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ANALYTICAL REPORT

CCL - DANVILLE, ILLINOIS

Lot #: A1E180248

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CASE NARRATIVE

A1E180248

The following report contains the analytical results for twenty-two water samples and two quality control samples submitted to STL North Canton by CCL Custom Manufacturing, Inc. from the CCL - Danville, Illinois Site. The samples were received on May 18, 2001, according to documented sample acceptance procedures.

STL utilizes only USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the following page in accordance with the methods indicated. A summary of QC data for these analyses is included at the rear of the report.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

GC/MS VOLATILES

Sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

Sample(s) which contain results between the MDL and the RL are flagged with a "J". There is the possibility of false positive or misidentification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation will be performed only down to the standard reporting limit (SRL). The acceptance criteria for QC criteria may not be met at these quantitation levels.

2-Chloroethyl vinyl ether cannot be reliably recovered in an acid preserved sample. The reporting limit was noted as "- -".

GENERAL CHEMISTRY

Some samples had elevated reporting limits due to matrix interferences or dilution.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

** for analyses run on TJA Trace ICP or GFAA only*

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample are spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If the surrogate recoveries are outside criteria for environmental or MS/MSD samples, the batch is acceptable if the Method Blank, LCS, and LCSD surrogate recoveries are within acceptance criteria. The only exception is if the surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank and the associated sample(s) are ND, the batch is acceptable. If the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide/PCB, PAH, and Herbicide methods, the surrogate criteria is that one of two surrogate compounds meet acceptance criteria.

ANALYTICAL METHODS SUMMARY

A1E180248

PARAMETER	ANALYTICAL METHOD
Field pH	MCAWW 150.1
Field Conductivity	MCAWW 120.1
Field Temperature	MCAWW 170.1
Total Organic Carbon	SW846 9060
Total Organic Halogens	SW846 9020A
Volatile Organics by GC/MS	SW846 8260B

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A1E180248

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EDLPW	001	TRIP BLANK	05/14/01	07:30
EDLQE	002	MW-8	05/15/01	12:30
EDLQW	003	MW-4	05/16/01	13:30
EDLQ2	004	MW-7A	05/15/01	12:40
EDLQ3	005	MW-7	05/15/01	12:50
EDLQ5	006	FIELD BLANK	05/16/01	17:00
EDLRA	007	MW-3L	05/15/01	16:25
EDLRF	008	MW-3B	05/15/01	13:00
EDLRP	009	MW-3B DUPLICATE	05/15/01	13:00
EDLR6	010	MW-3E	05/16/01	11:15
EDLR9	011	MW-3K	05/16/01	
EDLTE	012	MW-9A	05/16/01	11:30
EDLTG	013	MW-9C	05/16/01	15:10
EDLTH	014	MW-9B	05/16/01	15:15
EDLTL	015	MW-4B	05/16/01	15:25
EDLTM	016	MW-4A	05/16/01	15:35
EDLTN	017	MW-4A DUPLICATE	05/16/01	15:35
EDLTP	018	MW-6	05/16/01	15:55
EDLTR	019	MW-5D	05/16/01	11:40
EDLTT	020	MW-5D DUPLICATE	05/16/01	16:10
EDLTV	021	MW-3F	05/16/01	16:25
EDLTW	022	IPS-2	05/16/01	13:50
EDLT0	023	AS-1	05/16/01	16:45
EDLWW	024	TRIP BLANK	05/16/01	16:50

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CCL CUSTOM MANUFACTURING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A1E180248-001 **Work Order #...:** EDLPW1AE **Matrix.....:** WQ
Date Sampled...: 05/14/01 07:30 **Date Received..:** 05/18/01
Prep Date.....: 05/22/01 **Analysis Date..:** 05/22/01
Prep Batch #...: 1142408
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromoform	ND	5.0	ug/L
Dichlorofluoromethane	ND	10	ug/L
1,4-Dioxane	ND	1000	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Dimethoxymethane	ND	10	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
2-Hexanone	ND	50	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
n-Butyl alcohol	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	ND	5.0	ug/L
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	50	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A1E180248-001 **Work Order #...:** EDLPW1AE **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(78 - 115)
1,2-Dichloroethane-d4	98	(77 - 120)
Toluene-d8	104	(78 - 111)
4-Bromofluorobenzene	81	(80 - 114)

CCL CUSTOM MANUFACTURING

Client Sample ID: TRIP BLANK

General Chemistry

Lot-Sample #...: A1E180248-001 **Work Order #...:** EDLPW **Matrix.....:** WQ
Date Sampled...: 05/14/01 07:30 **Date Received..:** 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1	mg/L	SW846 9060	05/19/01	1141144

Dilution Factor: 1

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-8

General Chemistry

Lot-Sample #...: A1E180248-002 Work Order #...: EDLQE Matrix.....: WG
Date Sampled...: 05/15/01 12:30 Date Received..: 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Field pH	6.6	--	No Units	MCAWW 150.1	05/15/01	1157136
		Dilution Factor: 1				
Field pH 2	6.6	--	No Units	MCAWW 150.1	05/15/01	1157136
		Dilution Factor: 1				
Field pH 3	6.6	--	No Units	MCAWW 150.1	05/15/01	1157136
		Dilution Factor: 1				
Field pH 4	6.6	--	No Units	MCAWW 150.1	05/15/01	1157136
		Dilution Factor: 1				
Field Conductivity	1540	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157136
		Dilution Factor: 1				
Field Conductivity 2	1430	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157136
		Dilution Factor: 1				
Field Conductivity 3	1440	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157136
		Dilution Factor: 1				
Field Conductivity 4	1440	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157136
		Dilution Factor: 1				
Field Temperature	17.5	--	deg C	MCAWW 170.1	05/15/01	1157136
		Dilution Factor: 1				
Field Temperature 2	19.3	--	deg C	MCAWW 170.1	05/15/01	1157136
		Dilution Factor: 1				
Field Temperature 3	18.6	--	deg C	MCAWW 170.1	05/15/01	1157136
		Dilution Factor: 1				
Field Temperature 4	20.7	--	deg C	MCAWW 170.1	05/15/01	1157136
		Dilution Factor: 1				
Total Organic Carbon	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Carbon 1 2	1	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 3	ND	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 4	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1				

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-8

General Chemistry

Lot-Sample #...: A1E180248-002 **Work Order #...:** EDLQE **Matrix.....:** WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens 2	ND	30	ug/L	SW846 9020A	05/24/01	1144491
	Dilution Factor: 1					
Total Organic Halogens 3	ND	30	ug/L	SW846 9020A	05/24/01	1144491
	Dilution Factor: 1					
Total Organic Halogens 4	ND	30	ug/L	SW846 9020A	05/24/01	1144491
	Dilution Factor: 1					

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: A1E180248-003 Work Order #...: EDLQW Matrix.....: WG
Date Sampled...: 05/16/01 13:30 Date Received..: 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Field pH	**7.1**	--	**No Units**	**MCAWW 150.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field pH 2	**7.2**	--	**No Units**	**MCAWW 150.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field pH 3	**7.2**	--	**No Units**	**MCAWW 150.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field pH 4	**7.2**	--	**No Units**	**MCAWW 150.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field Conductivity	**1290**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field Conductivity 2	**1310**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field Conductivity 3	**1260**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field Conductivity 4	**1310**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field Temperature	**23.7**	--	**deg C**	**MCAWW 170.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field Temperature 2	**22.5**	--	**deg C**	**MCAWW 170.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field Temperature 3	**24.8**	--	**deg C**	**MCAWW 170.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Field Temperature 4	**22.8**	--	**deg C**	**MCAWW 170.1**	**05/16/01**	**1157168**
		Dilution Factor: 1				
Total Organic Carbon	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Carbon 2	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Carbon 3	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Carbon 4	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/24/01	1144490
		Dilution Factor: 1				

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-4

General Chemistry

Lot-Sample #...: A1E180248-003 Work Order #...: EDLQW Matrix.....: WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens 2	ND	30	ug/L	SW846 9020A	05/24/01	1144490
	Dilution Factor: 1					
Total Organic Halogens 3	ND	30	ug/L	SW846 9020A	05/24/01	1144490
	Dilution Factor: 1					
Total Organic Halogens 4	ND	30	ug/L	SW846 9020A	05/24/01	1144490
	Dilution Factor: 1					

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-7A

General Chemistry

Lot-Sample #...: A1E180248-004 Work Order #...: EDLQ2 Matrix.....: WG
Date Sampled...: 05/15/01 12:40 Date Received..: 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Field pH	7.0	--	No Units	MCAWW 150.1	05/15/01	1157157
		Dilution Factor: 1				
Field pH 2	7.0	--	No Units	MCAWW 150.1	05/15/01	1157157
		Dilution Factor: 1				
Field pH 3	6.9	--	No Units	MCAWW 150.1	05/15/01	1157157
		Dilution Factor: 1				
Field pH 4	6.9	--	No Units	MCAWW 150.1	05/15/01	1157157
		Dilution Factor: 1				
Field Conductivity	2410	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157157
		Dilution Factor: 1				
Field Conductivity 2	2430	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157157
		Dilution Factor: 1				
Field Conductivity 3	2470	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157157
		Dilution Factor: 1				
Field Conductivity 4	2420	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157157
		Dilution Factor: 1				
Field Temperature	15.3	--	deg C	MCAWW 170.1	05/15/01	1157157
		Dilution Factor: 1				
Field Temperature 2	16.7	--	deg C	MCAWW 170.1	05/15/01	1157157
		Dilution Factor: 1				
Field Temperature 3	16.2	--	deg C	MCAWW 170.1	05/15/01	1157157
		Dilution Factor: 1				
Field Temperature 4	15.8	--	deg C	MCAWW 170.1	05/15/01	1157157
		Dilution Factor: 1				
Total Organic Carbon	2	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 2	2	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 3	2	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 4	2	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/24/01	1144490
		Dilution Factor: 1				

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-7A

General Chemistry

Lot-Sample #...: A1E180248-004 Work Order #...: EDLQ2 Matrix.....: WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens 2	ND	30	ug/L	SW846 9020A	05/24/01	1144490
	Dilution Factor: 1					
Total Organic Halogens 3	ND	30	ug/L	SW846 9020A	05/24/01	1144490
	Dilution Factor: 1					
Total Organic Halogens 4	ND	30	ug/L	SW846 9020A	05/24/01	1144490
	Dilution Factor: 1					

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-7

General Chemistry

Lot-Sample #...: A1E180248-005 **Work Order #...:** EDLQ3 **Matrix.....:** WG
Date Sampled...: 05/15/01 12:50 **Date Received..:** 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Field pH	**7.2**	--	**No Units**	**MCAWW 150.1**	**05/15/01**	**1157157**
		Dilution Factor: 1				
Field pH 2	**7.2**	--	**No Units**	**MCAWW 150.1**	**05/15/01**	**1157157**
		Dilution Factor: 1				
Field pH 3	**7.3**	--	**No Units**	**MCAWW 150.1**	**05/15/01**	**1157157**
		Dilution Factor: 1				
Field pH 4	**7.2**	--	**No Units**	**MCAWW 150.1**	**05/15/01**	**1157157**
		Dilution Factor: 1				
Field Conductivity	**1100**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/15/01**	**1157165**
		Dilution Factor: 1				
Field Conductivity 2	**1080**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/15/01**	**1157165**
		Dilution Factor: 1				
Field Conductivity 3	**1090**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/15/01**	**1157165**
		Dilution Factor: 1				
eld Conductivity 4	**1090**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/15/01**	**1157165**
		Dilution Factor: 1				
Field Temperature	**15.9**	--	**deg C**	**MCAWW 170.1**	**05/15/01**	**1157157**
		Dilution Factor: 1				
Field Temperature 2	**17.3**	--	**deg C**	**MCAWW 170.1**	**05/15/01**	**1157157**
		Dilution Factor: 1				
Field Temperature 3	**16.6**	--	**deg C**	**MCAWW 170.1**	**05/15/01**	**1157157**
		Dilution Factor: 1				
Field Temperature 4	**17.2**	--	**deg C**	**MCAWW 170.1**	**05/15/01**	**1157157**
		Dilution Factor: 1				
Total Organic Carbon	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Carbon 2	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Carbon 3	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Carbon 4	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1				

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-7

General Chemistry

Lot-Sample #...: A1E180248-005 Work Order #...: EDLQ3 Matrix.....: WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens 2	ND	30	ug/L	SW846 9020A	05/24/01	1144491
	Dilution Factor: 1					
Total Organic Halogens 3	ND	30	ug/L	SW846 9020A	05/24/01	1144491
	Dilution Factor: 1					
Total Organic Halogens 4	ND	30	ug/L	SW846 9020A	05/24/01	1144491
	Dilution Factor: 1					

CCL CUSTOM MANUFACTURING

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: A1E180248-006 **Work Order #...:** EDLQ51AE **Matrix.....:** WG
Date Sampled...: 05/16/01 17:00 **Date Received..:** 05/18/01
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	50	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
2-Hexanone	ND	50	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
n-Butyl alcohol	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
Dichlorofluoromethane	ND	10	ug/L
1,4-Dioxane	ND	1000	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Dimethoxymethane	ND	10	ug/L
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**1.5 J,B**	**5.0**	**ug/L**

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CCL CUSTOM MANUFACTURING

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: A1E180248-006 **Work Order #...:** EDLQ51AE **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(78 - 115)
1,2-Dichloroethane-d4	112	(77 - 120)
Toluene-d8	109	(78 - 111)
4-Bromofluorobenzene	108	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: FIELD BLANK

General Chemistry

Lot-Sample #...: A1E180248-006 **Work Order #...:** EDLQ5 **Matrix.....:** WG
Date Sampled...: 05/16/01 17:00 **Date Received..:** 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/24/01	1144490
		Dilution Factor: 1				

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3L

GC/MS Volatiles

Lot-Sample #...: A1E180248-007 **Work Order #...:** EDLRA1AA **Matrix.....:** WG
Date Sampled...: 05/15/01 16:25 **Date Received..:** 05/18/01
Prep Date.....: 05/22/01 **Analysis Date..:** 05/22/01
Prep Batch #...: 1142408
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
2-Hexanone	ND	50	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	ND	5.0	ug/L
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	50	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
n-Butyl alcohol	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3L

GC/MS Volatiles

Lot-Sample #...: A1E180248-007 **Work Order #...:** EDLRA1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorofluoromethane	ND	10	ug/L
1,4-Dioxane	ND	1000	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Dimethoxymethane	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(78 - 115)
1,2-Dichloroethane-d4	100	(77 - 120)
Toluene-d8	105	(78 - 111)
4-Bromofluorobenzene	82	(80 - 114)

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3B

General Chemistry

Lot-Sample #...: A1E180248-008 Work Order #...: EDLRF Matrix.....: WG
Date Sampled...: 05/15/01 13:00 Date Received..: 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Field pH	7.5	--	No Units	MCAWW 150.1	05/15/01	1157165
		Dilution Factor: 1				
Field pH 2	7.5	--	No Units	MCAWW 150.1	05/15/01	1157165
		Dilution Factor: 1				
Field pH 3	7.5	--	No Units	MCAWW 150.1	05/15/01	1157165
		Dilution Factor: 1				
Field pH 4	7.5	--	No Units	MCAWW 150.1	05/15/01	1157165
		Dilution Factor: 1				
Field Conductivity	611	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157165
		Dilution Factor: 1				
Field Conductivity 2	594	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157165
		Dilution Factor: 1				
Field Conductivity 3	606	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157165
		Dilution Factor: 1				
Field Conductivity 4	599	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157165
		Dilution Factor: 1				
Field Temperature 3	16.9	--	deg C	MCAWW 170.1	05/15/01	1157165
		Dilution Factor: 1				
Field Temperature 4	18.7	--	deg C	MCAWW 170.1	05/15/01	1157165
		Dilution Factor: 1				
Field Temperature	15.7	--	deg C	MCAWW 170.1	05/15/01	1157165
		Dilution Factor: 1				
Field Temperature 2	16.8	--	deg C	MCAWW 170.1	05/15/01	1157165
		Dilution Factor: 1				
Total Organic Carbon	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Carbon 2	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Carbon 3	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Carbon 4	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/24/01	1144490
		Dilution Factor: 1				

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3B

General Chemistry

Lot-Sample #...: A1E180248-008 **Work Order #...:** EDLRF **Matrix.....:** WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens 2	ND	30	ug/L	SW846 9020A	05/24/01	1144490
	Dilution Factor: 1					
Total Organic Halogens 3	ND	30	ug/L	SW846 9020A	05/24/01	1144490
	Dilution Factor: 1					
Total Organic Halogens 4	ND	30	ug/L	SW846 9020A	05/24/01	1144490
	Dilution Factor: 1					

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3B DUPLICATE

General Chemistry

Lot-Sample #...: A1E180248-009 Work Order #...: EDLRP Matrix.....: WG
Date Sampled...: 05/15/01 13:00 Date Received..: 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Field pH	7.5	--	No Units	MCAWW 150.1	05/15/01	1157136
		Dilution Factor: 1				
Field Conductivity	599	1.0	umhos/cm	MCAWW 120.1	05/15/01	1157136
		Dilution Factor: 1				
Field Temperature	18.7	--	deg C	MCAWW 170.1	05/15/01	1157136
		Dilution Factor: 1				
Total Organic Carbon	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1				

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3E

General Chemistry

Lot-Sample #...: A1E180248-010 Work Order #...: EDLR6 Matrix.....: WG
Date Sampled...: 05/16/01 11:15 Date Received..: 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Field pH	7.0	--	No Units	MCAWW 150.1	05/16/01	1157168
		Dilution Factor: 1				
Field pH 2	7.0	--	No Units	MCAWW 150.1	05/16/01	1157168
		Dilution Factor: 1				
Field pH 3	7.0	--	No Units	MCAWW 150.1	05/16/01	1157168
		Dilution Factor: 1				
Field pH 4	7.0	--	No Units	MCAWW 150.1	05/16/01	1157168
		Dilution Factor: 1				
Field Conductivity	382	1.0	umhos/cm	MCAWW 120.1	05/16/01	1157173
		Dilution Factor: 1				
Field Conductivity 2	385	1.0	umhos/cm	MCAWW 120.1	05/16/01	1157173
		Dilution Factor: 1				
Field Conductivity 3	372	1.0	umhos/cm	MCAWW 120.1	05/16/01	1157173
		Dilution Factor: 1				
ield Conductivity 4	378	1.0	umhos/cm	MCAWW 120.1	05/16/01	1157173
		Dilution Factor: 1				
Field Temperature	17.3	--	deg C	MCAWW 170.1	05/16/01	1157168
		Dilution Factor: 1				
Field Temperature 2	17.5	--	deg C	MCAWW 170.1	05/16/01	1157168
		Dilution Factor: 1				
Field Temperature 3	18.5	--	deg C	MCAWW 170.1	05/16/01	1157168
		Dilution Factor: 1				
Field Temperature 4	18.1	--	deg C	MCAWW 170.1	05/16/01	1157168
		Dilution Factor: 1				
Total Organic Carbon 2		1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 2 2		1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 2 3		1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 2 4		1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1				

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3E

General Chemistry

Lot-Sample #...: A1E180248-010 **Work Order #...:** EDLR6 **Matrix.....:** WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens 2	ND	30	ug/L	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1				
Total Organic Halogens 3	ND	30	ug/L	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1				
Total Organic Halogens 4	ND	30	ug/L	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1				

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3K

GC/MS Volatiles

Lot-Sample #...: A1E180248-011 **Work Order #...:** EDLR91AA **Matrix.....:** WG
Date Sampled...: 05/16/01 **Date Received..:** 05/18/01
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**1.7 J,B**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	50	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
2-Hexanone	ND	50	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
n-Butyl alcohol	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3K

GC/MS Volatiles

Lot-Sample #...: A1E180248-011 Work Order #...: EDLR91AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorofluoromethane	ND	10	ug/L
1,4-Dioxane	ND	1000	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Dimethoxymethane	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(78 - 115)
1,2-Dichloroethane-d4	106	(77 - 120)
Toluene-d8	110	(78 - 111)
4-Bromofluorobenzene	108	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-9A

General Chemistry

Lot-Sample #...: A1E180248-012 **Work Order #...:** EDLTE **Matrix.....:** WG
Date Sampled...: 05/16/01 11:30 **Date Received..:** 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Field pH 2	**6.9**	--	**No Units**	**MCAWW 150.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field pH 3	**6.9**	--	**No Units**	**MCAWW 150.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field pH	**6.9**	--	**No Units**	**MCAWW 150.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field pH 4	**6.9**	--	**No Units**	**MCAWW 150.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field Conductivity	**2200**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field Conductivity 2	**2170**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field Conductivity 3	**2170**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field Conductivity 4	**2170**	**1.0**	**umhos/cm**	**MCAWW 120.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field Temperature	**17.1**	--	**deg C**	**MCAWW 170.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field Temperature 2	**17.5**	--	**deg C**	**MCAWW 170.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field Temperature 3	**17.5**	--	**deg C**	**MCAWW 170.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Field Temperature 4	**17.9**	--	**deg C**	**MCAWW 170.1**	**05/16/01**	**1157173**
		Dilution Factor: 1				
Total Organic Carbon	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Carbon 2	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Carbon 3	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Carbon 4	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/30/01	1151198
		Dilution Factor: 1				

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-9A

General Chemistry

Lot-Sample #...: A1E180248-012 Work Order #...: EDLTE Matrix.....: WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens 2	ND	30	ug/L	SW846 9020A	05/30/01	1151198
	Dilution Factor: 1					
Total Organic Halogens 3	ND	30	ug/L	SW846 9020A	05/30/01	1151198
	Dilution Factor: 1					
Total Organic Halogens 4	ND	30	ug/L	SW846 9020A	05/30/01	1151198
	Dilution Factor: 1					

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-9C

GC/MS Volatiles

Lot-Sample #...: A1E180248-013 **Work Order #...:** EDLTG1AA **Matrix.....:** WG
Date Sampled...: 05/16/01 15:10 **Date Received..:** 05/18/01
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**2.1 J,B**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	50	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
2-Hexanone	ND	50	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
n-Butyl alcohol	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
Dichlorofluoromethane	ND	10	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-9C

GC/MS Volatiles

Lot-Sample #...: A1E180248-013 Work Order #...: EDLTG1AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dioxane	ND	1000	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Dimethoxymethane	ND	10	ug/L
Chloromethane	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(78 - 115)
1,2-Dichloroethane-d4	107	(77 - 120)
Toluene-d8	111	(78 - 111)
4-Bromofluorobenzene	104	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-9B

GC/MS Volatiles

Lot-Sample #...: A1E180248-014 **Work Order #...:** EDLTH1AA **Matrix.....:** WG
Date Sampled...: 05/16/01 15:15 **Date Received..:** 05/18/01
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**2.8 J,B**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	50	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
2-Hexanone	ND	50	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
n-Butyl alcohol	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-9B

GC/MS Volatiles

Lot-Sample #...: A1E180248-014 **Work Order #...:** EDLTH1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorofluoromethane	ND	10	ug/L
1,4-Dioxane	ND	1000	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Dimethoxymethane	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(78 - 115)
1,2-Dichloroethane-d4	105	(77 - 120)
Toluene-d8	108	(78 - 111)
4-Bromofluorobenzene	104	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-4B

GC/MS Volatiles

Lot-Sample #...: A1E180248-015 **Work Order #...:** EDLTL1AA **Matrix.....:** WG
Date Sampled...: 05/16/01 15:25 **Date Received..:** 05/18/01
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 5 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	50	ug/L
Bromomethane	ND	50	ug/L
Vinyl chloride	**12 J**	**50**	**ug/L**
Chloroethane	ND	50	ug/L
Methylene chloride	**11 J,B**	**25**	**ug/L**
Acetone	ND	250	ug/L
Carbon disulfide	ND	25	ug/L
1,1-Dichloroethene	**14 J**	**25**	**ug/L**
1,1-Dichloroethane	**93**	**25**	**ug/L**
1,2-Dichloroethene (total)	**320**	**25**	**ug/L**
Chloroform	ND	25	ug/L
1,2-Dichloroethane	ND	25	ug/L
Bromodichloromethane	ND	25	ug/L
1,2-Dichloropropane	ND	25	ug/L
2-Butanone	ND	250	ug/L
1,1,1-Trichloroethane	**54**	**25**	**ug/L**
Carbon tetrachloride	ND	25	ug/L
cis-1,3-Dichloropropene	ND	25	ug/L
Trichloroethene	**34**	**25**	**ug/L**
Dibromochloromethane	ND	25	ug/L
1,1,2-Trichloroethane	ND	25	ug/L
Benzene	ND	25	ug/L
trans-1,3-Dichloropropene	ND	25	ug/L
Bromoform	ND	25	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
2-Hexanone	ND	250	ug/L
Tetrachloroethene	**41**	**25**	**ug/L**
1,1,2,2-Tetrachloroethane	ND	25	ug/L
Toluene	ND	25	ug/L
Chlorobenzene	ND	25	ug/L
Ethylbenzene	ND	25	ug/L
Styrene	ND	25	ug/L
Xylenes (total)	ND	25	ug/L
n-Butyl alcohol	ND	5000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	25	ug/L
1,3-Dichlorobenzene	ND	25	ug/L
1,4-Dichlorobenzene	ND	25	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-4B

GC/MS Volatiles

Lot-Sample #...: A1E180248-015 **Work Order #...:** EDLTL1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorofluoromethane	**420**	**50**	**ug/L**
1,4-Dioxane	ND	5000	ug/L
Trichlorofluoromethane	**500**	**50**	**ug/L**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	25	ug/L
Vinyl acetate	ND	50	ug/L
Dimethoxymethane	**18 J**	**50**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(78 - 115)
1,2-Dichloroethane-d4	108	(77 - 120)
Toluene-d8	108	(78 - 111)
4-Bromofluorobenzene	105	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-4A

GC/MS Volatiles

Lot-Sample #...: A1E180248-016 **Work Order #...:** EDLTM1AA **Matrix.....:** WG
Date Sampled...: 05/16/01 15:35 **Date Received..:** 05/18/01
Prep Date.....: 05/24/01 **Analysis Date..:** 05/24/01
Prep Batch #...: 1145511
Dilution Factor: 250 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloroethane	ND	2500	ug/L
Methylene chloride	**410 J,B**	**1200**	**ug/L**
Chloromethane	ND	2500	ug/L
Bromomethane	ND	2500	ug/L
Vinyl chloride	ND	2500	ug/L
Acetone	ND	12000	ug/L
Carbon disulfide	ND	1200	ug/L
1,1-Dichloroethene	ND	1200	ug/L
1,1-Dichloroethane	ND	1200	ug/L
1,2-Dichloroethene (total)	**310 J**	**1200**	**ug/L**
Chloroform	ND	1200	ug/L
1,2-Dichloroethane	ND	1200	ug/L
-Butanone	ND	12000	ug/L
1,1,1-Trichloroethane	**390 J**	**1200**	**ug/L**
Carbon tetrachloride	ND	1200	ug/L
Bromodichloromethane	ND	1200	ug/L
1,2-Dichloropropane	ND	1200	ug/L
cis-1,3-Dichloropropene	ND	1200	ug/L
Trichloroethene	ND	1200	ug/L
Dibromochloromethane	ND	1200	ug/L
1,1,2-Trichloroethane	ND	1200	ug/L
Benzene	ND	1200	ug/L
trans-1,3-Dichloropropene	ND	1200	ug/L
Bromoform	ND	1200	ug/L
4-Methyl-2-pentanone	ND	12000	ug/L
2-Hexanone	ND	12000	ug/L
Tetrachloroethene	**1600**	**1200**	**ug/L**
1,1,2,2-Tetrachloroethane	ND	1200	ug/L
Toluene	ND	1200	ug/L
Chlorobenzene	ND	1200	ug/L
Ethylbenzene	ND	1200	ug/L
Styrene	ND	1200	ug/L
Xylenes (total)	ND	1200	ug/L
n-Butyl alcohol	ND	250000	ug/L
1,4-Dichlorobenzene	ND	1200	ug/L
Dichlorofluoromethane	**1100 J**	**2500**	**ug/L**
Trichlorofluoromethane	**30000**	**2500**	**ug/L**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1200	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-4A

GC/MS Volatiles

Lot-Sample #...: A1E180248-016 **Work Order #...:** EDLTM1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Vinyl acetate	ND	2500	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	1200	ug/L
1,3-Dichlorobenzene	ND	1200	ug/L
1,4-Dioxane	ND	250000	ug/L
Dimethoxymethane	ND	2500	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(78 - 115)
1,2-Dichloroethane-d4	105	(77 - 120)
Toluene-d8	108	(78 - 111)
4-Bromofluorobenzene	107	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-4A DUPLICATE

GC/MS Volatiles

Lot-Sample #...: A1E180248-017 **Work Order #...:** EDLTN1AA **Matrix.....:** WG
Date Sampled...: 05/16/01 15:35 **Date Received..:** 05/18/01
Prep Date.....: 05/25/01 **Analysis Date..:** 05/25/01
Prep Batch #...: 1145511
Dilution Factor: 250 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2500	ug/L
Bromomethane	ND	2500	ug/L
Vinyl chloride	ND	2500	ug/L
Chloroethane	ND	2500	ug/L
Methylene chloride	**490 J,B**	**1200**	**ug/L**
Acetone	ND	12000	ug/L
Carbon disulfide	ND	1200	ug/L
1,1-Dichloroethene	ND	1200	ug/L
1,1-Dichloroethane	ND	1200	ug/L
1,2-Dichloroethene (total)	**320 J**	**1200**	**ug/L**
Chloroform	ND	1200	ug/L
1,2-Dichloroethane	ND	1200	ug/L
2-Butanone	ND	12000	ug/L
1,1,1-Trichloroethane	**360 J**	**1200**	**ug/L**
Carbon tetrachloride	ND	1200	ug/L
Bromodichloromethane	ND	1200	ug/L
1,2-Dichloropropane	ND	1200	ug/L
cis-1,3-Dichloropropene	ND	1200	ug/L
Trichloroethene	ND	1200	ug/L
Dibromochloromethane	ND	1200	ug/L
1,1,2-Trichloroethane	ND	1200	ug/L
Benzene	ND	1200	ug/L
trans-1,3-Dichloropropene	ND	1200	ug/L
Bromoform	ND	1200	ug/L
4-Methyl-2-pentanone	ND	12000	ug/L
2-Hexanone	ND	12000	ug/L
Tetrachloroethene	**1600**	**1200**	**ug/L**
1,1,2,2-Tetrachloroethane	ND	1200	ug/L
Toluene	ND	1200	ug/L
Chlorobenzene	ND	1200	ug/L
Ethylbenzene	ND	1200	ug/L
Styrene	ND	1200	ug/L
Xylenes (total)	ND	1200	ug/L
n-Butyl alcohol	ND	250000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	1200	ug/L
1,3-Dichlorobenzene	ND	1200	ug/L
1,4-Dichlorobenzene	ND	1200	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-4A DUPLICATE

GC/MS Volatiles

Lot-Sample #...: A1E180248-017 Work Order #...: EDLTN1AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorofluoromethane	ND	2500	ug/L
1,4-Dioxane	ND	250000	ug/L
Trichlorofluoromethane	**28000**	**2500**	**ug/L**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1200	ug/L
Vinyl acetate	ND	2500	ug/L
Dimethoxymethane	ND	2500	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(78 - 115)
1,2-Dichloroethane-d4	106	(77 - 120)
Toluene-d8	109	(78 - 111)
4-Bromofluorobenzene	110	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-6

GC/MS Volatiles

Lot-Sample #...: A1E180248-018 **Work Order #...:** EDLTP1AA **Matrix.....:** WG
Date Sampled...: 05/16/01 15:55 **Date Received..:** 05/18/01
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	**4.0 J**	**10**	**ug/L**
Chloroethane	ND	10	ug/L
Methylene chloride	**3.4 J,B**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	**11**	**5.0**	**ug/L**
1,2-Dichloroethene (total)	**1.6 J**	**5.0**	**ug/L**
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	50	ug/L
1,1,1-Trichloroethane	**5.5**	**5.0**	**ug/L**
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Trichloroethene	**1.3 J**	**5.0**	**ug/L**
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
2-Hexanone	ND	50	ug/L
Tetrachloroethene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
n-Butyl alcohol	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-6

GC/MS Volatiles

Lot-Sample #...: A1E180248-018 **Work Order #...:** EDLTP1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorofluoromethane	**6.0 J**	**10**	**ug/L**
1,4-Dioxane	ND	1000	ug/L
Trichlorofluoromethane	ND	10	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Dimethoxymethane	**18**	**10**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(78 - 115)
1,2-Dichloroethane-d4	109	(77 - 120)
Toluene-d8	107	(78 - 111)
4-Bromofluorobenzene	106	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-5D

General Chemistry

Lot-Sample #...: A1E180248-019 Work Order #...: EDLTR Matrix.....: WG
Date Sampled...: 05/16/01 11:40 Date Received..: 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Field pH	6.7	--	No Units	MCAWW 150.1	05/16/01	1157175
		Dilution Factor: 1				
Field pH 2	6.8	--	No Units	MCAWW 150.1	05/16/01	1157175
		Dilution Factor: 1				
Field pH 3	6.8	--	No Units	MCAWW 150.1	05/16/01	1157175
		Dilution Factor: 1				
Field pH 4	6.9	--	No Units	MCAWW 150.1	05/16/01	1157175
		Dilution Factor: 1				
Field Conductivity	2780	1.0	umhos/cm	MCAWW 120.1	05/16/01	1157175
		Dilution Factor: 1				
Field Conductivity 2	2870	1.0	umhos/cm	MCAWW 120.1	05/16/01	1157175
		Dilution Factor: 1				
Field Conductivity 3	2980	1.0	umhos/cm	MCAWW 120.1	05/16/01	1157175
		Dilution Factor: 1				
Field Conductivity 4	3020	1.0	umhos/cm	MCAWW 120.1	05/16/01	1157175
		Dilution Factor: 1				
Field Temperature	18.4	--	deg C	MCAWW 170.1	05/16/01	1157175
		Dilution Factor: 1				
Field Temperature 2	18.5	--	deg C	MCAWW 170.1	05/16/01	1157175
		Dilution Factor: 1				
Field Temperature 3	18.4	--	deg C	MCAWW 170.1	05/16/01	1157175
		Dilution Factor: 1				
Field Temperature 4	18.7	--	deg C	MCAWW 170.1	05/16/01	1157175
		Dilution Factor: 1				
Total Organic Carbon	4	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 2	4	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 3	4	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Carbon 4	4	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				
Total Organic Halogens	1100	600	ug/L	SW846 9020A	05/30/01	1151197
		Dilution Factor: 20				

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-5D

General Chemistry

Lot-Sample #...: A1E180248-019 Work Order #...: EDLTR Matrix.....: WG

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens 2	1600	600	ug/L	SW846 9020A	05/30/01	1151197
	Dilution Factor: 20					
Total Organic Halogens 3	1700	600	ug/L	SW846 9020A	05/30/01	1151197
	Dilution Factor: 20					
Total Organic Halogens 4	1900	600	ug/L	SW846 9020A	05/30/01	1151197
	Dilution Factor: 20					

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-5D DUPLICATE

GC/MS Volatiles

Lot-Sample #...: A1E180248-020 **Work Order #...:** EDLTT1AA **Matrix.....:** WG
Date Sampled...: 05/16/01 16:10 **Date Received..:** 05/18/01
Prep Date.....: 05/22/01 **Analysis Date..:** 05/22/01
Prep Batch #...: 1142408
Dilution Factor: 10 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	100	ug/L
Bromomethane	ND	100	ug/L
Vinyl chloride	ND	100	ug/L
Chloroethane	ND	100	ug/L
Methylene chloride	ND	50	ug/L
Acetone	ND	500	ug/L
Carbon disulfide	ND	50	ug/L
1,1-Dichloroethene	ND	50	ug/L
1,1-Dichloroethane	**8.2 J**	**50**	**ug/L**
1,2-Dichloroethene (total)	**35 J**	**50**	**ug/L**
Chloroform	ND	50	ug/L
1,2-Dichloroethane	ND	50	ug/L
Butanone	ND	500	ug/L
1,1,1-Trichloroethane	**58**	**50**	**ug/L**
Carbon tetrachloride	ND	50	ug/L
Bromodichloromethane	ND	50	ug/L
1,2-Dichloropropane	ND	50	ug/L
cis-1,3-Dichloropropene	ND	50	ug/L
Trichloroethene	**9.1 J**	**50**	**ug/L**
Dibromochloromethane	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
Benzene	ND	50	ug/L
trans-1,3-Dichloropropene	ND	50	ug/L
Bromoform	ND	50	ug/L
4-Methyl-2-pentanone	ND	500	ug/L
2-Hexanone	ND	500	ug/L
Tetrachloroethene	**1600**	**50**	**ug/L**
1,1,2,2-Tetrachloroethane	ND	50	ug/L
Toluene	ND	50	ug/L
Chlorobenzene	ND	50	ug/L
Ethylbenzene	ND	50	ug/L
Styrene	ND	50	ug/L
Xylenes (total)	ND	50	ug/L
n-Butyl alcohol	ND	10000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-5D DUPLICATE

GC/MS Volatiles

Lot-Sample #...: A1E180248-020 **Work Order #...:** EDLTT1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorofluoromethane	ND	100	ug/L
1,4-Dioxane	ND	10000	ug/L
Trichlorofluoromethane	**340**	**100**	**ug/L**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50	ug/L
Vinyl acetate	ND	100	ug/L
Dimethoxymethane	ND	100	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(78 - 115)
1,2-Dichloroethane-d4	99	(77 - 120)
Toluene-d8	107	(78 - 111)
4-Bromofluorobenzene	84	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3F

GC/MS Volatiles

Lot-Sample #...: A1E180248-021 **Work Order #...:** EDLTV1AA **Matrix.....:** WG
Date Sampled...: 05/16/01 16:25 **Date Received..:** 05/18/01
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 10 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	100	ug/L
Bromomethane	ND	100	ug/L
Vinyl chloride	**140**	**100**	**ug/L**
Chloroethane	**20 J**	**100**	**ug/L**
Methylene chloride	**18 J,B**	**50**	**ug/L**
Acetone	ND	500	ug/L
Carbon disulfide	ND	50	ug/L
1,1-Dichloroethene	**130**	**50**	**ug/L**
1,1-Dichloroethane	**890**	**50**	**ug/L**
1,2-Dichloroethene (total)	**1300**	**50**	**ug/L**
Chloroform	ND	50	ug/L
1,2-Dichloroethane	ND	50	ug/L
2-Butanone	ND	500	ug/L
1,1,1-Trichloroethane	**1400**	**50**	**ug/L**
Carbon tetrachloride	ND	50	ug/L
Bromodichloromethane	ND	50	ug/L
1,2-Dichloropropane	ND	50	ug/L
cis-1,3-Dichloropropene	ND	50	ug/L
Trichloroethene	**340**	**50**	**ug/L**
Dibromochloromethane	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
Benzene	ND	50	ug/L
trans-1,3-Dichloropropene	ND	50	ug/L
Bromoform	ND	50	ug/L
4-Methyl-2-pentanone	ND	500	ug/L
2-Hexanone	ND	500	ug/L
Tetrachloroethene	**370**	**50**	**ug/L**
1,1,2,2-Tetrachloroethane	ND	50	ug/L
Toluene	ND	50	ug/L
Chlorobenzene	ND	50	ug/L
Ethylbenzene	ND	50	ug/L
Styrene	ND	50	ug/L
Xylenes (total)	ND	50	ug/L
n-Butyl alcohol	ND	10000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	50	ug/L
1,3-Dichlorobenzene	ND	50	ug/L
1,4-Dichlorobenzene	ND	50	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: MW-3F

GC/MS Volatiles

Lot-Sample #...: A1E180248-021 **Work Order #...:** EDLTV1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorofluoromethane	**170**	**100**	**ug/L**
1,4-Dioxane	ND	10000	ug/L
Trichlorofluoromethane	**82 J**	**100**	**ug/L**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50	ug/L
Vinyl acetate	ND	100	ug/L
Dimethoxymethane	**65 J**	**100**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(78 - 115)
1,2-Dichloroethane-d4	108	(77 - 120)
Toluene-d8	108	(78 - 111)
4-Bromofluorobenzene	104	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: IPS-2

GC/MS Volatiles

Lot-Sample #...: A1E180248-022 **Work Order #...:** EDLTW1AA **Matrix.....:** WG
Date Sampled...: 05/16/01 13:50 **Date Received..:** 05/18/01
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	**13**	**10**	**ug/L**
Chloroethane	**1.6 J**	**10**	**ug/L**
Methylene chloride	**2.0 J,B**	**5.0**	**ug/L**
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	**11**	**5.0**	**ug/L**
1,1-Dichloroethane	**120**	**5.0**	**ug/L**
1,2-Dichloroethene (total)	**190**	**5.0**	**ug/L**
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	50	ug/L
1,1,1-Trichloroethane	**130**	**5.0**	**ug/L**
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	**59**	**5.0**	**ug/L**
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
2-Hexanone	ND	50	ug/L
Tetrachloroethene	**31**	**5.0**	**ug/L**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L
n-Butyl alcohol	ND	1000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: IPS-2

GC/MS Volatiles

Lot-Sample #...: A1E180248-022 **Work Order #...:** EDLTW1AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorofluoromethane	**55**	**10**	**ug/L**
1,4-Dioxane	ND	1000	ug/L
Trichlorofluoromethane	**9.2 J**	**10**	**ug/L**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Dimethoxymethane	**11**	**10**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(78 - 115)
1,2-Dichloroethane-d4	108	(77 - 120)
Toluene-d8	110	(78 - 111)
4-Bromofluorobenzene	106	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: AS-1

GC/MS Volatiles

Lot-Sample #...: A1E180248-023 **Work Order #...:** EDLT01AA **Matrix.....:** WG
Date Sampled...: 05/16/01 16:45 **Date Received..:** 05/18/01
Prep Date.....: 05/25/01 **Analysis Date..:** 05/25/01
Prep Batch #...: 1145511
Dilution Factor: 50 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dichloroethene (total)	**2600**	**250**	**ug/L**
Chloroform	**36 J**	**250**	**ug/L**
2-Butanone	ND	2500	ug/L
1,1,1-Trichloroethane	**64 J**	**250**	**ug/L**
Carbon tetrachloride	ND	250	ug/L
1,2-Dichloroethane	ND	250	ug/L
Bromodichloromethane	ND	250	ug/L
1,2-Dichloropropane	ND	250	ug/L
cis-1,3-Dichloropropene	ND	250	ug/L
Trichloroethene	**670**	**250**	**ug/L**
Dibromochloromethane	ND	250	ug/L
1,1,2-Trichloroethane	ND	250	ug/L
Benzene	ND	250	ug/L
trans-1,3-Dichloropropene	ND	250	ug/L
Bromoform	ND	250	ug/L
4-Methyl-2-pentanone	ND	2500	ug/L
2-Hexanone	ND	2500	ug/L
Tetrachloroethene	**1300**	**250**	**ug/L**
1,1,2,2-Tetrachloroethane	ND	250	ug/L
Toluene	ND	250	ug/L
Chlorobenzene	ND	250	ug/L
Ethylbenzene	ND	250	ug/L
Styrene	ND	250	ug/L
Xylenes (total)	ND	250	ug/L
n-Butyl alcohol	ND	50000	ug/L
2-Chloroethyl vinyl ether	ND	--	ug/L
1,2-Dichlorobenzene	ND	250	ug/L
1,3-Dichlorobenzene	ND	250	ug/L
1,4-Dichlorobenzene	ND	250	ug/L
Dichlorofluoromethane	**5100**	**500**	**ug/L**
1,4-Dioxane	ND	50000	ug/L
Trichlorofluoromethane	**8600**	**500**	**ug/L**
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	250	ug/L
Vinyl acetate	ND	500	ug/L
Dimethoxymethane	ND	500	ug/L
Chloromethane	ND	500	ug/L
Bromomethane	ND	500	ug/L

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CCL CUSTOM MANUFACTURING

Client Sample ID: AS-1

GC/MS Volatiles

Lot-Sample #...: A1E180248-023 **Work Order #...:** EDLT01AA **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Vinyl chloride	**110 J**	**500**	**ug/L**
Chloroethane	ND	500	ug/L
Methylene chloride	**680 B**	**250**	**ug/L**
Acetone	ND	2500	ug/L
Carbon disulfide	ND	250	ug/L
1,1-Dichloroethene	ND	250	ug/L
1,1-Dichloroethane	**59 J**	**250**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(78 - 115)
1,2-Dichloroethane-d4	109	(77 - 120)
Toluene-d8	108	(78 - 111)
4-Bromofluorobenzene	106	(80 - 114)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CCL CUSTOM MANUFACTURING

Client Sample ID: TRIP BLANK

General Chemistry

Lot-Sample #...: A1E180248-024 **Work Order #...:** EDLWW **Matrix.....:** WG
Date Sampled...: 05/16/01 16:50 **Date Received..:** 05/18/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens	ND	30	ug/L	SW846 9020A	05/31/01	1151230

Dilution Factor: 1

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDQ091AA **Matrix.....:** WATER
MB Lot-Sample #: A1E220000-408

Prep Date.....: 05/21/01
Analysis Date..: 05/21/01 **Prep Batch #...:** 1142408
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	50	ug/L	SW846 8260B
Benzene	ND	5.0	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
n-Butyl alcohol	ND	1000	ug/L	SW846 8260B
2-Butanone	ND	50	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	--	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
1,4-Dioxane	ND	1000	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	50	ug/L	SW846 8260B
Dimethoxymethane	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDQ091AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Vinyl chloride	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(78 - 115)
1,2-Dichloroethane-d4	105	(77 - 120)
Toluene-d8	107	(78 - 111)
4-Bromofluorobenzene	86	(80 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDVED1AA **Matrix.....:** WATER
MB Lot-Sample #: A1E230000-526

Prep Date.....: 05/23/01
Analysis Date..: 05/23/01 **Prep Batch #...:** 1143526
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	50	ug/L	SW846 8260B
Benzene	ND	5.0	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
n-Butyl alcohol	ND	1000	ug/L	SW846 8260B
2-Butanone	ND	50	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	--	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
1,4-Dioxane	ND	1000	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	50	ug/L	SW846 8260B
Dimethoxymethane	ND	10	ug/L	SW846 8260B
Methylene chloride	**3.1 J**	**5.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDVED1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Vinyl chloride	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(78 - 115)
1,2-Dichloroethane-d4	109	(77 - 120)
Toluene-d8	109	(78 - 111)
4-Bromofluorobenzene	104	(80 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** ED17N1AA **Matrix.....:** WATER
MB Lot-Sample #: A1E250000-511

Prep Date.....: 05/24/01
Analysis Date..: 05/24/01 **Prep Batch #...:** 1145511
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
2-Butanone	ND	50	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
2-Hexanone	ND	50	ug/L	SW846 8260B
Methylene chloride	**1.9 J**	**5.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	50	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B
Vinyl chloride	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	5.0	ug/L	SW846 8260B
n-Butyl alcohol	ND	1000	ug/L	SW846 8260B
2-Chloroethyl vinyl ether	ND	--	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	10	ug/L	SW846 8260B
1,4-Dioxane	ND	1000	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
Dimethoxymethane	ND	10	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** ED17N1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Acetone	ND	50	ug/L	SW846 8260B
Benzene	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(78 - 115)
1,2-Dichloroethane-d4	107	(77 - 120)
Toluene-d8	108	(78 - 111)
4-Bromofluorobenzene	112	(80 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A1E180248 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		Work Order #: EDXK11AA		MB Lot-Sample #:	A1E240000-490	
	ND	30	ug/L	SW846 9020A	05/24/01	1144490
		Dilution Factor: 1				
Total Organic Halogens		Work Order #: EDXK51AA		MB Lot-Sample #:	A1E240000-491	
	ND	30	ug/L	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1				
Total Organic Halogens		Work Order #: ED6T81AA		MB Lot-Sample #:	A1E310000-197	
	ND	30	ug/L	SW846 9020A	05/30/01	1151197
		Dilution Factor: 1				
Total Organic Halogens		Work Order #: ED6TG1AA		MB Lot-Sample #:	A1E310000-198	
	ND	30	ug/L	SW846 9020A	05/30/01	1151198
		Dilution Factor: 1				
Total Organic Halogens		Work Order #: ED6XF1AA		MB Lot-Sample #:	A1E310000-230	
	ND	30.0	ug/L	SW846 9020A	05/31/01	1151230
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EDNXE1AA		MB Lot-Sample #:	A1E210000-144	
	ND	1	mg/L	SW846 9060	05/19/01	1141144
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EDNXF1AA		MB Lot-Sample #:	A1E210000-145	
	ND	1	mg/L	SW846 9060	05/19/01	1141145
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EDVF91AA		MB Lot-Sample #:	A1E240000-114	
	ND	1	mg/L	SW846 9060	05/23/01	1144114
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDQ091AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A1E220000-408 EDQ091AD-LCSD
Prep Date.....: 05/21/01 **Analysis Date..:** 05/21/01
Prep Batch #...: 1142408
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chloromethane	98	(42 - 124)			SW846 8260B
	100	(42 - 124)	1.6	(0-30)	SW846 8260B
Bromomethane	94	(52 - 148)			SW846 8260B
	93	(52 - 148)	1.2	(0-30)	SW846 8260B
Vinyl chloride	103	(55 - 121)			SW846 8260B
	108	(55 - 121)	5.0	(0-30)	SW846 8260B
Chloroethane	102	(59 - 138)			SW846 8260B
	102	(59 - 138)	0.17	(0-30)	SW846 8260B
Methylene chloride	102	(74 - 122)			SW846 8260B
	98	(74 - 122)	4.2	(0-30)	SW846 8260B
Acetone	78	(20 - 200)			SW846 8260B
	77	(20 - 200)	1.2	(0-70)	SW846 8260B
Carbon disulfide	98	(75 - 129)			SW846 8260B
	97	(75 - 129)	1.4	(0-30)	SW846 8260B
1,1-Dichloroethene	**101**	**(65 - 119)**			**SW846 8260B**
	99	**(65 - 119)**	**1.8**	**(0-20)**	**SW846 8260B**
1,1-Dichloroethane	104	(87 - 116)			SW846 8260B
	99	(87 - 116)	4.7	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	103	(85 - 111)			SW846 8260B
	99	(85 - 111)	4.3	(0-30)	SW846 8260B
Chloroform	97	(87 - 119)			SW846 8260B
	93	(87 - 119)	4.0	(0-30)	SW846 8260B
1,2-Dichloroethane	106	(83 - 122)			SW846 8260B
	100	(83 - 122)	6.1	(0-30)	SW846 8260B
2-Butanone	85	(53 - 173)			SW846 8260B
	84	(53 - 173)	0.93	(0-40)	SW846 8260B
1,1,1-Trichloroethane	101	(83 - 122)			SW846 8260B
	100	(83 - 122)	0.95	(0-30)	SW846 8260B
Carbon tetrachloride	100	(81 - 126)			SW846 8260B
	101	(81 - 126)	1.7	(0-30)	SW846 8260B
Bromodichloromethane	103	(87 - 122)			SW846 8260B
	99	(87 - 122)	4.2	(0-30)	SW846 8260B
1,2-Dichloropropane	104	(85 - 115)			SW846 8260B
	99	(85 - 115)	5.0	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	109	(89 - 121)			SW846 8260B
	103	(89 - 121)	5.0	(0-30)	SW846 8260B
Trichloroethene	**103**	**(80 - 122)**			**SW846 8260B**
	97	**(80 - 122)**	**5.2**	**(0-20)**	**SW846 8260B**

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDQ091AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A1E220000-408 EDQ091AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dibromochloromethane	107	(87 - 121)			SW846 8260B
	101	(87 - 121)	6.1	(0-30)	SW846 8260B
1,1,2-Trichloroethane	100	(87 - 115)			SW846 8260B
	95	(87 - 115)	5.4	(0-30)	SW846 8260B
Benzene	**101**	**(79 - 116)**			**SW846 8260B**
	97	**(79 - 116)**	**3.7**	**(0-20)**	**SW846 8260B**
trans-1,3-Dichloropropene	104	(85 - 121)			SW846 8260B
	97	(85 - 121)	6.7	(0-30)	SW846 8260B
Bromoform	108	(82 - 132)			SW846 8260B
	105	(82 - 132)	2.1	(0-30)	SW846 8260B
4-Methyl-2-pentanone	102	(71 - 139)			SW846 8260B
	103	(71 - 139)	0.38	(0-30)	SW846 8260B
2-Hexanone	87	(58 - 169)			SW846 8260B
	88	(58 - 169)	0.82	(0-34)	SW846 8260B
Tetrachloroethene	101	(83 - 116)			SW846 8260B
	101	(83 - 116)	0.020	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	98	(80 - 128)			SW846 8260B
	94	(80 - 128)	3.5	(0-30)	SW846 8260B
Toluene	**103**	**(76 - 119)**			**SW846 8260B**
	97	**(76 - 119)**	**5.8**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**102**	**(81 - 115)**			**SW846 8260B**
	95	**(81 - 115)**	**6.3**	**(0-20)**	**SW846 8260B**
Ethylbenzene	104	(90 - 113)			SW846 8260B
	97	(90 - 113)	6.2	(0-30)	SW846 8260B
Styrene	104	(90 - 115)			SW846 8260B
	96	(90 - 115)	7.3	(0-30)	SW846 8260B
Xylenes (total)	104	(90 - 114)			SW846 8260B
	98	(90 - 114)	6.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	102	(86 - 111)			SW846 8260B
	98	(86 - 111)	4.3	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	103	(82 - 111)			SW846 8260B
	99	(82 - 111)	4.2	(0-30)	SW846 8260B
n-Hexane	89	(69 - 129)			SW846 8260B
	119	(69 - 129)	29	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(78 - 115)
	96	(78 - 115)
1,2-Dichloroethane-d4	100	(77 - 120)
	96	(77 - 120)
Toluene-d8	101	(78 - 111)
	95	(78 - 111)
4-Bromofluorobenzene	100	(80 - 114)
	93	(80 - 114)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDQ091AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A1E220000-408 EDQ091AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDVED1AC **Matrix.....:** WATER
LCS Lot-Sample#: A1E230000-526
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Chloromethane	94	(42 - 124)	SW846 8260B
Bromomethane	78	(52 - 148)	SW846 8260B
Vinyl chloride	98	(55 - 121)	SW846 8260B
Chloroethane	87	(59 - 138)	SW846 8260B
Methylene chloride	99	(74 - 122)	SW846 8260B
Acetone	98	(20 - 200)	SW846 8260B
Carbon disulfide	93	(75 - 129)	SW846 8260B
1,1-Dichloroethene	**98**	**(65 - 119)**	**SW846 8260B**
1,1-Dichloroethane	102	(87 - 116)	SW846 8260B
1,2-Dichloroethene (total)	100	(85 - 111)	SW846 8260B
Chloroform	101	(87 - 119)	SW846 8260B
1,2-Dichloroethane	103	(83 - 122)	SW846 8260B
2-Butanone	99	(53 - 173)	SW846 8260B
1,1,1-Trichloroethane	100	(83 - 122)	SW846 8260B
Carbon tetrachloride	101	(81 - 126)	SW846 8260B
Bromodichloromethane	101	(87 - 122)	SW846 8260B
1,2-Dichloropropane	103	(85 - 115)	SW846 8260B
cis-1,3-Dichloropropene	104	(89 - 121)	SW846 8260B
Trichloroethene	**100**	**(80 - 122)**	**SW846 8260B**
Dibromochloromethane	101	(87 - 121)	SW846 8260B
1,1,2-Trichloroethane	101	(87 - 115)	SW846 8260B
Benzene	**101**	**(79 - 116)**	**SW846 8260B**
trans-1,3-Dichloropropene	101	(85 - 121)	SW846 8260B
Bromoform	88	(82 - 132)	SW846 8260B
4-Methyl-2-pentanone	104	(71 - 139)	SW846 8260B
2-Hexanone	106	(58 - 169)	SW846 8260B
Tetrachloroethene	96	(83 - 116)	SW846 8260B
1,1,2,2-Tetrachloroethane	106	(80 - 128)	SW846 8260B
Toluene	**101**	**(76 - 119)**	**SW846 8260B**
Chlorobenzene	**99**	**(81 - 115)**	**SW846 8260B**
Ethylbenzene	99	(90 - 113)	SW846 8260B
Styrene	102	(90 - 115)	SW846 8260B
Xylenes (total)	102	(90 - 114)	SW846 8260B
cis-1,2-Dichloroethene	101	(86 - 111)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDVED1AC **Matrix.....:** WATER
LCS Lot-Sample#: A1E230000-526

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
trans-1,2-Dichloroethene	99	(82 - 111)	SW846 8260B
n-Hexane	100	(69 - 129)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(78 - 115)
1,2-Dichloroethane-d4	106	(77 - 120)
Toluene-d8	110	(78 - 111)
4-Bromofluorobenzene	110	(80 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** ED17N1AC **Matrix.....:** WATER
LCS Lot-Sample#: A1E250000-511
Prep Date.....: 05/24/01 **Analysis Date..:** 05/24/01
Prep Batch #...: 1145511
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Chloromethane	95	(42 - 124)	SW846 8260B
Bromomethane	73	(52 - 148)	SW846 8260B
Vinyl chloride	95	(55 - 121)	SW846 8260B
Chloroethane	82	(59 - 138)	SW846 8260B
Methylene chloride	98	(74 - 122)	SW846 8260B
Acetone	106	(20 - 200)	SW846 8260B
Carbon disulfide	97	(75 - 129)	SW846 8260B
1,1-Dichloroethene	**104**	**(65 - 119)**	**SW846 8260B**
1,1-Dichloroethane	106	(87 - 116)	SW846 8260B
1,2-Dichloroethene (total)	104	(85 - 111)	SW846 8260B
Chloroform	103	(87 - 119)	SW846 8260B
1,2-Dichloroethane	105	(83 - 122)	SW846 8260B
2-Butanone	108	(53 - 173)	SW846 8260B
1,1,1-Trichloroethane	105	(83 - 122)	SW846 8260B
Carbon tetrachloride	107	(81 - 126)	SW846 8260B
Bromodichloromethane	106	(87 - 122)	SW846 8260B
1,2-Dichloropropane	104	(85 - 115)	SW846 8260B
cis-1,3-Dichloropropene	108	(89 - 121)	SW846 8260B
Trichloroethene	**102**	**(80 - 122)**	**SW846 8260B**
Dibromochloromethane	106	(87 - 121)	SW846 8260B
1,1,2-Trichloroethane	104	(87 - 115)	SW846 8260B
Benzene	**102**	**(79 - 116)**	**SW846 8260B**
trans-1,3-Dichloropropene	104	(85 - 121)	SW846 8260B
Bromoform	99	(82 - 132)	SW846 8260B
4-Methyl-2-pentanone	112	(71 - 139)	SW846 8260B
2-Hexanone	113	(58 - 169)	SW846 8260B
Tetrachloroethene	100	(83 - 116)	SW846 8260B
1,1,2,2-Tetrachloroethane	105	(80 - 128)	SW846 8260B
Toluene	**101**	**(76 - 119)**	**SW846 8260B**
Chlorobenzene	**101**	**(81 - 115)**	**SW846 8260B**
Ethylbenzene	101	(90 - 113)	SW846 8260B
Styrene	106	(90 - 115)	SW846 8260B
Xylenes (total)	105	(90 - 114)	SW846 8260B
cis-1,2-Dichloroethene	102	(86 - 111)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** ED17N1AC **Matrix.....:** WATER
LCS Lot-Sample#: A1E250000-511

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
trans-1,2-Dichloroethene	105	(82 - 111)	SW846 8260B
n-Hexane	112	(69 - 129)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(78 - 115)
1,2-Dichloroethane-d4	104	(77 - 120)
Toluene-d8	107	(78 - 111)
4-Bromofluorobenzene	113	(80 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A1E180248 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		Work Order #: EDXK11AC	LCS Lot-Sample#: A1E240000-490		
	92	(67 - 115)	SW846 9020A	05/24/01	1144490
		Dilution Factor: 1			
Total Organic Halogens		Work Order #: EDXK51AC	LCS Lot-Sample#: A1E240000-491		
	94	(67 - 115)	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1			
Total Organic Halogens		Work Order #: ED6T81AC	LCS Lot-Sample#: A1E310000-197		
	99	(67 - 115)	SW846 9020A	05/30/01	1151197
		Dilution Factor: 1			
Total Organic Halogens		Work Order #: ED6TG1AC	LCS Lot-Sample#: A1E310000-198		
	112	(67 - 115)	SW846 9020A	05/30/01	1151198
		Dilution Factor: 1			
Total Organic Halogens		Work Order #: ED6XF1AC	LCS Lot-Sample#: A1E310000-230		
	77	(67 - 115)	SW846 9020A	05/31/01	1151230
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EDNXE1AC	LCS Lot-Sample#: A1E210000-144		
	113	(88 - 115)	SW846 9060	05/19/01	1141144
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EDNXF1AC	LCS Lot-Sample#: A1E210000-145		
	111	(88 - 115)	SW846 9060	05/19/01	1141145
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EDVF91AC	LCS Lot-Sample#: A1E240000-114		
	103	(88 - 115)	SW846 9060	05/23/01	1144114
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDLR91AC-MS **Matrix.....:** WG
MS Lot-Sample #: A1E180248-011 EDLR91AD-MSD
Date Sampled...: 05/16/01 **Date Received..:** 05/18/01
Prep Date.....: 05/23/01 **Analysis Date..:** 05/23/01
Prep Batch #...: 1143526
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**99**	**(57 - 138)**			**SW846 8260B**
	98	**(57 - 138)**	**0.11**	**(0-15)**	**SW846 8260B**
Chloromethane	93	(41 - 125)			SW846 8260B
	94	(41 - 125)	1.6	(0-30)	SW846 8260B
Bromomethane	74	(53 - 155)			SW846 8260B
	71	(53 - 155)	4.5	(0-30)	SW846 8260B
Vinyl chloride	96	(52 - 122)			SW846 8260B
	93	(52 - 122)	3.0	(0-30)	SW846 8260B
Chloroethane	83	(62 - 140)			SW846 8260B
	76	(62 - 140)	9.4	(0-30)	SW846 8260B
Methylene chloride	89	(70 - 129)			SW846 8260B
	90	(70 - 129)	1.1	(0-30)	SW846 8260B
etone	112	(10 - 166)			SW846 8260B
	107	(10 - 166)	4.7	(0-32)	SW846 8260B
Carbon disulfide	89	(66 - 135)			SW846 8260B
	89	(66 - 135)	0.01	(0-31)	SW846 8260B
1,1-Dichloroethane	100	(84 - 121)			SW846 8260B
	100	(84 - 121)	0.03	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	99	(80 - 115)			SW846 8260B
	97	(80 - 115)	1.6	(0-30)	SW846 8260B
Chloroform	98	(85 - 124)			SW846 8260B
	98	(85 - 124)	0.13	(0-30)	SW846 8260B
1,2-Dichloroethane	105	(84 - 126)			SW846 8260B
	102	(84 - 126)	3.4	(0-30)	SW846 8260B
2-Butanone	114	(52 - 152)			SW846 8260B
	110	(52 - 152)	3.4	(0-30)	SW846 8260B
1,1,1-Trichloroethane	100	(78 - 128)			SW846 8260B
	98	(78 - 128)	1.8	(0-30)	SW846 8260B
Carbon tetrachloride	97	(80 - 125)			SW846 8260B
	98	(80 - 125)	0.73	(0-30)	SW846 8260B
Bromodichloromethane	98	(86 - 127)			SW846 8260B
	98	(86 - 127)	0.35	(0-30)	SW846 8260B
1,2-Dichloropropane	100	(83 - 121)			SW846 8260B
	98	(83 - 121)	1.6	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	98	(86 - 122)			SW846 8260B
	96	(86 - 122)	1.4	(0-30)	SW846 8260B
ichloroethene	**96**	**(58 - 141)**			**SW846 8260B**
	96	**(58 - 141)**	**0.66**	**(0-17)**	**SW846 8260B**

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDLR91AC-MS **Matrix.....:** WG
MS Lot-Sample #: A1E180248-011 EDLR91AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Dibromochloromethane	97	(85 - 124)			SW846 8260B
	97	(85 - 124)	0.27	(0-30)	SW846 8260B
1,1,2-Trichloroethane	103	(88 - 119)			SW846 8260B
	99	(88 - 119)	3.7	(0-30)	SW846 8260B
Benzene	**98**	**(73 - 123)**			**SW846 8260B**
	98	**(73 - 123)**	**0.25**	**(0-11)**	**SW846 8260B**
trans-1,3-Dichloropropene	95	(85 - 120)			SW846 8260B
	94	(85 - 120)	1.6	(0-30)	SW846 8260B
Bromoform	84	(79 - 135)			SW846 8260B
	85	(79 - 135)	0.84	(0-30)	SW846 8260B
4-Methyl-2-pentanone	110	(74 - 140)			SW846 8260B
	108	(74 - 140)	1.6	(0-30)	SW846 8260B
2-Hexanone	112	(57 - 148)			SW846 8260B
	111	(57 - 148)	0.63	(0-31)	SW846 8260B
Tetrachloroethene	90	(75 - 116)			SW846 8260B
	90	(75 - 116)	0.59	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	107	(74 - 144)			SW846 8260B
	108	(74 - 144)	1.2	(0-30)	SW846 8260B
Toluene	**98**	**(67 - 129)**			**SW846 8260B**
	96	**(67 - 129)**	**1.7**	**(0-14)**	**SW846 8260B**
Chlorobenzene	**96**	**(70 - 122)**			**SW846 8260B**
	95	**(70 - 122)**	**0.74**	**(0-14)**	**SW846 8260B**
Ethylbenzene	98	(86 - 113)			SW846 8260B
	96	(86 - 113)	2.2	(0-30)	SW846 8260B
Styrene	100	(87 - 115)			SW846 8260B
	98	(87 - 115)	2.4	(0-30)	SW846 8260B
Xylenes (total)	101	(88 - 114)			SW846 8260B
	98	(88 - 114)	2.5	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	100	(82 - 116)			SW846 8260B
	97	(82 - 116)	2.5	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	98	(77 - 115)			SW846 8260B
	97	(77 - 115)	0.75	(0-30)	SW846 8260B
n-Hexane	94	(57 - 129)			SW846 8260B
	92	(57 - 129)	1.5	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(78 - 115)
	108	(78 - 115)
1,2-Dichloroethane-d4	106	(77 - 120)
	105	(77 - 120)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDLR91AC-MS **Matrix.....:** WG
MS Lot-Sample #: A1E180248-011 EDLR91AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	109	(78 - 111)
	110	(78 - 111)
4-Bromofluorobenzene	111	(80 - 114)
	111	(80 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDTMF1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A1E230241-003 EDTMF1AD-MSD
Date Sampled...: 05/23/01 15:20 **Date Received..:** 05/23/01
Prep Date.....: 05/25/01 **Analysis Date..:** 05/25/01
Prep Batch #...: 1145511
Dilution Factor: 1.25

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1,1-Trichloroethane	76 a	(78 - 128)			SW846 8260B
	88	(78 - 128)	3.2	(0-30)	SW846 8260B
Carbon tetrachloride	98	(80 - 125)			SW846 8260B
	103	(80 - 125)	4.4	(0-30)	SW846 8260B
Bromodichloromethane	100	(86 - 127)			SW846 8260B
	105	(86 - 127)	5.0	(0-30)	SW846 8260B
1,2-Dichloropropane	97	(83 - 121)			SW846 8260B
	104	(83 - 121)	6.8	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	102	(86 - 122)			SW846 8260B
	103	(86 - 122)	1.0	(0-30)	SW846 8260B
Trichloroethene	**97**	**(58 - 141)**			**SW846 8260B**
	100	**(58 - 141)**	**2.7**	**(0-17)**	**SW846 8260B**
ibromochloromethane	99	(85 - 124)			SW846 8260B
	105	(85 - 124)	5.5	(0-30)	SW846 8260B
1,1,2-Trichloroethane	97	(88 - 119)			SW846 8260B
	104	(88 - 119)	6.7	(0-30)	SW846 8260B
Benzene	**96**	**(73 - 123)**			**SW846 8260B**
	101	**(73 - 123)**	**4.5**	**(0-11)**	**SW846 8260B**
trans-1,3-Dichloropropene	98	(85 - 120)			SW846 8260B
	102	(85 - 120)	4.6	(0-30)	SW846 8260B
Bromoform	88	(79 - 135)			SW846 8260B
	91	(79 - 135)	3.9	(0-30)	SW846 8260B
4-Methyl-2-pentanone	104	(74 - 140)			SW846 8260B
	111	(74 - 140)	7.0	(0-30)	SW846 8260B
2-Hexanone	107	(57 - 148)			SW846 8260B
	112	(57 - 148)	4.6	(0-31)	SW846 8260B
Tetrachloroethene	92	(75 - 116)			SW846 8260B
	93	(75 - 116)	1.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	98	(74 - 144)			SW846 8260B
	103	(74 - 144)	4.5	(0-30)	SW846 8260B
Toluene	**96**	**(67 - 129)**			**SW846 8260B**
	100	**(67 - 129)**	**4.3**	**(0-14)**	**SW846 8260B**
Chlorobenzene	**95**	**(70 - 122)**			**SW846 8260B**
	99	**(70 - 122)**	**4.2**	**(0-14)**	**SW846 8260B**
Ethylbenzene	97	(86 - 113)			SW846 8260B
	101	(86 - 113)	4.2	(0-30)	SW846 8260B
Styrene	99	(87 - 115)			SW846 8260B
	102	(87 - 115)	2.9	(0-30)	SW846 8260B
ylenes (total)	100	(88 - 114)			SW846 8260B
	101	(88 - 114)	1.6	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDTMF1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A1E230241-003 EDTMF1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**96**	**(57 - 138)**			**SW846 8260B**
	98	**(57 - 138)**	**2.1**	**(0-15)**	**SW846 8260B**
Chloromethane	86	(41 - 125)			SW846 8260B
	92	(41 - 125)	5.9	(0-30)	SW846 8260B
Bromomethane	68	(53 - 155)			SW846 8260B
	75	(53 - 155)	9.3	(0-30)	SW846 8260B
Vinyl chloride	86	(52 - 122)			SW846 8260B
	89	(52 - 122)	2.3	(0-30)	SW846 8260B
Chloroethane	83	(62 - 140)			SW846 8260B
	81	(62 - 140)	2.4	(0-30)	SW846 8260B
Methylene chloride	91	(70 - 129)			SW846 8260B
	95	(70 - 129)	4.4	(0-30)	SW846 8260B
Acetone	99	(10 - 166)			SW846 8260B
	105	(10 - 166)	5.7	(0-32)	SW846 8260B
Carbon disulfide	88	(66 - 135)			SW846 8260B
	91	(66 - 135)	3.2	(0-31)	SW846 8260B
1,1-Dichloroethane	98	(84 - 121)			SW846 8260B
	103	(84 - 121)	4.1	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	90	(80 - 115)			SW846 8260B
	95	(80 - 115)	2.4	(0-30)	SW846 8260B
Chloroform	97	(85 - 124)			SW846 8260B
	101	(85 - 124)	4.3	(0-30)	SW846 8260B
1,2-Dichloroethane	103	(84 - 126)			SW846 8260B
	106	(84 - 126)	3.2	(0-30)	SW846 8260B
2-Butanone	111	(52 - 152)			SW846 8260B
	114	(52 - 152)	2.8	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	82	(82 - 116)			SW846 8260B
	89	(82 - 116)	2.1	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	98	(77 - 115)			SW846 8260B
	101	(77 - 115)	3.1	(0-30)	SW846 8260B
n-Hexane	97	(57 - 129)			SW846 8260B
	99	(57 - 129)	1.3	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(78 - 115)
	107	(78 - 115)
1,2-Dichloroethane-d4	100	(77 - 120)
	104	(77 - 120)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A1E180248 **Work Order #...:** EDTMF1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A1E230241-003 EDTMF1AD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	110	(78 - 111)
	110	(78 - 111)
4-Bromofluorobenzene	110	(80 - 114)
	113	(80 - 114)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A1E180248 **Matrix.....:** WG
Date Sampled...: 05/16/01 11:40 **Date Received..:** 05/18/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		WO#: EDLQE1DA-MS/EDLQE1DC-MSD				MS Lot-Sample #: A1E180248-002	
	90	(59 - 126)			SW846 9020A	05/24/01	1144491
	95	(59 - 126)	5.2	(0-99)	SW846 9020A	05/24/01	1144491
		Dilution Factor: 1					
Total Organic Halogens		WO#: EDLQW1A0-MS/EDLQW1A1-MSD				MS Lot-Sample #: A1E180248-003	
	95	(59 - 126)			SW846 9020A	05/24/01	1144490
	93	(59 - 126)	2.0	(0-99)	SW846 9020A	05/24/01	1144490
		Dilution Factor: 1					
Total Organic Halogens		WO#: EDLTE1A0-MS/EDLTE1A1-MSD				MS Lot-Sample #: A1E180248-012	
	96	(59 - 126)			SW846 9020A	05/30/01	1151198
	94	(59 - 126)	1.4	(0-99)	SW846 9020A	05/30/01	1151198
		Dilution Factor: 1					
Total Organic Halogens		WO#: EDLTR1A0-MS/EDLTR1A1-MSD				MS Lot-Sample #: A1E180248-019	
	72	(59 - 126)			SW846 9020A	05/30/01	1151197
	74	(59 - 126)	1.2	(0-99)	SW846 9020A	05/30/01	1151197
		Dilution Factor: 1					
Total Organic Carbon		WO#: EDLQE1C8-MS/EDLQE1C9-MSD				MS Lot-Sample #: A1E180248-002	
	112	(72 - 136)			SW846 9060	05/23/01	1144114
	111	(72 - 136)	0.73	(0-20)	SW846 9060	05/23/01	1144114
		Dilution Factor: 1					
Total Organic Carbon		WO#: EDLQE1DF-MS/EDLQE1DG-MSD				MS Lot-Sample #: A1E180248-002	
	114	(72 - 136)			SW846 9060	05/19/01	1141144
	114	(72 - 136)	0.78	(0-20)	SW846 9060	05/19/01	1141144
		Dilution Factor: 1					
Total Organic Carbon		WO#: EDLQE1DH-MS/EDLQE1DJ-MSD				MS Lot-Sample #: A1E180248-002	
	113	(72 - 136)			SW846 9060	05/19/01	1141145
	115	(72 - 136)	1.9	(0-20)	SW846 9060	05/19/01	1141145
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A1E180248 **Matrix.....:** WATER
Date Sampled...: 05/24/01 13:45 **Date Received..:** 05/25/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		WO#: EDX9T1AE-MS/EDX9T1AF-MSD				MS Lot-Sample #: A1E250125-002	
	102	(59 - 126)			SW846 9020A	05/31/01	1151230
	118	(59 - 126)	14	(0-99)	SW846 9020A	05/31/01	1151230
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Committed To *Your* Success

FIELD DATA

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4395

CLIENT: YVONNE SHERMAN

PAGE 1 **OF** 9

Facility: CCL CUSTOM MFG INC.

Report to: SAME

Address: 1 WEST HEGELER LANE
DANVILLE ILL. 61832

Address:

Sampler: WRC / JDG

Date: 14 MAY 01 → 17 MAY 01

SAMPLE NO.	NUMBER AND SIZE OF CONTAINERS	SAMPLE IDENTIFICATION
1	3x40ml/VOC/HCl 3x40ml/TOC/H2SO4 1x250ml/TOX/H2SO4	TRIP BLANK @ 7:30 (14 MAY 01) TOX accidentally NOT FILLED upon Leaving Lab - FILLED 5-16-01
2	3x40ml/TOC/H2SO4 1x250ml/TOX/H2SO4	MW-8 (REP1) @ 12:30 (15 MAY 01) F.PH → 6.6 TEMP → 17.5°C COND → 1538 µS/cm
3		MW-8 (REP 2) @ 1:50 (15 MAY 01) F.PH → 6.6 TEMP → 19.3°C COND → 1428 µS/cm
4		MW-8 (REP3) @ 3:00 (15 MAY 01) F.PH → 6.6 TEMP → 18.6°C COND → 1442 µS/cm
5		MW-8 (REP 4) @ 3:55 (15 MAY 01) F.PH → 6.6 TEMP → 20.7°C COND → 1436 µS/cm
6		MW-8 MS @ 3:55 (15 MAY 01) F.PH → 6.6 TEMP → 20.7°C COND → 1436 µS/cm

Preservation and Handling:

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Signature:

FORM # 241

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4396

CLIENT:

PAGE 2 OF 9

Facility:

Report to: SAME

Address: SAME AS PAGE 1

Address:

Sampler:

Date:

SAMPLE NO.	NUMBER AND SIZE OF CONTAINERS	SAMPLE IDENTIFICATION
7	3x40ml/TOC/H_2SO_4 1x250ml/TOX/H_2SO_4	MW-8 MSD @ 3:55 (15 MAY 01) F.PH → 6.6 TEMP → 20.7°C COND → 1436 µS/cm
8		MW-7A (REP 1) @ 12:40 (15 MAY 01) F.PH → 7.0 TEMP → 15.3°C COND → 2410 µS/cm
9		MW-7A (REP 2) @ 2:00 (15 MAY 01) F.PH → 7.0 TEMP → 16.7°C COND → 2430 µS/cm
10		MW-7A (REP 3) @ 3:10 (15 MAY 01) F.PH → 6.9 TEMP → 16.2°C COND → 2470 µS/cm
11		MW-7A (REP 4) @ 4:05 (15 MAY 01) F.PH → 6.9 TEMP → 15.8°C COND → 2420 µS/cm
12		MW-7 (REP 1) @ 12:50 (15 MAY 01) F.PH → 7.2 TEMP → 15.9°C COND → 1097 µS/cm

Preservation and Handling:

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FORM # 241

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4397

CLIENT:

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Facility:

Report to: SAME

Address: SAME AS PAGE 1

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Sampler:

Date:

SAMPLE NO.	NUMBER AND SIZE OF CONTAINERS	SAMPLE IDENTIFICATION
13	3x40ml/TOC/H_2SO_4 1x250ml/TOX/H_2SO_4	MW-7 (REP 2) @ 2:10 (5-15-01) FPH → 7.2 TEMP → 17.3°C COND → 1085 µs/cm
14	↓	MW-7 (REP 3) @ 3:20 (5-15-01) FPH → 7.3 TEMP → 16.6°C COND → 1094 µs/cm
15	↓	MW-7 (REP 4) @ 4:15 (5-15-01) FPH → 7.2 TEMP → 17.2°C COND → 1086 µs/cm
16	3x40ml/VOC/HCl	MW-3L @ 4:25 (5-15-01) FPH → 7.5 TEMP → 15.8°C COND → 605 µs/cm
17	3x40ml/TOC/H_2SO_4 1x250ml/TOX/H_2SO_4	MW-3B (REP 1) @ 1:00 (5-15-01) FPH → 7.5 TEMP → 15.7°C COND → 611 µs/cm
18	↓	MW-3B (REP 2) @ 2:20 (5-15-01) FPH → 7.5 TEMP → 16.8°C COND → 594 µs/cm

Preservation and Handling:

CONT. ON NEXT PAGE.

Signature:

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SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4398

CLIENT:

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Facility:

Address: SAME AS PAGE 1

Report to: SAME

Address:

Sampler:

Date:

SAMPLE NO.	NUMBER AND SIZE OF CONTAINERS	SAMPLE IDENTIFICATION
19	3x40ml/TOC/H_2SO_4 1x250ml/TOX/H_2SO_4	MW-3B (REP3) @ 3:30 (5-15-01) FIELD PH → 7.5 TEMP → 16.9°C COND → 606 µs/cm
20		MW-3B (REP4) @ 4:50 (5-15-01) FIELD PH → 7.5 TEMP → 18.7°C COND → 599 µs/cm
21		MW-3B (DUP) @ 4:50 (5-15-01) FIELD PH → 7.5 TEMP → 18.7°C COND → 599 µs/cm
22		MW-4 (REP1) @ 11:00 (5-16-01) FIELD PH → 7.1 TEMP → 23.7°C COND → 1288 µs/cm
23		MW-4 (REP2) @ 11:55 (5-16-01) FIELD PH → 7.2 TEMP → 22.5°C COND → 1312 µs/cm
24		MW-4 (REP3) @ 1:30 (5-16-01) FIELD PH → 7.2 TEMP → 24.8°C COND → 1256 µs/cm

Preservation and Handling:

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Signature:

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SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4399

CLIENT:

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Facility:

Report to: SAME

Address: SAME AS PAGE 1

Address:

Sampler:

Date:

SAMPLE NO.	NUMBER AND SIZE OF CONTAINERS	SAMPLE IDENTIFICATION
25	3x40ml/TOC/H2SO4 1x250ml/TOX//H2SO4	MW-4 (REP4) @ 2:25 (5-16-01) F.PH → 7.2 TEMP → 22.8°C COND → 1308 µs/cm
26		MW-3E (REP1) @ 11:15 (5-16-01) F.PH → 7.0 TEMP → 17.3°C COND → 382 µs/cm
27		MW-3E (REP2) @ 1205 (5-16-01) F.PH → 7.0 TEMP → 17.5°C COND → 385 µs/cm
28		MW-3E (REP3) @ 1:45 (5-16-01) F.PH → 7.0 TEMP → 18.5°C COND → 372 µs/cm
29		MW-3E (REP4) @ 2:35 (5-16-01) F.PH → 7.0 TEMP → 18.1°C COND → 378 µs/cm
30	3x40ml/VOC/HCl	MW-3K @ 2:45 (5-16-01) F.PH → 7.4 TEMP → 17.1°C COND → 628 µs

Preservation and Handling:

CONT. ON NEXT PAGE.

Signature:

FORM # 241

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4400

CLIENT:

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Facility:

Report to: SAME

Address: SAME AS PAGE 1

Address:

Sampler:

Date:

SAMPLE NO.	NUMBER AND SIZE OF CONTAINERS	SAMPLE IDENTIFICATION
31	3x40ml/TOC/H2SO4 1x250ml/TOX/H2SO4	MW-9A (REP1) @ 11:30 (5-16-01 F.PH → 6.9 TEMP → 17.1°C COND → 2200 µs/cm
32		MW-9A (REP2) @ 12:15 (5-16-01) F.PH → 6.9 TEMP → 17.5°C COND → 2170 µs/cm
33		MW-9A (REP3) @ 1:55 (5-16-01 F.PH → 6.9 TEMP → 17.5°C COND → 2170 µs/cm
34		MW-9A (REP4) @ 2:55 (5-16-01 F.PH → 6.9 TEMP → 17.9°C COND → 2170 µs/cm
35	3x40ml/TOC/H2SO4 3x40ml/VOC/HCl 1x250ml/TOX/H2SO4	FIELD BLANK @ 3:00 (5-16-01)
36	3x40ml/VOC/HCl	MW-9C @ 3:10 (5-16-01) F.PH → 7.2 TEMP → 17.9°C COND → 1167 µs/cm

Preservation and Handling:

CONT. ON NEXT PAGE.

Signature:

FORM # 241

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4401

CLIENT:

PAGE 7 OF 9

Facility:

Report to: SAME

Address: SAME AS PAGE 1

Address:

Sampler:

Date:

SAMPLE NO.	NUMBER AND SIZE OF CONTAINERS	SAMPLE IDENTIFICATION
37	3x40ml/VOC/HCl	MW-9B @ 3:15 (5-16-01) F.PH → 7.4 TEMP → 17.8 COND → 927 µs/cm
38		MW-4B @ 3:25 (5-16-01) F.PH → 6.9 TEMP → 17.9°C COND → 1599 µs/cm
39		MW-4A @ 3:35 (5-16-01) F.PH → 7.2 TEMP → 18.3 COND → 829 µs/cm
40		MW-4A DUP @ 3:35 (5-16-01) F.PH → 7.2 TEMP → 18.3 COND → 829 µs/cm
41		MW-6 @ 3:55 (5-16-01) F.PH → 7.2 TEMP → 15.5°C COND → 2350
42	3x40ml/TOC/H_2SO_4 1x250ml/TOX/H_2SO_4	MW-5D (REP1) @ 11:40 (5-16-01) F.PH → 6.7 TEMP → 18.4°C COND → 2780 µs/cm

Preservation and Handling:

CONT. ON NEXT PAGE

Signature:

FORM # 241

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4402

CLIENT:

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Facility:

Report to: SAME

Address: SAME AS PAGE 1

Address:

Sampler:

Date:

SAMPLE NO.	NUMBER AND SIZE OF CONTAINERS	SAMPLE IDENTIFICATION
43	3x40ml/TOC/H2SO4 1x250ml/TOX/H2SO4	MW-5D (REP2) @ 12:25 (5-16-01) F.PH → 6.8 TEMP → 18.5°C COND → 2870 µS/cm
44		MW-5D (REP3) @ 215 (5-16-01) F.PH → 6.8 TEMP → 18.4°C COND → 2980 µS/cm
45		MW-5D (REP4) @ 4:10 (5-16-01) F.PH → 6.9 TEMP → 18.7°C COND → 3020 µS/cm
46	3x40ml/VOC/HCl	MW-5D DUP @ 4:10 (5-16-01) F.PH → 6.9 TEMP → 18.7°C COND → 3020 µS/cm
47		MW-3F @ 4:25 (5-16-01) F.PH → TEMP → 15.8 COND → 1858 µS/cm
48		IPS-2 @ 1:50 (5-16-01) F.PH → 7.1 TEMP → 18.2°C COND → 1816 µS/cm

Preservation and Handling: CONT. ON NEXT PAGE

Signature:

FORM # 241

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4403

CLIENT:

PAGE 9 OF 9

Facility: SAME AS PAGE 1

Report to: SAME

Address:

Address:

Sampler:

Date:

SAMPLE NO.	NUMBER AND SIZE OF CONTAINERS	SAMPLE IDENTIFICATION
49	3x40ml/VOC/HCl	AS-1 @ 445 (5-16-01) F.PH → 7.3 TEMP → 23.5°C COND → 1151 µS/cm
	PH & COND CALIB: SEE ATTACHED SHEETS	PARAMETERS: VOC, TOC, TOX, F.PH, TEMP, COND.

Preservation and Handling: PLACED IN COOLERS & PACKED WITH ICE DAILY; RETURNED TO LAB.

Signature:

FORM # 241

PURGE PARAMETER MEASUREMENTS

SEVERN TRENT SERVICES

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720-6961

DATE: 5-15-01

CLIENT: CCL Custom MFG, INC

Well 8	Recharge(ft)	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	14.43	6.6	17.5	N/a umhos/cm	1538 umhos/cm	12:30
2	14.51	6.6	19.3	umhos/cm	1428 umhos/cm	1:50
3	14.67	6.6	~~19.9~~ 18.6	umhos/cm	1442 umhos/cm	3:00
4	14.91	6.6	20.7	⊥ us/cm	1436 us/cm	3:55
5						
6						
Final	—	—	—	—	—	—

Well 7A	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	11.03	7.0	15.3	N/a umhos/cm	2410 umhos/cm	1240
2	11.12	7.0	16.7	umhos/cm	2430 umhos/cm	2:00
3	11.09	6.9	16.2	umhos/cm	2470 umhos/cm	3:10
4	11.01	6.9	~~17.8~~ 15.8	⊥ us/cm	2420	4:05
5						
6						
Final	—	—	—	—	—	—

Well 7	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	5.47	7.2	15.9	N/a umhos/cm	1097 umhos/cm	12:50
2	5.52	7.2	17.3	umhos/cm	1085 umhos/cm	2:10
3	5.54	7.3	16.6	umhos/cm	1094 umhos/cm	3:20
4	5.54	7.2	17.2	⊥ us/cm	1086 us/cm	415
5						
6						
Final	—	—	—	—	—	—

PURGE PARAMETER MEASUREMENTS

SEVERN TRENT SERVICES

DATE: 5-15-01

CLIENT: CCL Custom MFG, INC

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720-6961

Well 3B	Recharge (ft)	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	5.45	7.5	15.7	N/a umhos/cm	611 umhos/cm	1:00 P.M
2	5.65	7.5	16.8	umhos/cm	594 umhos/cm	2:20
3	5.69	7.5	16.9	umhos/cm	606 umhos/cm	3:30
4	5.58	7.5	18.7		599 µs/cm	450
5						
6						
Final	—	—	—	—	—	—

Well 3L	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	7.48	7.5	15.8	N/a umhos/cm	605 umhos/cm	425 P.M
2				umhos/cm	umhos/cm	
3				umhos/cm	umhos/cm	
4						
5						
6						
Final	—	—	—	—	—	—

Well	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1				umhos/cm	umhos/cm	
2				umhos/cm	umhos/cm	
3				umhos/cm	umhos/cm	
4						
5						
6						
Final						

PURGE PARAMETER MEASUREMENTS

SEVERN TRENT SERVICES

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720-6961

DATE: 5-16-01

CLIENT: CCL Custom MFG INC

Well 4	Recharge (ft)	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	5.36	7.1	23.7	N/a umhos/cm	1288 umhos/cm	11:00
2	5.34	7.2	22.5	umhos/cm	1312 umhos/cm	11:55
3	5.33	7.2	24.8	umhos/cm	1256 umhos/cm	1:30
4	5.36	7.2	22.8	µs/cm	1308 µs/cm	2:25
5						
6						
Final	—	—	—	—	—	—

Well 3E	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	6.68	7.0	17.3	N/a umhos/cm	382 umhos/cm	11:15
2	6.70	7.0	17.5	umhos/cm	385 umhos/cm	12:05
3	6.70	7.0	18.5	umhos/cm	372 umhos/cm	1:45
4	6.71	7.0	18.1	µs/cm	378 µs/cm	2:35
5						
6						
Final	—	—	—	—	—	—

Well 3K	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	5.04	7.4	17.1	N/a umhos/cm	628 umhos/cm	2:45
2				umhos/cm	umhos/cm	
3				umhos/cm	umhos/cm	
4						
5						
6						
Final	—	—	—	—	—	—

PURGE PARAMETER MEASUREMENTS

SEVERN TRENT SERVICES

DATE: 5-16-01

CLIENT: CCL Custom MFG INC

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720-6961

Well 9A	Recharge (ft)	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	10.50	6.9	17.1	N/a umhos/cm	2200 umhos/cm	11:30
2	10.50	6.9	17.5	umhos/cm	2170 umhos/cm	12:15
3	10.50	6.9	17.5	umhos/cm	2170 umhos/cm	1:55
4	10.50	6.9	17.9	µs	2170	2:55
5						
6						
Final	—	—	—	—	—	—

Well 9C	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	9.20	7.2	17.9	N/a umhos/cm	1167 umhos/cm	~~3:05~~ 3:10
2				umhos/cm	umhos/cm	
3				umhos/cm	umhos/cm	
4				µs/cm		
5						
6						
Final	—	—	—	—	—	—

Well 9B	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	9.61	7.4	17.8	N/a umhos/cm	927 umhos/cm	~~3:10~~ 3:15
2				umhos/cm	umhos/cm	
3				umhos/cm	umhos/cm	
4						
5						
6						
Final	—	—	—	—	—	—

PURGE PARAMETER MEASUREMENTS

SEVERN TRENT SERVICES

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720-6961

DATE: 5-16-01

CLIENT: CCL Custom MFG, INC

Well 4B	Recharge (ft)	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	10.87	6.9	17.9	N/a umhos/cm	1599 umhos/cm	3:25
2				umhos/cm	umhos/cm	
3				umhos/cm	umhos/cm	
4						
5						
6						
Final	—	—	—	—	—	—

Well 4A	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	8.81	7.2	18.3	N/a umhos/cm	829 umhos/cm	3:35
2				umhos/cm	umhos/cm	
3				umhos/cm	umhos/cm	
4						
5						
6						
Final	—	—	—	—	—	—

Well 6	Recharge	pH	Temp Degree C	Initial Conductance	Temp. Adjusted Conductance	Time
1	5.95	7.2	15.5	N/a umhos/cm	2350 umhos/cm	3:55
2				umhos/cm	umhos/cm	
3				umhos/cm	umhos/cm	
4						
5						
6						
Final	—	—	—	—	—	—

5-16-01

Well	Recharge	pH	Temp.	Temp Adjusted Cond.	Time
D	8.81	6.7	18.4 °C	2780 µs/cm	11:40
	8.79	6.8	18.5 °C	2870 µs/cm	12:25
	8.79	6.8	18.4 °C	2980 µs/cm	2:15
	8.75	6.9	18.7 °C	3020 µs/cm	4:10
3F	10.19	7.1	15.8 °C	1858 µs/cm	4:25
IPS-2	—	7.1	18.2 °C	1816 µs/cm	1:50
-1	—	7.3	23.5 °C	1151 µs/cm	4:45

MONITORING WELL FIELD SHEET

2" casing = 21 oz./ft. = 0.164 gal./ft.
3" casing = 47 oz./ft. = 0.367 gal./ft.
4" casing = 83 oz./ft. = 0.648 gal./ft.
5" casing = 131 oz./ft. = 1.020 gal./ft.
6" casing = 188 oz./ft. = 1.469 gal./ft.

CLIENT: Yvonne Sherman Samplers: JDG, WC

FACILITY: CCL Custom MFG, INC

DATE: 5-15-01 - 5-16-01

SEVERN TRENT SERVICES
STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720-6961

Well Number	Water Level (ft.)	Casing Depth. (ft.)	3 Well Volumes to Remove (Gal)	Actual Volume Removed		Recharged Water Level		Sample Appearance and Comments
				Gal.	Time	Ft.	Time	
8	14.33	22.67	4.10	2.75	5-15 8:20	14.43	5-15 12:30	Clear to LT cloudy brown dry @ 2.75 gal
7A	11.05	20.73	4.76	3.00	5-15 8:40	11.03	5-15 12:40	Clear to LT cloudy brown to muddy grey brown dry @ 3.00 gal
7	5.51	16.63	5.47	5.50	5-15 8:55	5.47	5-15 12:50	Clear to LT cloudy brown to cloudy brown
3L	6.13	22.01	7.81	8.00	5-15 9:35	7.48	5-15 4:25	Clear to cloudy LT grey brown
3B	5.42	19.75	7.05	3.50	5-15 9:50	5.45	5-15 1:00	Clear to cloudy lt brown to brown dry @ 3.50 gal
4	5.37	19.42	15.47	15.50	5-16 8:20	5.36	5-16 11:00	Clear to LT cloudy
3E	6.69	20.73	6.91	7.00	5-16 8:35	6.68	5-16 11:15	Clear to cloudy lt grey brown
3K	5.03	19.23	6.99	7.00	5-15 4:40	5.04	5-16 2:45	Clear (lot of ants in purge H2O) to LT cloudy grey
9A	10.49	16.86	3.13	1.50	5-16 8:50	10.50	5-16 11:30	Clear to cloudy lt brown dry @ 1.50 gal
9C	9.18	19.55	5.10	5.25	5-16 9:05	9.20	5-16 3:10	Clear to cloudy brown
9B	9.51	20.51	5.41	5.50	5-15 5:10	9.61	5-16 3:15	Clear to cloudy brown to grey brown

MONITORIN[illegible]L FIELD SHEET

2" casing = 21 oz./ft. = 0.164 gal./ft.
3" casing = 47 oz./ft. = 0.367 gal./ft.
4" casing = 83 oz./ft. = 0.648 gal./ft.
5" casing = 131 oz./ft. = 1.020 gal./ft.
6" casing = 188 oz./ft. = 1.469 gal./ft.

CLIENT: Yvonne Sherman Samplers: JDG, WC

FACILITY: CCL Custom MFG INC

DATE: 5-16-01

Page 2 of 2

SEVERN TREN SERVICES

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720-6961

Well Number	Water Level (ft.)	Casing Depth. (ft.)	3 Well Volumes to Remove (Gal)	Actual Volume Removed		Recharged Water Level		Sample Appearance and Comments
				Gal.	Time	Ft.	Time	
4B	10.82	22.24	5.62	5.75	5-16 9:15	10.87	5-16 3:25	CLEAR to LT cloudy rusty brown to LT brown
4A	8.71	22.54	6.80	7.00	5-16 9:45	8.81	5-16 3:35	CLEAR to cloudy lt brown
6	5.91	19.26	6.57	6.75	5-16 10:00	5.95	5-16 3:55	CLEAR to cloudy lt grey brown to cloudy grey
5D	8.75	16.83	3.98	2.25	5-16 10:15	8.81	5-16 11:40	CLEAR to LT cloudy brown dry @ 2.25gal
3F	10.16	19.85	4.77	5.00	5-16 10:30	10.19	5-16 4:25	CLEAR to LT cloudy brown

CUSTOM MFG. INC. DANVILLE IL.

Visually inspect each well and complete the table below

(one line entry for each well)

WELL #	SURVEY MARK PRESENT		STANDING POND WATER		EVIDENCE OF FROST HEAVING		EVIDENCE OF WELL DAMAGE		EVIDENCE OF CASING DAMAGE		EVIDENCE OF WELL SINKING		PICTURE # TAKEN		INNER PIPE CAP IN PLACE		CAP LOCK IN PLACE		SHELL PAINT GOOD/BAD		SHELL DRAIN OPEN		NOTES
	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	GOOD	BAD	YES	NO	
1		X		X		X		X		X		X		X	X		X		X		X		inner casing chipped 3" well
1-A		X		X		X		X		X		X		X	X		X		X		X		
1-B		X		X		X		X		X		X		X	X		X		X		X		
2		X		X		X		X		X		X		X	X		X		X		X		
3		X		X		X		X		X		X		X	X		X		X		X		
3-A		X		X		X		X		X		X		X	X		X		X		X		1 post cracked
3-B		X		X		X		X		X		X		X	X		X		X		X		
3-C		X		X		X		X		X		X		X	X		X		X		X		
3-D		X		X		X		X		X		X		X	X		X		X		X		
3-E		X		X		X		X		X		X		X	X		X		X		X		
3-F		X		X		X		X		X		X		X	X		X		X		X		
3-G	X			X		X		X		X		X		X	X		X		X		X		
3-H		X		X		X		X		X		X		X	X		X		X		X		
3-I		X		X		X		X		X		X		X	X		X		X		X		
3-J		X		X		X		X		X		X		X	X		X		X			X	
3-K		X		X		X		X		X		X		X	X		X		X		N/a	N/a	lot of cats in and around well
3-L		X		X		X		X		X		X		X	X		X		X		N/a	N/a	needs another bolt for lid
4		X		X		X		X		X		X		X	X		X		X		X		
4-A		X		X		X		X		X		X		X	X		X		X		X		
4-B		X		X		X		X		X		X		X	X		X		X		N/a	N/a	
4-C		X		X		X		X		X		X		X	X		X		X		X		
[illegible]		X		X		X		X		X		X		X	X		X		X		X		
[illegible]		X		X		X		X		X		X		X	X		X		X		X		
[illegible]		X		X		X		X		X		X		X	X		X		X		X		
4-G		X		X		X		X		X		X		X	X		X		X		X		
4-H	X			X		X		X		X		X		X	X		X		X		X		
5		X		X		X		X		X		X		X	X		X		X		X		
5-A		X		X		X		X		X		X		X	X		X		X		X		
5-B		X		X		X		X		X		X		X	X		X		X		N/a	N/a	
5-C		X		X		X		X		X		X		X	X		X		X		X		
5-D		X		X		X		X		X		X		X	X		X		X		X		
5-E		X		X		X		X		X		X		X	X		X		X		X		
5-F		X		X		X		X		X		X		X	X		X		X		X		
5-G		X		X		X		X		X		X		X	X		X		X		X		
6		X		X		X		X		X		X		X	X		X		X		X		
7		X		X		X		X		X		X		X	X		X		X		X		well appears slightly loose
7-A		X		X		X		X		X		X		X	X		X		X		X		
8		X		X		X		X		X		X		X	X		X		X		X		
9		X		X		X		X		X		X		X	X		X		X		X		
9-A		X		X		X		X		X		X		X	X		X		X		X		
9-B		X		X		X		X		X		X		X	X		X		X		X		
9-C		X		X		X		X		X		X		X	X		X		X		X		bottom needs painted
20		X		X		X		X		X		X		X	X		X		X		X		

ALL QUESTIONS ABOVE MUST BE ANSWERED

DATE OF INSPECTION: 5-15-01 & Weather Sunny SW wind 15-30 mph 90°F

SIGN NAME OF INSPECTOR AND PRINT CCL NAME. [signature]

STL NORTH CANTON

CCL, DANVILLE MW'S ✓FORM ✓PROCESS NOV. 1995

FOLLOW THIS ✓ PROCESS #	MW #	WELL GRADE	H2O LEVEL IN FEET	WATER GRADE	TIME/DATE 5-15.01	INSPECTION NOTES
1	8	654.67	14.33	22.67	8:10	hard bottom
2	20	652.54	13.58	105.22	8:20	4" well, soft sticky bottom
3	7-A	650.30	11.05	20.73	8:30	hard bottom
4	7	651.26	5.51	16.63	8:45	soft bottom, lot of sediment
5	4-G	655.48	7.90	20.08	9:00	solid bottom, ~~lot~~ some gritlyness
6	3-L	651.49	6.13	22.01	9:10	flush mount, lot of sed. @ bottom
7	3-B	651.62	5.42	19.75	9:40	hard bottom
8	3-C	653.33	7.33	17.78	10:00	hard bottom
9	3-D	655.57	6.09	16.60	10:05	some sed. well apron loose
* 10	4	663.20	5.37	19.42	10:10	hinge broken 3" well inner PVC cracked
11	3-E	653.57	6.69	20.73	10:15	well slightly loose ~~Apron cracked~~ solid bottom
12	3-K	652.31	5.03	19.23	10:20	needs 2 bolts for casing lid, some sediment
13	4-E	661.31	6.09	24.25	10:25	hard bottom
14	4-F	656.21	4.36	20.01	10:30	Inner casing chipped no apron
15	4-C	662.54	6.59	18.37	10:35	solid bottom
16	9-A	653.08	10.49	16.86	10:40	Solid bottom
17	9-C	656.18	9.18	19.55	10:45	pretty solid bottom, apron cracked
18	9-B	657.79	9.51	20.51	10:50	pretty solid bottom, some sediment
19	5-E	661.25	11.06	27.17	10:55	well slightly loose, solid bottom
20	4-D	660.51	5.60	23.85	11:00	Solid bottom
21	3-G	651.63	16.04	19.85	11:05	pretty solid bottom some sediment
22	3-I	656.50	6.50	21.75	11:10	well slightly loose, solid bottom
23	3-J	653.01	11.41	20.05	11:15	well apron loose, drain hole plugged
24	5-B	659.47	8.00	19.03	11:20	solid bottom, no drain hole outer casing cracked
25	3	653.40	8.45	21.59	11:25	solid bottom
26	3-H	653.57	7.72	20.44	11:30	apron cracked, hard bottom
27	3-A	653.50	6.51	17.29	11:35	3" well outer casing lid chipped
28	R-2	654.37	11.18	20.73	11:40	hard bottom
29	5-G	659.49	10.68	21.69	11:45	solid bottom
30	5-F	656.86	7.60	16.80	11:50	solid bottom
31	1	653.90	7.40	15.03	11:55	solid bottom
32	1-A	653.91	14.53	22.34	12:00	hard bottom
33	1-B	654.25	7.64	17.03	12:05	solid bottom ants around entire inside well
34	4-B	658.59	10.82	22.24	12:10	flush mount, some grit, solid bottom
35	4-A	662.03	8.71	22.54	12:15	bottom sticky bottom, rebels painted, well apron loose
36	5	662.50	10.89	18.21	12:20	pretty solid bottom
37	5-C	659.77	9.10	18.96	12:30	lot of sed @ bottom
38	5-A	661.63	12.32	18.50	2:35	Some grit/sed
39	9	659.25	14.17	20.64	2:40	hard bottom
40	6	658.09	5.91	19.26	2:45	pretty solid bottom some sed
41	4-H	657.23	13.93	21.42	2:50	soft bottom, lot of sed.
42	5-D	656.97	8.75	16.83	3:35	~~So~~ hard bottom
43	3-F	652.35	10.16	19.85	3:40	pretty solid bottom some grit/sed
44	AS-1 SUMP	660.00	N/a	N/a	N/a	N/a

* hinge needs replaced, able to open up well even though lock is in place

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

576582

STL4149 (0700)

Client	Project Manager	Date	Page 1 of 2
CCL CUSTOM MANUFACTURING, INC.	RICH FERREIRA	05/08/2001 5-14-01	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	
35 MARTIN STREET	(512) 892-6684 / (512) 892-6652	STL North Canton 5-15-01 5-16-01	
City / State / Zip Code	**Site Contact**		
CUMBERLAND / RI / 02864	RICH FERREIRA		
Project Number/Name	**Carrier/Waybill Number**		
CCL - DANVILLE, ILLINOIS			
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER #		QUOTE: 13063	

Analysis: MS/MSD (X); TOC (X)

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	MS/MSD	TOC
TRIP BLANK	5-14-01	730	WATER	40ml	VIAL	3	Conc H2SO4	OK		X
TRIP BLANK			WATER	40ml	VIAL	3	1:1 HCl		X	
TRIP BLANK *	5-16-01	1500	WATER	250ml	AMBER	1	Conc H2SO4			X
MW-8 REP 1	5-15-01	1230	WATER	40ml	VIAL	3	Conc H2SO4			X
MW-8 REP 1			WATER	250ml	AMBER	1	Conc H2SO4			X
MW-8 REP 2		150	WATER	40ml	VIAL	3	Conc H2SO4			X
MW-8 REP 2			WATER	250ml	AMBER	1	Conc H2SO4			X
MW-8 REP 3		300	WATER	40ml	VIAL	3	Conc H2SO4			X
MW-8 REP 3			WATER	250ml	AMBER	1	Conc H2SO4			X
MW-8 REP 4		355	WATER	40ml	VIAL	3	Conc H2SO4			X
MW-8 REP 4			WATER	250ml	AMBER	1	Conc H2SO4			X
MW-8 MS			WATER	40ml	VIAL	3	Conc H2SO4			X
MW-8 MS			WATER	250ml	AMBER	1	Conc H2SO4			X
MW-8 MSD			WATER	40ml	VIAL	3	Conc H2SO4			X
MW-8 MSD			WATER	250ml	AMBER	1	Conc H2SO4			X
MW-4 REP 3	5-16-01	130	WATER	40ml	VIAL	3	Conc H2SO4			X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify): Yvonne Sherman

	Date	Time		Date	Time
1. Relinquished By: William R Cadell	5-17-01	845	1. Received By: Yvonne Sherman	5/17/01	9:10
2. Relinquished By			2. Received By		
3. Relinquished By: William R Cadell	5-17-01	715	3. Received By: Jerry Stiller	5-18-01	8:00am

Comments: * Forgot to fill @ Lab before leaving. Filled with DI water 5-16-01

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

576 [illegible]

STL4149 (0700)

Client: CCL CUSTOM MANUFACTURING, INC.	Project Manager: RICH FERREIRA	Date: ~~05/08/2001~~ 5-16-01	Page 2 of 7
Address: 35 MARTIN STREET	Telephone Number (Area Code)/Fax Number: (512) 892-6684 / (512) 892-6652	Lab Location: STL North Canton	
City: CUMBERLAND; State: RI; Zip Code: 02864	Site Contact: RICH FERREIRA		
Project Number/Name: CCL - DANVILLE, ILLINOIS	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number: CONTRACT / PURCHASE ORDER # :		QUOTE: 13063	

Analysis

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	MS8240	TOC	TOX
MW-4 REP 3	5-16-01	130	WATER	250mL	AMBER	1	Conc H2SO4	OK			X
MW-4 REP 4	↓	2:25	WATER	40mL	VIAL	3	Conc H2SO4	↓		X	
MW-4 REP 4	↓	↓	WATER	250mL	AMBER	1	Conc H2SO4	↓			X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	5-17-01	845	1. Received By: Yvonne Sherman	5/17/01	9:10
2. Relinquished By:			2. Received By:		
3. Relinquished By: [signature]	5-17-01	715	3. Received By: [signature]	5-18-01	8:00

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

SEVERN TRENT SERVICES

576504

Severn Trent Laboratories, Inc.

STL4149 (0700)

Client	Project Manager	Date
CCL CUSTOM MANUFACTURING, INC.	RICH FERREIRA	~~05/08/2001~~ 5-15-01
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**
35 MARTIN STREET	(512) 892-6684 / (512) 892-6652	STL North Canton
City / State / Zip Code	**Site Contact**	
CUMBERLAND / RI / 02864	RICH FERREIRA	
Project Number/Name	**Carrier/Waybill Number**	
CCL - DANVILLE, ILLINOIS		
Contract/Purchase Order/Quote Number		
CONTRACT / PURCHASE ORDER # :		QUOTE: 13063

Page 3 of 7

Analysis: MBX240 (MTBE); TOC

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	MBX240	TOC
MW-7A REP 1	5-15-01	1240	WATER	40ml	VIAL	3	Conc H2SO4	OK	X	
MW-7A REP 1		1	WATER	250ml	AMBER	1	Conc H2SO4			X
MW-7A REP 2		200	WATER	40ml	VIAL	3	Conc H2SO4		X	
MW-7A REP 2		1	WATER	250ml	AMBER	1	Conc H2SO4			X
MW-7A REP 3		310	WATER	40ml	VIAL	3	Conc H2SO4		X	
MW-7A REP 3		1	WATER	250ml	AMBER	1	Conc H2SO4			X
MW-7A REP 4		405	WATER	40ml	VIAL	3	Conc H2SO4		X	
MW-7A REP 4		1	WATER	250ml	AMBER	1	Conc H2SO4			X
MW-7 REP 1		1250	WATER	40ml	VIAL	3	Conc H2SO4		X	
MW-7 REP 1		1	WATER	250ml	AMBER	1	Conc H2SO4			X
MW-7 REP 2		210	WATER	40ml	VIAL	3	Conc H2SO4		X	
MW-7 REP 2		1	WATER	250ml	AMBER	1	Conc H2SO4			X
MW-7 REP 3		320	WATER	40ml	VIAL	3	Conc H2SO4		X	
MW-7 REP 3		1	WATER	250ml	AMBER	1	Conc H2SO4			X
MW-7 REP 4		415	WATER	40ml	VIAL	3	Conc H2SO4		X	
MW-7 REP 4		1	WATER	250ml	AMBER	1	Conc H2SO4			X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: William R Cotell	5-17-01	8:45	1. Received By: Yvonne Sherman	5/17/01	9:10
2. Relinquished By:			2. Received By:		
3. Relinquished By: William R Cotell	5-17-01	715	3. Received By: Jerry Miller	5-18-01	8:00

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

576[illegible]

STL4149 (0700)

Client	Project Manager	Date	Page ___ of ___
CCL CUSTOM MANUFACTURING, INC.	RICH FERREIRA	~~05/09/2001~~ 5-15-01	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	
35 MARTIN STREET	(512) 892-6684 / (512) 892-6652	STL North Canton 5-16-01	
City / **State** / **Zip Code**	**Site Contact**		
CUMBERLAND / RI / 02864	RICH FERREIRA		
Project Number/Name	**Carrier/Waybill Number**		
CCL - DANVILLE, ILLINOIS			
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # :	QUOTE: 13063		

Analysis: MS8240 / TOC / TOX

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	MS8240	TOC	TOX
FIELD BLANK	5.16-01	500	WATER	40mL	VIAL	3	Conc H2SO4	OK		X	
FIELD BLANK			WATER	40mL	VIAL	3	1:1 HCL		X		
FIELD BLANK *			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-3L	5-15-01	425	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-3B REP 1		100	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-3B REP 1			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-3B REP 2		220	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-3B REP 2			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-3B REP 3		330	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-3B REP 3			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-3B REP 4		450	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-3B REP 4			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-3B DUPLICATE			WATER	40mL	VIAL	2	Conc H2SO4			X	
MW-3B DUPLICATE			WATER	250mL	AMBER	1	Conc H2SO4				X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other ___

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: William R Cotell	5-17-01	8:45	1. Received By: Yvonne Sherman	5/17/01	9:10
2. Relinquished By			2. Received By		
3. Relinquished By: William R Cotell	5-17-01	715	3. Received By: Jenny Stiller	5-18-01	8:00

Comments

* Forgot [illegible] of purge water to take field blank for TOX. Filled a[illegible] 250ml w/ DI water. Poured into a preserved 250[illegible] for TOX

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

576102

STL4149 (0700)

Client	Project Manager	Date
CCL CUSTOM MANUFACTURING, INC	RICH FERREIRA	~~05/08/2001~~ 5-16-01
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**
35 MARTIN STREET	(512) 892-6684 / (512) 892-6652	STL North Canton

City	State	Zip Code	Site Contact
CUMBERLAND	RI	02864	RICH FERREIRA

Project Number/Name: CCL - DANVILLE, ILLINOIS

Carrier/Waybill Number:

Contract/Purchase Order/Quote Number: CONTRACT / PURCHASE ORDER # : QUOTE: 13063

Page 5 of 7

Analysis

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	MS8240	TOC	TOX
MW-4 REP 1	5-16-01	1100	WATER	40mL	VIAL	3	Conc H2SO4	OK		X	
MW-4 REP 1		1	WATER	250mL	AMBER	1	Conc H2SO4				X
MW-4 REP 2		1155	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-4 REP 2		1	WATER	250mL	AMBER	1	Conc H2SO4				X
MW-3E REP 1		1115	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-3E REP 1		1	WATER	250mL	AMBER	1	Conc H2SO4				X
MW-3E REP 2		1205	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-3E REP 2		1	WATER	250mL	AMBER	1	Conc H2SO4				X
MW-3E REP 3		145	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-3E REP 3		1	WATER	250mL	AMBER	1	Conc H2SO4				X
MW-3E REP 4		235	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-3E REP 4		1	WATER	250mL	AMBER	1	Conc H2SO4				X

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other ____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: William R Cordell	5-17-01	8:45	1. Received By: Yvonne Sherman	5/17/01	9:10
2. Relinquished By:			2. Received By:		
3. Relinquished By: William R Cordell	5-17-01	715	3. Received By: Jennifer Miller	5-18-01	8:00

Comments

DISTRIBUTION: WHITE - Stays with the Sample: CANARY - Returned to Client with Report: PINK - Field Copy

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

576 [illegible]

STL4149 (0700)

Client	Project Manager	Date	Page 6 of 7
CCL CUSTOM MANUFACTURING, INC.	RICH FERREIRA	~~05/09/2001~~ 5-16-01	

Address	Telephone Number (Area Code)/Fax Number	Lab Location
35 MARTIN STREET	(512) 892-6684 / (512) 892-6652	STL North Canton

City	State	Zip Code	Site Contact
CUMBERLAND	RI	02864	RICH FERREIRA

Project Number/Name	Carrier/Waybill Number
CCL - DANVILLE, ILLINOIS	

Contract/Purchase Order/Quote Number

CONTRACT / PURCHASE ORDER # : QUOTE: 13063

Analysis

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	M8240-L	TOC	TOX
MW-3K	5-16-01		WATER	40mL	VIAL	3	1:1 HCL	OK	X		
MW-9A REP 1		1130	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-9A REP 1			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-9A REP 2		12:15	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-9A REP 2			WATER	250mL	AMBER	1	Conc H2SO4				X
MW 9A REP 3		155	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW 9A REP 3			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-9A REP 4		2155	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-9A REP 4			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-9C		3:10	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-9B		3:15	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-4B		3:25	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-4A		3:35	WATER	40mL	VIAL	3	1:1 HCL		X		
MW-4A DUPLICATE			WATER	40mL	VIAL	3	1:1 HCL		X		

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	5-17-01	8:45	1. Received By: Yvonne Sherman	5/17/01	9:10
2. Relinquished By:			2. Received By:		
3. Relinquished By: [signature]	5-17-01	7:15 P.M	3. Received By: [signature]	5-18-01	8:00

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

Chain of Custody Record

CHAIN OF CUSTODY NUMBER

SEVERN TRENT SERVICES

576 104

Severn Trent Laboratories, Inc.

STL4149 (0700)

Client	Project Manager	Date	Page ___ of ___
CCL CUSTOM MANUFACTURING, INC	RICH FERREIRA	05/09/2001 5-16-01	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	
35 MARTIN STREET	(512) 892-6684 / (512) 892-6662	STL North Canton	
City / **State** / **Zip Code**	**Site Contact**		
CUMBERLAND / RI / 02864	RICH FERREIRA		
Project Number/Name	**Carrier/Waybill Number**		
CCL - DANVILLE, ILLINOIS			
Contract/Purchase Order/Quote Number			
CONTRACT / PURCHASE ORDER # :		QUOTE: 13063	

Analysis: MS8240 / TOC / TOX

Sample I.D. Number and Description	Date	Time	Sample Type	Containers Volume	Containers Type	Containers No.	Preservative	Condition on Receipt/Comments	MS8240	TOC	TOX
MW-6	5-16-01	3:55	WATER	40mL	VIAL	3	1:1 HCL	OK	X		
MW-5D REP 1		1140	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-5D REP 1			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-5D REP 2		12:25	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-5D REP 2			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-5D REP 3		2:15	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-5D REP 3			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-5D REP 4		4:10	WATER	40mL	VIAL	3	Conc H2SO4			X	
MW-5D REP 4			WATER	250mL	AMBER	1	Conc H2SO4				X
MW-5D DUPLICATE			WATER	40mL	VIAL	3	1:1 HCL		X		
[illegible]		4:25	WATER	40mL	VIAL	3	1:1 HCL		X		
[illegible]		1:50	WATER	40mL	VIAL	3	1:1 HCL		X		
[illegible]		4:45	WATER	40mL	VIAL	3	1:1 HCL		X		

Special Instructions

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other ___

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	5-17-01	8:45	1. Received By: Yvonne Sherman	5/17/01	9:10
2. Relinquished By:			2. Received By:		
3. Relinquished By: [signature]	5-17-01	715P.m	3. Received By: Jenny Stiller	5/18/01	8:00

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy