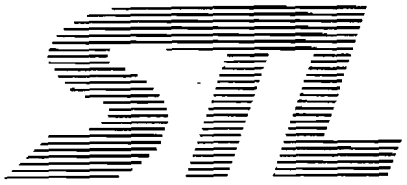

Committed To *Your* Success

Severn Trent Laboratories
10 Hazelwood Drive
Suite 106
Amherst, New York 14228-2298

Tel: (716) 691-2600
Fax: (716) 691-7991

July 7, 1999

Mr. Thomas Eschner
Harding Lawson Assciates
511 Congress St
Portland, ME 04112

RE: Analytical Results

Dear Mr. Eschner:

Please find enclosed results concerning the analyses of the samples recently submitted to Severn Trent Laboratories, Inc. The pertinent information regarding these analyses is listed below:

Quote #:	NY95-155
Project Name:	Arch Chemical Treatability
Matrix:	Water
Samples Received:	06/22/99
Sample Date:	06/21,20,19/99

If you have any questions concerning these data, please contact me at (716) 691-2600 and refer to the I.D. number listed below. It has been our pleasure to provide Harding Lawson Associates with environmental testing services. We look forward to serving you in the future.

Sincerely,

Severn Trent Laboratories, Inc.

Brian J. Fischer
Program Manager

BJF/csm
Enclosure

I.D. #A99-3944
#NY5A5762

This report contains 21 pages which are individually numbered.

Committed To *Your* Success

ANALYTICAL RESULTS

Prepared For:

Harding Lawson Assciates
511 Congress St
Portland, ME 04112

Prepared By:

Severn Trent Laboratories, Inc.
10 Hazelwood Drive, Suite 106
Amherst, NY 14228-2298

METHODOLOGIES

The specific methodologies employed in obtaining the enclosed analytical results are indicated on the specific data table. The method numbers presented refer to the following U.S. Environmental Protection Agency references.

* "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846), Third Edition, September 1994, U.S. Environmental Protection Agency Office of Solid Waste.

COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic Data Comment Page.

METHOD 8270

Samples 1-1, 1-2, 1-3, 2-1, 2-2, 2-3, 3-1, 3-2, 3-3, and PRETREAT exhibited surrogate recovery results outside quality control limits for Nitrobenzene-D5, Terphenyl-D14, 2-Fluorobiphenyl, 2-Fluorophenol, Phenol-D5, and 2,4,6-Tribromophenol.

All client samples were analyzed at a dilution factor of 500.

The Matrix Spike Blank exhibited spike recovery results outside quality control limits for 2-Chloropyridine.

The relative percent difference (RPD) for spike recovery between the Matrix Spike Blank and the Matrix Spike Blank Duplicate was outside quality control limits for 2-Chloropyridine.

No other deviations were observed during the analytical procedure. Batch Quality Control (QC) for this Methodology was reviewed and found to be within acceptance criteria.

ORGANIC DATA COMMENT PAGE

Laboratory Name: SEVERN TRENT LABORATORIES INC.

USEPA Defined Organic Data Qualifiers:

U	-	Indicates compound was analyzed for but not detected.
J	-	Indicates an estimate value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	-	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	-	This flag is used when the analyte is found in the associated blank as well as in the sample.
E	-	This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
D	-	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
T	-	This flag is used when the analyte is found in the associated TCLP extraction blank as well as in the sample.
N	-	Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.
P	-	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
A	-	This flag indicates that a TIC is a suspected aldol-condensation product.

Sample Data Package

HARDING LAWSON ASSOCIATES - Olin Rochester
Arch Chemical Treatability
METHOD 8270-TCL SEMI-VOLATILES PLUS ADD COMPOUNDS

Client ID		1-1		1-2		1-3		2-1	
Job No / Lab ID		A99-3944	A9394401	A99-3944	A9394402	A99-3944	A9394403	A99-3944	A9394404
Sample Date		06/19/1999		06/19/1999		06/19/1999		06/20/1999	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Anthracene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(a)anthracene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(b)fluoranthene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(k)fluoranthene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(ghi)perylene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(a)pyrene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzoic acid	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
Benzyl alcohol	UG/L	ND	9400	ND	9400	ND	9400	ND	9400
Bis(2-chloroethoxy) methane	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Bis(2-chloroethyl) ether	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,2'-Oxybis(1-Chloropropane)	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Bis(2-ethylhexyl) phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Bromophenyl phenyl ether	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Butyl benzyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Chloroaniline	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Chloro-3-methylphenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Chloronaphthalene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Chlorophenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Chlorophenyl phenyl ether	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Chrysene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Dibenzo(a,h)anthracene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Dibenzofuran	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Di-n-butyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
1,3-Dichlorobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
1,4-Dichlorobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
3,3'-Dichlorobenzidine	UG/L	ND	9400	ND	9400	ND	9400	ND	9400
2,4-Dichlorophenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Diethyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,4-Dimethylphenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Dimethyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4,6-Dinitro-2-methylphenol	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
2,4-Dinitrophenol	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
2,4-Dinitrotoluene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,6-Dinitrotoluene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Di-n-octyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Fluoranthene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Fluorene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Hexachlorobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Hexachlorobutadiene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Hexachlorocyclopentadiene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Hexachloroethane	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Indeno(1,2,3-cd)pyrene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700

000004

NA = Not Applicable ND = Not Detected

HARDING LAWSON ASSOCIATES - Olin Rochester
Arch Chemical Treatability
METHOD 8270-TCL SEMI-VOLATILES PLUS ADD COMPOUNDS

Client ID		1-1		1-2		1-3		2-1	
Job No / Lab ID		A99-3944	A9394401	A99-3944	A9394402	A99-3944	A9394403	A99-3944	A9394404
Sample Date		06/19/1999		06/19/1999		06/19/1999		06/20/1999	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Isophorone	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Methylnaphthalene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Methylphenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Methylphenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Naphthalene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Nitroaniline	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
3-Nitroaniline	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
4-Nitroaniline	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
Nitrobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Nitrophenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Nitrophenol	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
N-nitrosodiphenylamine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
N-Nitroso-Di-n-propylamine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Pentachlorophenol	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
Phenanthrene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Phenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Pyrene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
1,2,4-Trichlorobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,4,5-Trichlorophenol	UG/L	ND	12000	ND	12000	ND	12000	ND	12000
2,4,6-Trichlorophenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Pyridine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Chloropyridine	UG/L	15000	4700	23000	4700	23000	4700	35000	4700
3-Chloropyridine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Chloropyridine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,6-Dichloropyridine	UG/L	950 J	4700	2200 J	4700	1500 J	4700	2900 J	4700
p-Fluoroaniline	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	108	50-200	106	50-200	105	50-200	111	50-200
Naphthalene-D8	%	110	50-200	108	50-200	112	50-200	111	50-200
Acenaphthene-D10	%	110	50-200	111	50-200	111	50-200	113	50-200
Phenanthrene-D10	%	111	50-200	110	50-200	111	50-200	115	50-200
Chrysene-D12	%	111	50-200	109	50-200	112	50-200	114	50-200
Perylene-D12	%	92	50-200	91	50-200	96	50-200	94	50-200
Nitrobenzene-D5	%	0 *	26-114	0 *	26-114	0 *	26-114	0 *	26-114
Terphenyl-D14	%	0 *	31-141	0 *	31-141	0 *	31-141	0 *	31-141
2-Fluorobiphenyl	%	0 *	28-116	0 *	28-116	0 *	28-116	0 *	28-116
2-Fluorophenol	%	0 *	10-105	0 *	10-105	0 *	10-105	0 *	10-105
Phenol-D5	%	0 *	10-105	0 *	10-105	0 *	10-105	0 *	10-105
2,4,6-Tribromophenol	%	0 *	10-135	0 *	10-135	0 *	10-135	0 *	10-135

NA = Not Applicable ND = Not Detected

STL Buffalo

HARDING LAWSON ASSOCIATES - Olin Rochester
Arch Chemical Treatability
METHOD 8270-TCL SEMI-VOLATILES PLUS ADD COMPOUNDS

Client ID		2-2		2-3		3-1		3-2	
Job No / Lab ID		A99-3944	A9394405	A99-3944	A9394406	A99-3944	A9394408	A99-3944	A9394409
Sample Date		06/20/1999		06/20/1999		06/21/1999		06/21/1999	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Anthracene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(a)anthracene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(b)fluoranthene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(k)fluoranthene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(ghi)perylene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzo(a)pyrene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Benzoic acid	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
Benzyl alcohol	UG/L	ND	9400	ND	9400	ND	9400	ND	9400
Bis(2-chloroethoxy) methane	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Bis(2-chloroethyl) ether	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,2'-Oxybis(1-Chloropropane)	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Bis(2-ethylhexyl) phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Bromophenyl phenyl ether	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Butyl benzyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Chloroaniline	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Chloro-3-methylphenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Chloronaphthalene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Chlorophenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Chlorophenyl phenyl ether	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Chrysene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Dibenzo(a,h)anthracene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Dibenzofuran	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Di-n-butyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
1,3-Dichlorobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
1,4-Dichlorobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
3,3'-Dichlorobenzidine	UG/L	ND	9400	ND	9400	ND	9400	ND	9400
2,4-Dichlorophenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Diethyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,4-Dimethylphenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Dimethyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4,6-Dinitro-2-methylphenol	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
2,4-Dinitrophenol	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
2,4-Dinitrotoluene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,6-Dinitrotoluene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Di-n-octyl phthalate	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Fluoranthene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Fluorene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Hexachlorobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Hexachlorobutadiene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Hexachlorocyclopentadiene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Hexachloroethane	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Indeno(1,2,3-cd)pyrene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700

NA = Not Applicable ND = Not Detected

Client ID		2-2		2-3		3-1		3-2	
Job No	Lab ID	A99-3944	A9394405	A99-3944	A9394406	A99-3944	A9394408	A99-3944	A9394409
Sample Date		06/20/1999		06/20/1999		06/21/1999		06/21/1999	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Isophorone	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Methylnaphthalene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Methylphenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Methylphenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Naphthalene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Nitroaniline	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
3-Nitroaniline	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
4-Nitroaniline	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
Nitrobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Nitrophenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Nitrophenol	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
N-nitrosodiphenylamine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
N-Nitroso-Di-n-propylamine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Pentachlorophenol	UG/L	ND	24000	ND	24000	ND	24000	ND	24000
Phenanthrene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Phenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Pyrene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
1,2,4-Trichlorobenzene	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,4,5-Trichlorophenol	UG/L	ND	12000	ND	12000	ND	12000	ND	12000
2,4,6-Trichlorophenol	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
Pyridine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2-Chloropyridine	UG/L	32000	4700	26000	4700	38000	4700	36000	4700
3-Chloropyridine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
4-Chloropyridine	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
2,6-Dichloropyridine	UG/L	2700 J	4700	2200 J	4700	4500 J	4700	4500 J	4700
p-Fluoroaniline	UG/L	ND	4700	ND	4700	ND	4700	ND	4700
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	109	50-200	116	50-200	123	50-200	124	50-200
Naphthalene-D8	%	114	50-200	118	50-200	119	50-200	116	50-200
Acenaphthene-D10	%	114	50-200	121	50-200	115	50-200	115	50-200
Phenanthrene-D10	%	113	50-200	120	50-200	119	50-200	118	50-200
Chrysene-D12	%	113	50-200	119	50-200	125	50-200	120	50-200
Perylene-D12	%	96	50-200	103	50-200	108	50-200	101	50-200
Nitrobenzene-D5	%	0 *	26-114	0 *	26-114	0 *	26-114	0 *	26-114
Terphenyl-D14	%	0 *	31-141	0 *	31-141	0 *	31-141	0 *	31-141
2-Fluorobiphenyl	%	0 *	28-116	0 *	28-116	0 *	28-116	0 *	28-116
2-Fluorophenol	%	0 *	10-105	0 *	10-105	0 *	10-105	0 *	10-105
Phenol-D5	%	0 *	10-105	0 *	10-105	0 *	10-105	0 *	10-105
2,4,6-Tribromophenol	%	0 *	10-135	0 *	10-135	0 *	10-135	0 *	10-135

HARDING LAWSON ASSOCIATES - Olin Rochester
Arch Chemical Treatability
METHOD 8270-TCL SEMI-VOLATILES PLUS ADD COMPOUNDS

Client ID		3-3		PRETREAT					
Job No	Lab ID	A99-3944	A9394410	A99-3944	A9394407				
Sample Date		06/21/1999		06/20/1999					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene	UG/L	ND	4700	ND	4700	NA		NA	
Anthracene	UG/L	ND	4700	ND	4700	NA		NA	
Benzo(a)anthracene	UG/L	ND	4700	ND	4700	NA		NA	
Benzo(b)fluoranthene	UG/L	ND	4700	ND	4700	NA		NA	
Benzo(k)fluoranthene	UG/L	ND	4700	ND	4700	NA		NA	
Benzo(ghi)perylene	UG/L	ND	4700	ND	4700	NA		NA	
Benzo(a)pyrene	UG/L	ND	4700	ND	4700	NA		NA	
Benzoic acid	UG/L	ND	24000	ND	24000	NA		NA	
Benzyl alcohol	UG/L	ND	9400	ND	9400	NA		NA	
Bis(2-chloroethoxy) methane	UG/L	ND	4700	ND	4700	NA		NA	
Bis(2-chloroethyl) ether	UG/L	ND	4700	ND	4700	NA		NA	
2,2'-Oxybis(1-Chloropropane)	UG/L	ND	4700	ND	4700	NA		NA	
Bis(2-ethylhexyl) phthalate	UG/L	ND	4700	ND	4700	NA		NA	
4-Bromophenyl phenyl ether	UG/L	ND	4700	ND	4700	NA		NA	
Butyl benzyl phthalate	UG/L	ND	4700	ND	4700	NA		NA	
4-Chloroaniline	UG/L	ND	4700	ND	4700	NA		NA	
4-Chloro-3-methylphenol	UG/L	ND	4700	ND	4700	NA		NA	
2-Chloronaphthalene	UG/L	ND	4700	ND	4700	NA		NA	
2-Chlorophenol	UG/L	ND	4700	ND	4700	NA		NA	
4-Chlorophenyl phenyl ether	UG/L	ND	4700	ND	4700	NA		NA	
Chrysene	UG/L	ND	4700	ND	4700	NA		NA	
Dibenzo(a,h)anthracene	UG/L	ND	4700	ND	4700	NA		NA	
Dibenzofuran	UG/L	ND	4700	ND	4700	NA		NA	
Di-n-butyl phthalate	UG/L	ND	4700	ND	4700	NA		NA	
1,3-Dichlorobenzene	UG/L	ND	4700	ND	4700	NA		NA	
1,4-Dichlorobenzene	UG/L	ND	4700	ND	4700	NA		NA	
3,3'-Dichlorobenzidine	UG/L	ND	9400	ND	9400	NA		NA	
2,4-Dichlorophenol	UG/L	ND	4700	ND	4700	NA		NA	
Diethyl phthalate	UG/L	ND	4700	ND	4700	NA		NA	
2,4-Dimethylphenol	UG/L	ND	4700	ND	4700	NA		NA	
Dimethyl phthalate	UG/L	ND	4700	ND	4700	NA		NA	
4,6-Dinitro-2-methylphenol	UG/L	ND	24000	ND	24000	NA		NA	
2,4-Dinitrophenol	UG/L	ND	24000	ND	24000	NA		NA	
2,4-Dinitrotoluene	UG/L	ND	4700	ND	4700	NA		NA	
2,6-Dinitrotoluene	UG/L	ND	4700	ND	4700	NA		NA	
Di-n-octyl phthalate	UG/L	ND	4700	ND	4700	NA		NA	
Fluoranthene	UG/L	ND	4700	ND	4700	NA		NA	
Fluorene	UG/L	ND	4700	ND	4700	NA		NA	
Hexachlorobenzene	UG/L	ND	4700	ND	4700	NA		NA	
Hexachlorobutadiene	UG/L	ND	4700	ND	4700	NA		NA	
Hexachlorocyclopentadiene	UG/L	ND	4700	ND	4700	NA		NA	
Hexachloroethane	UG/L	ND	4700	ND	4700	NA		NA	
Indeno(1,2,3-cd)pyrene	UG/L	ND	4700	ND	4700	NA		NA	

000008

NA = Not Applicable ND = Not Detected

Date: 07/06/1999
Time: 16:59:58

HARDING LAWSON ASSOCIATES - Olin Rochester
Arch Chemical Treatability
METHOD 8270-TCL SEMI-VOLATILES PLUS ADD COMPOUNDS

Rept: AN0326

Client ID		3-3		PRETREAT					
Job No	Lab ID	A99-3944	A9394410	A99-3944	A9394407				
Sample Date		06/21/1999		06/20/1999					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Isophorone	UG/L	ND	4700	ND	4700	NA		NA	
2-Methylnaphthalene	UG/L	ND	4700	ND	4700	NA		NA	
2-Methylphenol	UG/L	ND	4700	ND	4700	NA		NA	
4-Methylphenol	UG/L	ND	4700	ND	4700	NA		NA	
Naphthalene	UG/L	ND	4700	ND	4700	NA		NA	
2-Nitroaniline	UG/L	ND	24000	ND	24000	NA		NA	
3-Nitroaniline	UG/L	ND	24000	ND	24000	NA		NA	
4-Nitroaniline	UG/L	ND	24000	ND	24000	NA		NA	
Nitrobenzene	UG/L	ND	4700	ND	4700	NA		NA	
2-Nitrophenol	UG/L	ND	4700	ND	4700	NA		NA	
4-Nitrophenol	UG/L	ND	24000	ND	24000	NA		NA	
N-nitrosodiphenylamine	UG/L	ND	4700	ND	4700	NA		NA	
N-Nitroso-Di-n-propylamine	UG/L	ND	4700	ND	4700	NA		NA	
Pentachlorophenol	UG/L	ND	24000	ND	24000	NA		NA	
Phenanthrene	UG/L	ND	4700	ND	4700	NA		NA	
Phenol	UG/L	ND	4700	ND	4700	NA		NA	
Pyrene	UG/L	ND	4700	ND	4700	NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	4700	ND	4700	NA		NA	
2,4,5-Trichlorophenol	UG/L	ND	12000	ND	12000	NA		NA	
2,4,6-Trichlorophenol	UG/L	ND	4700	ND	4700	NA		NA	
Pyridine	UG/L	ND	4700	ND	4700	NA		NA	
2-Chloropyridine	UG/L	34000	4700	44000	4700	NA		NA	
3-Chloropyridine	UG/L	ND	4700	ND	4700	NA		NA	
4-Chloropyridine	UG/L	ND	4700	ND	4700	NA		NA	
2,6-Dichloropyridine	UG/L	4000 J	4700	5200	4700	NA		NA	
p-Fluoroaniline	UG/L	ND	4700	ND	4700	NA		NA	
-IS/SURROGATE(S)-									
1,4-Dichlorobenzene-D4	%	123	50-200	124	50-200	NA		NA	
Naphthalene-D8	%	120	50-200	121	50-200	NA		NA	
Acenaphthene-D10	%	115	50-200	117	50-200	NA		NA	
Phenanthrene-D10	%	120	50-200	125	50-200	NA		NA	
Chrysene-D12	%	121	50-200	127	50-200	NA		NA	
Perylene-D12	%	104	50-200	113	50-200	NA		NA	
Nitrobenzene-D5	%	0 *	26-114	0 *	26-114	NA		NA	
Biphenyl-D14	%	0 *	31-141	0 *	31-141	NA		NA	
2-Fluorobiphenyl	%	0 *	28-116	0 *	28-116	NA		NA	
2-Fluorophenol	%	0 *	10-105	0 *	10-105	NA		NA	
Phenol-D5	%	0 *	10-105	0 *	10-105	NA		NA	
2,4,6-Tribromophenol	%	0 *	10-135	0 *	10-135	NA		NA	

600009

NA = Not Applicable ND = Not Detected

STL Buffalo