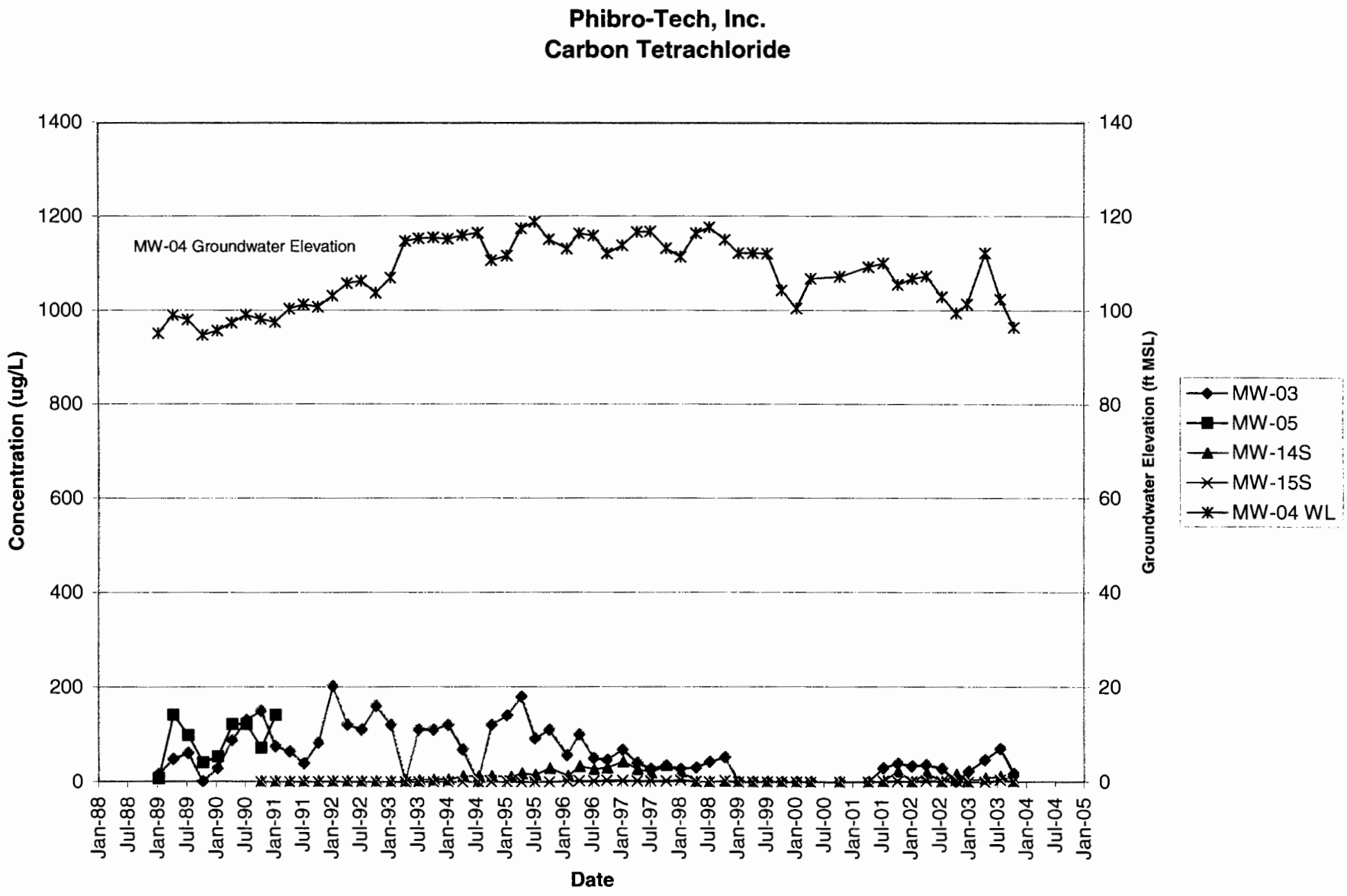

Phibro-Tech, Inc.
1,1,1-Trichloroethane
MW-04 Groundwater Elevation
Concentration (ug/L)
Groundwater Elevation (ft MSL)
Date
MW-04A
MW-05
MW-09
MW-11
MW4 WL
1400
1200
1000
800
600
400
200
0
140
120
100
80
60
40
20
0
Jan-88
Jul-88
Jan-89
Jul-89
Jan-90
Jul-90
Jan-91
Jul-91
Jan-92
Jul-92
Jan-93
Jul-93
Jan-94
Jul-94
Jan-95
Jul-95
Jan-96
Jul-96
Jan-97
Jul-97
Jan-98
Jul-98
Jan-99
Jul-99
Jan-00
Jul-00
Jan-01
Jul-01
Jan-02
Jul-02
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05

Phibro-Tech, Inc.
1,2-Dichloroethane (1,2-DCA)



Phibro-Tech, Inc.
cis-1,2-Dichloroethene (cis-1,2-DCE)




Phibro-Tech, Inc.
Carbon Tetrachloride
MW-04 Groundwater Elevation
Concentration (ug/L)
Groundwater Elevation (ft MSL)
Date
MW-03
MW-05
MW-14S
MW-15S
MW-04 WL
0
200
400
600
800
1000
1200
1400
0
20
40
60
80
100
120
140
Jan-88
Jul-88
Jan-89
Jul-89
Jan-90
Jul-90
Jan-91
Jul-91
Jan-92
Jul-92
Jan-93
Jul-93
Jan-94
Jul-94
Jan-95
Jul-95
Jan-96
Jul-96
Jan-97
Jul-97
Jan-98
Jul-98
Jan-99
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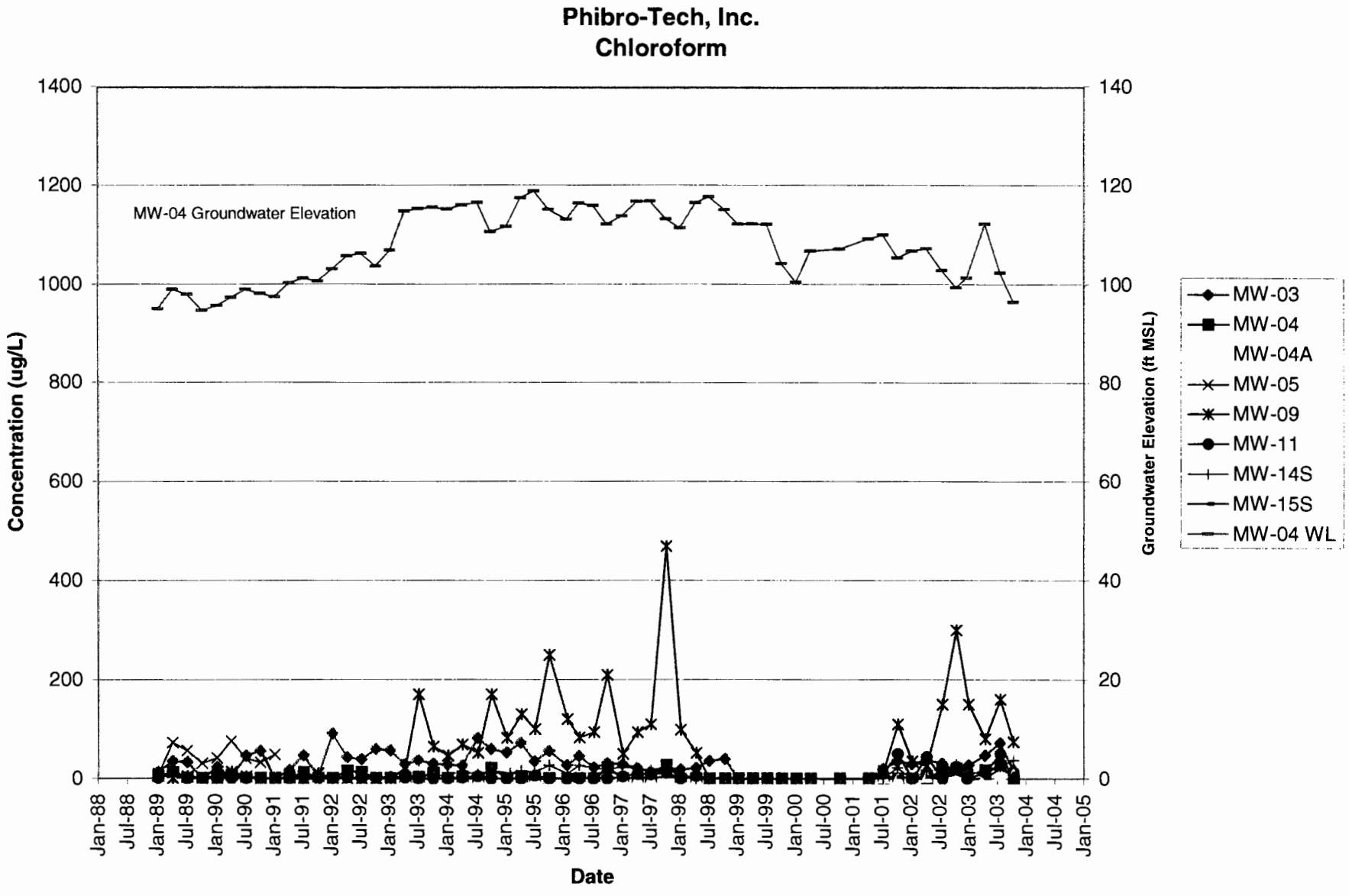
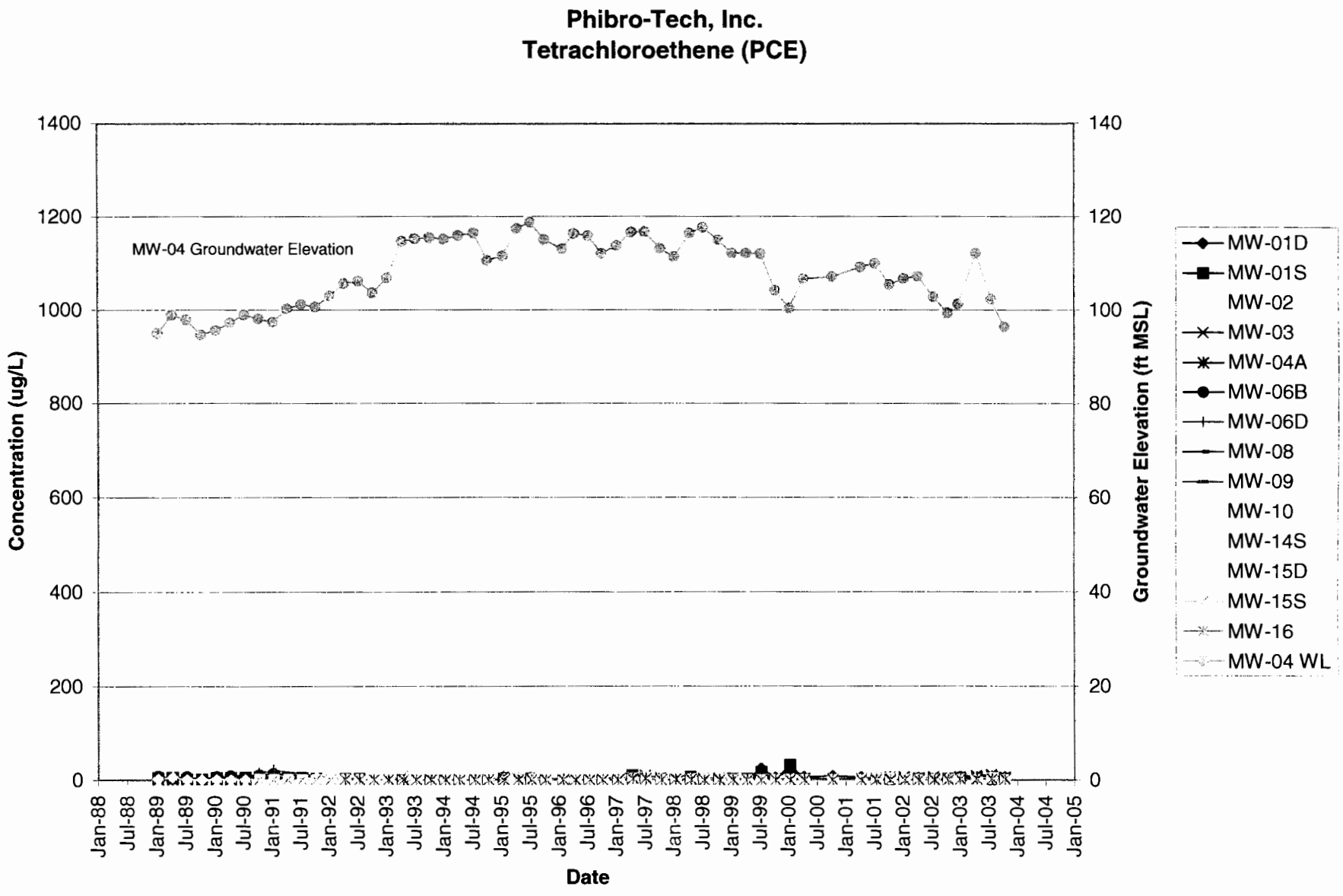
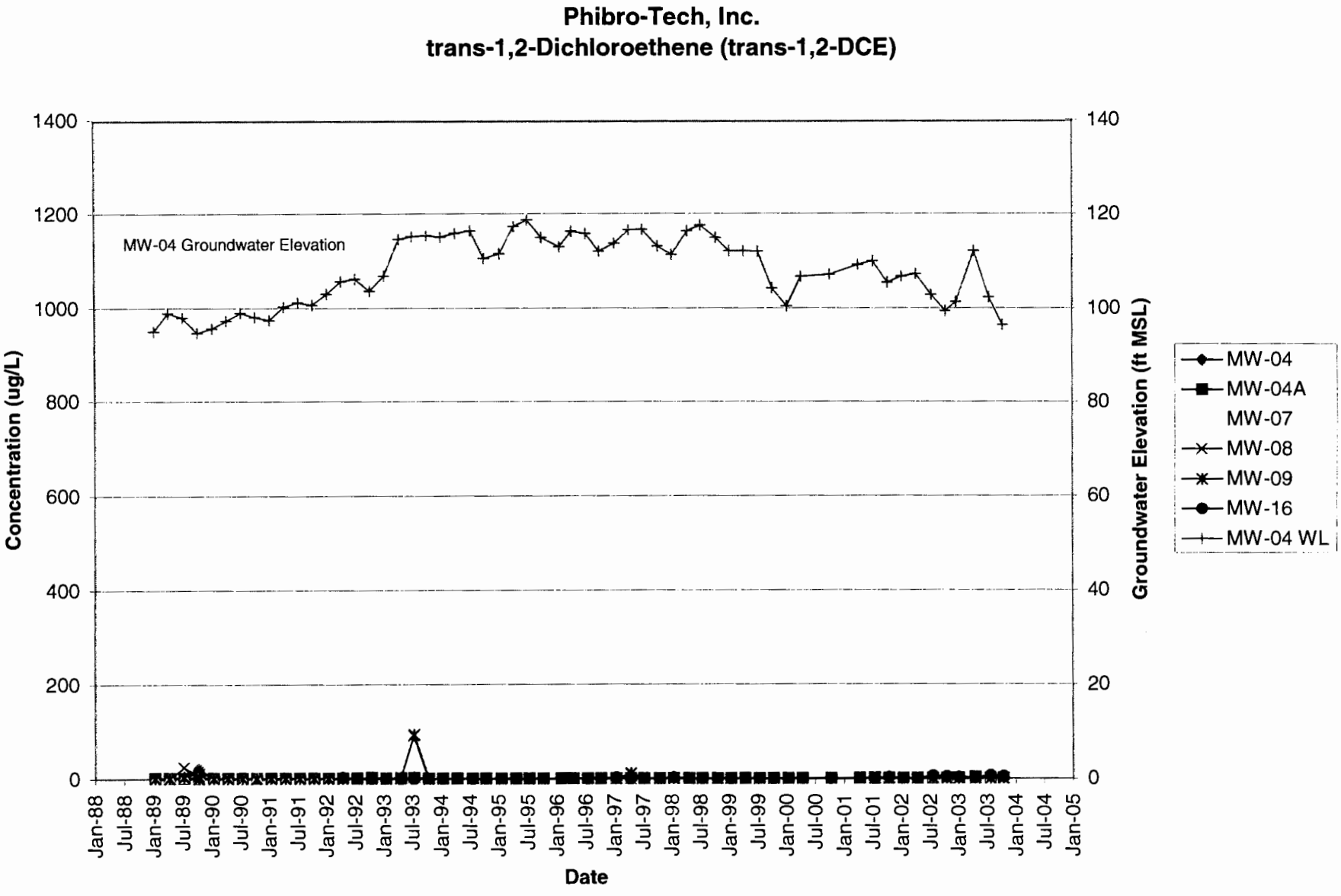
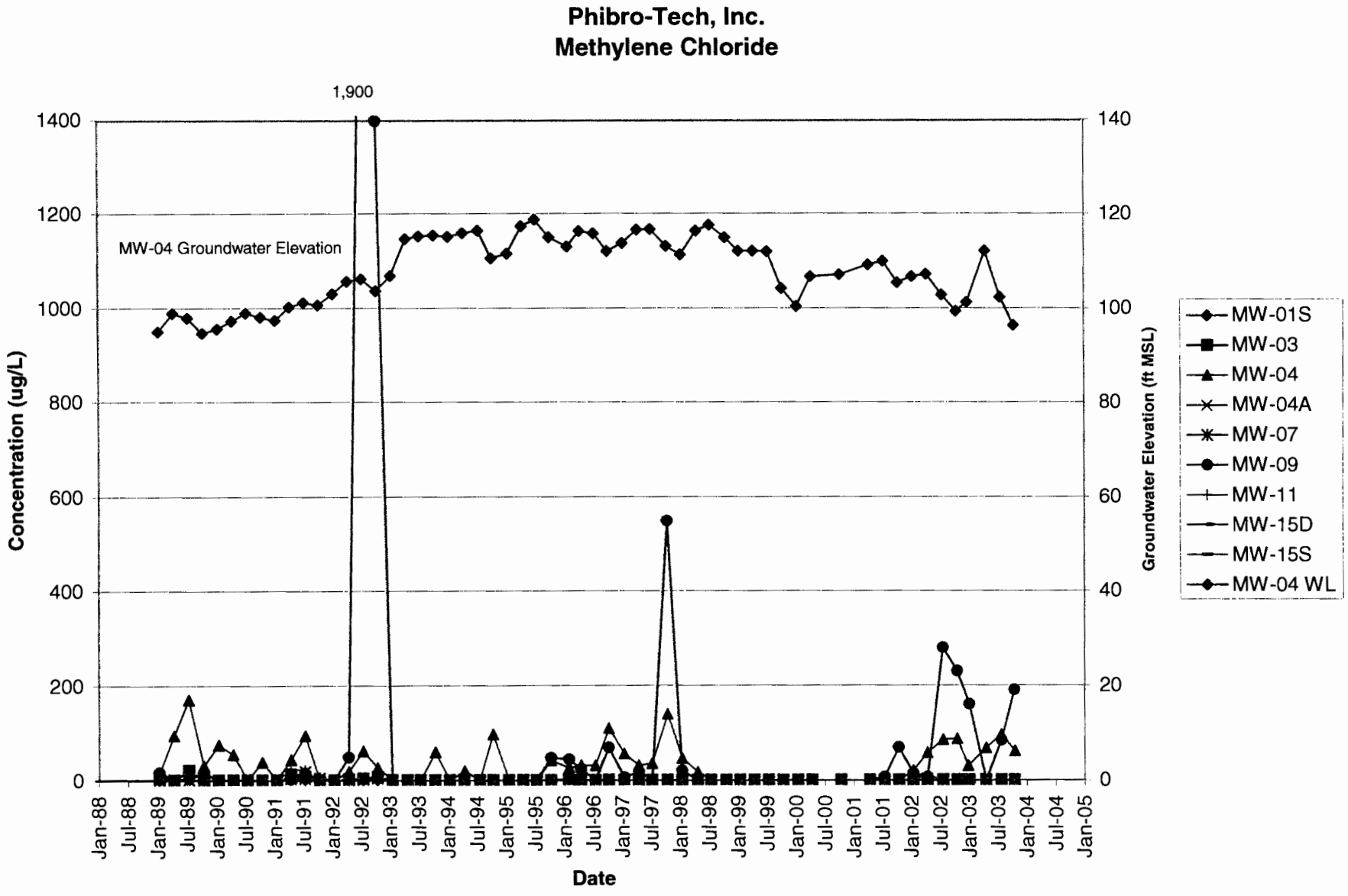
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05


Phibro-Tech, Inc.
Chloroform
MW-04 Groundwater Elevation
Concentration (ug/L)
Groundwater Elevation (ft MSL)
Date
1400
1200
1000
800
600
400
200
0
140
120
100
80
60
40
20
0
Jan-88
Jul-88
Jan-89
Jul-89
Jan-90
Jul-90
Jan-91
Jul-91
Jan-92
Jul-92
Jan-93
Jul-93
Jan-94
Jul-94
Jan-95
Jul-95
Jan-96
Jul-96
Jan-97
Jul-97
Jan-98
Jul-98
Jan-99
Jul-99
Jan-00
Jul-00
Jan-01
Jul-01
Jan-02
Jul-02
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05
MW-03
MW-04
MW-04A
MW-05
MW-09
MW-11
MW-14S
MW-15S
MW-04 WL


Phibro-Tech, Inc.
Tetrachloroethene (PCE)
MW-04 Groundwater Elevation
Concentration (ug/L)
Groundwater Elevation (ft MSL)
Date
1400
1200
1000
800
600
400
200
0
140
120
100
80
60
40
20
0
Jan-88
Jul-88
Jan-89
Jul-89
Jan-90
Jul-90
Jan-91
Jul-91
Jan-92
Jul-92
Jan-93
Jul-93
Jan-94
Jul-94
Jan-95
Jul-95
Jan-96
Jul-96
Jan-97
Jul-97
Jan-98
Jul-98
Jan-99
Jul-99
Jan-00
Jul-00
Jan-01
Jul-01
Jan-02
Jul-02
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05
MW-01D
MW-01S
MW-02
MW-03
MW-04A
MW-06B
MW-06D
MW-08
MW-09
MW-10
MW-14S
MW-15D
MW-15S
MW-16
MW-04 WL



Phibro-Tech, Inc.
trans-1,2-Dichloroethene (trans-1,2-DCE)
MW-04 Groundwater Elevation
Concentration (ug/L)
Groundwater Elevation (ft MSL)
Date
1400
1200
1000
800
600
400
200
0
140
120
100
80
60
40
20
0
Jan-88
Jul-88
Jan-89
Jul-89
Jan-90
Jul-90
Jan-91
Jul-91
Jan-92
Jul-92
Jan-93
Jul-93
Jan-94
Jul-94
Jan-95
Jul-95
Jan-96
Jul-96
Jan-97
Jul-97
Jan-98
Jul-98
Jan-99
Jul-99
Jan-00
Jul-00
Jan-01
Jul-01
Jan-02
Jul-02
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05
MW-04
MW-04A
MW-07
MW-08
MW-09
MW-16
MW-04 WL


Phibro-Tech, Inc.
Methylene Chloride
1,900
MW-04 Groundwater Elevation
Concentration (ug/L)
Groundwater Elevation (ft MSL)
Date
0
200
400
600
800
1000
1200
1400
0
20
40
60
80
100
120
140
Jan-88
Jul-88
Jan-89
Jul-89
Jan-90
Jul-90
Jan-91
Jul-91
Jan-92
Jul-92
Jan-93
Jul-93
Jan-94
Jul-94
Jan-95
Jul-95
Jan-96
Jul-96
Jan-97
Jul-97
Jan-98
Jul-98
Jan-99
Jul-99
Jan-00
Jul-00
Jan-01
Jul-01
Jan-02
Jul-02
Jan-03
Jul-03
Jan-04
Jul-04
Jan-05
MW-01S
MW-03
MW-04
MW-04A
MW-07
MW-09
MW-11
MW-15D
MW-15S
MW-04 WL