SCIENTECH

GPS

September 29, 2004
Ref. No. 31128-022

Mr. Gregory P. Sutton, P.E.
Project Manager
New York State Department of Environmental Conservation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

Subject: Annual Environmental Monitoring Report, 2003 (Rev. 1)
Leica, Inc. Site; Erie County, Cheektowaga, NY
Inactive Hazardous Waste Disposal Site No. 915156

Dear Mr. Sutton:

Enclosed you will find a revised version of the 2003 Annual Environmental Monitoring Report (Rev. 1) for groundwater monitoring activities at the referenced site which began in January of 2003 and were completed in October of 2003. This revised report includes additional information regarding vapor discharge monitoring results as you requested.

If you have any questions about the annual report, please feel free to call me at 860-210-3063.

Sincerely,
Scientech, LLC

Robert E. McPeak, Jr., P.E., LEP
Department Manager

Enclosure

cc: M. Wood (Leica)
A. Szklany (Leica)
R. Downey (Pfizer)
C. O'Conner (NYSDOH)
D. Simkowski (Leica)
G. Hollerbach (Quantum)
E. Doubleday (Scientech)

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2003 Annual Environmental Monitoring Report (Rev. 1)
Leica Inc.
Cheektowaga, New York

Prepared for:

LEICA Inc.
P.O. Box 123
Buffalo, NY 14240-0123

Prepared by:

Scientech, LLC
143 West Street
New Milford, CT 06776

September 29, 2004

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September 29, 2004

Robert E. McPeak, Jr., P.E., LEP
Department Manager

9/29/04
Date

Jeffrey Kronick
Environmental Scientist

9-29-2004
Date

Table of Contents

Appendix A

Appendix B

Appendix C

1.0 INTRODUCTION

1.1 Introduction

This "2003 Annual Environmental Monitoring Report" has been prepared to document activities performed in accordance with the Water Quality Monitoring Program for the Leica Inc. Site. The current monitoring program includes quarterly groundwater monitoring from nineteen monitoring wells and the collection of a post-treatment discharge sample from the bedrock groundwater pump and treat system. Monitoring activities were conducted in January, March, July and October 2003.

Scientech, LLC (Scientech) completed all four quarterly monitoring events. Columbia Analytical, Inc. (Columbia) of Rochester, New York, a New York state-certified laboratory, performed the laboratory analysis of the samples collected.

This annual report of environmental monitoring summarizes the 2003 analytical findings, and presents trends and exceedances of water quality standards. The report also discusses groundwater flow direction and the assessment of the water quality-monitoring program. Recommendations for modifications to the groundwater-monitoring program are also included.

1.2 Site Location

The Leica Inc. Site is located on approximately 24 acres at the intersection of Eggert Road and Sugar Road in the Town of Cheektowaga, Erie County, New York (see Appendix A, Figure 1). The west boundary of the Site abuts the eastern boundary of the City of Buffalo. The Site is located in a generally commercial/residential area and is bounded by open public land and public housing to the west, Cemetery property to the north and east and residential property to the south. The forested wetland located immediately to the east of the southern paved parking area is the only wetland area in the general vicinity of the Site.

1.3 Overview of Site Activities

The manufacturing facility on the Site was built in 1938 by the Spencer Lens Company to manufacture scientific instruments and high quality optical devices. The property has been owned and operated by various other firms manufacturing similar optical related products since 1938. The majority of the Eggert Road site was sold by Leica Inc. to Sam-Son Corporation/Calypso Development in 1993 and has since been operated as a distribution center for various consumer products.

There are three permanent buildings on the property, including the brick multi-story Main Building of approximately 360,000 square feet, a single story metal storage building of approximately 3,100 square feet, and a one story brick fire protection system pump house of 325 square feet. The Main Building was constructed in segments from 1938 to 1967. The buildings are all constructed with concrete slab on grade foundations. The remainder of the Site is either paved for parking use or landscaped.

In addition to site monitoring activities during the 2003 calendar year, Scientech also operated the bedrock groundwater pump and treat system as well as completed the excavation of contaminated soils at the Site. Groundwater was collected from monitoring wells MW-11A and MW-16A through the use of pneumatic pumps in order to control the migration of bedrock groundwater at the Site. The pumps in each of the wells collected groundwater throughout the year with brief periods of stoppage in late January into February 2003 and again in early December 2003 due to excavation and backfilling activities in the vicinity of MW-11A.

Soil excavation operations in the south parking area began in October of 2002 and were completed in May of 2003. Approximately 9,000 tons of soil were excavated and transported to the appropriate off-site solid waste landfills for disposal. Backfilling of the excavation began in January 2003 and was completed in various stages throughout the year. Backfilling of the excavation to within one foot of the original grade is scheduled for completion in the spring of 2004.

1.4 Description of Sampling Activities

Environmental monitoring included the collection and analysis of groundwater samples from twelve monitoring wells, one post-treatment discharge sample along with recording depth to groundwater measurements from seventeen monitoring wells and periodic photoionization detector (PID) readings from the air stripper vapor discharge. Depth to groundwater was measured from a known elevation (top of PVC riser pipe) in each of the monitoring wells to determine purge volumes and the direction of groundwater flow.

1.5 Local Water Quality Classifications

1.5.1 Groundwater

The groundwater beneath the Leica Inc. Site and the surrounding area is classified as Class GA fresh groundwaters. The best usage of Class GA waters is as a source of potable water supply. Groundwater is not used for a source of drinking water in the Town of Cheektowaga. The Erie County Water Authority supplies drinking water for the area from the Niagara River.

1.5.2 Surface Water

There are no significant bodies of surface water in the vicinity of the Site. There is a seasonally flooded forested wetland located immediately to the east of the southern paved parking area. Storm water run-off from the Site is collected by the municipal storm water system and conveyed to Scajaquada Creek approximately one mile south of the Site.

2.0 SAMPLING REQUIREMENTS

2.1 Monitoring Program Description

The Groundwater Monitoring Program was designed to monitor the two hydrogeologic units beneath the Site and to evaluate the groundwater quality over time, thereby assessing the effectiveness of the bedrock groundwater pump and treat system.

The existing water quality-monitoring program at the Leica Inc. Site consists of the following:

- Groundwater samples from twelve monitoring wells (including the two bedrock well pumps).
- Depth to groundwater measurements from seventeen monitoring wells.
- One post-treatment discharge sample from the bedrock groundwater pump and treat system.
- Quality assurance/quality control samples.

The monitoring wells include MW-1A, MW-2A, MW-4, MW-5, MW-5A, MW-6, MW-6A, MW-7, MW-10, MW-11, MW-11A, MW-13, MW-14, MW-14A, MW-16A, MW-16R, MW-17A and MW-22 (see Figure 2). Monitoring well MW-11 was damaged in May 2003 during soil excavation activities and is no longer part of the monitoring program.

2.2 Overview of the Sampling Procedures

Samples are collected using methods designed to limit the potential for artificial introduction of contamination to the samples or to the sampling equipment, and to provide samples representative of the aquifer. All samples collected were analyzed for Volatile Organic Compounds (VOCs) using EPA method 8260.

Prior to sampling, the depth to the groundwater from the top of each well was measured and recorded (see Table 1). Three well volumes were purged from each well prior to sample collection to provide groundwater samples that are representative of the aquifer. In each well, a new disposable polyethylene bailer and new polyethylene cord was used for purging and sampling. If the monitoring well went dry before the required three well volumes were removed, the well was sampled following sufficient recovery of groundwater. In some instances, there was not sufficient recovery and no sample was collected. Personnel used disposable latex gloves for each sample that was collected, to avoid cross contamination of the samples.

The presence of pumps in monitoring wells MW-11A and MW-16A prohibits the use of normal sampling techniques. These samples are collected from two separate three eights inch ports each with a valve in the treatment system piping inside the treatment trailer.

The water effluent sample for the wastewater treatment system was collected from a port on the four inch discharge line on the down stream side of the MSD air stripping treatment unit. The air influent sample, collected before vapor discharges from the air stripper enter the carbon canisters

was collected from a three eights inch opening in the discharge line using a PID with the draw tube at the edge of the opening. The air effluent sample was collected using a PID at the end of the discharge line coming out of the carbon canister.

A Quality Assurance/Quality Control (QA/QC) Trip Blank sample was provided during each sampling event to assess the quality of the data collected. Columbia Analytical of Rochester, New York picked up the samples collected for analysis.

3.0 SAMPLING RESULTS

3.1 Condition of Monitoring Wells

All of the monitoring wells in 2003 were in satisfactory condition with the exception of MW-7 and MW-11. Both wells were damaged during remediation and excavation activities conducted at the Site from October 2002 until May 2003. The protective manhole and cap was removed from MW-7 while MW-11 was completely removed during the excavation of contaminated soils in the vicinity of the monitoring well. Repairs to several manholes and caps, including MW-7, are scheduled for the spring of 2004.

3.2 Groundwater Elevation Monitoring

During each quarter, depth-to-water measurements were taken in seventeen monitoring wells using an electronic water level indicator prior to well purging and sample collection. The instrument was rinsed with deionized water prior to each measurement. The groundwater elevations for all four quarters were calculated and are presented in Appendix B, Tables 1-4.

Based on information collected during the four 2003 sampling events, groundwater flow appears to be relatively consistent, following historical trends in the overburden and bedrock aquifers with the groundwater in the overburden flowing in a south, southeast direction and groundwater in the bedrock flowing in a northeast direction in the north parking area. The bedrock aquifer in the south parking area flows from the southwest and the northeast into a valley that appears to flow toward the southeast corner of the Site. The groundwater elevation contours for January, May, July and October 2003 in the overburden and bedrock aquifers are illustrated as Figures 3-10, all-inclusive.

3.3 Groundwater Quality Exceedances and Trends

The assessment of the groundwater quality discussed in this report is based on a comparison of the data collected with relevant Remedial Action Objectives (RAOs) for water quality at the Site. The RAOs for water quality pertaining to VOCs were established in the Record of Decision (ROD) and are included in the data summary table (see Appendix B, Table 5).

MW-4 – is an overburden well located in the eastern end of the south parking area approximately 20 feet from the property line. This well has been directly affected by the remediation activities in the south parking area. Contaminated soil was excavated around the well to approximately five feet deep with soils just south of the well excavated down to bedrock. Concentrations of cis-1,2-dichloroethene and vinyl chloride were detected above the RAOs for each quarter sampled but have shown a significant decline in 2003. Total VOCs in the fourth quarter were detected at the lowest concentration (390 ug/l) in more than three years.

MW-6 – is an overburden well located approximately 50 feet from the southeast corner of the main building. This well has been directly affected by the remediation activities in the south parking area. Soils adjacent to the well were excavated from five to twelve feet deep and have been replaced with clean backfill material. Consequently, it has become difficult to collect samples from this well due to insufficient recovery during purging. Samples were only collected during the January and March sampling events and both contained concentrations of cis-1,2-dichloroethene and trichloroethene above the RAOs at concentrations consistent with previous sample data.

MW-6A – is a bedrock well located approximately 75 feet from the southeast corner of the main building. This well has been directly affected by the remediation activities in the south parking area. Soils adjacent to the well were excavated from five to twelve feet deep and have been replaced with clean backfill. Concentrations of cis-1,2-dichloroethene, trans-1,2-dichloroethene and vinyl chloride were detected above the RAOs for each quarter sampled in 2003. The concentrations have fluctuated throughout the year, possibly as a result of the excavation and backfilling in the vicinity of the well; however, they have consistently been lower than concentrations in the past.

MW-7 – is an overburden well located approximately 125 feet due east from the southeast corner of the main building. This well has been directly affected by the remediation activities in the south parking area. Soils to the south of the well were excavated from five to nine feet deep and have been replaced with clean backfill. Similar to MW-6, it has become difficult to collect samples from this well due to insufficient recovery during purging. Samples were only collected during the January and March sampling events and both contained concentrations of cis-1,2-dichloroethene and trichloroethene at or above the RAOs at concentrations consistent with previous sample data.

MW-10 – is an overburden well located at the eastern end of the south parking area adjacent to the property line. This well has been directly affected by the remediation activities in the south parking area. Soils to the west of the well were excavated from five feet deep down to bedrock and have been replaced with clean backfill. Concentrations of cis-1,2-dichloroethene, vinyl chloride and total VOCs in the fourth quarter were detected at the highest levels in more than two years. The increase in contaminant concentrations may be attributed to the excavation and backfilling of material in the vicinity of the well.

MW-11 – was located at the eastern end of the south parking area, adjacent to MW-11A. MW-11 was removed during excavation activities in May 2003 and is no longer part of the monitoring

program. Prior to the removal of the MW-11, concentrations of cis-1,2-dichloroethene, vinyl chloride and total VOCs in the second quarter were detected at the highest levels in three years. The increase in contaminant concentrations may be attributed to the excavation and backfilling of material adjacent to the well.

MW-11A – is a bedrock well and contains one of the two bedrock well pumps. The pneumatic pump removes approximately seven to ten gallons per minute of groundwater and pumps it to the site trailers for treatment prior to discharge. Samples from MW-11A are collected in the treatment trailers from a sampling port prior to treatment. Soils around the well were excavated to approximately five feet deep. Concentrations of cis-1,2-dichloroethene and vinyl chloride were detected above the RAOs during the second, third and fourth quarters, but have shown positive reductions in 2003. During the fourth quarter, vinyl chloride and total VOCs were detected at the lowest concentrations in three years.

MW-14 – is an overburden well located in the wetland area east of the south parking area approximately 75 feet from the southeast corner of the property. Concentrations of cis-1,2-dichloroethene and vinyl chloride were detected above the RAOs for each quarter sampled in 2003. The concentrations have fluctuated throughout the year, possibly as a result of the excavation and backfilling to the west of the well; but have been consistent with previous data.

MW-14A – is a bedrock well located in the wetland area east of the south parking area approximately 75 feet from the southeast corner of the property. Concentrations of cis-1,2-dichloroethene and vinyl chloride were detected above the RAOs for each quarter sampled in 2003 but have shown significant reductions throughout the year with fourth quarter concentrations slightly above the RAOs.

MW-16A – is a bedrock well in the north parking area adjacent to the main loading dock and contains one of the two bedrock well pumps. The pneumatic pump removes approximately seven to ten gallons per minute of groundwater and pumps it to the site trailers for treatment prior to discharge. Samples from MW-16A are collected in the treatment trailers from a sampling port prior to treatment. Cis-1,2-dichloroethene, 1,1,1-trichloroethane, trichloroethene and vinyl chloride were detected above the RAOs for each quarter sampled in 2003 at concentrations consistent with previous data.

MW-16R – is an overburden well located adjacent MW-16A in the north parking area near the main loading dock. Concentrations of cis-1,2-dichloroethene, 1,1,1-trichloroethane, trichloroethene and xylenes were detected above the RAOs in first and second quarters of 2003. The subsequent two quarters showed a decrease in 1,1,1-trichloroethane and xylenes while cis-1,2-dichloroethene showed an increase in concentration from the third quarter to the fourth quarter.

MW-22 – is a downgradient overburden well located in the southern end of the wetland area near Rowan Road. No VOCs were detected in MW-22 until the fourth quarter of 2003 when vinyl chloride was detected slightly above the RAO of 5 ug/l at 5.7 ug/l. This initial presence of

vinyl chloride could be a result of the excavation and backfilling activities to the northwest of MW-22.

Groundwater treatment effluent – the groundwater removed from MW-11A and MW-16A by the pneumatic pump in each is sampled in the site trailers before treatment. One effluent sample is also collected. Concentrations of cis-1,2-dichloroethene and vinyl chloride were detected above the Buffalo Sewer Authority (BSA) discharge limits in the effluent sample in the second quarter but sample results from the third and fourth quarters showed significant contaminant reductions with no concentrations above the discharge limits. The increase in contaminant concentrations in the second quarter may be attributed to the time period in late January into February 2003 in which the bedrock groundwater pumps were not operating. The bedrock groundwater pump system was repaired and started again in late February.

Treatment system air discharges were sampled twice during 2003, once in July and once in October. Inlet and outlet concentrations measured by the PID in July were 2.3 ppm and 1.9 ppm respectively. Inlet and outlet concentrations measured by the PID in October were 62 ppm and 37 ppm respectively. Based on the elevated inlet concentrations detected to date, these October readings are most probably inaccurately high due to moisture interference. Succeeding readings in February of 2004 were once again less than 2 ppm.

3.4 Summary of 2003 Groundwater Data

The overall groundwater quality at the Leica Inc. Site has shown significant improvement over the four sampling quarters in 2003. The excavation of the contaminated soils that impacted the groundwater quality in the southern portion of the Site was completed in May 2003. The removal of the source material followed by backfilling with clean material along with the bedrock groundwater pump and treat system had a positive effect on groundwater quality throughout the Site. With the exception of MW-10, all of the monitoring wells sampled at the Site showed reductions in contaminant concentrations from one sampling quarter to the next at some point in 2003.

Any fluctuation of VOC concentrations in monitoring wells located in the southern portion of the Site are likely due to the excavation and backfilling activities that occurred in the area. The continued presence of VOC concentrations in the vicinity of MW-16R and MW-16A may be a result of a temporary rebound effect following discontinuation of the SVE system in the north parking area near the main loading dock along with the continued degradation of 1,1,1-trichloroethane and trichloroethene. Contaminant concentration isopleths for vinyl chloride and cis-1,2-dichloroethene in the overburden and bedrock aquifers in each quarter are illustrated as Figures 11-18, all-inclusive.

Scientech will continue to monitor the groundwater quality at the Site in 2004. Now that the source material has been removed and following completion of backfilling activities in the spring of 2004, we anticipate contaminant concentrations will continue to decline.

4.0 QUALITY CONTROL/QUALITY ASSURANCE SAMPLE RESULTS

Quality assurance/quality control (QA/QC) samples were collected during each of the quarterly events included a Trip Blank.

A trip blank was used to evaluate whether the laboratory reagent water was contaminant free, and if any contamination from volatile organic compounds was introduced into the samples during the field sampling or sample transportation activities. Laboratory reagent water and hydrochloric acid preservative were used for the trip blank, and prepared by the laboratory prior to the sampling event. The trip blank was delivered to Scientech from the laboratory with the sample containers, and was taken to the field. The trip blank was returned to the laboratory for analysis with the samples. There were no detectable concentrations of VOCs identified in the trip blanks analyzed during each of the quarterly events.

5.0 RECOMMENDATIONS

Scientech recommends that the groundwater monitoring continue at the site along with continued operation and maintenance of the groundwater collection and treatment system. It is proposed that the monitoring and groundwater system remain in operation through the 2004 calendar year with the final sampling round for the year being performed in November 2004. Following completion of this additional year of monitoring and system operation, Scientech will assess available data and once again provide recommendations regarding the need, if any, for continued monitoring and system operation beyond 2004.

Based on the current site status (post soil removal), groundwater sampling data and anticipated concentration reductions during this 2004 year, it is our current expectation that by November of 2004 the data will justify discontinuation of the groundwater remediation system operation. Our position for expected discontinuance of the groundwater remediation system at the end of 2004 is based on, among other factors;

a) the completion of the soil removal activities completed in 2003 and up through, and including, January, 2004
b) the related completion of the backfill operations in Q1 2004,
c) the continued operation of the collection and treatment system in 2004
d) the anticipated concentration reductions as supported by our 2004 sampling results

Appendix B

Tables

Prepared by:MGB
Date: 2/03
Checked by:JK
Date: 7/03

SCIENTECH, Inc.

Table 1
Summary of Groundwater Monitoring Well Measurements
January 20, 2003
LEICA Inc.

Well Number	Depth to Water (ft.)	Depth to Bottom (ft.)	Top of PVC Elevation (ft.)	Water Column (ft.)	Well ID (inches)	One Well Volume (gal.)	Water Elevation (ft.)
MW-1A	15.93	39.40	663.48	23.47	4	15.33	647.55
MW-2A	Not measured, inside well cover filled with ice						
MW-4	8.93	11.93	655.57	3.00	2	0.49	646.64
MW-5	6.90	11.11	654.8	4.21	2	0.69	647.90
MW-5A	6.66	39.02	654.84	32.36	4	21.13	648.18
MW-6	11.92	14.80	660.84	2.88	2	0.47	648.92
MW-6A	13.12	19.88	659.38	6.76	4	4.41	646.26
MW-7	9.90	12.30	658.21	2.4	2	0.39	648.31
MW-8 [1]	Removed during excavation						
MW-9	8.16	59.41	654.99	51.25	4	33.47	646.83
MW-10	6.40	9.93	655.48	3.53	2	0.58	649.08
MW-11 [1]	9.42	11.85	656.08	2.43	2	0.40	646.66
MW-13A	7.48	45.07	654.66	37.59	4	24.55	647.18
MW-14	5.03	10.52	653.38	5.49	2	0.89	648.35
MW-14A	8.05	34.26	653.7	26.21	4	17.12	645.65
MW-15A [2]	Filled with gravel						
MW-16R [3]	9.06	11.97	660.04	2.91	2	0.47	650.98
MW-17A	Not measured, well burried under snow						
MW-22	4.85	10.04	652.51	5.19	2	0.85	647.66

Notes

1 Monitoring well MW-8 was removed during excavation in Area C
2 Monitoring well 15A accidently filled with gravel during the construction of soil treatment pile.
3 Monitoring well MW-16R installed to replace MW-16

Prepared by:MGB
Date: 4/03
Checked by:REM
Date: 4/30/03

SCIENTECH, Inc.

Table 2
Summary of Groundwater Monitoring Well Measurements
March 26, 2003
LEICA Inc.

Well Number	Depth to Water (ft.)	Depth to Bottom (ft.)	Top of PVC Elevation (ft.)	Water Column (ft.)	Well ID (inches)	One Well Volume (gal.)	Water Elevation (ft.)
MW-1A	12.78	39.40	663.48	26.62	4	17.38	650.7
MW-2A	7.19	29.40	657.02	22.21	4	14.50	649.83
MW-4	6.36	11.93	655.57	5.57	2	0.91	649.21
MW-5	4.85	11.11	654.8	6.26	2	1.02	649.95
MW-5A	5.26	39.02	654.84	33.76	4	22.05	649.58
MW-6	9.00	14.80	660.84	5.8	2	0.95	651.84
MW-6A	10.54	19.88	659.38	9.34	4	6.10	648.84
MW-7	7.54	12.30	658.21	4.76	2	0.78	650.67
MW-8 [1]	Removed during excavation						
MW-9	5.8	59.41	654.99	53.61	4	35.01	649.19
MW-10	4.25	9.93	655.48	5.68	2	0.93	651.23
MW-11 [1]	7.03	11.85	656.08	4.82	2	0.79	649.05
MW-13A	5.15	45.07	654.66	39.92	4	26.07	649.51
MW-14	1.68	10.52	653.38	8.84	2	1.44	651.70
MW-14A	5.41	34.26	653.7	28.85	4	18.84	648.29
MW-15A [2]	Filled with gravel						
MW-16R [3]	8.75	11.97	660.04	3.22	2	0.52	651.29
MW-17A	2.71	40.00	659.18	37.29	4	24.35	656.47
MW-22	3.95	10.04	652.51	6.09	2	0.99	648.56

Notes

1 Monitoring well MW-8 was removed during excavation in Area C
2 Monitoring well 15A accidently filled with gravel during the construction of soil treatment pile.
3 Monitoring well MW-16R installed to replace MW-16

Prepared by:JK
Date: 7/23/03
Checked by:DT
Date: 8/03

SCIENTECH, Inc.

Table 3
Summary of Groundwater Monitoring Well Measurements
July 10, 2003
LEICA Inc.

Well Number	Depth to Water (ft.)	Depth to Bottom (ft.)	Top of PVC Elevation (ft.)	Water Column (ft.)	Well ID (inches)	One Well Volume (gal.)	Water Elevation (ft.)
MW-1A	17.60	39.40	663.48	21.8	4	14.24	645.88
MW-2A	11.02	29.40	657.02	18.38	4	12.00	646.00
MW-4	10.82	11.93	655.57	1.11	2	0.18	644.75
MW-5	8.65	11.11	654.8	2.46	2	0.40	646.15
MW-5A	8.70	39.02	654.84	30.32	4	19.80	646.14
MW-6	14.55	14.80	660.84	0.25	2	0.04	646.29
MW-6A	14.62	19.88	659.38	5.26	4	3.43	644.76
MW-7	11.80	12.30	658.21	0.5	2	0.08	646.41
MW-8 [1]	Removed during excavation						
MW-9	9.15	59.41	654.99	50.26	4	32.82	645.84
MW-10	9.85	9.93	655.48	0.08	2	0.01	645.63
MW-11 [1]	Removed during excavation						
MW-13A	9.14	45.07	654.66	35.93	4	23.46	645.52
MW-14	7.81	10.52	653.38	2.71	2	0.44	645.57
MW-14A	9.20	34.26	653.7	25.06	4	16.36	644.50
MW-15A [2]	Filled with gravel						
MW-16R [3]	9.06	11.97	660.04	2.91	2	0.47	650.98
MW-17A	5.62	40.00	659.18	34.38	4	22.45	653.56
MW-22	7.45	10.04	652.51	2.59	2	0.42	645.06

Notes

1 Monitoring wells MW-8 and MW-11 were removed during excavation in Area C
2 Monitoring well 15A accidently filled with gravel during the construction of soil treatment pile.
3 Monitoring well MW-16R installed to replace MW-16

Prepared by:JK
Date: 7/23/03
Checked by:CV
Date: 12/8/03

SCIENTECH, Inc.

Table 4
Summary of Groundwater Monitoring Well Measurements
October 21, 2003
LEICA Inc.

Well Number	Depth to Water (ft.)	Depth to Bottom (ft.)	Top of PVC Elevation (ft.)	Water Column (ft.)	Well ID (inches)	One Well Volume (gal.)	Water Elevation (ft.)
MW-1A	17.54	39.40	663.48	21.86	4	14.27	645.94
MW-2A	11.94	29.40	657.02	17.46	4	11.40	645.08
MW-4	7.50	11.93	655.57	4.43	2	0.72	648.07
MW-5	8.33	11.11	654.8	2.78	2	0.45	646.47
MW-5A	8.16	39.02	654.84	30.86	4	20.15	646.68
MW-6	14.35	14.80	660.84	0.45	2	0.07	646.49
MW-6A	14.69	19.88	659.38	5.19	4	3.39	644.69
MW-7	11.94	12.30	658.21	0.36	2	0.06	646.27
MW-8 [1]	Removed during excavation						
MW-9	9.89	59.41	654.99	49.52	4	32.34	645.10
MW-10	6.93	9.93	655.48	3	2	0.49	648.55
MW-11 [1]	Removed during excavation						
MW-13A	9.57	45.07	654.66	35.5	4	23.18	645.09
MW-14	9.60	10.52	653.38	0.92	2	0.15	643.78
MW-14A	9.89	34.26	653.7	24.37	4	15.91	643.81
MW-15A [2]	Filled with gravel						
MW-16R [3]	8.93	11.97	660.04	3.04	2	0.50	651.11
MW-17A	5.84	40.00	659.18	34.16	4	22.31	653.34
MW-22	8.01	10.04	652.51	2.03	2	0.33	644.50

Notes

1 Monitoring wells MW-8 and MW-11 were removed during excavation in Area C
2 Monitoring well 15A accidently filled with gravel during the construction of soil treatment pile.
3 Monitoring well MW-16R installed to replace MW-16

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-4												
Sample Collection Date:					Base	Jun-22-00	Aug-21-00	Nov-30-00	Dec-19-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:					1,000.00	4.00	2.00	2.00	1.00	5.00	1.00	5.00	NA	1 or 20	10.00	NA	2.00
Volatile Organic Compounds (ug/l)																	
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
cis-1,2-dichloroethene	156592	5.0	5	205	**110,000**	**460**	**280**	**940**	490E	**580**	**190**	**480**	NCD	**2,200**	**1,700**	NCD	**260**
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	ND	ND	ND	ND	2 2	ND	NCD	**26**	ND	NCD	ND
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
ethylbenzene	100414	5.0	5	1,364	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
toluene	108883	5.0	5	680	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
1,1,1-trichloroethane	71556	5.0	5	1,15e	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
trichloroethene	79016	5.0	5	712	**41,000**	**130**	**200**	**120**	**49**	**62**	**24**	**36**	NCD	**70**	ND	NCD	ND
vinyl chloride	75014	5.0	5	3	ND	**27**	ND	**25**	**6**	ND	ND	ND	NCD	**340**	**570**	NCD	**130**
o-xylene	95476	5.0	5	2,080	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
m+p xylene	108383/106423	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND
TOTAL VOCs					151,000	617	480	1,085	545	642	216 2	516	NCD	2,636	2,270	NCD	390

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits
ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled
Well MW-15A was filled with graval and is no longer sampled.

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-6													
Sample Collection Date:					Base	Mar-29-00	Mar-29-00	Jun-22-00	Mar-27-01	Jun-13-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:					10.00	1.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	NA	1.00	1.00	NA	NA
Volatile Organic Compounds (ug/l)																		
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
cis-1,2-dichloroethene	156592	5.0	5	2[illegible]	1,200	450E	420	190	48	60	41	44	42	NCD	53	53	NCD	NCD
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	NCD	ND	ND	NCD	NCD
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
ethylbenzene	100414	5.0	5	1,584	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
methylene chloride	75092	5.0	-	2,082	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
toluene	108883	5.0	5	6be	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1,1-trichloroethane	71556	5.0	5	1,550	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
trichloroethene	79016	5.0	5	7[illegible]	ND	61	63	34	11	18	14	17	15	NCD	18	16	NCD	NCD
vinyl chloride	75014	5.0	5	3	120	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
o-xylene	95476	5.0	5	2,080	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
m+p xylene	108383/106423	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
TOTAL VOCs					1,320	511	483	224	59	78	55	62.2	57	NCD	71	69	NCD	NCD

NOTES:
Base = Baseline sample collected 12/14/99
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ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled
Well MW-15A was filled with gravel and is no longer sampled

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-6A (Deep Well)													
Sample Collection Date:					Base	Jun-22-00	Mar-27-01	Jun-13-01	Jun-13-01	Sep-28-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:					20.00	2.50	5.00	5.00	10.00		5.00	5.00	10.00	5.00	2.00	2.00	2.00	2.00
Volatile Organic Compounds (ug/l)																		
acetone	67641	20	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachlonde	56235	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	316	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	NCD	ND	5.2	ND	ND	ND	12	ND	ND
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	5	285	**3,900**	**380**	**780**	1400 E	**1,400**	NCD	**460**	**590**	**930**	**950**	**250**	**410**	**310**	**380**
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	**34**	**40**	ND	NCD	ND	**26**	ND	**45**	**11**	**17**	**11**	**19**
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5.0	5	1,564	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5.0	5	686	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	5	1,560	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5.0	5	712	ND	ND	ND	ND	ND	NCD	ND	**8**	ND	ND	ND	**19**	ND	ND
vinyl chloride	75014	5.0	5	3	**240**	ND	**230**	**690**	**750**	NCD	**230**	**290**	**140**	**820**	**65**	**260**	**92**	**120**
o-xylene	95476	5.0	5	2,080	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	5	total	**120**	ND	ND	ND	ND	NCD	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs					4,260	380	1,044	>2130	2,150	NCD	690	918.8	1,070	1,815	326	718	413	519

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits
ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-7										
Sample Collection Date:					Base	Mar-29-00	Mar-29-00	Jun-13-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:					10.00	1.00	2.50	1.00	1.00	1.00	NA	1.00	1.00	NA	NA
Volatile Organic Compounds (ug/l)															
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
benzene	71432	5.0	-	142	140	8.7	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	7	ND	NCD	ND	ND	NCD	NCD
cis-1,2-dichloroethene	156592	5.0	5	285	**900**	330E	**310**	**160**	**52**	**23**	NCD	**43**	**27**	NCD	NCD
trans-1,2-dichloroethene	156605	5.0	5	total	**64**	**8.6**	ND	ND	**22**	ND	NCD	ND	ND	NCD	NCD
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
ethylbenzene	100414	5.0	5	1,584	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
toluene	108883	5.0	5	680	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1,1-trichloroethane	71556	5.0	5	7,920	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	NCD
trichloroethene	79016	5.0	5	712	ND	**10**	ND	**12**	**12**	ND	NCD	**6**	**5**	NCD	NCD
vinyl chloride	75014	5.0	5	3	**1,600**	**8**	ND	ND	**56**	ND	NCD	ND	ND	NCD	NCD
o-xylene	95476	5.0	5	1,080	ND	**19**	**18**	ND	ND	ND	NCD	ND	ND	NCD	NCD
m+p xylene	108383/106423	5.0	5	total	ND	**29**	**29**	ND	ND	ND	NCD	ND	ND	NCD	NCD
TOTAL VOCs					2,704	413.1	357	172	149	23	NCD	49	32	NCD	NCD

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits
ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-10													
Sample Collection Date:					Base	Mar-27-01[1]	Jun-13-01	Jun-13-01	Dec-19-01	Mar-20-02	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03	Oct-21-03
Dilution:					100.0	50.00	2.00	10.00	1.00	1.00	2.00	1.00	NA	2.00	2.00	NA	2.00	10.00
Volatile Organic Compounds (ug/l)																		
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
cerbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
cis-1,2-dichloroethene	156592	5.0	5	286	**16,000**	**6,300**	450 E	**460**	**96**	220E	**220**	**160**	NCD	**210**	**360**	NCD	1,500 E	**1,600**
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	ND	ND	ND	2.8	2.7	ND	NCD	ND	ND	NCD	13	ND
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
ethylbenzene	100414	5.0	5	1,584	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
methylene chlonde	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
toluene	108883	5.0	5	680	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
1,1,1-trichloroethane	71556	5.0	5	1,550	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
trichloroethene	79016	5.0	5	712	ND	**1,500**	460 E	**470**	**30**	**47**	**48**	**57**	NCD	**78**	**130**	NCD	ND	ND
vinyl chloride	75014	5.0	5	3	**5,800**	ND	**27**	ND	ND	ND	ND	ND	NCD	ND	**21**	NCD	**110**	**110**
o-xylene	95476	5.0	5	1,080	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
m+p xylene	108383/106423	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	NCD	ND	ND
TOTAL VOCs					21,800	7,800	937	930	126	269.8	270.7	217	NCD	288	511	NCD	123	1,710

NOTES:
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ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled
Well MW-15A was filled with gravel and is no longer sampled

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-11 (Well removed during excavation on May 18, 2003)											
Sample Collection Date:					Jun-22-00	Aug-21-00	Nov-30-00	Mar-27-01[1]	Jun-13-01	Dec-19-01	Mar-20-02	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03
Dilution:					5or20	10.00	2.50	10.00	10.00	5.00	5.00	10.00	2.00	NA	20.00	25.00
Volatile Organic Compounds (ug/l)																
acetone	67641	20	-	-	110	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
cis-1,2-dichloroethene	156592	5.0	5	285	1,200	500	440	450	1,300	900	1200E	990	300	NCD	2,900	4,200
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	ND	ND	ND	ND	9.8	ND	ND	NCD	ND	ND
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
ethylbenzene	100414	5.0	5	1,584	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
tetrachloroethene	127184	5.0	-	287	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
toluene	108883	5.0	5	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
1,1,1-trichloroethane	71556	5.0	5	1,550	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND
trichloroethene	79016	5.0	5	712	2,100	1,200	260	990	1200	140	150	130	51	NCD	ND	ND
vinyl chloride	75014	5.0	5	3	ND	ND	21	ND	ND	140	28	ND	10	NCD	ND	150
o-xylene	95476	5.0	5	2,080	28	ND	ND	ND	ND	140	ND	ND	ND	NCD	ND	ND
m+p xylene	108383/106423	5.0	5	total	27	ND	ND	ND	ND	140	ND	ND	ND	NCD	ND	ND
TOTAL VOCs					3,465	1,700	721	1,440	2,500	1,460	1,387.8	1,120	361	NCD	2,900	4,350

NOTES:
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ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-11A (Deep Well)													
Sample Collection Date:					Mar-29-00	Jun-22-00	Nov-30-00	Mar-27-01	Jun-13-01	Sep-28-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:					100.00	25.00	10.00	10.00	10.00	5.00	5.00	5.00	5.00	2.50	NA	5.00	2.50	2.50
Volatile Organic Compounds (ug/l)																		
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
carbon tetrachlonde	56235	5 0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
chloroform	67663	5 0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
1,2-dichloroethane	107062	5 0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	5	265	13,000	3,000	1,400	1,100	1,000	600	830	610	420	250	NSPD	550	320	340
trans-1,2-dichloroethena	156605	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	NSPD	14	ND	ND
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
ethylbenzene	100414	5.0	5	1,584	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
tetrachloroethene	127184	5 0	-	267	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
toluene	108883	5.0	5	665	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
1,1,1-trichloroethane	71556	5 0	5	1,550	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
1,1,2-trichloroethane	79005	5 0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
trichloroethene	79016	5.0	5	712	ND	ND	72	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
vinyl chloride	75014	5.0	5	3	9,000	1,800	960	660	1,000	580	820	820	580	340	NSPD	710	170	38
o-xylene	95476	5.0	5	2,080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
m+p xylene	108383/106423	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
TOTAL VOCs					22,000	4,800	2,432	1,760	2,000	1,180	1,650	1,449	1,000	590	NSPD	1,274	490	378

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1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:JK
Date:11/17/03
Checked by:CV
Date:12/8/03

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

SCIENTECH, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-14																	
Sample Collection Date:					Base	Mar-29-00	Mar-29-00	Jun-22-00	Aug-21-00	Nov-30-00	Mar-27-01	Jun-13-01	Jun-13-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	March-27-03	Jul-11-03	Jul-11-03	Oct-21-03
Dilution:					2.00	2.50	1.00	2.00	2.00	2.50	2.00	2.00	5.00	2.00	2.00	2.00	NA	2.00	1.00	1.00	2.50	NA
Volatile Organic Compounds (ug/l)																						
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
cis-1,2-dichloroethene	156592	5.0	5	285	360	360	390E	390	290	440	360	430 E	410	350	340	390	NCD	310	160	320 E	280	NCD
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	6.5	ND	ND	ND	ND	ND	ND	ND	9.2	ND	NCD	ND	ND	ND	ND	NCD
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
ethylbenzene	100414	5.0	5	1,584	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
toluene	108883	5.0	5	659	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
1,1,1-trichloroethane	71556	5.0	5	1,550	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
trichloroethene	79016	5.0	5	712	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
vinyl chloride	75014	5.0	5	3	150	170	170	140	77	160	30	62	44	36	26	40	NCD	62	37	140	110	NCD
o-xylene	95476	5.0	5	2,080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
m+p xylene	108383/106423	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND	NCD
TOTAL VOCs					510	530	510	530	367	600	390	>492	454	386	375.2	430	NCD	372	197	140	390	NCD

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits
ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Prepared by:JK
Date:11/17/03
Checked by:CV
Date.12/8/03

SCIENTECH, Inc.

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-14A (Deep Well)													
Sample Collection Date:					Base	Jun-22-00	Mar-27-01	Jun-13-01	Jun-13-01	Sep-28-01	Dec-19-01	Mar-27-02	Jun-25-02	Sept-19-02	Jan-20-03	March-27-03	Jul-11-03	Oct-21-03
Dilution:					1.00	2.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00	1.00	1.00		1.00	1.00
Volatile Organic Compounds (ug/l)																		
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	-	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	5	283	**26**	**130**	**140**	210 E	**200**	**10**	**100**	**200**	**170**	**14**	**120**	**170**	**49**	**5.4**
trans-1,2-dichloroethene	156605	5.0	5	total	ND	**12**	**13**	**15**	**14**	ND	**9.7**	**18**	**15**	ND	7	**10**	ND	ND
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5.0	5	1,564	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5.0	5	267	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5.0	5	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	5	1,550	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5.0	5	712	ND	**11**	**18**	**32**	**29**	ND	**5.9**	**26**	**14**	ND	ND	5	ND	ND
vinyl chloride	75014	5.0	5	3	**13**	**280**	**29**	**34**	**31**	ND	**30**	**19**	**48**	**7.9**	**32**	**39**	**20**	**6.5**
o-xylene	95476	5.0	5	2,080	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs					53	433	200	>291	274	10	145.6	265.7	247	21.9	159	224	69	12

NOTES:
Base = Baseline sample collected 12/14/99
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CAS = Chemical Abstract Service registry number
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Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits
ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-15A (Note: Well filled with gravel June 25, 2002)								
Sample Collection Date:					Base	Base	Jun-22-00	Mar-27-01	Jun-13-01	Jun-13-01	Sep-28-01	Dec-19-01	Mar-27-02
Dilution:					1.00	5.00	2.00	2.00	2.00	10.00	2.00	2.00	2.50
Volatile Organic Compounds (ug/l)													
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	106907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	500	14	ND	ND	ND	ND	ND	ND	ND	2.9
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	2.8
cis-1,2-dichloroethene	156592	5.0	5	285	950 E	830	340	210	1,000 E	1,200	200	220	380
trans-1,2-dichloroethene	156605	5.0	5	total	93	72	23	23	79	90	11	12	28
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5.0	5	1,584	13	ND	ND	ND	ND	ND	ND	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5.0	5	680	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	5	1,550	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5.0	5	712	65	48	50	21	37	ND	47	21	65
vinyl chloride	75014	5.0	5	3	390 E	270	49	30	340	420	ND	32	15
o-xylene	95476	5.0	5	2,080	ND	ND	ND	ND	ND	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs					1,498	1,220	462	284	> 1377	1,710	258	285	493.7

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits
ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW 16A (Deep Well)														
Sample Collection Date:					Base	Mar-29-00	Jun-22-00	Aug-21-00	Mar-27-01	Jun-13-01	Sep-28-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:					500.00	20.00	25.00	20.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	NA	10.00	10.00	10.00
Volatile Organic Compounds (ug/l)																			
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	500	ND	270	260	200	180	170	140	150	120	88	81	NSPD	150	120	120
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND	NSPD	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	5	285	**9,400**	**3,800**	**3,100**	**3,200**	**2,000**	**2,000**	**1,800**	**1,600**	**1,300**	**1,300**	**1,200**	NSPD	**1,200**	**1,100**	**1,300**
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	ND	ND	**150**	ND	ND	ND	**21**	ND	ND	NSPD	ND	ND	ND
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
ethylbenzene	100414	5.0	5	1,584	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
toluene	108883	5.0	5	680	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	NSPD	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	5	1,350	**56,000**	**410**	**290**	**200**	**160**	**120**	**89**	**120**	**92**	**55**	ND	NSPD	**240**	**200**	**250**
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND
trichloroethene	79016	5.0	5	712	**17,000**	**2,200**	**1,300**	**910**	**1,100**	**1,000**	**730**	**690**	**840**	**480**	**260**	NSPD	**1,200**	**560**	**430**
vinyl chloride	75014	5.0	5	3	ND	**620**	**620**	**1,100**	**460**	**710**	**610**	**500**	**440**	**380**	**340**	NSPD	**430**	**330**	**380**
o-xylene	95476	5.0	5	2,080	**3,800**	**110**	ND	ND	ND	ND	ND	ND	**12**	ND	ND	NSPD	ND	ND	ND
m+p xylene	108383/106423	5.0	5	total	**8,400**	ND	170	ND	ND	**80**	**50**	ND	**19**	ND	ND	NSPD	ND	ND	ND
TOTAL VOCs					94,600	7,410	5,740	5,610	4,050	4,080	3,419	3,060	2,875	2,303	1,881	NSPD	3,220	2,310	2,480

NOTES:
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ND = Not Detected
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NCD = (sample) Not Collected. Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled.

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-16R													
Sample Collection Date:					Jun-22-00	Aug-21-00	Mar-27-01	Jun-13-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03	Oct-21-03
Dilution:					50 or 100	10.00	5.00	5.00	5.00	2.00	2.50	5.00	50.00	5 or 10	5.00	2.00	2.00	2.50
Volatile Organic Compounds (ug/l)																		
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	28	35	26	38	440	390	72	53	42	100	99
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	5.7	ND	44	ND	ND	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	5	265	350	1,800	84	71	550	320	440	3000 E	3,000	1,300	780	140	430 E	450
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	ND	ND	ND	11	24	60	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	100414	5.0	5	1,584	1,800	ND	26	38	ND	3.4	ND	30	ND	32	ND	ND	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	108883	5.0	5	680	850	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	5	1,559	3,900	ND	270	600	380	320	350	2900 E	2,700	570	460	230	160	160
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene	79016	5.0	5	712	11,000	ND	600	990	250	290	500	6900 E	9,400	26	140	46	47	50
vinyl chloride	75014	5.0	5	3	ND	1,300	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	ND
o-xylene	95476	5.0	5	2,080	7,600	ND	110	140	25	6.6	ND	50	ND	46	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	5	total	13,000	ND	65	94	ND	5.9	ND	49	ND	52	26	ND	ND	ND
TOTAL VOCs					38,500	3,100	1,155	1,961	1,240	1,001.7	1,352	673	15,490	2,098	1,459	458	307	759

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
Bold = Exceeds RAOs for groundwater
Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits
ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled.
Well MW-15A was filled with gravel and is no longer sampled

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	MW-22											
Sample Collection Date:					Base	Jun-22-00	Mar-27-01	Jun-13-01	Dec-19-01	Mar-20-02	Jun-25-02	Sept-19-02	Jan-20-03	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:					1.00	1.00	1.00	1.00	1.00	1.00	1.00	NA	1.00	1.00	1.00	1.00
Volatile Organic Compounds (ug/l)																
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
carbon disulfide	75150	10	-	-	76	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
carbon tetrachloride	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
chloroethane	75003	5.0	-	[illegible]	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	5	[illegible]	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
ethylbenzene	100414	5.0	5	1,294	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
methylene chlonde	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
toluene	108883	5.0	5	681	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	5	1,550	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
trichloroethene	79016	5.0	5	712	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
vinyl chloride	75014	5.0	5	3	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	5.7
o-xylene	95476	5.0	5	2,080	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	5	total	ND	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	ND
TOTAL VOCs					76	ND	ND	ND	ND	ND	ND	NCD	ND	ND	ND	5.7

NOTES:
Base = Baseline sample collected 12/14/99
RAOs GW = Remedial Action Objectives for Groundwater
CAS = Chemical Abstract Service registry number
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Bold/Shaded = Exceeds Buffalo Sewer Authonty Discharge Limits
ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed during excavation and is no longer sampled
Well MW-15A was filled with gravel and is no longer sampled.

Table 5
Summary of Groundwater Monitoring Data
LEICA, Inc.

ANALYTE	CAS	Method Detection Limit	RAOs GW	BSA Discharge Limits	Groundwater Treatment Effluent										
Sample Collection Date:					Jan-01	Feb-01	Mar-01	Jun-01	Sep-01	Dec-01	Jan-20-03	Mar-27-03	Mar-27-03	Jul-11-03	Oct-21-03
Dilution:					1.00	1.00	1.00	1.00	1.00	1.00	NA	1.00	2.50	1.00	1.00
Volatile Organic Compounds (ug/l)															
acetone	67641	20	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
benzene	71432	5.0	-	142	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
bromodichloromethane	75274	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
bromoform	75252	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
bromomethane	74839	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
2-butanone (MEK)	78933	10	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
carbon disulfide	75150	10	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
carbon tetrachlorde	56235	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
chlorobenzene	108907	5.0	-	310	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
chloroethane	75003	5.0	-	420	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
chloroform	67663	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
chloromethane	74873	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
dibromochloromethane	124481	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
1,1-dichloroethane	75343	5.0	-	500	ND	ND	ND	ND	8.1	ND	NSPD	40	38	ND	ND
1,2-dichloroethane	107062	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
1,1-dichloroethene	75354	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
cis-1,2-dichloroethene	156592	5.0	5	235	140	75	47	90	200	24	NSPD	390 E	360	ND	38
trans-1,2-dichloroethene	156605	5.0	5	total	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
1,2-dichloropropane	78875	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
cis-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
trans-1,3-dichloropropene	542756	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
ethylbenzene	100414	5.0	5	1,584	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
2-hexanone	591786	10	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
methylene chloride	75092	5.0	-	2,062	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	108101	10	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
styrene	100425	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	79345	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
tetrachloroethene	127184	5.0	-	267	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
toluene	108883	5.0	5	680	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
1,1,1-trichloroethane	71556	5.0	5	1,580	ND	ND	ND	ND	ND	ND	NSPD	43	40	ND	ND
1,1,2-trichloroethane	79005	5.0	-	-	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
trichloroethene	79016	5.0	5	712	ND	ND	6	13	38	ND	NSPD	270 E	250	ND	5.5
vinyl chloride	75014	5.0	5	3	23	7	ND	5	17	ND	NSPD	88	80	ND	ND
o-xylene	95476	5.0	5	2,080	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
m+p xylene	108383/106423	5.0	5	total	ND	ND	ND	ND	ND	ND	NSPD	ND	ND	ND	ND
TOTAL VOCs					163	82	53	108	263	24	NSPD	151	748	ND	43.5

NOTES:
Base = Baseline sample collected 12/14/99
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Bold/Shaded = Exceeds Buffalo Sewer Authority Discharge Limits
ND = Not Detected
E = Exceeds Calibration Range
NCD = (sample) Not Collected, Dry well
NSPD = Not sampled, pump down
1 = SCIENTECH believes that MW10 and MW-11 were accidentally switched (corrected in table)
Well MW-11 was removed dunng excavation and is no longer sampled
Well MW-15A was filled with gravel and is no longer sampled.

Appendix C

Data

Columbia Analytical Services, Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2315455

Lab ID	Client ID
615763	MW-4
615764	MW-6
615765	MW-6A
615766	MW-7
615767	MW-10
615768	MW-11
615769	MW-14
615770	MW-14A
615771	MW-22
615772	MW-16R
615773	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.
An Employee - Owned Company

Effective 11/4/2002

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-4

Date Sampled : 01/20/03 **Order #:** 615763 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/27/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	2000 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	26	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	70	UG/L
VINYL CHLORIDE	5.0	350 E	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	107	%
TOLUENE-D8	(91 - 113 %)	103	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-4

Date Sampled : 01/20/03 **Order #:** 615763 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/27/03			
ANALYTICAL DILUTION: 20.00			
ACETONE	20	400 U	UG/L
BENZENE	5.0	100 U	UG/L
BROMODICHLOROMETHANE	5.0	100 U	UG/L
BROMOFORM	5.0	100 U	UG/L
BROMOMETHANE	5.0	100 U	UG/L
2-BUTANONE (MEK)	10	200 U	UG/L
CARBON DISULFIDE	10	200 U	UG/L
CARBON TETRACHLORIDE	5.0	100 U	UG/L
CHLOROBENZENE	5.0	100 U	UG/L
CHLOROETHANE	5.0	100 U	UG/L
CHLOROFORM	5.0	100 U	UG/L
CHLOROMETHANE	5.0	100 U	UG/L
DIBROMOCHLOROMETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHANE	5.0	100 U	UG/L
1,2-DICHLOROETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHENE	5.0	100 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	2200	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	100 U	UG/L
1,2-DICHLOROPROPANE	5.0	100 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
ETHYLBENZENE	5.0	100 U	UG/L
2-HEXANONE	10	200 U	UG/L
METHYLENE CHLORIDE	5.0	100 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	200 U	UG/L
STYRENE	5.0	100 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	100 U	UG/L
TETRACHLOROETHENE	5.0	100 U	UG/L
TOLUENE	5.0	100 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	100 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	100 U	UG/L
TRICHLOROETHENE	5.0	100 U	UG/L
VINYL CHLORIDE	5.0	340	UG/L
O-XYLENE	5.0	100 U	UG/L
M+P-XYLENE	5.0	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	107	%
TOLUENE-D8	(91 - 113 %)	102	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-6

Date Sampled : 01/20/03 **Order #:** 615764 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/27/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	53	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	18	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	106	%
TOLUENE-D8	(91 - 113 %)	103	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-6A

Date Sampled : 01/20/03 **Order #:** 615765 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/30/03			
ANALYTICAL DILUTION: 2.00			
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	10 U	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	250	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	11	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	10 U	UG/L
VINYL CHLORIDE	5.0	65	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	101	%
TOLUENE-D8	(91 - 113 %)	107	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-7

Date Sampled : 01/20/03 **Order #:** 615766 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/27/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	43	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	6.1	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	106	%
TOLUENE-D8	(91 - 113 %)	103	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	107	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-10

Date Sampled : 01/20/03 **Order #:** 615767 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/27/03			
ANALYTICAL DILUTION: 2.00			
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	10 U	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	210	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10 U	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	78	UG/L
VINYL CHLORIDE	5.0	10 U	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	107	%
TOLUENE-D8	(91 - 113 %)	103	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-11

Date Sampled : 01/20/03 **Order #:** 615768 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/30/03			
ANALYTICAL DILUTION: 10.00			
ACETONE	20	200 U	UG/L
BENZENE	5.0	50 U	UG/L
BROMODICHLOROMETHANE	5.0	50 U	UG/L
BROMOFORM	5.0	50 U	UG/L
BROMOMETHANE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON DISULFIDE	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROETHANE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
CHLOROMETHANE	5.0	50 U	UG/L
DIBROMOCHLOROMETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHANE	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	3100 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	50 U	UG/L
1,2-DICHLOROPROPANE	5.0	50 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
ETHYLBENZENE	5.0	50 U	UG/L
2-HEXANONE	10	100 U	UG/L
METHYLENE CHLORIDE	5.0	50 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	100 U	UG/L
STYRENE	5.0	50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TOLUENE	5.0	50 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	50 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L
O-XYLENE	5.0	50 U	UG/L
M+P-XYLENE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	107	%
TOLUENE-D8	(91 - 113 %)	104	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-11

Date Sampled : 01/20/03 **Order #:** 615768 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/30/03			
ANALYTICAL DILUTION: 20.00			
ACETONE	20	400 U	UG/L
BENZENE	5.0	100 U	UG/L
BROMODICHLOROMETHANE	5.0	100 U	UG/L
BROMOFORM	5.0	100 U	UG/L
BROMOMETHANE	5.0	100 U	UG/L
2-BUTANONE (MEK)	10	200 U	UG/L
CARBON DISULFIDE	10	200 U	UG/L
CARBON TETRACHLORIDE	5.0	100 U	UG/L
CHLOROBENZENE	5.0	100 U	UG/L
CHLOROETHANE	5.0	100 U	UG/L
CHLOROFORM	5.0	100 U	UG/L
CHLOROMETHANE	5.0	100 U	UG/L
DIBROMOCHLOROMETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHANE	5.0	100 U	UG/L
1,2-DICHLOROETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHENE	5.0	100 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	2900	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	100 U	UG/L
1,2-DICHLOROPROPANE	5.0	100 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
ETHYLBENZENE	5.0	100 U	UG/L
2-HEXANONE	10	200 U	UG/L
METHYLENE CHLORIDE	5.0	100 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	200 U	UG/L
STYRENE	5.0	100 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	100 U	UG/L
TETRACHLOROETHENE	5.0	100 U	UG/L
TOLUENE	5.0	100 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	100 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	100 U	UG/L
TRICHLOROETHENE	5.0	100 U	UG/L
VINYL CHLORIDE	5.0	100 U	UG/L
O-XYLENE	5.0	100 U	UG/L
M+P-XYLENE	5.0	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	103	%
TOLUENE-D8	(91 - 113 %)	108	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-14

Date Sampled : 01/20/03 **Order #:** 615769 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/27/03			
ANALYTICAL DILUTION: 2.00			
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	10 U	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	310	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10 U	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	10 U	UG/L
VINYL CHLORIDE	5.0	62	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	102	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-14A

Date Sampled : 01/20/03 **Order #:** 615770 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

DATE ANALYZED : 01/30/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	120	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	7.1	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	32	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	100	%
TOLUENE-D8	(91 - 113 %)	108	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-22

Date Sampled : 01/20/03 **Order #:** 615771 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/27/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	101	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-16R

Date Sampled : 01/20/03 **Order #:** 615772 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/30/03			
ANALYTICAL DILUTION: 5.00			
ACETONE	20	100 U	UG/L
BENZENE	5.0	25 U	UG/L
BROMODICHLOROMETHANE	5.0	25 U	UG/L
BROMOFORM	5.0	25 U	UG/L
BROMOMETHANE	5.0	25 U	UG/L
2-BUTANONE (MEK)	10	50 U	UG/L
CARBON DISULFIDE	10	50 U	UG/L
CARBON TETRACHLORIDE	5.0	25 U	UG/L
CHLOROBENZENE	5.0	25 U	UG/L
CHLOROETHANE	5.0	25 U	UG/L
CHLOROFORM	5.0	25 U	UG/L
CHLOROMETHANE	5.0	25 U	UG/L
DIBROMOCHLOROMETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHANE	5.0	66	UG/L
1,2-DICHLOROETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHENE	5.0	25 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	1200 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
1,2-DICHLOROPROPANE	5.0	25 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
ETHYLBENZENE	5.0	32	UG/L
2-HEXANONE	10	50 U	UG/L
METHYLENE CHLORIDE	5.0	25 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	50 U	UG/L
STYRENE	5.0	25 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	25 U	UG/L
TETRACHLOROETHENE	5.0	25 U	UG/L
TOLUENE	5.0	25 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	560	UG/L
1,1,2-TRICHLOROETHANE	5.0	25 U	UG/L
TRICHLOROETHENE	5.0	26	UG/L
VINYL CHLORIDE	5.0	25 U	UG/L
O-XYLENE	5.0	46	UG/L
M+P-XYLENE	5.0	49	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	107	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : MW-16R

Date Sampled : 01/20/03 **Order #:** 615772 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/31/03			
ANALYTICAL DILUTION: 10.00			
ACETONE	20	200 U	UG/L
BENZENE	5.0	50 U	UG/L
BROMODICHLOROMETHANE	5.0	50 U	UG/L
BROMOFORM	5.0	50 U	UG/L
BROMOMETHANE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON DISULFIDE	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROETHANE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
CHLOROMETHANE	5.0	50 U	UG/L
DIBROMOCHLOROMETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHANE	5.0	72	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	1300	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	50 U	UG/L
1,2-DICHLOROPROPANE	5.0	50 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
ETHYLBENZENE	5.0	50 U	UG/L
2-HEXANONE	10	100 U	UG/L
METHYLENE CHLORIDE	5.0	50 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	100 U	UG/L
STYRENE	5.0	50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TOLUENE	5.0	50 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	570	UG/L
1,1,2-TRICHLOROETHANE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	50 U	UG/L
O-XYLENE	5.0	50 U	UG/L
M+P-XYLENE	5.0	52	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	96	%
TOLUENE-D8	(91 - 113 %)	103	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Scientech Inc.
Project Reference: LEICA 31129-200
Client Sample ID : TRIP BLANK

Date Sampled : 01/20/03 **Order #:** 615773 **Sample Matrix:** WATER
Date Received: 01/21/03 **Submission #:** R2315455 **Analytical Run** 87370

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/27/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	108	%
TOLUENE-D8	(91 - 113 %)	103	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	106	%

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER

Spiked Order No. : 615763 Scientech Inc.

Client ID: MW-4

Test: 8260B TCL

Analytical Units: UG/L

Run Number : 87370

ANALYTE	SPIKE ADDED MS	SPIKE ADDED MSD	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
BENZENE	1000	1000	0	980	98	980	98	0	30	62 - 122
CHLOROBENZENE	1000	1000	0	1000	100	1000	100	0	30	70 - 130
1,1-DICHLOROETHENE	1000	1000	0	1000	100	1000	100	0	30	68 - 114
TOLUENE	1000	1000	0	1000	100	1000	100	0	30	70 - 130
TRICHLOROETHENE	1000	1000	70.0	1000	93	1100	103	10	30	68 - 114

MS/MSD 1

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 617762 ANALYTICAL RUN # : 87370

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 01/27/03			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	101	50 - 150
BENZENE	20.0	86	70 - 130
BROMODICHLOROMETHANE	20.0	90	70 - 130
BROMOFORM	20.0	99	70 - 130
BROMOMETHANE	20.0	98	50 - 150
2-BUTANONE (MEK)	20.0	91	50 - 150
CARBON DISULFIDE	20.0	89	70 - 130
CARBON TETRACHLORIDE	20.0	81	70 - 130
CHLOROBENZENE	20.0	88	70 - 130
CHLOROETHANE	20.0	87	70 - 130
CHLOROFORM	20.0	92	70 - 130
CHLOROMETHANE	20.0	83	70 - 130
DIBROMOCHLOROMETHANE	20.0	94	70 - 130
1,1-DICHLOROETHANE	20.0	90	70 - 130
1,2-DICHLOROETHANE	20.0	92	70 - 130
1,1-DICHLOROETHENE	20.0	74	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	90	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	82	70 - 130
1,2-DICHLOROPROPANE	20.0	88	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	97	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	97	70 - 130
ETHYLBENZENE	20.0	83	70 - 130
2-HEXANONE	20.0	96	70 - 130
METHYLENE CHLORIDE	20.0	92	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	95	70 - 130
STYRENE	20.0	92	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	96	70 - 130
TETRACHLOROETHENE	20.0	80	70 - 130
TOLUENE	20.0	85	70 - 130
1,1,1-TRICHLOROETHANE	20.0	79	70 - 130
1,1,2-TRICHLOROETHANE	20.0	98	70 - 130
TRICHLOROETHENE	20.0	81	70 - 130
VINYL CHLORIDE	20.0	84	70 - 130
O-XYLENE	20.0	89	70 - 130
M+P-XYLENE	40.0	88	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 617764 ANALYTICAL RUN # : 87370

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 01/29/03			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	94	50 - 150
BENZENE	20.0	99	70 - 130
BROMODICHLOROMETHANE	20.0	95	70 - 130
BROMOFORM	20.0	91	70 - 130
BROMOMETHANE	20.0	104	50 - 150
2-BUTANONE (MEK)	20.0	82	50 - 150
CARBON DISULFIDE	20.0	95	70 - 130
CARBON TETRACHLORIDE	20.0	104	70 - 130
CHLOROBENZENE	20.0	102	70 - 130
CHLOROETHANE	20.0	106	70 - 130
CHLOROFORM	20.0	103	70 - 130
CHLOROMETHANE	20.0	98	70 - 130
DIBROMOCHLOROMETHANE	20.0	93	70 - 130
1,1-DICHLOROETHANE	20.0	102	70 - 130
1,2-DICHLOROETHANE	20.0	93	70 - 130
1,1-DICHLOROETHENE	20.0	107	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	99	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	99	70 - 130
1,2-DICHLOROPROPANE	20.0	96	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	95	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	94	70 - 130
ETHYLBENZENE	20.0	108	70 - 130
2-HEXANONE	20.0	85	70 - 130
METHYLENE CHLORIDE	20.0	99	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	88	70 - 130
STYRENE	20.0	105	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	81	70 - 130
TETRACHLOROETHENE	20.0	106	70 - 130
TOLUENE	20.0	103	70 - 130
1,1,1-TRICHLOROETHANE	20.0	100	70 - 130
1,1,2-TRICHLOROETHANE	20.0	98	70 - 130
TRICHLOROETHENE	20.0	116	70 - 130
VINYL CHLORIDE	20.0	108	70 - 130
O-XYLENE	20.0	105	70 - 130
M+P-XYLENE	40.0	109	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 617768 ANALYTICAL RUN # : 87370

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 01/31/03			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	105	50 - 150
BENZENE	20.0	103	70 - 130
BROMODICHLOROMETHANE	20.0	102	70 - 130
BROMOFORM	20.0	99	70 - 130
BROMOMETHANE	20.0	109	50 - 150
2-BUTANONE (MEK)	20.0	99	50 - 150
CARBON DISULFIDE	20.0	88	70 - 130
CARBON TETRACHLORIDE	20.0	106	70 - 130
CHLOROBENZENE	20.0	100	70 - 130
CHLOROETHANE	20.0	99	70 - 130
CHLOROFORM	20.0	99	70 - 130
CHLOROMETHANE	20.0	101	70 - 130
DIBROMOCHLOROMETHANE	20.0	97	70 - 130
1,1-DICHLOROETHANE	20.0	104	70 - 130
1,2-DICHLOROETHANE	20.0	100	70 - 130
1,1-DICHLOROETHENE	20.0	100	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	98	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	94	70 - 130
1,2-DICHLOROPROPANE	20.0	100	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	104	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	100	70 - 130
ETHYLBENZENE	20.0	103	70 - 130
2-HEXANONE	20.0	100	70 - 130
METHYLENE CHLORIDE	20.0	99	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	101	70 - 130
STYRENE	20.0	104	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	98	70 - 130
TETRACHLOROETHENE	20.0	103	70 - 130
TOLUENE	20.0	102	70 - 130
1,1,1-TRICHLOROETHANE	20.0	97	70 - 130
1,1,2-TRICHLOROETHANE	20.0	95	70 - 130
TRICHLOROETHENE	20.0	104	70 - 130
VINYL CHLORIDE	20.0	107	70 - 130
O-XYLENE	20.0	102	70 - 130
M+P-XYLENE	40.0	104	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 617761 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 87370

DATE ANALYZED : 01/27/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	108	%
TOLUENE-D8	(91 - 113 %)	103	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 617763 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 87370

DATE ANALYZED : 01/30/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	105	%
TOLUENE-D8	(91 - 113 %)	109	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 02/13/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 617767 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 87370

DATE ANALYZED : 01/31/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	99	%
TOLUENE-D8	(91 - 113 %)	106	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 2

SR #

CAS Contact

Project Name: Leica

Project Number: ~~3H38~~ 31129-200

Project Manager: Robert McPeek

Report CC:

Company/Address: SCIENTECH, Inc.
143 West Street
New Milford, CT 06776

Phone #: (860) 210-3063

FAX #: (860) 210-3021

Sampler's Signature:

Sampler's Printed Name: Mark Burno

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☒8260 ☐624 ☐CLP	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602	PESTICIDES ☐8081 ☐608 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MW-4	15763	1/20/03	13:50	GW	3	X							
MW 6	64	1/20/03	14:15	GW	3	X							
MW 6A	65	1/20/03	16:00	GW	3	X							
MW 7	66	1/20/03	15:50	GW	3	X							
MW 10	67	1/20/03	14:30	GW	3	X							
MW 11	68	1/20/03	14:38	GW	3	X							
MW 11A													Not Sampled
MW 14	69	1/20/03	15:10	GW	3	X							
MW 14A	70	1/20/03	15:20	GW	3	X							
MW 22	71	1/20/03	15:07	GW	3	X							

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Speicalized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R22154.55
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Mark Burno	Signature: J. Burnett J. Burnett	Signature: J. Burnett J. Burnett	Signature: Heather Lovejoy	Signature:	Signature:
Printed Name: Mark Burno	Printed Name: CAS	Printed Name: CAS	Printed Name: Heather Lovejoy	Printed Name:	Printed Name:
Firm: SCIENTECH, Inc.	Firm: 1/21/03 1105	Firm: 1/21/03 1330	Firm: CAS	Firm:	Firm:
Date/Time: 1/21/03 1105	Date/Time:	Date/Time:	Date/Time: 1/21/03 1330	Date/Time:	Date/Time:

SCOC-1102-08

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR #

CAS Contact

Project Name: Leica

Project Number: ~~31129~~ - 31129-200

Project Manager: Robert McPeek

Report CC:

Company/Address: SCIENTECH, Inc.
143 West Street
New Milford, CT 06776

Phone #: (860) 210-3063

FAX#: (860) 210-3021

Sampler's Signature:

Sampler's Printed Name: Mark Burns

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1

NUMBER OF CONTAINERS

- GC/MS VOA's ☒ 8260 ☐ 624 ☐ CLP
- GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP
- GC VOA's ☐ 8021 ☐ 601/602
- PESTICIDES ☐ 8081 ☐ 608 ☐ CLP
- PCB's ☐ 8082 ☐ 608 ☐ CLP
- METALS, TOTAL (List in comments below)
- METALS, DISSOLVED (List in comments below)

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☒ 8260	REMARKS/ ALTERNATE DESCRIPTION
MW16A	615772						Not Sampled
MW16R		1/20/03	16:35	GW			
HD							Not Sampled
VD							Not Sampled
GWD							Not Sampled
Trip Blank	73	12/19/02	11:30	water	3	X	

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
_____ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Speicalized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Mark Burns	Signature: J. Smith	Signature: J. Smith	Signature: Heather Lovejoy	Signature:	Signature:
Printed Name: Mark Burns	Printed Name: J. Smith	Printed Name: J. Smith	Printed Name: Heather Lovejoy	Printed Name:	Printed Name:
Firm: SCIENTECH, INC.	Firm: CAS	Firm: CAS	Firm: CAS	Firm:	Firm:
Date/Time: 1/21/03 11:05	Date/Time: 1/21/03 11:05	Date/Time: 1/21/03 13:30	Date/Time: 1/21/03 13:30	Date/Time:	Date/Time:

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Scientech Submission Number R2-15455

Cooler received on 1/21/03 by: [illegible] COURIER: (CAS) UPS FEDEX CD&L CLIENT

1.	Were custody seals on outside of cooler?			YES	(NO)	
2.	Were custody papers properly filled out (ink, signed, etc.)?			(YES)	NO	
3.	Did all bottles arrive in good condition (unbroken)?			(YES)	NO	
4.	Did any VOA vials have significant air bubbles?			YES	(NO)	N/A
5.	Were **Ice** or **Ice packs** present?			(YES)	NO	
6.	Where did the bottles originate?			(CAS/ROC)	CLIENT	
7.	Temperature of cooler(s) upon receipt:	0°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 1/21/03 - 1340

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 1/21/03 by: UMC

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

Other Comments:

Columbia Analytical Services inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2316268

Lab ID	Client ID
629140	DGWD032703
629141	MW14
629142	MW14A
629143	MW22
629144	MW6A
629145	MW11
629146	MW4
629147	MW16R
629148	MW7
629149	MW6
629150	MW10
629151	MW11A
629152	MW16A
629153	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.

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Effective 11/4/2002

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : DGWD032703

Date Sampled : 03/27/03 07:45 **Order #:** 629140 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	40	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	390 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	43	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	270 E	UG/L
VINYL CHLORIDE	5.0	68	UG/L
O-XYLENE	5.0	5.0	UG/L
M+P-XYLENE	5.0	8.0	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	106	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : DGWD032703

Date Sampled : 03/27/03 07:45 **Order #:** 629140 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 2.50			
ACETONE	20	50 U	UG/L
BENZENE	5.0	13 U	UG/L
BROMODICHLOROMETHANE	5.0	13 U	UG/L
BROMOFORM	5.0	13 U	UG/L
BROMOMETHANE	5.0	13 U	UG/L
2-BUTANONE (MEK)	10	25 U	UG/L
CARBON DISULFIDE	10	25 U	UG/L
CARBON TETRACHLORIDE	5.0	13 U	UG/L
CHLOROBENZENE	5.0	13 U	UG/L
CHLOROETHANE	5.0	13 U	UG/L
CHLOROFORM	5.0	13 U	UG/L
CHLOROMETHANE	5.0	13 U	UG/L
DIBROMOCHLOROMETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHANE	5.0	38	UG/L
1,2-DICHLOROETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHENE	5.0	13 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	360	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	13 U	UG/L
1,2-DICHLOROPROPANE	5.0	13 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
ETHYLBENZENE	5.0	13 U	UG/L
2-HEXANONE	10	25 U	UG/L
METHYLENE CHLORIDE	5.0	13 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	25 U	UG/L
STYRENE	5.0	13 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	13 U	UG/L
TETRACHLOROETHENE	5.0	13 U	UG/L
TOLUENE	5.0	13 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	40	UG/L
1,1,2-TRICHLOROETHANE	5.0	13 U	UG/L
TRICHLOROETHENE	5.0	250	UG/L
VINYL CHLORIDE	5.0	60	UG/L
O-XYLENE	5.0	13 U	UG/L
M+P-XYLENE	5.0	13 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	102	%
TOLUENE-D8	(91 - 113 %)	110	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW14

Date Sampled : 03/27/03 10:20 **Order #:** 629141 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	160	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	37	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	109	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW14A

Date Sampled : 03/27/03 10:30 **Order #:** 629142 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	170	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.3	UG/L
VINYL CHLORIDE	5.0	39	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	106	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW22

Date Sampled : 03/27/03 10:45 **Order #:** 629143 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

DATE ANALYZED : 04/03/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	107	%
TOLUENE-D8	(91 - 113 %)	107	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW6A

Date Sampled : 03/27/03 11:10 **Order #:** 629144 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 2.00			
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	12	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	420 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	17	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	18	UG/L
VINYL CHLORIDE	5.0	250	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	107	%
TOLUENE-D8	(91 - 113 %)	105	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW6A

Date Sampled : 03/27/03 11:10 **Order #:** 629144 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 2.50			
ACETONE	20	50 U	UG/L
BENZENE	5.0	13 U	UG/L
BROMODICHLOROMETHANE	5.0	13 U	UG/L
BROMOFORM	5.0	13 U	UG/L
BROMOMETHANE	5.0	13 U	UG/L
2-BUTANONE (MEK)	10	25 U	UG/L
CARBON DISULFIDE	10	25 U	UG/L
CARBON TETRACHLORIDE	5.0	13 U	UG/L
CHLOROBENZENE	5.0	13 U	UG/L
CHLOROETHANE	5.0	13 U	UG/L
CHLOROFORM	5.0	13 U	UG/L
CHLOROMETHANE	5.0	13 U	UG/L
DIBROMOCHLOROMETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHANE	5.0	13 U	UG/L
1,2-DICHLOROETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHENE	5.0	13 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	410	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	16	UG/L
1,2-DICHLOROPROPANE	5.0	13 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
ETHYLBENZENE	5.0	13 U	UG/L
2-HEXANONE	10	25 U	UG/L
METHYLENE CHLORIDE	5.0	13 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	25 U	UG/L
STYRENE	5.0	13 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	13 U	UG/L
TETRACHLOROETHENE	5.0	13 U	UG/L
TOLUENE	5.0	13 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	13 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	13 U	UG/L
TRICHLOROETHENE	5.0	19	UG/L
VINYL CHLORIDE	5.0	260	UG/L
O-XYLENE	5.0	13 U	UG/L
M+P-XYLENE	5.0	13 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	112	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW11

Date Sampled : 03/27/03 11:30 **Order #:** 629145 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 20.00			
ACETONE	20	400 U	UG/L
BENZENE	5.0	100 U	UG/L
BROMODICHLOROMETHANE	5.0	100 U	UG/L
BROMOFORM	5.0	100 U	UG/L
BROMOMETHANE	5.0	100 U	UG/L
2-BUTANONE (MEK)	10	200 U	UG/L
CARBON DISULFIDE	10	200 U	UG/L
CARBON TETRACHLORIDE	5.0	100 U	UG/L
CHLOROBENZENE	5.0	100 U	UG/L
CHLOROETHANE	5.0	100 U	UG/L
CHLOROFORM	5.0	100 U	UG/L
CHLOROMETHANE	5.0	100 U	UG/L
DIBROMOCHLOROMETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHANE	5.0	100 U	UG/L
1,2-DICHLOROETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHENE	5.0	100 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	4200 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	100 U	UG/L
1,2-DICHLOROPROPANE	5.0	100 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
ETHYLBENZENE	5.0	100 U	UG/L
2-HEXANONE	10	200 U	UG/L
METHYLENE CHLORIDE	5.0	100 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	200 U	UG/L
STYRENE	5.0	100 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	100 U	UG/L
TETRACHLOROETHENE	5.0	100 U	UG/L
TOLUENE	5.0	100 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	100 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	100 U	UG/L
TRICHLOROETHENE	5.0	100 U	UG/L
VINYL CHLORIDE	5.0	150	UG/L
O-XYLENE	5.0	100 U	UG/L
M+P-XYLENE	5.0	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	106	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW11

Date Sampled : 03/27/03 11:30 **Order #:** 629145 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/07/03			
ANALYTICAL DILUTION: 25.00			
ACETONE	20	500 U	UG/L
BENZENE	5.0	130 U	UG/L
BROMODICHLOROMETHANE	5.0	130 U	UG/L
BROMOFORM	5.0	130 U	UG/L
BROMOMETHANE	5.0	130 U	UG/L
2-BUTANONE (MEK)	10	250 U	UG/L
CARBON DISULFIDE	10	250 U	UG/L
CARBON TETRACHLORIDE	5.0	130 U	UG/L
CHLOROBENZENE	5.0	130 U	UG/L
CHLOROETHANE	5.0	130 U	UG/L
CHLOROFORM	5.0	130 U	UG/L
CHLOROMETHANE	5.0	130 U	UG/L
DIBROMOCHLOROMETHANE	5.0	130 U	UG/L
1,1-DICHLOROETHANE	5.0	130 U	UG/L
1,2-DICHLOROETHANE	5.0	130 U	UG/L
1,1-DICHLOROETHENE	5.0	130 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	4200	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	130 U	UG/L
1,2-DICHLOROPROPANE	5.0	130 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	130 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	130 U	UG/L
ETHYLBENZENE	5.0	130 U	UG/L
2-HEXANONE	10	250 U	UG/L
METHYLENE CHLORIDE	5.0	130 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	250 U	UG/L
STYRENE	5.0	130 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	130 U	UG/L
TETRACHLOROETHENE	5.0	130 U	UG/L
TOLUENE	5.0	130 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	130 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	130 U	UG/L
TRICHLOROETHENE	5.0	130 U	UG/L
VINYL CHLORIDE	5.0	140	UG/L
O-XYLENE	5.0	130 U	UG/L
M+P-XYLENE	5.0	130 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	109	%
TOLUENE-D8	(91 - 113 %)	107	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW4

Date Sampled : 03/27/03 11:45 **Order #:** 629146 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/07/03			
ANALYTICAL DILUTION: 10.00			
ACETONE	20	200 U	UG/L
BENZENE	5.0	50 U	UG/L
BROMODICHLOROMETHANE	5.0	50 U	UG/L
BROMOFORM	5.0	50 U	UG/L
BROMOMETHANE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON DISULFIDE	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROETHANE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
CHLOROMETHANE	5.0	50 U	UG/L
DIBROMOCHLOROMETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHANE	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	1700	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	50 U	UG/L
1,2-DICHLOROPROPANE	5.0	50 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
ETHYLBENZENE	5.0	50 U	UG/L
2-HEXANONE	10	100 U	UG/L
METHYLENE CHLORIDE	5.0	50 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	100 U	UG/L
STYRENE	5.0	50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TOLUENE	5.0	50 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	50 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	570	UG/L
O-XYLENE	5.0	50 U	UG/L
M+P-XYLENE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	109	%
TOLUENE-D8	(91 - 113 %)	109	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW16R

Date Sampled : 03/27/03 12:00 **Order #:** 629147 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

DATE ANALYZED : 04/07/03
ANALYTICAL DILUTION: 5.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	100 U	UG/L
BENZENE	5.0	25 U	UG/L
BROMODICHLOROMETHANE	5.0	25 U	UG/L
BROMOFORM	5.0	25 U	UG/L
BROMOMETHANE	5.0	25 U	UG/L
2-BUTANONE (MEK)	10	50 U	UG/L
CARBON DISULFIDE	10	50 U	UG/L
CARBON TETRACHLORIDE	5.0	25 U	UG/L
CHLOROBENZENE	5.0	25 U	UG/L
CHLOROETHANE	5.0	25 U	UG/L
CHLOROFORM	5.0	25 U	UG/L
CHLOROMETHANE	5.0	25 U	UG/L
DIBROMOCHLOROMETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHANE	5.0	53	UG/L
1,2-DICHLOROETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHENE	5.0	25 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	780	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
1,2-DICHLOROPROPANE	5.0	25 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
ETHYLBENZENE	5.0	25 U	UG/L
2-HEXANONE	10	50 U	UG/L
METHYLENE CHLORIDE	5.0	25 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	50 U	UG/L
STYRENE	5.0	25 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	25 U	UG/L
TETRACHLOROETHENE	5.0	25 U	UG/L
TOLUENE	5.0	25 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	460	UG/L
1,1,2-TRICHLOROETHANE	5.0	25 U	UG/L
TRICHLOROETHENE	5.0	140	UG/L
VINYL CHLORIDE	5.0	25 U	UG/L
O-XYLENE	5.0	25 U	UG/L
M+P-XYLENE	5.0	26	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	108	%
TOLUENE-D8	(91 - 113 %)	107	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW7

Date Sampled : 03/27/03 13:10 **Order #:** 629148 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	27	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.4	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	106	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW6

Date Sampled : 03/27/03 13:30 **Order #:** 629149 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	53	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	16	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	101	%
TOLUENE-D8	(91 - 113 %)	110	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW10

Date Sampled : 03/27/03 13:45 **Order #:** 629150 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

DATE ANALYZED : 04/03/03
ANALYTICAL DILUTION: 2.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	10 U	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	360	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10 U	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	130	UG/L
VINYL CHLORIDE	5.0	21	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	104	%
TOLUENE-D8	(91 - 113 %)	109	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW11A

Date Sampled : 03/27/03 14:00 **Order #:** 629151 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 2.50			
ACETONE	20	50 U	UG/L
BENZENE	5.0	13 U	UG/L
BROMODICHLOROMETHANE	5.0	13 U	UG/L
BROMOFORM	5.0	13 U	UG/L
BROMOMETHANE	5.0	13 U	UG/L
2-BUTANONE (MEK)	10	25 U	UG/L
CARBON DISULFIDE	10	25 U	UG/L
CARBON TETRACHLORIDE	5.0	13 U	UG/L
CHLOROBENZENE	5.0	13 U	UG/L
CHLOROETHANE	5.0	13 U	UG/L
CHLOROFORM	5.0	13 U	UG/L
CHLOROMETHANE	5.0	13 U	UG/L
DIBROMOCHLOROMETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHANE	5.0	13 U	UG/L
1,2-DICHLOROETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHENE	5.0	13 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	520 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	14	UG/L
1,2-DICHLOROPROPANE	5.0	13 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
ETHYLBENZENE	5.0	13 U	UG/L
2-HEXANONE	10	25 U	UG/L
METHYLENE CHLORIDE	5.0	13 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	25 U	UG/L
STYRENE	5.0	13 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	13 U	UG/L
TETRACHLOROETHENE	5.0	13 U	UG/L
TOLUENE	5.0	13 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	13 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	13 U	UG/L
TRICHLOROETHENE	5.0	13 U	UG/L
VINYL CHLORIDE	5.0	660 E	UG/L
O-XYLENE	5.0	13 U	UG/L
M+P-XYLENE	5.0	13 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	103	%
TOLUENE-D8	(91 - 113 %)	110	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW11A

Date Sampled : 03/27/03 14:00 **Order #:** 629151 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/07/03			
ANALYTICAL DILUTION: 5.00			
ACETONE	20	100 U	UG/L
BENZENE	5.0	25 U	UG/L
BROMODICHLOROMETHANE	5.0	25 U	UG/L
BROMOFORM	5.0	25 U	UG/L
BROMOMETHANE	5.0	25 U	UG/L
2-BUTANONE (MEK)	10	50 U	UG/L
CARBON DISULFIDE	10	50 U	UG/L
CARBON TETRACHLORIDE	5.0	25 U	UG/L
CHLOROBENZENE	5.0	25 U	UG/L
CHLOROETHANE	5.0	25 U	UG/L
CHLOROFORM	5.0	25 U	UG/L
CHLOROMETHANE	5.0	25 U	UG/L
DIBROMOCHLOROMETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHANE	5.0	25 U	UG/L
1,2-DICHLOROETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHENE	5.0	25 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	550	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
1,2-DICHLOROPROPANE	5.0	25 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
ETHYLBENZENE	5.0	25 U	UG/L
2-HEXANONE	10	50 U	UG/L
METHYLENE CHLORIDE	5.0	25 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	50 U	UG/L
STYRENE	5.0	25 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	25 U	UG/L
TETRACHLOROETHENE	5.0	25 U	UG/L
TOLUENE	5.0	25 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	25 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	25 U	UG/L
TRICHLOROETHENE	5.0	25 U	UG/L
VINYL CHLORIDE	5.0	710	UG/L
O-XYLENE	5.0	25 U	UG/L
M+P-XYLENE	5.0	25 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	108	%
TOLUENE-D8	(91 - 113 %)	105	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	102	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : MW16A

Date Sampled : 03/27/03 14:10 **Order #:** 629152 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

DATE ANALYZED : 04/03/03
ANALYTICAL DILUTION: 10.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	200 U	UG/L
BENZENE	5.0	50 U	UG/L
BROMODICHLOROMETHANE	5.0	50 U	UG/L
BROMOFORM	5.0	50 U	UG/L
BROMOMETHANE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON DISULFIDE	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROETHANE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
CHLOROMETHANE	5.0	50 U	UG/L
DIBROMOCHLOROMETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHANE	5.0	150	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	1200	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	50 U	UG/L
1,2-DICHLOROPROPANE	5.0	50 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
ETHYLBENZENE	5.0	50 U	UG/L
2-HEXANONE	10	100 U	UG/L
METHYLENE CHLORIDE	5.0	50 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	100 U	UG/L
STYRENE	5.0	50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TOLUENE	5.0	50 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	240	UG/L
1,1,2-TRICHLOROETHANE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	1200	UG/L
VINYL CHLORIDE	5.0	430	UG/L
O-XYLENE	5.0	50 U	UG/L
M+P-XYLENE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	102	%
TOLUENE-D8	(91 - 113 %)	109	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Scientech Inc.
Project Reference: LEICA, INC. 03/27/03 PN# 31129-200
Client Sample ID : TRIP BLANK

Date Sampled : 03/27/03 13:00 **Order #:** 629153 **Sample Matrix:** WATER
Date Received: 03/28/03 **Submission #:** R2316268 **Analytical Run** 89268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	103	%
TOLUENE-D8	(91 - 113 %)	110	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	104	%

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY . MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

WATER

Spiked Order No. : 629140 Scientech Inc.

Client ID: DGWD032703

Test: 8260B TCL

Analytical Units: UG/L

Run Number : 89268

ANALYTE	SPIKE ADDED MS	SPIKE ADDED MSD	CONCENT. SAMPLE	MATRIX SPIKE FOUND	MATRIX SPIKE % REC.	MATRIX SPIKE DUP. FOUND	MATRIX SPIKE DUP. % REC.	QC LIMITS RPD	QC LIMITS RPD	QC LIMITS REC.
BENZENE	125	125	0	130	104	130	104	0	30	62 - 122
CHLOROBENZENE	125	125	0	120	96	120	96	0	30	70 - 130
1,1-DICHLOROETHENE	125	125	0	140	112	140	112	0	30	68 - 114
TOLUENE	125	125	0	140	112	140	112	0	30	70 - 130
TRICHLOROETHENE	125	125	270	380	88	370	80	3	30	68 - 114

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 631186 ANALYTICAL RUN # : 89268

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 04/02/03			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	108	50 - 150
BENZENE	20.0	106	70 - 130
BROMODICHLOROMETHANE	20.0	103	70 - 130
BROMOFORM	20.0	96	70 - 130
BROMOMETHANE	20.0	106	50 - 150
2-BUTANONE (MEK)	20.0	104	50 - 150
CARBON DISULFIDE	20.0	93	70 - 130
CARBON TETRACHLORIDE	20.0	100	70 - 130
CHLOROBENZENE	20.0	101	70 - 130
CHLOROETHANE	20.0	100	70 - 130
CHLOROFORM	20.0	101	70 - 130
CHLOROMETHANE	20.0	111	70 - 130
DIBROMOCHLOROMETHANE	20.0	93	70 - 130
1,1-DICHLOROETHANE	20.0	105	70 - 130
1,2-DICHLOROETHANE	20.0	89	70 - 130
1,1-DICHLOROETHENE	20.0	112	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	102	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	101	70 - 130
1,2-DICHLOROPROPANE	20.0	101	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	100	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	98	70 - 130
ETHYLBENZENE	20.0	110	70 - 130
2-HEXANONE	20.0	103	70 - 130
METHYLENE CHLORIDE	20.0	106	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	104	70 - 130
STYRENE	20.0	105	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	87	70 - 130
TETRACHLOROETHENE	20.0	108	70 - 130
TOLUENE	20.0	109	70 - 130
1,1,1-TRICHLOROETHANE	20.0	95	70 - 130
1,1,2-TRICHLOROETHANE	20.0	97	70 - 130
TRICHLOROETHENE	20.0	121	70 - 130
VINYL CHLORIDE	20.0	102	70 - 130
O-XYLENE	20.0	103	70 - 130
M+P-XYLENE	40.0	105	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 631188 ANALYTICAL RUN # : 89268

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 04/03/03			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	112	50 - 150
BENZENE	20.0	109	70 - 130
BROMODICHLOROMETHANE	20.0	105	70 - 130
BROMOFORM	20.0	98	70 - 130
BROMOMETHANE	20.0	108	50 - 150
2-BUTANONE (MEK)	20.0	111	50 - 150
CARBON DISULFIDE	20.0	109	70 - 130
CARBON TETRACHLORIDE	20.0	106	70 - 130
CHLOROBENZENE	20.0	101	70 - 130
CHLOROETHANE	20.0	101	70 - 130
CHLOROFORM	20.0	110	70 - 130
CHLOROMETHANE	20.0	112	70 - 130
DIBROMOCHLOROMETHANE	20.0	98	70 - 130
1,1-DICHLOROETHANE	20.0	110	70 - 130
1,2-DICHLOROETHANE	20.0	89	70 - 130
1,1-DICHLOROETHENE	20.0	119	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	111	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	112	70 - 130
1,2-DICHLOROPROPANE	20.0	103	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	106	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	99	70 - 130
ETHYLBENZENE	20.0	110	70 - 130
2-HEXANONE	20.0	109	70 - 130
METHYLENE CHLORIDE	20.0	114	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	106	70 - 130
STYRENE	20.0	106	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	103	70 - 130
TETRACHLOROETHENE	20.0	107	70 - 130
TOLUENE	20.0	109	70 - 130
1,1,1-TRICHLOROETHANE	20.0	104	70 - 130
1,1,2-TRICHLOROETHANE	20.0	100	70 - 130
TRICHLOROETHENE	20.0	113	70 - 130
VINYL CHLORIDE	20.0	111	70 - 130
O-XYLENE	20.0	100	70 - 130
M+P-XYLENE	40.0	105	70 - 130

REFERENCE 8

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 631192 ANALYTICAL RUN # : 89268

DATE ANALYZED : 04/07/03
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	101	50 - 150
BENZENE	20.0	104	70 - 130
BROMODICHLOROMETHANE	20.0	99	70 - 130
BROMOFORM	20.0	96	70 - 130
BROMOMETHANE	20.0	118	50 - 150
2-BUTANONE (MEK)	20.0	90	50 - 150
CARBON DISULFIDE	20.0	108	70 - 130
CARBON TETRACHLORIDE	20.0	102	70 - 130
CHLOROBENZENE	20.0	105	70 - 130
CHLOROETHANE	20.0	107	70 - 130
CHLOROFORM	20.0	107	70 - 130
CHLOROMETHANE	20.0	107	70 - 130
DIBROMOCHLOROMETHANE	20.0	100	70 - 130
1,1-DICHLOROETHANE	20.0	106	70 - 130
1,2-DICHLOROETHANE	20.0	100	70 - 130
1,1-DICHLOROETHENE	20.0	112	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	108	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	104	70 - 130
1,2-DICHLOROPROPANE	20.0	98	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	105	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	103	70 - 130
ETHYLBENZENE	20.0	108	70 - 130
2-HEXANONE	20.0	100	70 - 130
METHYLENE CHLORIDE	20.0	103	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	97	70 - 130
STYRENE	20.0	112	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	95	70 - 130
TETRACHLOROETHENE	20.0	111	70 - 130
TOLUENE	20.0	109	70 - 130
1,1,1-TRICHLOROETHANE	20.0	102	70 - 130
1,1,2-TRICHLOROETHANE	20.0	101	70 - 130
TRICHLOROETHENE	20.0	104	70 - 130
VINYL CHLORIDE	20.0	115	70 - 130
O-XYLENE	20.0	110	70 - 130
M+P-XYLENE	40.0	110	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 631185 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 89268

DATE ANALYZED : 04/02/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	106	%
TOLUENE-D8	(91 - 113 %)	107	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 631187 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 89268

DATE ANALYZED : 04/03/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	107	%
TOLUENE-D8	(91 - 113 %)	106	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/16/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 631191 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 89268

DATE ANALYZED : 04/07/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	110	%
TOLUENE-D8	(91 - 113 %)	105	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	105	%

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services, INC.
Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 2

SR #

CAS Contact

Project Name: LEICA, INC. 3/27/03
Project Number: 31129-200
Project Manager: ROBERT McPEAK
Report CC:
Company/Address: SCIENTECH, INC.
143 WEST ST.
NEW MILFORD, CT 06776
Phone #: 860-210-3063
FAX#: 860-210-3015
Sampler's Signature:
Sampler's Printed Name: JEFFREY KRONICK

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's 8260 ☐ 624 ☐ CLP	GC/MS SVOA's 8270 ☐ 625 ☐ CLP	GC VOA's 8021 ☐ 601/602	PESTICIDES 8081 ☐ 608 ☐ CLP	PCB's 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
DGWD 032703	629140	3/27/03	7:45	H_2O	3	X							
MW14	141		10:20		3	X							
MW14A	142		10:30		3	X							
MW22	143		10:45		3	X							
MW6A	144		11:10		3	X							
MW11	145		11:30		3	X							
MW4	146		11:45		3	X							
MW16R	147		12:00		3	X							
MW7	148		13:10		3	X							
MW6	149		13:30		3	X							

Preservative Key
0. ~~NONE~~
1. ~~HCl~~
2. ~~HNO_3~~
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

Test#2297

See QAPP ☐ TCL|846|2|Site|None

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 24 hr ___ 48 hr ___ 5 day
✓ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
___ V. Speicalized Forms / Custom Report
Edata ___ Yes ___ No

INVOICE INFORMATION
PO#
BILL TO:
R23162268
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 5°C CUSTODY SEALS: Y (N)

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature Wayne DeGolier	Signature Wayne DeGolier	Signature J. Smith	Signature J. Smith	Signature Kelly M. Cook K. Cook
Printed Name JEFFREY KRONICK	Printed Name Wayne DeGolier	Printed Name Wayne DeGolier	Printed Name CAS	Printed Name CAS	Printed Name CAS
Firm SCIENTECH, INC.	Firm ScienTech Inc	Firm ScienTech Inc	Firm	Firm	Firm
Date/Time 3/27/03 15:00	Date/Time 3/27/03 15:00	Date/Time 3/28/03 1020	Date/Time 3/28/03 1020	Date/Time 3/28/03 13:15	Date/Time 3/28/03 1315

SCOC-1102-08

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services, Inc.
An Employee - Owned Company
www.caslab.com

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C.A.S. #

CAS Contact

Project Name: LEICA, INC. 3/27/03	Project Number: 31129-200
Project Manager: ROBERT McPEAK	Report CC:
Company/Address: SCIENTECH, INC.	
143 WEST ST.	
NEW MILFORD, CT 06776	
Phone #: 860-210-3063	FAX#: 460-210-3015
Sampler's Signature:	Sampler's Printed Name: JEFFREY KRONICK

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☒ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MW1D	629150	3/27/03	13:45	H_2O	3	X							
MW11A	151		14:00	↓	3	X							
MW16A	152		14:10		3	X							
TRIP BLANK	153	3/24/03	13:00	↓	3	X							

Preservative Key
0. ~~NONE~~
1. ~~HCl~~
2. ~~HNO_3~~
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
__✓__ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
R23162G8
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 5°C CUSTODY SEALS: Y (N)

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature J. Smith	Signature J. Smith	Signature Kelly M. Cook
Printed Name: JEFFREY KRONICK	Printed Name: Wayne DeGolier	Printed Name: Wayne DeGolier	Printed Name: CAS	Printed Name: CAS	Printed Name: K. Cook
Firm: SCIENTECH, INC.	Firm: ScienTech Inc	Firm: ScienTech Inc.	Firm: 3/28/03 1020	Firm: 3/28/03 1315	Firm: 3/28/03 1315
Date/Time: 3/27/03 15:00	Date/Time: 3/27/03 15:00	Date/Time: 3/28/03 1020	Date/Time	Date/Time	Date/Time

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Scientech | Leica Submission Number R2316268.

Cooler received on 3/28/03 by: MM COURIER: (CAS) UPS FEDEX CD&L CLIENT

1.	Were custody seals on outside of cooler?			YES	(NO)	
2.	Were custody papers properly filled out (ink, signed, etc.)?			(YES)	NO	
3.	Did all bottles arrive in good condition (unbroken)?			(YES)	NO	
4.	Did any VOA vials have significant air bubbles?			YES	(NO)	N/A
5.	Were **Ice** or **Ice packs** present?			(YES)	NO	
6.	Where did the bottles originate?			(CAS/ROC)	CLIENT	
7.	Temperature of cooler(s) upon receipt:	5°C				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 3/28/03 1330

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 3-31-03 by: RE

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH_____

**If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

Other Comments:

Columbia Analytical Services, Inc.

This report contains analytical results for the following samples:

Submission #: R2317608

Lab ID	Client ID
655853	DGWD 071103
655854	MW11A
655855	MW16A
655856	MW14
655857	MW14A
655858	MW22
655859	MW6A
655860	MW16R
655874	TRIP BLANK

CASE NARRATIVE

COMPANY: Scientech Inc.
Leica
SUBMISSION #: R2317608

Water samples were collected on 07/11/03 and received at CAS-Rochester on 07/11/03 in good condition.

VOLATILE ORGANICS

Water samples were analyzed for TCL Volatile Organic Compounds by Method 8260B from SW-846.

All initial and continuing calibrations were compliant.

All matrix spike and blank spike recoveries were within QC.

Due to analyst error, samples MW-16R and TB were analyzed outside the required 14 day hold time.

No other analytical or QC problems were encountered with these analyses.

Columbia Analytical Services INC.
An Employee - Owned Company

Effective 6/12/2003

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : DGWD 071103

Date Sampled : 07/11/03 **Order #:** 655853 **Sample Matrix:** WATER
Date Received: 07/11/03 **Submission #:** R2317608 **Analytical Run** 93749

DATE ANALYZED : 07/22/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	87	%
TOLUENE-D8	(91 - 113 %)	97	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	110	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : MW11A

Date Sampled : 07/11/03 **Order #:** 655854 **Sample Matrix:** WATER
Date Received: 07/11/03 **Submission #:** R2317608 **Analytical Run** 93749

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/22/03			
ANALYTICAL DILUTION: 2.50			
ACETONE	20	50 U	UG/L
BENZENE	5.0	13 U	UG/L
BROMODICHLOROMETHANE	5.0	13 U	UG/L
BROMOFORM	5.0	13 U	UG/L
BROMOMETHANE	5.0	13 U	UG/L
2-BUTANONE (MEK)	10	25 U	UG/L
CARBON DISULFIDE	10	25 U	UG/L
CARBON TETRACHLORIDE	5.0	13 U	UG/L
CHLOROBENZENE	5.0	13 U	UG/L
CHLOROETHANE	5.0	13 U	UG/L
CHLOROFORM	5.0	13 U	UG/L
CHLOROMETHANE	5.0	13 U	UG/L
DIBROMOCHLOROMETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHANE	5.0	13 U	UG/L
1,2-DICHLOROETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHENE	5.0	13 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	320	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	13 U	UG/L
1,2-DICHLOROPROPANE	5.0	13 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
ETHYLBENZENE	5.0	13 U	UG/L
2-HEXANONE	10	25 U	UG/L
METHYLENE CHLORIDE	5.0	13 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	25 U	UG/L
STYRENE	5.0	13 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	13 U	UG/L
TETRACHLOROETHENE	5.0	13 U	UG/L
TOLUENE	5.0	13 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	13 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	13 U	UG/L
TRICHLOROETHENE	5.0	13 U	UG/L
VINYL CHLORIDE	5.0	170	UG/L
O-XYLENE	5.0	13 U	UG/L
M+P-XYLENE	5.0	13 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	88	%
TOLUENE-D8	(91 - 113 %)	98	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	113	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : MW16A

Date Sampled : 07/11/03 **Order #:** 655855 **Sample Matrix:** WATER
Date Received: 07/11/03 **Submission #:** R2317608 **Analytical Run** 93749

DATE ANALYZED : 07/22/03
ANALYTICAL DILUTION: 10.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	200 U	UG/L
BENZENE	5.0	50 U	UG/L
BROMODICHLOROMETHANE	5.0	50 U	UG/L
BROMOFORM	5.0	50 U	UG/L
BROMOMETHANE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON DISULFIDE	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROETHANE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
CHLOROMETHANE	5.0	50 U	UG/L
DIBROMOCHLOROMETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHANE	5.0	120	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	1100	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	50 U	UG/L
1,2-DICHLOROPROPANE	5.0	50 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
ETHYLBENZENE	5.0	50 U	UG/L
2-HEXANONE	10	100 U	UG/L
METHYLENE CHLORIDE	5.0	50 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	100 U	UG/L
STYRENE	5.0	50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TOLUENE	5.0	50 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	200	UG/L
1,1,2-TRICHLOROETHANE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	560	UG/L
VINYL CHLORIDE	5.0	330	UG/L
O-XYLENE	5.0	50 U	UG/L
M+P-XYLENE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	87	%
TOLUENE-D8	(91 - 113 %)	97	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	113	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : MW14

Date Sampled : 07/11/03 **Order #:** 655856 **Sample Matrix:** WATER
Date Received: 07/11/03 **Submission #:** R2317608 **Analytical Run** 93749

DATE ANALYZED : 07/22/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	320 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	140	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	85	%
TOLUENE-D8	(91 - 113 %)	97	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	112	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : MW14

Date Sampled : 07/11/03 **Order #:** 655856 **Sample Matrix:** WATER
Date Received: 07/11/03 **Submission #:** R2317608 **Analytical Run** 93749

DATE ANALYZED : 07/22/03
ANALYTICAL DILUTION: 2.50

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	50 U	UG/L
BENZENE	5.0	13 U	UG/L
BROMODICHLOROMETHANE	5.0	13 U	UG/L
BROMOFORM	5.0	13 U	UG/L
BROMOMETHANE	5.0	13 U	UG/L
2-BUTANONE (MEK)	10	25 U	UG/L
CARBON DISULFIDE	10	25 U	UG/L
CARBON TETRACHLORIDE	5.0	13 U	UG/L
CHLOROBENZENE	5.0	13 U	UG/L
CHLOROETHANE	5.0	13 U	UG/L
CHLOROFORM	5.0	13 U	UG/L
CHLOROMETHANE	5.0	13 U	UG/L
DIBROMOCHLOROMETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHANE	5.0	13 U	UG/L
1,2-DICHLOROETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHENE	5.0	13 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	280	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	13 U	UG/L
1,2-DICHLOROPROPANE	5.0	13 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
ETHYLBENZENE	5.0	13 U	UG/L
2-HEXANONE	10	25 U	UG/L
METHYLENE CHLORIDE	5.0	13 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	25 U	UG/L
STYRENE	5.0	13 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	13 U	UG/L
TETRACHLOROETHENE	5.0	13 U	UG/L
TOLUENE	5.0	13 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	13 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	13 U	UG/L
TRICHLOROETHENE	5.0	13 U	UG/L
VINYL CHLORIDE	5.0	110	UG/L
O-XYLENE	5.0	13 U	UG/L
M+P-XYLENE	5.0	13 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	85	%
TOLUENE-D8	(91 - 113 %)	96	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	112	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : MW14A

Date Sampled : 07/11/03 **Order #:** 655857 **Sample Matrix:** WATER
Date Received: 07/11/03 **Submission #:** R2317608 **Analytical Run** 93749

DATE ANALYZED : 07/22/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	49	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	20	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	86	%
TOLUENE-D8	(91 - 113 %)	97	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	113	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : MW22

Date Sampled : 07/11/03 **Order #:** 655858 **Sample Matrix:** WATER
Date Received: 07/11/03 **Submission #:** R2317608 **Analytical Run** 93749

DATE ANALYZED : 07/22/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	87	%
TOLUENE-D8	(91 - 113 %)	97	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	112	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : MW6A

Date Sampled : 07/11/03 **Order #:** 655859 **Sample Matrix:** WATER
Date Received: 07/11/03 **Submission #:** R2317608 **Analytical Run** 93749

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/22/03			
ANALYTICAL DILUTION: 2.00			
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	10 U	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	310	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	11	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	10 U	UG/L
VINYL CHLORIDE	5.0	92	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	86	%
TOLUENE-D8	(91 - 113 %)	97	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	114	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : MW16R

Date Sampled : 07/11/03 **Order #:** 655860 **Sample Matrix:** WATER
Date Received: 07/11/03 **Submission #:** R2317608 **Analytical Run** 93749

DATE ANALYZED : 07/29/03
ANALYTICAL DILUTION: 2.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	42	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	140	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10 U	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	230	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	46	UG/L
VINYL CHLORIDE	5.0	10 U	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	96	%
TOLUENE-D8	(91 - 113 %)	96	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	109	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Scientech Inc.
Project Reference: LEICA, INC.
Client Sample ID : TRIP BLANK

Date Sampled : / / **Order #:** 655874 **Sample Matrix:** WATER
Date Received: 07/14/03 **Submission #:** R2317608 **Analytical Run** 93749

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/28/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	100	%
TOLUENE-D8	(91 - 113 %)	100	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 660900 ANALYTICAL RUN # : 93749

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 07/22/03			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	79	50 - 150
BENZENE	20.0	87	70 - 130
BROMODICHLOROMETHANE	20.0	95	70 - 130
BROMOFORM	20.0	100	70 - 130
BROMOMETHANE	20.0	91	50 - 150
2-BUTANONE (MEK)	20.0	69	50 - 150
CARBON DISULFIDE	20.0	74	70 - 130
CARBON TETRACHLORIDE	20.0	100	70 - 130
CHLOROBENZENE	20.0	98	70 - 130
CHLOROETHANE	20.0	88	70 - 130
CHLOROFORM	20.0	91	70 - 130
CHLOROMETHANE	20.0	97	70 - 130
DIBROMOCHLOROMETHANE	20.0	103	70 - 130
1,1-DICHLOROETHANE	20.0	88	70 - 130
1,2-DICHLOROETHANE	20.0	106	70 - 130
1,1-DICHLOROETHENE	20.0	87	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	86	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	83	70 - 130
1,2-DICHLOROPROPANE	20.0	83	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	90	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	92	70 - 130
ETHYLBENZENE	20.0	97	70 - 130
2-HEXANONE	20.0	81	70 - 130
METHYLENE CHLORIDE	20.0	88	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	72	70 - 130
STYRENE	20.0	100	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	85	70 - 130
TETRACHLOROETHENE	20.0	109	70 - 130
TOLUENE	20.0	87	70 - 130
1,1,1-TRICHLOROETHANE	20.0	88	70 - 130
1,1,2-TRICHLOROETHANE	20.0	84	70 - 130
TRICHLOROETHENE	20.0	93	70 - 130
VINYL CHLORIDE	20.0	95	70 - 130
O-XYLENE	20.0	100	70 - 130
M+P-XYLENE	40.0	100	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 660902 ANALYTICAL RUN # : 93749

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 07/28/03			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	99	50 - 150
BENZENE	20.0	100	70 - 130
BROMODICHLOROMETHANE	20.0	101	70 - 130
BROMOFORM	20.0	99	70 - 130
BROMOMETHANE	20.0	103	50 - 150
2-BUTANONE (MEK)	20.0	107	50 - 150
CARBON DISULFIDE	20.0	105	70 - 130
CARBON TETRACHLORIDE	20.0	104	70 - 130
CHLOROBENZENE	20.0	97	70 - 130
CHLOROETHANE	20.0	100	70 - 130
CHLOROFORM	20.0	98	70 - 130
CHLOROMETHANE	20.0	103	70 - 130
DIBROMOCHLOROMETHANE	20.0	99	70 - 130
1,1-DICHLOROETHANE	20.0	100	70 - 130
1,2-DICHLOROETHANE	20.0	98	70 - 130
1,1-DICHLOROETHENE	20.0	103	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	97	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	96	70 - 130
1,2-DICHLOROPROPANE	20.0	96	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	101	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	101	70 - 130
ETHYLBENZENE	20.0	99	70 - 130
2-HEXANONE	20.0	102	70 - 130
METHYLENE CHLORIDE	20.0	101	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	104	70 - 130
STYRENE	20.0	97	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	100	70 - 130
TETRACHLOROETHENE	20.0	100	70 - 130
TOLUENE	20.0	100	70 - 130
1,1,1-TRICHLOROETHANE	20.0	98	70 - 130
1,1,2-TRICHLOROETHANE	20.0	100	70 - 130
TRICHLOROETHENE	20.0	98	70 - 130
VINYL CHLORIDE	20.0	103	70 - 130
O-XYLENE	20.0	100	70 - 130
M+P-XYLENE	40.0	100	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 660904 ANALYTICAL RUN # : 93749

DATE ANALYZED : 07/29/03
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	90	50 - 150
BENZENE	20.0	89	70 - 130
BROMODICHLOROMETHANE	20.0	95	70 - 130
BROMOFORM	20.0	92	70 - 130
BROMOMETHANE	20.0	95	50 - 150
2-BUTANONE (MEK)	20.0	77	50 - 150
CARBON DISULFIDE	20.0	94	70 - 130
CARBON TETRACHLORIDE	20.0	101	70 - 130
CHLOROBENZENE	20.0	90	70 - 130
CHLOROETHANE	20.0	93	70 - 130
CHLOROFORM	20.0	93	70 - 130
CHLOROMETHANE	20.0	98	70 - 130
DIBROMOCHLOROMETHANE	20.0	95	70 - 130
1,1-DICHLOROETHANE	20.0	91	70 - 130
1,2-DICHLOROETHANE	20.0	107	70 - 130
1,1-DICHLOROETHENE	20.0	89	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	84	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	87	70 - 130
1,2-DICHLOROPROPANE	20.0	83	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	91	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	95	70 - 130
ETHYLBENZENE	20.0	87	70 - 130
2-HEXANONE	20.0	79	70 - 130
METHYLENE CHLORIDE	20.0	95	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	78	70 - 130
STYRENE	20.0	88	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	82	70 - 130
TETRACHLOROETHENE	20.0	96	70 - 130
TOLUENE	20.0	84	70 - 130
1,1,1-TRICHLOROETHANE	20.0	91	70 - 130
1,1,2-TRICHLOROETHANE	20.0	87	70 - 130
TRICHLOROETHENE	20.0	87	70 - 130
VINYL CHLORIDE	20.0	100	70 - 130
O-XYLENE	20.0	89	70 - 130
M+P-XYLENE	40.0	90	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 660940 ANALYTICAL RUN # : 93749

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 07/22/03			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	85	50 - 150
BENZENE	20.0	86	70 - 130
BROMODICHLOROMETHANE	20.0	101	70 - 130
BROMOFORM	20.0	109	70 - 130
BROMOMETHANE	20.0	94	50 - 150
2-BUTANONE (MEK)	20.0	72	50 - 150
CARBON DISULFIDE	20.0	85	70 - 130
CARBON TETRACHLORIDE	20.0	106	70 - 130
CHLOROBENZENE	20.0	100	70 - 130
CHLOROETHANE	20.0	90	70 - 130
CHLOROFORM	20.0	99	70 - 130
CHLOROMETHANE	20.0	98	70 - 130
DIBROMOCHLOROMETHANE	20.0	109	70 - 130
1,1-DICHLOROETHANE	20.0	91	70 - 130
1,2-DICHLOROETHANE	20.0	110	70 - 130
1,1-DICHLOROETHENE	20.0	86	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	91	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	85	70 - 130
1,2-DICHLOROPROPANE	20.0	82	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	91	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	93	70 - 130
ETHYLBENZENE	20.0	100	70 - 130
2-HEXANONE	20.0	88	70 - 130
METHYLENE CHLORIDE	20.0	88	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	76	70 - 130
STYRENE	20.0	105	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	91	70 - 130
TETRACHLOROETHENE	20.0	110	70 - 130
TOLUENE	20.0	89	70 - 130
1,1,1-TRICHLOROETHANE	20.0	95	70 - 130
1,1,2-TRICHLOROETHANE	20.0	86	70 - 130
TRICHLOROETHENE	20.0	93	70 - 130
VINYL CHLORIDE	20.0	99	70 - 130
O-XYLENE	20.0	105	70 - 130
M+P-XYLENE	40.0	103	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :
Date Received:
Order #: 660899
Submission #:
Sample Matrix: WATER
Analytical Run 93749

DATE ANALYZED : 07/22/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	87	%
TOLUENE-D8	(91 - 113 %)	97	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	111	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 660901 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 93749

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/28/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	100	%
TOLUENE-D8	(91 - 113 %)	101	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :
Date Received:
Order #: 660903
Submission #:
Sample Matrix: WATER
Analytical Run 93749

DATE ANALYZED : 07/29/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	96	%
TOLUENE-D8	(91 - 113 %)	97	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 08/04/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :
Date Received:
Order #: 660939
Submission #:
Sample Matrix: WATER
Analytical Run 93749

DATE ANALYZED : 07/22/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	88	%
TOLUENE-D8	(91 - 113 %)	99	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	108	%

[redacted] CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

[redacted] Services INC.
Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE 1 OF 1

COC #

CAS Contact

Project Name: Leica Inc	Project Number: 31129-200
Project Manager: Robert McPeak	Report CC:
Company/Address: ScienTech Inc. 143 West St, New Milford, CT 06776	
Phone #: 860-210-3000	FAX#: 860-210-3015
Sampler's Signature: Wayne DeGolier	Sampler's Printed Name: Wayne DeGolier

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
DGWD 071103	53	7/11/03	8:40	H_2O	3	X							
MW 11A	54		9:05		3	X							
MW 16A	55		9:20		3	X							
MW 14	56		10:00		3	X							
MW 14A	57		10:15		3	X							
MW 22	58		10:35		3	X							
MW 6A	59		11:10		3	X							
MW 16R	60		11:25		3	X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Speicalized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: R217608

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Wayne DeGolier	Signature: J. Kraft	Signature: J. Kraft	Signature: Brian Colton	Signature:	Signature
Printed Name: Wayne DeGolier	Printed Name: CAS / J. Kraft	Printed Name: CAS	Printed Name: Brian Colton	Printed Name	Printed Name
Firm: ScienTech Inc	Firm: 7/11/03 11:55	Firm: 7/11/03 15:20	Firm: CAS 7/11/03 1520	Firm	Firm
Date/Time: 7/11/03 11:55	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

Cooler Receipt And Preservation Check Form

Project/Client Scientech Submission Number 7/14/03 R2-17608

Cooler received on 7/11/03 by: [illegible] COURIER: (CAS) UPS FEDEX CD&L CLIENT

1.	Were custody seals on outside of cooler?			YES	(NO)	
2.	Were custody papers properly filled out (ink, signed, etc.)?			(YES)	NO	
3.	Did all bottles arrive in good condition (unbroken)?			(YES)	NO	
4.	Did any VOA vials have significant air bubbles?			YES	(NO)	N/A
5.	Were **Ice** or **Ice packs** present?			(YES)	NO	
6.	Where did the bottles originate?			(CAS/ROC, CLIENT)		
7.	Temperature of cooler(s) upon receipt:	6				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 7/11/03 15:50

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 7/14/03 by: [illegible]

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2					

Other Comments:

Columbia Analytical Services, Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2318853

Lab ID	Client ID
681786	MW-6A
681787	MW-14A
681788	MW-16R
681789	MW-4
681790	MW-10
681791	MW-22
681792	MW-11A
681793	MW-16A
681794	DGWD 102103
681795	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.

An Employee - Owned Company

Effective 6/12/2003

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-6A

Date Sampled : 10/21/03 **Order #:** 681786 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 2.00			
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	10 U	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	380	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	19	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	10 U	UG/L
VINYL CHLORIDE	5.0	120	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	96	%
TOLUENE-D8	(88 - 124 %)	101	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	107	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-14A

Date Sampled : 10/21/03 **Order #:** 681787 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.4	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	6.5	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	96	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-16R

Date Sampled : 10/21/03 **Order #:** 681788 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 2.00			
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	100	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	430 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10 U	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	160	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	47	UG/L
VINYL CHLORIDE	5.0	10 U	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	99	%
TOLUENE-D8	(88 - 124 %)	101	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	107	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-16R

Date Sampled : 10/21/03 **Order #:** 681788 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 2.50			
ACETONE	20	50 U	UG/L
BENZENE	5.0	13 U	UG/L
BROMODICHLOROMETHANE	5.0	13 U	UG/L
BROMOFORM	5.0	13 U	UG/L
BROMOMETHANE	5.0	13 U	UG/L
2-BUTANONE (MEK)	10	25 U	UG/L
CARBON DISULFIDE	10	25 U	UG/L
CARBON TETRACHLORIDE	5.0	13 U	UG/L
CHLOROBENZENE	5.0	13 U	UG/L
CHLOROETHANE	5.0	13 U	UG/L
CHLOROFORM	5.0	13 U	UG/L
CHLOROMETHANE	5.0	13 U	UG/L
DIBROMOCHLOROMETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHANE	5.0	99	UG/L
1,2-DICHLOROETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHENE	5.0	13 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	450	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	13 U	UG/L
1,2-DICHLOROPROPANE	5.0	13 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
ETHYLBENZENE	5.0	13 U	UG/L
2-HEXANONE	10	25 U	UG/L
METHYLENE CHLORIDE	5.0	13 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	25 U	UG/L
STYRENE	5.0	13 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	13 U	UG/L
TETRACHLOROETHENE	5.0	13 U	UG/L
TOLUENE	5.0	13 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	160	UG/L
1,1,2-TRICHLOROETHANE	5.0	13 U	UG/L
TRICHLOROETHENE	5.0	50	UG/L
VINYL CHLORIDE	5.0	13 U	UG/L
O-XYLENE	5.0	13 U	UG/L
M+P-XYLENE	5.0	13 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	99	%
TOLUENE-D8	(88 - 124 %)	101	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-4

Date Sampled : 10/21/03 **Order #:** 681789 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 2.00			
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	10 U	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	260	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10 U	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	10 U	UG/L
VINYL CHLORIDE	5.0	130	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	99	%
TOLUENE-D8	(88 - 124 %)	101	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-10

Date Sampled : 10/21/03 **Order #:** 681790 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

DATE ANALYZED : 10/31/03
ANALYTICAL DILUTION: 2.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	10 U	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	1500 E	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	13	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	10 U	UG/L
VINYL CHLORIDE	5.0	110	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	96	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-10

Date Sampled : 10/21/03 **Order #:** 681790 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 10.00			
ACETONE	20	200 U	UG/L
BENZENE	5.0	50 U	UG/L
BROMODICHLOROMETHANE	5.0	50 U	UG/L
BROMOFORM	5.0	50 U	UG/L
BROMOMETHANE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON DISULFIDE	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROETHANE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
CHLOROMETHANE	5.0	50 U	UG/L
DIBROMOCHLOROMETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHANE	5.0	50 U	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	1600	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	50 U	UG/L
1,2-DICHLOROPROPANE	5.0	50 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
ETHYLBENZENE	5.0	50 U	UG/L
2-HEXANONE	10	100 U	UG/L
METHYLENE CHLORIDE	5.0	50 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	100 U	UG/L
STYRENE	5.0	50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TOLUENE	5.0	50 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	50 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	110	UG/L
O-XYLENE	5.0	50 U	UG/L
M+P-XYLENE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	98	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	109	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-22

Date Sampled : 10/21/03 **Order #:** 681791 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.7	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	98	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	109	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-11A

Date Sampled : 10/21/03 **Order #:** 681792 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 2.50			
ACETONE	20	50 U	UG/L
BENZENE	5.0	13 U	UG/L
BROMODICHLOROMETHANE	5.0	13 U	UG/L
BROMOFORM	5.0	13 U	UG/L
BROMOMETHANE	5.0	13 U	UG/L
2-BUTANONE (MEK)	10	25 U	UG/L
CARBON DISULFIDE	10	25 U	UG/L
CARBON TETRACHLORIDE	5.0	13 U	UG/L
CHLOROBENZENE	5.0	13 U	UG/L
CHLOROETHANE	5.0	13 U	UG/L
CHLOROFORM	5.0	13 U	UG/L
CHLOROMETHANE	5.0	13 U	UG/L
DIBROMOCHLOROMETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHANE	5.0	13 U	UG/L
1,2-DICHLOROETHANE	5.0	13 U	UG/L
1,1-DICHLOROETHENE	5.0	13 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	340	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	13 U	UG/L
1,2-DICHLOROPROPANE	5.0	13 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	13 U	UG/L
ETHYLBENZENE	5.0	13 U	UG/L
2-HEXANONE	10	25 U	UG/L
METHYLENE CHLORIDE	5.0	13 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	25 U	UG/L
STYRENE	5.0	13 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	13 U	UG/L
TETRACHLOROETHENE	5.0	13 U	UG/L
TOLUENE	5.0	13 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	13 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	13 U	UG/L
TRICHLOROETHENE	5.0	13 U	UG/L
VINYL CHLORIDE	5.0	38	UG/L
O-XYLENE	5.0	13 U	UG/L
M+P-XYLENE	5.0	13 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	96	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : MW-16A

Date Sampled : 10/21/03 **Order #:** 681793 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 10.00			
ACETONE	20	200 U	UG/L
BENZENE	5.0	50 U	UG/L
BROMODICHLOROMETHANE	5.0	50 U	UG/L
BROMOFORM	5.0	50 U	UG/L
BROMOMETHANE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON DISULFIDE	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROETHANE	5.0	50 U	UG/L
CHLOROFORM	5.0	50 U	UG/L
CHLOROMETHANE	5.0	50 U	UG/L
DIBROMOCHLOROMETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHANE	5.0	120	UG/L
1,2-DICHLOROETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHENE	5.0	50 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	1300	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	50 U	UG/L
1,2-DICHLOROPROPANE	5.0	50 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
ETHYLBENZENE	5.0	50 U	UG/L
2-HEXANONE	10	100 U	UG/L
METHYLENE CHLORIDE	5.0	50 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	100 U	UG/L
STYRENE	5.0	50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	50 U	UG/L
TOLUENE	5.0	50 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	250	UG/L
1,1,2-TRICHLOROETHANE	5.0	50 U	UG/L
TRICHLOROETHENE	5.0	430	UG/L
VINYL CHLORIDE	5.0	380	UG/L
O-XYLENE	5.0	50 U	UG/L
M+P-XYLENE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	96	%
TOLUENE-D8	(88 - 124 %)	98	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : DGWD 102103

Date Sampled : 10/21/03 **Order #:** 681794 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	38	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.5	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	99	%
TOLUENE-D8	(88 - 124 %)	99	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	109	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Scientech Inc.
Project Reference: LEICA, INC. PROJECT #31129-200
Client Sample ID : TRIP BLANK

Date Sampled : 10/21/03 **Order #:** 681795 **Sample Matrix:** WATER
Date Received: 10/22/03 **Submission #:** R2318853 **Analytical Run** 97695

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	101	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	111	%

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 688376 ANALYTICAL RUN # : 97695

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 10/31/03			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	105	50 - 150
BENZENE	20.0	95	70 - 130
BROMODICHLOROMETHANE	20.0	101	70 - 130
BROMOFORM	20.0	92	70 - 130
BROMOMETHANE	20.0	93	50 - 150
2-BUTANONE (MEK)	20.0	97	50 - 150
CARBON DISULFIDE	20.0	106	70 - 130
CARBON TETRACHLORIDE	20.0	98	70 - 130
CHLOROBENZENE	20.0	90	70 - 130
CHLOROETHANE	20.0	93	70 - 130
CHLOROFORM	20.0	103	70 - 130
CHLOROMETHANE	20.0	95	70 - 130
DIBROMOCHLOROMETHANE	20.0	94	70 - 130
1,1-DICHLOROETHANE	20.0	98	70 - 130
1,2-DICHLOROETHANE	20.0	104	70 - 130
1,1-DICHLOROETHENE	20.0	94	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	100	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	94	70 - 130
1,2-DICHLOROPROPANE	20.0	92	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	92	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	93	70 - 130
ETHYLBENZENE	20.0	89	70 - 130
2-HEXANONE	20.0	86	70 - 130
METHYLENE CHLORIDE	20.0	104	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	90	70 - 130
STYRENE	20.0	87	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	74	70 - 130
TETRACHLOROETHENE	20.0	91	70 - 130
TOLUENE	20.0	93	70 - 130
1,1,1-TRICHLOROETHANE	20.0	95	70 - 130
1,1,2-TRICHLOROETHANE	20.0	95	70 - 130
TRICHLOROETHENE	20.0	106	70 - 130
VINYL CHLORIDE	20.0	97	70 - 130
O-XYLENE	20.0	90	70 - 130
M+P-XYLENE	40.0	88	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 688378 ANALYTICAL RUN # : 97695

DATE ANALYZED : 10/31/03
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	104	50 - 150
BENZENE	20.0	93	70 - 130
BROMODICHLOROMETHANE	20.0	104	70 - 130
BROMOFORM	20.0	99	70 - 130
BROMOMETHANE	20.0	84	50 - 150
2-BUTANONE (MEK)	20.0	107	50 - 150
CARBON DISULFIDE	20.0	93	70 - 130
CARBON TETRACHLORIDE	20.0	106	70 - 130
CHLOROBENZENE	20.0	90	70 - 130
CHLOROETHANE	20.0	96	70 - 130
CHLOROFORM	20.0	100	70 - 130
CHLOROMETHANE	20.0	84	70 - 130
DIBROMOCHLOROMETHANE	20.0	98	70 - 130
1,1-DICHLOROETHANE	20.0	90	70 - 130
1,2-DICHLOROETHANE	20.0	104	70 - 130
1,1-DICHLOROETHENE	20.0	93	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	94	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	94	70 - 130
1,2-DICHLOROPROPANE	20.0	89	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	96	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	101	70 - 130
ETHYLBENZENE	20.0	92	70 - 130
2-HEXANONE	20.0	106	70 - 130
METHYLENE CHLORIDE	20.0	96	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	108	70 - 130
STYRENE	20.0	88	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	94	70 - 130
TETRACHLOROETHENE	20.0	100	70 - 130
TOLUENE	20.0	93	70 - 130
1,1,1-TRICHLOROETHANE	20.0	95	70 - 130
1,1,2-TRICHLOROETHANE	20.0	94	70 - 130
TRICHLOROETHENE	20.0	95	70 - 130
VINYL CHLORIDE	20.0	88	70 - 130
O-XYLENE	20.0	91	70 - 130
M+P-XYLENE	40.0	93	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :
Date Received:
Order #: 688375
Submission #:
Sample Matrix: WATER
Analytical Run 97695

DATE ANALYZED : 10/31/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	98	%
TOLUENE-D8	(88 - 124 %)	102	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	107	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 11/17/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 688377 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 97695

DATE ANALYZED : 10/31/03
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	100	%
TOLUENE-D8	(88 - 124 %)	101	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	109	%

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 1

SR #

CAS Contact

Project Name	Project Number
LEICA, INC	311291-200
Project Manager	**Report CC**
ROBERT MCPEAK	
Company/Address	
SCIENTECH, INC.	
143 WEST ST.	
NEW MILFORD, CT 06776	
Phone #	**FAX#**
860-210-3063	860-210-3015
Sampler's Signature	**Sampler's Printed Name**
	JEFFREY KRONICK

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MW-6A	608786	10/21/03	11:30	H_2O	3	X							
MW-14A	87		14:00		3	X							
MW-14R	88		14:40		3	X							
MW-4	89		15:00		3	X							
MW-10	90		15:15		3	X							
MW-02	91		15:50		3	X							
MW-11A	92		15:50		3	X							
MW-16A	93		16:00		3	X							
DGWD 102103	94		16:10		3	X							
TRIP BLANK	95	10/21/03	14:00		3	X							

Preservative Key
0. NONE
1. HCl
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 24 hr _____ 48 hr _____ 5 day
✓ STANDARD
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

REPORT REQUIREMENTS
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
_____ IV. Data Validation Report with Raw Data
_____ V. Speicalized Forms / Custom Report
Edata _____ Yes _____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature	Signature
Printed Name: JEFFREY KRONICK	Printed Name: J. BRITT	Printed Name: J. BRITT	Printed Name: Grezgorz A. Esmerian	Printed Name	Printed Name
Firm: LEICA, INC.	Firm: CAS	Firm: CAS	Firm: CAS	Firm	Firm
Date/Time: 10/22/03 1100	Date/Time: 10/22/03 1100	Date/Time: 10/22/03 1220	Date/Time: 10-22-03 12:20	Date/Time	Date/Time

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Scientech Submission Number R2-18853

Cooler received on 10-22-03 by: KE COURIER: (CAS) UPS FEDEX CD&L CLIENT

1.	Were custody seals on outside of cooler?			YES	(NO)	
2.	Were custody papers properly filled out (ink, signed, etc.)?			(YES)	NO	
3.	Did all bottles arrive in good condition (unbroken)?			(YES)	NO	
4.	Did any VOA vials have significant air bubbles?			YES	(NO)	N/A
5.	Were (Ice or Ice packs present?			(YES)	NO	
6.	Where did the bottles originate?			(CAS/ROC)	CLIENT	
7.	Temperature of cooler(s) upon receipt:	1°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 10-22-03 @ 12:25

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 10-23-03 by: KE

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

Other Comments: