Appendix G

2006 Sediment Sample Supplement Test Results

G-1

Pesticides

REQUEST FOR SERVICES

USFilter
A Siemens Business

ENVIROSCAN SERVICES 301 W. MILITARY RD. ROTHSCHILD, WI 54474 1-800-338-SCAN

REPORT TO:
Name: Steve Dischler
Company: Foth & VanDyke
Address: 2737 S. Ridge Rd
Green Bay, WI 54307
Phone: (920) 497-2500
P.O.# _____
Project # CCDCC6 Quote # _____
Location Oil City Industrial

BILL TO: (if different from Report To info)
Name: _____
Company: _____
Address: _____
Phone: (____) _____

Sample Type
(Check all that apply)
- ☐ Groundwater
- ☐ Wastewater
- ☒ Soil/Solid
- ☐ Drinking Water
- ☐ Oil
- ☐ Vapor
- ☐ Other

Turnaround Time
- ☒ Normal
- ☐ Rush (Pre-approved by Lab)

Date Needed _____
Approved By _____

ANALYTICAL REQUESTS
(use separate sheet if necessary)

LAB USE ONLY	DATE	TIME	No. of Containers COMP	No. of Containers GRAB	SAMPLE ID	Aroclors (EPA 8082)	Aroclors (EPA 8082)				REMARKS
	6/29/06	13:27	X		HL-(1-4)A	1	1				
	6/29/06	13:35	X		HLN-(1-2)A	1	1				4 aliquots of sample in numbered jars, take fresh plastic bag
	6/29/06	15:00	X		MF-(1-2)A	1	1				
	6/29/06	13:20	X		HL-(1-4)B		1				
	6/29/06	13:45	X		HLN-(1-2)B		1				
	6/29/06	14:20	X		MF-(1-2)B		1				
	6/29/06	16:00	X		BKI-(1-3)A			3			
	6/29/06	16:00	X		BKI-(1-3)B			3			

Del'v: Hand Comm.
Ship. Cont. OK Y N N/A
Samples leaking? Y N N/A
Seals OK? Y N N/A
Rec'd on ice? Y N N/A __°C

Comments: _____

CHAIN OF CUSTODY RECORD

SAMPLERS: *(Signature)* Steve Fiddle

RELINQUISHED BY: *(Signature)*	DATE/TIME	RECEIVED BY: *(Signature)*
Steve Fiddle	6/29/06 16:30	
RELINQUISHED BY: *(Signature)*	DATE/TIME	RECEIVED BY: *(Signature)*
RELINQUISHED BY: *(Signature)*	DATE/TIME	RECEIVED FOR LABORATORY BY: *(Signature)* / DATE/TIME

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: City of Delafield - Foth & VanDyke	Project Manager: Steve Dischler	Date: 6/29/06	Chain of Custody Number: 315447
Address: 2131 S. Ridge Rd	Telephone Number (Area Code)/Fax Number: 920/497/2500	Lab Number	Page 1 of 1
City: Green Bay; State: WI; Zip Code: 54307	Site Contact: Tom Hafner	Lab Contact: Carrie Gamber	
Project Name and Location (State): Nagawicka Lake Restoration, Delafield, WI	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): See Attached	Special Instructions/ Conditions of Receipt
EW-1	6/28/06	12:00		X				X							X	See Attached
ES-1	6/29/06	12:00			X			X							X	"

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 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other None specified

QC Requirements (Specify)

1. Relinquished By: Dana Kaukli	Date: 6/29/06	Time: 16:30	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

SEVERN TRENT STL

STL Chicago
2417 Bond Street
University Park, IL 60466

Tel: 708 534 5200 Fax: 708 534 5211
www.stl-inc.com

SEVERN TRENT LABORATORIES
ANALYTICAL REPORT

JOB NUMBER: 247517

Prepared For:

Siemens Water Technologies Corp.
301 W. Military Road
Rothschild, WI 54474

Project: Subcontract Lab Services

Attention: Eric Lorge

Date: 07/18/2006

Nancy S. McDonald
Signature

Date 7/18/06

Name: Nancy S. McDonald

Title: Project Manager

E-Mail: nmcdonald@stl-inc.com

STL Chicago
2417 Bond Street
University Park, IL 60466

PHONE: (708) 534-5200
FAX..: (708) 534-5211

This Report Contains (19) Pages

STL Chicago
Pesticide Case Narrative

Siemens Water Technologies Corp.
Subcontract Lab Services
Job #: 247517-1 through 5
Pesticides

1. STL Chicago used the following Gas Chromatographic systems for the analysis of these pesticides:

ID#	INSTRUMENT	COLUMN TYPE	DETECTOR
16	HP 6890	Rtx-Clp2 (Primary)	Electron Capture
15	HP 6890	Rtx-Clp1 (Confirmation)	Electron Capture

2. These solid extracts were extracted based on SW846 method 3541. The extracts were analyzed for pesticides based on SW846 method 8081A. All the extracts received a GPC cleanup to help reduce matrix interference.

3. All required holding times were met for the extraction and analysis.

4. The method blank was below the reporting limits for all target compounds.

5. The surrogate compounds used for this analysis were Decachlorobiphenyl (DCB) and Tetrachloro-m-xylene (TCX). All surrogate recoveries were within statistical control limits.

6. All blank spike recoveries were bias high of the statistical control limits, except for Heptachlor and Aldrin which were within control limits. Samples were clean for target compounds of interest and client was notified.

7. A matrix spike and matrix spike duplicate were not performed on these samples.

8. All initial and continuing standard calibrations associated with this sample were in control on both columns. All SSV recoveries were within limits of 85%-115%.

9. Target compounds were not detected in the primary analysis. Therefore, a second column confirmation was not required.

Brenda J. Thompson
Organics Unit Leader

7-18-05
Date

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SAMPLE INFORMATION
Date: 07/18/2006

Job Number.: 247517
Customer....: Siemens Water Technologies Corp.
Attn.....: Eric Lorge

Project Number.....: 20004567
Customer Project ID....: 0606402
Project Description....: Subcontract Lab Services

Laboratory Sample ID	Customer Sample ID		Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
247517-1	0606402-01	HL-(1-4)A	Solid	06/29/2006	13:27	07/06/2006	09:15
247517-2	0606402-02	HLN-(1-2)A	Solid	06/29/2006	13:35	07/06/2006	09:15
247517-3	0606402-03	MF-(1-2)A	Solid	06/29/2006	15:00	07/06/2006	09:15
247517-4	0606402-07	BR1-(1-3)A	Solid	06/29/2006	16:00	07/06/2006	09:15
247517-5	0606402-08	BR1-(1-3)B	Solid	06/29/2006	16:00	07/06/2006	09:15

HL-(1-4)A

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LABORATORY TEST RESULTS

Job Number: 247517

Date:07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN: Eric Lorge

Customer Sample ID: 0606402-01
Date Sampled.....: 06/29/2006
Time Sampled.....: 13:27
Sample Matrix.....: Solid

Laboratory Sample ID: 247517-1
Date Received.....: 07/06/2006
Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
8081A	Organochlorine Pesticide Analysis											
	4,4'-DDD, 3541 Solid*	ND	U	*	1.3	2.0	1.00000	ug/Kg	185513		07/13/06 1840	kd
	4,4'-DDE, 3541 Solid*	ND	U	*	1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1840	kd
	4,4'-DDT, 3541 Solid*	ND	U		1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1840	kd
	gamma-BHC (Lindane), 3541 Solid*	ND	U	*	1.2	2.0	1.00000	ug/Kg	185513		07/13/06 1840	kd
	Aldrin, 3541 Solid*	ND	U		1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1840	kd
	Chlordane, 3541 Solid*	ND	U		2.0	3.9	1.00000	ug/Kg	185513		07/13/06 1840	kd
	Dieldrin, 3541 Solid*	ND	U	*	1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1840	kd
	Endrin, 3541 Solid*	ND	U	*	1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1840	kd
	Heptachlor, 3541 Solid*	ND	U		1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1840	kd
	Toxaphene, 3541 Solid*	ND	U		13	20	1.00000	ug/Kg	185513		07/13/06 1840	kd
Method	% Solids Determination											
	% Solids, Solid	81.5			0.10	0.10	1	%	184985		07/07/06 1531	pf
	% Moisture, Solid	18.5			0.10	0.10	1	%	184985		07/07/06 1531	pf

* In Description = Dry Wgt.

HLN(1-2)A

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LABORATORY TEST RESULTS

Job Number: 247517

Date:07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN: Eric Lorge

Customer Sample ID: 0606402-02
Date Sampled.....: 06/29/2006
Time Sampled.....: 13:35
Sample Matrix.....: Solid

Laboratory Sample ID: 247517-2
Date Received.....: 07/06/2006
Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
8081A	Organochlorine Pesticide Analysis											
	4,4'-DDD, 3541 Solid*	ND	U	*	1.3	2.0	1.00000	ug/Kg	185513		07/13/06 1905	kd
	4,4'-DDE, 3541 Solid*	ND	U	*	1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1905	kd
	4,4'-DDT, 3541 Solid*	ND	U		1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1905	kd
	gamma-BHC (Lindane), 3541 Solid*	ND	U	*	1.2	2.0	1.00000	ug/Kg	185513		07/13/06 1905	kd
	Aldrin, 3541 Solid*	ND	U		1.0	2.0	1.00000	ug/Kg	185513		07/13/06 1905	kd
	Chlordane, 3541 Solid*	ND	U		2.0	3.9	1.00000	ug/Kg	185513		07/13/06 1905	kd
	Dieldrin, 3541 Solid*	ND	U	*	1.0	2.0	1.00000	ug/Kg	185513		07/13/06 1905	kd
	Endrin, 3541 Solid*	ND	U	*	1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1905	kd
	Heptachlor, 3541 Solid*	ND	U		1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1905	kd
	Toxaphene, 3541 Solid*	ND	U		13	20	1.00000	ug/Kg	185513		07/13/06 1905	kd
Method	% Solids Determination											
	% Solids, Solid	80.8			0.10	0.10	1	%	184985		07/07/06 1532	pf
	% Moisture, Solid	19.2			0.10	0.10	1	%	184985		07/07/06 1532	pf

* In Description = Dry Wgt.

MF (1-2)A

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LABORATORY TEST RESULTS

Job Number: 247517

Date:07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN: Eric Large

Customer Sample ID: 0606402-03
Date Sampled.....: 06/29/2006
Time Sampled.....: 15:00
Sample Matrix.....: Solid

Laboratory Sample ID: 247517-3
Date Received.....: 07/06/2006
Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
8081A	Organochlorine Pesticide Analysis											
	4,4'-DDD, 3541 Solid*	ND	U	*	1.3	2.0	1.00000	ug/Kg	185513		07/13/06 1930	kd
	4,4'-DDE, 3541 Solid*	ND	U	*	1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1930	kd
	4,4'-DDT, 3541 Solid*	ND	U		1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1930	kd
	gamma-BHC (Lindane), 3541 Solid*	ND	U	*	1.2	2.0	1.00000	ug/Kg	185513		07/13/06 1930	kd
	Aldrin, 3541 Solid*	ND	U		1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1930	kd
	Chlordane, 3541 Solid*	ND	U		2.0	3.9	1.00000	ug/Kg	185513		07/13/06 1930	kd
	Dieldrin, 3541 Solid*	ND	U	*	1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1930	kd
	Endrin, 3541 Solid*	ND	U	*	1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1930	kd
	Heptachlor, 3541 Solid*	ND	U		1.1	2.0	1.00000	ug/Kg	185513		07/13/06 1930	kd
	Toxaphene, 3541 Solid*	ND	U		13	20	1.00000	ug/Kg	185513		07/13/06 1930	kd
Method	% Solids Determination											
	% Solids, Solid	83.6			0.10	0.10	1	%	184985		07/07/06 1533	pf
	% Moisture, Solid	16.4			0.10	0.10	1	%	184985		07/07/06 1533	pf

* In Description = Dry Wgt.

BRI (1-3)A

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LABORATORY TEST RESULTS

Job Number: 247517

Date: 07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN: Eric Lorge

Customer Sample ID: 0606402-07
Date Sampled.....: 06/29/2006
Time Sampled.....: 16:00
Sample Matrix.....: Solid

Laboratory Sample ID: 247517-4
Date Received.....: 07/06/2006
Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
8081A	Organochlorine Pesticide Analysis											
	4,4'-DDE, 3541 Solid*	ND	U	*	2.6	4.8	1.00000	ug/Kg	185513		07/13/06 1955	kd
	4,4'-DDT, 3541 Solid*	ND	U		2.6	4.8	1.00000	ug/Kg	185513		07/13/06 1955	kd
	Aldrin, 3541 Solid*	ND	U		2.5	4.8	1.00000	ug/Kg	185513		07/13/06 1955	kd
	Chlordane, 3541 Solid*	ND	U		4.8	9.2	1.00000	ug/Kg	185513		07/13/06 1955	kd
	Endrin, 3541 Solid*	ND	U	*	2.7	4.8	1.00000	ug/Kg	185513		07/13/06 1955	kd
Method	% Solids Determination											
	% Solids, Solid	34.0			0.10	0.10	1	%	184985		07/07/06 1534	pfl
	% Moisture, Solid	66.0			0.10	0.10	1	%	184985		07/07/06 1534	pfl
Lloyd Kahn	Total Organic Carbon (Soils)											
	TOC Average Duplicates, Solid	40000			670	2900	1	mg/Kg	185103		07/10/06 1111	cl:

* In Description = Dry Wgt.

BR1(1-5)5

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LABORATORY TEST RESULTS

Job Number: 247517

Date:07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN: Eric Lorge

Customer Sample ID: 0606402-08
Date Sampled.....: 06/29/2006
Time Sampled.....: 16:00
Sample Matrix.....: Solid

Laboratory Sample ID: 247517-5
Date Received.....: 07/06/2006
Time Received.....: 09:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TE
8081A	Organochlorine Pesticide Analysis											
	4,4'-DDE, 3541 Solid*	ND	U	*	2.6	4.7	1.00000	ug/Kg	185513		07/13/06 2045	kd
	4,4'-DDT, 3541 Solid*	ND	U		2.6	4.7	1.00000	ug/Kg	185513		07/13/06 2045	kd
	Aldrin, 3541 Solid*	ND	U		2.5	4.7	1.00000	ug/Kg	185513		07/13/06 2045	kd
	Chlordane, 3541 Solid*	ND	U		4.7	9.2	1.00000	ug/Kg	185513		07/13/06 2045	kd
	Endrin, 3541 Solid*	ND	U	*	2.6	4.7	1.00000	ug/Kg	185513		07/13/06 2045	kd
Method	% Solids Determination											
	% Solids, Solid	35.0			0.10	0.10	1	%	184985		07/07/06 1535	pf
	% Moisture, Solid	65.0			0.10	0.10	1	%	184985		07/07/06 1535	pf
Lloyd Kahn	Total Organic Carbon (Soils)											
	TOC Average Duplicates, Solid	61000			1300	5600	1	mg/Kg	185103		07/10/06 1145	cl:

* In Description = Dry Wgt.

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LABORATORY CHRONICLE

Job Number: 247517 Date: 07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN: Eric Lorge

Lab ID: 247517-1 Client ID: 0606402-01 Date Recvd: 07/06/2006 Sample Date: 06/29/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	184985	184985	07/07/2006	1531	
3541	Extraction Soxhlet (Chlor.Pest)	1	185224		07/11/2006	1600	
8081A	Organochlorine Pesticide Analysis	1	185513	185224	07/13/2006	1840	1.00000

Lab ID: 247517-2 Client ID: 0606402-02 Date Recvd: 07/06/2006 Sample Date: 06/29/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	184985	184985	07/07/2006	1532	
3541	Extraction Soxhlet (Chlor.Pest)	1	185224		07/11/2006	1600	
8081A	Organochlorine Pesticide Analysis	1	185513	185224	07/13/2006	1905	1.00000

Lab ID: 247517-3 Client ID: 0606402-03 Date Recvd: 07/06/2006 Sample Date: 06/29/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	184985	184985	07/07/2006	1533	
3541	Extraction Soxhlet (Chlor.Pest)	1	185224		07/11/2006	1600	
8081A	Organochlorine Pesticide Analysis	1	185513	185224	07/13/2006	1930	1.00000

Lab ID: 247517-4 Client ID: 0606402-07 Date Recvd: 07/06/2006 Sample Date: 06/29/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	184985	184985	07/07/2006	1534	
3541	Extraction Soxhlet (Chlor.Pest)	1	185224		07/11/2006	1600	
8081A	Organochlorine Pesticide Analysis	1	185513	185224	07/13/2006	1955	1.00000
Lloyd Kahn	Total Organic Carbon (Soils)	1	185103	185103	07/10/2006	1111	

Lab ID: 247517-5 Client ID: 0606402-08 Date Recvd: 07/06/2006 Sample Date: 06/29/2006

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
Method	% Solids Determination	1	184985	184985	07/07/2006	1535	
3541	Extraction Soxhlet (Chlor.Pest)	1	185224		07/11/2006	1600	
8081A	Organochlorine Pesticide Analysis	1	185513	185224	07/13/2006	2045	1.00000
Lloyd Kahn	Total Organic Carbon (Soils)	1	185103	185103	07/10/2006	1145	

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S U R R O G A T E R E C O V E R I E S R E P O R T

Job Number.: 247517

Report Date.: 07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN: Eric Lorge

Method.....: Organochlorine Pesticide Analysis
Method Code...: 8081

Test Matrix...: 3541 Solid
Batch(s).....: 185513

Prep Batch..: 185224

Lab ID	DT	Sample ID	Date	DCB	TCX
LCS			07/13/2006	82	52
MB			07/13/2006	101	84
247517- 1		0606402-01	07/13/2006	78	64
247517- 2		0606402-02	07/13/2006	84	67
247517- 3		0606402-03	07/13/2006	85	71
247517- 4		0606402-07	07/13/2006	87	72
247517- 5		0606402-08	07/13/2006	80	69

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	20 - 152
TCX	Tetrachloro-m-xylene (surr)	30 - 124

QUALITY CONTROL RESULTS

Job Number.: 247517

Report Date.: 07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN: Eric Large

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8081A
Method Description.: Organochlorine Pesticide Analysis
Equipment Code....: INST1516
Batch.....: 185513
Analyst...: kdl

LCS	Laboratory Control Sample	06FWLCPFA	185224-002		07/13/2006	1616

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
gamma-BHC (Lindane), 3541 Solid	ug/Kg	16.277		13.330	0.980	U 122	%	37-121	*
Heptachlor, 3541 Solid	ug/Kg	15.187		13.330	0.910	U 114	%	33-124	
Aldrin, 3541 Solid	ug/Kg	15.543		13.330	0.890	U 117	%	35-120	
Dieldrin, 3541 Solid	ug/Kg	18.493		13.330	0.890	U 139	%	55-124	*
4,4'-DDE, 3541 Solid	ug/Kg	18.447		13.330	0.940	U 138	%	59-120	*
Endrin, 3541 Solid	ug/Kg	18.583		13.330	0.950	U 139	%	49-136	*
4,4'-DDD, 3541 Solid	ug/Kg	19.350		13.330	1.100	U 145	%	59-130	*
4,4'-DDT, 3541 Solid	ug/Kg	17.140		13.330	0.930	U 129	%	58-130	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 247517

Report Date.: 07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8081A
Method Description.: Organochlorine Pesticide Analysis

Equipment Code....: INST1516
Batch.....: 185513

Analyst...: kdl

MB	Method Blank		185224-001	-	07/13/2006	1751

Parameter/Test Description	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
gamma-BHC (Lindane), 3541 Solid	ug/Kg	0.980	U							
Heptachlor, 3541 Solid	ug/Kg	0.910	U							
Aldrin, 3541 Solid	ug/Kg	0.890	U							
Dieldrin, 3541 Solid	ug/Kg	0.890	U							
4,4'-DDE, 3541 Solid	ug/Kg	0.940	U							
Endrin, 3541 Solid	ug/Kg	0.950	U							
4,4'-DDD, 3541 Solid	ug/Kg	1.100	U							
4,4'-DDT, 3541 Solid	ug/Kg	0.930	U							
Toxaphene, 3541 Solid	ug/Kg	11.000	U							
Chlordane, 3541 Solid	ug/Kg	1.700	U							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 247517 Report Date.: 07/18/2006

CUSTOMER: Siemens Water Technologies Corp. PROJECT: 0606402 ATTN: Eric Lorge

Test Method.....: Method
Method Description.: % Solids Determination
Parameter.....: % Solids
Batch.....: 184985
Equipment Code.....:
Analyst....: pfk
Test Code.: %SOLID

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
MB	184985-001		%	0.1000	U								07/07/2006	1530

Test Method.....: Lloyd Kahn
Method Description.: Total Organic Carbon (Soils)
Parameter.....: Organic Carbon, Tot. (TOC)
Batch.....: 185103
Equipment Code.....: TOC4
Analyst....: cls
Test Code.: TOC

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
ICV	185103-002	I06FSTTC2	mg/Kg	1879.10			2000.00		94		%	85-115	07/10/2006	0838
MB	185103-003		mg/Kg	29.00	U								07/10/2006	0903
CCV	185103-011	I06FSTTC2	mg/Kg	1839.39			2000.00		92		%	85-115	07/10/2006	1257
CCB	185103-012		mg/Kg	29.00	U								07/10/2006	1305

Test Method.....: Lloyd Kahn
Method Description.: Total Organic Carbon (Soils)
Parameter.....: TOC Average Duplicates
Batch.....: 185103
Equipment Code.....: TOC4
Analyst....: cls
Test Code.: TOCAV2

QC	Lab ID	Reagent	Units	QC Result		QC Result	True Value	Orig. Value	QC Calc.	F	*	Limits	Date	Time
LCS	185103-004	I00FSTLK3	mg/Kg	3979.78			4780.00		83		%	53-140	07/10/2006	0936

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.
3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 100201
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviations (any number of which may appear in the report)

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the stated limit.
< Not detected at or above the reporting limit.
J Result is less than the RL, but greater than or equal to the method detection limit.
B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.
F AFCEE: Result is less than the RL, but greater than or equal to the method detection limit.

Inorganic Flags (Flag Column)

^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed the upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
H MB, EB1, EB2, EB3: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
W AS(GFAA) Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U Analyte was not detected at or above the stated limit.
ND Compound not detected.
J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q Result was qualitatively confirmed, but not quantified.
C Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.
F AFCEE:Result is an estimated value below the reporting limit or a tentatively identified compound (TIC)

Organic Flags (Flags Column)

B MB: Batch QC is greater than reporting limit.
* LCS, LCD, ELC, ELD, CV, MS, MSD, Surrogate: Batch QC exceeds the upper or lower control limits.
^ EB1, EB2, EB3, MLE: Batch QC is greater than reporting Limit
A Concentration exceeds the instrument calibration range
a Concentration is below the method Reporting Limit (RL)
B Compound was found in the blank and sample.
D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H Alternate peak selection upon analytical review
I Indicates the presence of an interference; recovery is not calculated.
M Manually integrated compound.
P The lower of the two values is reported when the % difference between the results of two GC columns is

greater than 25%.

Abbreviations

AS	Post Digestion Spike (GFAA Samples - See Note 1 below)
Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column CCB Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation analysis of original
C1	Confirmation analysis of A1 or D1
C2	Confirmation analysis of A2 or D2
C3	Confirmation analysis of A3 or D3
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
CV	Calilbration Verification Standard
Dil Fac	Dilution Factor - Secondary dilution analysis
D1	Dilution 1
D2	Dilution 2
D3	Dilution 3
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB1	Extraction Blank 1
EB2	Extraction Blank 2
EB3	DI Blank
ELC	Method Extracted LCS
ELD	Method Extracted LCD
ICAL	Initial calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A - ICAP
ISB	Interference Check Sample B - ICAP
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
	Lab ID An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PDS	Post Digestion Spike (ICAP)
RA	Re-analysis of original
A1	Re-analysis of D1
A2	Re-analysis of D2
A3	Re-analysis of D3
RD	Re-extraction of dilution
RE	Re-extraction of original
RC	Re-extraction Confirmation
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RT	Retention Time

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/18/2006

RTW	Retention Time Window Sample ID A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution (Calculated when sample concentration exceeds 50 times the MDL)
UCB	Unseeded Control Blank
SSV	Second Source Verification Standard
SLCS	Solid Laboratory Control Standard(LCS)
PHC	pH Calibration Check LCSP pH Laboratory Control Sample
LCDP	pH Laboratory Control Sample Duplicate
MDPH	pH Sample Duplicate
MDFP	Flashpoint Sample Duplicate
LCFP	Flashpoint LCS
G1	Gelex Check Standard Range 0-1
G2	Gelex Check Standard Range 1-10
G3	Gelex Check Standard Range 10-100
G4	Gelex Check Standard Range 100-1000

Note 1: The Post Spike Designation on Batch QC for GFAA is designated with an "$" added to the current abbreviation used. EX. LCS $=LCS Post Spike (GFAA); MSS=MS Post Spike (GFAA)

Note 2: The MD calculates an absolute difference (A) when the sample concentration is less than 5 times the reporting Limit. The control limit is represented as +/- the RL.

SUBCONTRACT ORDER

USFilter Enviroscan Services

0606402

247517

SENDING LABORATORY:

USFilter Enviroscan Services
301 West Military Road
Rothschild, WI 54474
Phone: 715-359-7226
Fax: 715-355-3221
Project Manager: Eric Lorge

RECEIVING LABORATORY:

STL-Chicago
2417 Bond Street
University Park, IL 60466
Phone :(708) 534-5200
Fax: (708) 534-5211

Analysis	Due	Expires	Sample ID	Comments
1 **Sample ID: 0606402-01**	**Solid**	**Sampled:06/29/06 13:27**	***HL (1-4) A***	
Pesticides Sub (S) EPA 8081 *Containers Supplied:* 09_Glass unpreserved (B)	07/17/06 00:00	07/06/06 13:27		
2 **Sample ID: 0606402-02**	**Solid**	**Sampled:06/29/06 13:35**	***HLN (1-2) A***	
Pesticides Sub (S) EPA 8081 *Containers Supplied:* 09_Glass unpreserved (B)	07/17/06 00:00	07/06/06 13:35		
3 **Sample ID: 0606402-03**	**Solid**	**Sampled:06/29/06 15:00**	***MF (1-2) A***	
Pesticides Sub (S) EPA 8081 *Containers Supplied:* 09_Glass unpreserved (B)	07/17/06 00:00	07/06/06 15:00		
4 **Sample ID: 0606402-07**	**Solid**	**Sampled:06/29/06 16:00**	***BRI (1-3) A***	
Pesticides Sub (S) EPA 8081 TOC Sub (S) *Containers Supplied:* 09_Glass unpreserved (A)	07/17/06 00:00 07/17/06 00:00	07/06/06 16:00 07/06/06 16:00		

Released By | Date | Time | Received By | Date 7/6/06 | Time 0915

C YES / NO / NA

Temperature | Received On Ice | Comment

SUBCONTRACT ORDER

USFilter Enviroscan Services

0606402

247517

Analysis	Due	Expires	Sample ID	Comments
5 **Sample ID: 0606402-08**	**Solid**	**Sampled:06/29/06 16:00**	***BRI (1-3) B***	
Pesticides Sub (S) EPA 8081	07/17/06 00:00	07/06/06 16:00		
TOC Sub (S)	07/17/06 00:00	07/06/06 16:00		
Containers Supplied:				
09 Glass unpreserved (A)				

Released By	Date	Time	Received By	Date	Time
			JLt	7/6/06	0915

C YES / NO / NA

Temperature Received On Ice Comment

G-2

Arsenic, Copper, Lead, and Zinc

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July 26, 2006

Foth & Van Dyke Engineers (Green Bay)
2737 Ridge Road
Green Bay, WI 54307

Attn: Steve Dischler

REPORT NO.: 0606402 **PROJECT NO.: 06D006**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received June 30, 2006.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

James Salkowski
Lab Director

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropiate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by:

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

ACCREDITED IN ACCORDANCE WITH nelac

The total number of pages in this report, including this page is 13.

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SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
0606402-01	HL (1-4) A	06/29/06 13:27	Soil
0606402-02	HLN (1-2) A	06/29/06 13:35	Soil
0606402-03	MF (1-2) A	06/29/06 15:00	Soil
0606402-04	HL (1-4) B	06/29/06 13:20	Soil
0606402-05	HLN (1-2) B	06/29/06 13:45	Soil
0606402-06	MF (1-2) B	06/29/06 14:20	Soil
0606402-07	BRI (1-3) A	06/29/06 16:00	Solid
0606402-08	BRI (1-3) B	06/29/06 16:00	Solid

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Attn: Steve Dischler

PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **HL (1-4) A** Matrix: **Soil** Sample Date/Time: **06/29/06 13:27** Lab No. **0606402-01**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	81.1	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 160.4								
Total Volatile Solids @ 550 C	3.95	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 3050B								
ICP Solid Metal Prep	0.00	N/A			1		07/11/06	DJB
EPA 6010B - Total								
Total Arsenic	4.96	mg/kg dry	0.411	2.06	1		07/12/06	DJB
Total Copper	10.6	mg/kg dry	0.164	2.06	1		07/12/06	DJB
Total Lead	11.7	mg/kg dry	0.657	2.17	1		07/12/06	DJB
Total Zinc	51.4	mg/kg dry	0.206	2.06	1		07/12/06	DJB

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PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **HLN (1-2) A** Matrix: **Soil** Sample Date/Time: **06/29/06 13:35** Lab No. **0606402-02**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	80.5	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 160.4								
Total Volatile Solids @ 550 C	3.72	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 3050B								
ICP Solid Metal Prep	0.00	N/A			1		07/11/06	DJB
EPA 6010B - Total								
Total Arsenic	5.96	mg/kg dry	0.414	2.07	1		07/12/06	DJB
Total Copper	11.7	mg/kg dry	0.165	2.07	1		07/12/06	DJB
Total Lead	10.7	mg/kg dry	0.662	2.19	1		07/12/06	DJB
Total Zinc	50.7	mg/kg dry	0.207	2.07	1		07/12/06	DJB

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PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **MF (1-2) A** Matrix: **Soil** Sample Date/Time: **06/29/06 15:00** Lab No. **0606402-03**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	71.2	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 160.4								
Total Volatile Solids @ 550 C	2.88	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 3050B								
ICP Solid Metal Prep	0.00	N/A			1		07/11/06	DJB
EPA 6010B - Total								
Total Arsenic	5.57	mg/kg dry	0.468	2.35	1		07/12/06	DJB
Total Copper	9.22	mg/kg dry	0.187	2.35	1		07/12/06	DJB
Total Lead	12.8	mg/kg dry	0.749	2.47	1		07/12/06	DJB
Total Zinc	46.0	mg/kg dry	0.235	2.35	1		07/12/06	DJB

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PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **HL (1-4) B** Matrix: **Soil** Sample Date/Time: **06/29/06 13:20** Lab No. **0606402-04**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	83.9	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 160.4								
Total Volatile Solids @ 550 C	2.65	% by Weight	0.03	0.03	1		07/05/06	AMR

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PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **HLN (1-2) B** Matrix: **Soil** Sample Date/Time: **06/29/06 13:45** Lab No. **0606402-05**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	79.9	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 160.4								
Total Volatile Solids @ 550 C	2.60	% by Weight	0.03	0.03	1		07/05/06	AMR

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PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **MF (1-2) B** Matrix: **Soil** Sample Date/Time: **06/29/06 14:20** Lab No. **0606402-06**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	80.9	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 160.4								
Total Volatile Solids @ 550 C	2.46	% by Weight	0.03	0.03	1		07/05/06	AMR

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PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **BRI (1-3) A** Matrix: **Solid** Sample Date/Time: **06/29/06 16:00** Lab No. **0606402-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	34.1	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 3050B								
ICP Solid Metal Prep	Completed	N/A			1		07/11/06	DJB
EPA 350.2								
Total Ammonia as N	747	mg/kg dry	16.4	16.4	1		07/05/06	GAG
EPA 351.2								
Total Kjeldahl Nitrogen	10300	mg/kg dry	176	587	1		07/10/06	GAG
EPA 365.4								
Total Phosphorus	988	mg/kg dry	10.0	33.3	0.5		07/07/06	GAG
EPA 6010B - Total								
Total Arsenic	4.90	mg/kg dry	0.977	4.90	1		07/12/06	DJB
Total Cadmium	ND	mg/kg dry	0.166	4.90	1		07/12/06	DJB
Total Chromium	22.6	mg/kg dry	0.156	4.90	1		07/12/06	DJB
Total Copper	20.3	mg/kg dry	0.390	4.90	1		07/12/06	DJB
Total Lead	19.4	mg/kg dry	1.56	5.16	1		07/12/06	DJB
Total Nickel	13.1	mg/kg dry	0.293	4.90	1		07/12/06	DJB
Total Zinc	76.9	mg/kg dry	0.490	4.90	1		07/12/06	DJB
EPA 7471A - Total								
Total Mercury	0.442	mg/kg dry	0.059	0.198	0.717		07/03/06	JCH
EPA 8310								
Prep Method: Method 3550B Ultrasonic Extraction	*By: KAM*					*Date Prepared:*	*07/06/06*	
1-Methylnaphthalene	ND	mg/kg dry	0.0543	0.176	5		07/17/06	LMP
2-Methylnaphthalene	ND	mg/kg dry	0.0601	0.205	5		07/17/06	LMP
Acenaphthene	ND	mg/kg dry	0.0689	0.235	5		07/17/06	LMP
Acenaphthylene	ND	mg/kg dry	0.0968	0.323	5		07/17/06	LMP
Anthracene	ND	mg/kg dry	0.0469	0.157	5		07/17/06	LMP
Benzo(a)anthracene	0.174	mg/kg dry	0.0601	0.205	5	J	07/17/06	LMP
Benzo(a)pyrene	0.304	mg/kg dry	0.0337	0.113	5		07/17/06	LMP
Benzo(b)fluoranthene	0.318	mg/kg dry	0.0308	0.103	5		07/17/06	LMP
Benzo(g,h,i)perylene	0.279	mg/kg dry	0.0587	0.191	5		07/17/06	LMP

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2737 Ridge Road
Green Bay, WI 54307

Attn: Steve Dischler

PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **BRI (1-3) A** Matrix: **Solid** Sample Date/Time: **06/29/06 16:00** Lab No. **0606402-07**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8310 Continued								
Prep Method: Method 3550B Ultrasonic Extraction	*By: KAM*					*Date Prepared:*	*07/06/06*	
Benzo(k)fluoranthene	ND	mg/kg dry	0.0425	0.142	5		07/17/06	LMP
Chrysene	0.311	mg/kg dry	0.0337	0.113	5		07/17/06	LMP
Dibenzo(a,h)anthracene	ND	mg/kg dry	0.0396	0.132	5		07/17/06	LMP
Fluoranthene	0.861	mg/kg dry	0.0381	0.128	5		07/17/06	LMP
Fluorene	ND	mg/kg dry	0.0484	0.161	5		07/17/06	LMP
Indeno(1,2,3-cd)pyrene	0.182	mg/kg dry	0.0323	0.107	5		07/17/06	LMP
Naphthalene	ND	mg/kg dry	0.0674	0.220	5		07/17/06	LMP
Phenanthrene	0.320	mg/kg dry	0.0601	0.196	5		07/17/06	LMP
Pyrene	0.269	mg/kg dry	0.0413	0.138	5		07/17/06	LMP
EPA 9056 - Total								
Total Nitrate as N	4.69	mg/kg dry	2.93	9.77	1	J	07/01/06	BMS
Total Nitrite as N	ND	mg/kg dry	1.00	3.33	1		07/01/06	BMS
SM 4500PF								
Water Extractable Phosphorus	0.71	% by Weight			1		07/14/06	GAG

USFilter
A Siemens Business

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.enviroscan.usfilter.com

Foth & Van Dyke Engineers (Green Bay)
2737 Ridge Road
Green Bay, WI 54307

Attn: Steve Dischler

PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **BRI (1-3) B** Matrix: **Solid** Sample Date/Time: **06/29/06 16:00** Lab No. **0606402-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 160.3								
Total Solids	36.2	% by Weight	0.03	0.03	1		07/05/06	AMR
EPA 3050B								
ICP Solid Metal Prep	Completed	N/A			1		07/11/06	DJB
EPA 350.2								
Total Ammonia as N	952	mg/kg dry	15.5	15.5	1		07/05/06	GAG
EPA 351.2								
Total Kjeldahl Nitrogen	17700	mg/kg dry	166	552	1		07/10/06	GAG
EPA 365.4								
Total Phosphorus	772	mg/kg dry	10.0	33.3	0.5		07/07/06	GAG
EPA 6010B - Total								
Total Arsenic	2.94	mg/kg dry	0.920	4.61	1	J	07/12/06	DJB
Total Cadmium	ND	mg/kg dry	0.156	4.61	1		07/12/06	DJB
Total Chromium	14.0	mg/kg dry	0.147	4.61	1		07/12/06	DJB
Total Copper	19.7	mg/kg dry	0.367	4.61	1		07/12/06	DJB
Total Lead	27.2	mg/kg dry	1.47	4.86	1		07/12/06	DJB
Total Nickel	7.76	mg/kg dry	0.276	4.61	1		07/12/06	DJB
Total Zinc	82.9	mg/kg dry	0.461	4.61	1		07/12/06	DJB
EPA 7471A - Total								
Total Mercury	0.413	mg/kg dry	0.056	0.186	0.718		07/03/06	JCH
EPA 8310								
Prep Method: Method 3550B Ultrasonic Extraction	*By: KAM*					*Date Prepared:*	*07/06/06*	
1-Methylnaphthalene	ND	mg/kg dry	0.0102	0.0331	0.999		07/14/06	LMP
2-Methylnaphthalene	ND	mg/kg dry	0.0113	0.0387	0.999		07/14/06	LMP
Acenaphthene	ND	mg/kg dry	0.0130	0.0442	0.999		07/14/06	LMP
Acenaphthylene	ND	mg/kg dry	0.0182	0.0608	0.999		07/14/06	LMP
Anthracene	ND	mg/kg dry	0.0088	0.0296	0.999		07/14/06	LMP
Benzo(a)anthracene	0.0294	mg/kg dry	0.0113	0.0387	0.999	J	07/14/06	LMP
Benzo(a)pyrene	0.0554	mg/kg dry	0.0064	0.0213	0.999		07/14/06	LMP
Benzo(b)fluoranthene	ND	mg/kg dry	0.0058	0.0193	0.999		07/14/06	LMP
Benzo(g,h,i)perylene	0.0510	mg/kg dry	0.0110	0.0359	0.999		07/14/06	LMP

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Foth & Van Dyke Engineers (Green Bay)
2737 Ridge Road
Green Bay, WI 54307

Attn: Steve Dischler

PROJECT NO. : 06D006
REPORT NO. : 0606402
DATE REC'D : 06/30/06 13:22
REPORT DATE : 07/26/06 13:32
PREPARED BY : JRS

Sample ID: **BRI (1-3) B** Matrix: **Solid** Sample Date/Time: **06/29/06 16:00** Lab No. **0606402-08**

	Results	Units	LOD	LOQ	Dilution Factor	Qualifiers	Date Analyzed	Analyst
EPA 8310 Continued								
Prep Method: Method 3550B Ultrasonic Extraction	*By: KAM*					*Date Prepared:*	*07/06/06*	
Benzo(k)fluoranthene	0.0322	mg/kg dry	0.0080	0.0268	0.999		07/14/06	LMP
Chrysene	ND	mg/kg dry	0.0064	0.0213	0.999		07/14/06	LMP
Dibenzo(a,h)anthracene	ND	mg/kg dry	0.0075	0.0249	0.999		07/14/06	LMP
Fluoranthene	0.180	mg/kg dry	0.0072	0.0240	0.999		07/14/06	LMP
Fluorene	ND	mg/kg dry	0.0091	0.0304	0.999		07/14/06	LMP
Indeno(1,2,3-cd)pyrene	ND	mg/kg dry	0.0061	0.0202	0.999		07/14/06	LMP
Naphthalene	ND	mg/kg dry	0.0127	0.0414	0.999		07/14/06	LMP
Phenanthrene	0.0456	mg/kg dry	0.0113	0.0370	0.999		07/14/06	LMP
Pyrene	0.129	mg/kg dry	0.0078	0.0259	0.999		07/14/06	LMP
EPA 9056 - Total								
Total Nitrate as N	ND	mg/kg dry	2.76	9.20	1		07/01/06	BMS
Total Nitrite as N	ND	mg/kg dry	1.00	3.33	1		07/01/06	BMS
SM 4500PF								
Water Extractable Phosphorus	1.86	% by Weight			1		07/14/06	GAG

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301 WEST MILITARY ROAD
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Qualifer Descriptions

J	Estimated concentration below laboratory quantitation level.
COMP	Completed

Definitions

LOD = Limit of Detection (Dilution Corrected)
LOQ = Limit of Quanitation (Dilution Corrected)
ND = Not Detected
COMP = Complete
SUBCON = Subcontracted analysis
mv = millivolts
pci/L = picocurie per Liter
mL/L = milliliters/Liter
mg = milligram

When the word "dry" follows the units on the result page the sample results are dry weight corrected.

LODs and LOQs are dry weight corrected for all soils except methanol and methylene chloride preserved soils.

ug/l = Microgram per Liter = parts per billion (ppb)
ug/kg = Microgram per kilogram = parts per billion (ppb)
mg/l = Millgram per liter parts per million (ppm)
mg/kg = Millgram per kilogram parts per million (ppm)
NOT PRES = Not Present
ppth = Parts per thousand
* = Result outside established limits.
mg/m3 = Milligrams/ meter cubed
ng/L = Nanograms per Liter = Parts per trillion(ppt)
> = Greater Than

G-3

Elutriate Test Results (Dissolved)

MASTER FILE COPY
Classification
SA-02

SEVERN TRENT STL

STL Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Tel: 412 963 7058 Fax: 412 963 2468
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. FOTH & VAN DYKE

Foth&VanDyke Lake Nagawicka

Lot #: C6F300231

Ron Meister

Foth & Van Dyke and Associates

SEVERN TRENT LABORATORIES, INC.

Carrie L. Gamber
Project Manager

July 27, 2006

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

NELAC REPORTING:

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State Program	Certificate #	Program Types	STL Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW HW	X X
California – nelac	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – nelac	(#E87660)	WW HW	X X
Illinois – nelac	(#200005)	WW HW	X X
Kansas – nelac	(#E-10350)	WW HW	X X
Louisiana – nelac	(#93200)	WW HW	X X
New Hampshire – nelac	(#203002)	WW –	X –
New Jersey – nelac	(PA-005)	WW HW	X X
New York – nelac	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Ohio Vap	(#CL0063)	WW HW	X X
Pennsylvania - nelac	(#02-00416)	WW HW	X X
South Carolina	(#89014001)	WW HW	X X
Utah – nelac	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 04/27/06

CASE NARRATIVE
Foth & Van Dyke and Associates

STL Lot # C6F300231

Sample Receiving:
STL Pittsburgh received samples for analysis on June 30, 2006. The coolers were received within the proper temperature range.

NOTE: The data contained in this report is the Modified Elutriate dissolved results.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Semivolatiles SIM:
There were no problems associated with the analysis.

Pesticides:
The reporting limits were adjusted according to the amount of sample extracted.

All compounds <20% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

Metals:
There were no problems associated with the analysis.

General Chemistry:
STL North Canton, Ohio performed the TKN and the phosphorus analyses. All data is included in the package.

Sample EW-1/ES-1 was analyzed at a dilution for TOC and ammonia.

The method blanks had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

The matrix spike and matrix spike duplicate had the ammonia spike diluted out.

METHODS SUMMARY

C6F300231

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH Aqueous	SW846 9040B	ACOE ELUTRIATE
Biochemical Oxygen Demand	MCAWW 405.1	ACOE ACOE ELUTR
Dissolved Organic Carbon	MCAWW 415.1	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	ACOE ACOE ELUTR
Nitrate-Nitrite	MCAWW 353.2	ACOE ELUTRIATE-
Nitrogen, Ammonia	MCAWW 350.1	Elutriate
Non-Filterable Residue (TSS)	MCAWW 160.2	ACOE Elutriate
Organochlorine Pesticides	SW846 8081A	Elutriate
Phosphorus, All Forms (Automated, colormetric)	MCAWW 365.1	
Total Kjeldahl Nitrogen	MCAWW 351.3	Elutriate
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	ACOE ACOE ELUTR
8270C (SIM)	SW846 8270C SIM	Elutriate

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

C6F300231

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H8JW2	001	EW-1/ES-1	06/29/06	12:00

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.

C6F300231

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

Client: City of Delafield - Foth & VanDyke	Project Manager: Steve Dischler	Date: 6/29/06	Chain of Custody Number: 315447
Address: 2737 S. Ridge Rd	Telephone Number (Area Code)/Fax Number: 920/497/2500	Lab Number:	Page 1 of 1
City: Green Bay; State: WI; Zip Code: 54307	Site Contact: Tom Hafner	Lab Contact: Carrie Gambes	
Project Name and Location (State): Naguwicka Lake Restoration, Delafield, WI	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): See Attached	Special Instructions/ Conditions of Receipt
EW-1	6/28/06	12:00		X			X						X	See Attached
ES-1	6/29/06	12:00			X		X						X	"

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 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other None Specified

QC Requirements (Specify):

1. Relinquished By: Dana Konkel	Date: 6/29/06	Time: 16:30	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By: Patrick R Faust	Date: 6/30/06	Time: 0945
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

9

(1-94)

Cooler Receipt Form
STL Pittsburgh

Client: Forth & Van Dyke Project: _____ Quote: 71226

Cooler Rec'd & Opened for Temp. Check on: 6/30/06

Coolers Opened and Unpacked on: 6/30/06 By: PRF (Signature)

STL Pittsburgh Lot Number: C6F300231

		Yes	No
1.	Were custody seals on the outside of the cooler?	✓	
	If YES, how many and where? Quantity 1 Location front		
	Were signatures and date correct?	✓	
2.	Were custody papers included inside the cooler?	✓	
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓	
4.	Did you sign the custody papers in the appropriate place?	✓	
5.	Was shippers packing slip attached to this form?	✓	
6.	Were packing materials used?	✓	
	If YES, what type? Bubble Wrap		
7.	Were the samples chilled? (Record temperatures on reverse side.)	✓	
8.	Were the samples appropriately preserved?	N/A	
9.	Were all bottles sealed in separate plastic bags?		✓
10.	Did all bottles arrive in good condition (unbroken)?	✓	
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓	
12.	Did all bottle labels and/or tags agree with custody papers?	✓	
13.	Were correct bottles used for tests indicated?	✓	
14.	Were all VOA vials checked for the presence of air bubbles?	N/A	
15.	Was a sufficient amount of sample sent in each bottle?	✓	

16. Samples received by: FEDEX UPS CLIENT DROP-OFF OTHER DHL

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Cooler Receipt Form

STL Pittsburgh

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hrdnss PH<2	Cl_2 RES		

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

Cooler Number	Temperature*	Thermometer
1	2.1°	7
2	3.7°	8
3	2.3°	7

*Acceptable Temperature Range: 4°C ± 2°C

Sample	Lot Number**

**Please use an asterisk if bottle lot number was covered by the label

DHL EXPRESS

FROM: SHIPPING DEPARTMENT
FOTH & VAN DYKE
2737 S. RIDGE ROAD
GREEN BAY, WI 54304
920-497-2500

WEIGHT(Lbs)
54

PIECES
1

TO: ANTHONY LEE
SEVERN TRENT LABORATORIES

301 ALPHA DRIVE

PITTSBURG, PA 15238
Ref: 06D006PIIDTSK31 TMK1
Phone: 920-497-2500

ZIPCODE
15238

ORIGIN SHIPMENT NO SHIP DATE
ATW 16811224651 2006-06-29
DESCRIPTION:

Worldwide EXPRESS.

SERVICE
EXP
DTP 9Z

SPECIAL HANDLING SERVICES

16811224651

DHL EXPRESS

FROM: SHIPPING DEPARTMENT
FOTH & VAN DYKE
2737 S. RIDGE ROAD
GREEN BAY, WI 54304
920-497-2500

WEIGHT(Lbs)
58

PIECES
1

TO: ANTHONY LEE
SEVERN TRENT LABORATORIES

301 ALPHA DRIVE

PITTSBURG, PA 15238
Ref: 06D006PIIJTSK31 TMK1
Phone: 920-497-2500

ZIPCODE
15238

ORIGIN SHIPMENT NO SHIP DATE
ATW 16811143856 2006-06-29
DESCRIPTION:

Worldwide EXPRESS

SERVICE
EXP
DTP 9Z

SPECIAL HANDLING SERVICES

16811143856

DHL EXPRESS

FROM: SHIPPING DEPARTMENT
FOTH & VAN DYKE
2737 S. RIDGE ROAD
GREEN BAY, WI 54304
920-497-2500

WEIGHT(Lbs)
45

PIECES
1

TO: ANTHONY LEE
SEVERN TRENT LABORATORIES

301 ALPHA DRIVE

PITTSBURG, PA 15238
Ref: 06D006PIIJTSK31 TMK1
Phone: 920-497-2500

ZIPCODE
15238

ORIGIN SHIPMENT NO SHIP DATE
ATW 16811191655 2006-06-29
DESCRIPTION:

Worldwide EXPRESS

SERVICE
EXP
DTP 9Z

SPECIAL HANDLING SERVICES

16811191655

DATA SUMMARY PACKAGE

SIM
GC/MS SEMIVOLATILE SUMMARY

Foth & Van Dyke and Associates

Client Sample ID: EW-1/ES-1

Dissolved GC/MS Semivolatiles

Lot-Sample #...:	C6F300231-001	Work Order #...:	H8JW21AC	Matrix.....:	SOLID
Date Sampled...:	06/29/06 12:00	Date Received..:	06/30/06 09:45	MS Run #.....:	
Leach Date.....:	07/12/06	Prep Date.....:	07/14/06	Analysis Date..:	07/20/06
Leach Batch #..:	P619305	Prep Batch #...:	6195180	Analysis Time..:	17:16
Dilution Factor:	1	Initial Wgt/Vol:	1000 mL	Final Wgt/Vol..:	1 mL
% Moisture.....:		Analyst ID.....:	003200	Instrument ID..:	MSD7
		Method.....:	SW846 8270C SIM		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	**0.11 J**	**0.20**	**ug/L**	**0.038**
Acenaphthylene	ND	0.20	ug/L	0.035
Anthracene	ND	0.20	ug/L	0.025
Benzo(a)anthracene	**0.028 J**	**0.20**	**ug/L**	**0.022**
Benzo(b)fluoranthene	ND	0.20	ug/L	0.025
Benzo(k)fluoranthene	**0.026 J**	**0.20**	**ug/L**	**0.020**
Benzo(a)pyrene	ND	0.20	ug/L	0.025
Benzo(ghi)perylene	ND	0.20	ug/L	0.030
Chrysene	**0.036 J**	**0.20**	**ug/L**	**0.020**
Dibenzo(a,h)anthracene	ND	0.20	ug/L	0.031
Fluoranthene	**0.073 J**	**0.20**	**ug/L**	**0.031**
Fluorene	**0.13 J**	**0.20**	**ug/L**	**0.036**
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	0.025
1-Methylnaphthalene	ND	0.20	ug/L	0.084
2-Methylnaphthalene	**0.057 J**	**0.20**	**ug/L**	**0.050**
Naphthalene	**0.084 J**	**0.20**	**ug/L**	**0.038**
Phenanthrene	**0.44**	**0.20**	**ug/L**	**0.031**
Pyrene	**0.060 J**	**0.20**	**ug/L**	**0.024**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(23 - 115)
Terphenyl-d14	18	(10 - 115)
2-Fluorobiphenyl	64	(23 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

SW846 8270C SIM SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

Lab Code: STLPIT SDG No:

Lot #: C6F300231

Extraction: XXAT3FX8G

	CLIENT ID.	SRG01	SRG02	SRG03	TOT OUT
1	EW-1/ES-1	82	18	64	00
2	METHOD BLK. H88KH1AA	82	63	63	00
3	LCS H88KH1AC	77	58	66	00
4	LCSD H88KH1AD	54	63	73	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(23-115)
SRG02	= Terphenyl-d14	(10-115)
SRG03	= 2-Fluorobiphenyl	(23-115)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C SIM CHECK SAMPLE RECOVERY

ab Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

ab Code: STLPIT SDG No:

ot #: C6G140000 WO #: H88KH1AC
BATCH: 6195180

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Acenaphthene	5.00	2.94	59	39- 118	
Pyrene	5.00	3.22	64	46- 130	

NOTES(S):

Values outside of QC limits

ike Recovery: 0 out of 2 outside limits

MMENTS:

FORM III

SW846 8270C SIM CHECK SAMPLE DUPLICATE RECOVERY

ab Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

ab Code: STLPIT SDG No:

ot #: C6G140000 WO #: H88KH1AD
BATCH: 6195180

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
Acenaphthene	5.00	2.99	60	39- 118	
Pyrene	5.00	3.47	69	46- 130	

NOTES(S):

Values outside of QC limits

pike Recovery: 0 out of 2 outside limits

OMMENTS:

FORM III

SW846 8270C SIM METHOD BLANK SUMMARY

BLANK WORKORDER NO.

H88KH1AA

ab Name: Severn Trent Laboratories, Inc.

ab Code: STLPIT

SDG Number:

ab File ID: M0720S01.

Lot Number: C6F300231

ate Analyzed: 07/20/06

Time Analyzed: 15:23

atrix: SOLID

Date Extracted:07/14/06

C Column: DB5MS ID: .25

Extraction Method: Elutriate

nstrument ID: MSD7

Level:(low/med) LOW

HIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1	EW-1/ES-1	H8JW21AC	M0720S05.	07/20/06	17:16
2	CHECK SAMPLE	H88KH1AC C	M0720S02.	07/20/06	15:52
3	DUPLICATE CHECK	H88KH1AD L	M0720S03.	07/20/06	16:20
4					
5					
6					
7					
8					
9					
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
0					

MMENTS:

FORM IV

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C6F300231	**Work Order #...:** H88KH1AA	**Matrix.....:** SOLID
MB Lot-Sample #: C6G140000-180		
	Prep Date.....: 07/14/06	**Analysis Time..:** 15:23
Analysis Date..: 07/20/06	**Prep Batch #...:** 6195180	**Final Wgt/Vol..:** 1 mL
Dilution Factor: 1	**Initial Wgt/Vol:** 1000 mL	**Instrument ID..:** MSD7
	Analyst ID.....: 003200	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C SIM
Acenaphthylene	ND	0.20	ug/L	SW846 8270C SIM
Anthracene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C SIM
Chrysene	ND	0.20	ug/L	SW846 8270C SIM
Dibenzo(a,h)anthracene	ND	0.20	ug/L	SW846 8270C SIM
Fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Fluorene	ND	0.20	ug/L	SW846 8270C SIM
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C SIM
1-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C SIM
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C SIM
Naphthalene	ND	0.20	ug/L	SW846 8270C SIM
Phenanthrene	ND	0.20	ug/L	SW846 8270C SIM
Pyrene	ND	0.20	ug/L	SW846 8270C SIM

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(23 - 115)
Terphenyl-d14	63	(10 - 115)
2-Fluorobiphenyl	63	(23 - 115)

NOTE(S):

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6F300231

Lab File ID (Standard): M0720SC1 Date Analyzed: 07/20/06

Instrument ID: MSD7 Time Analyzed: 1455

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66568	5.07	209154	6.53	132281	9.14
	UPPER LIMIT	133136	5.57	418308	7.03	264562	9.64
	LOWER LIMIT	33284	4.57	104577	6.03	66141	8.64
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	61797	5.07	173685	6.53	82950	9.14
02	INTRA-LAB CH	68332	5.07	166390	6.53	77826	9.14
03	INTRA-LAB CH	56128	5.07	201863	6.53	107004	9.15
04	EW-1/ES-1	62010	5.07	182934	6.52	117379	9.14
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6F300231

Lab File ID (Standard): M0720SC1 Date Analyzed: 07/20/06

Instrument ID: MSD7 Time Analyzed: 1455

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	195887	11.70	155767	16.49	147739	19.06
	UPPER LIMIT	391774	12.20	311534	16.99	295478	19.56
	LOWER LIMIT	97944	11.20	77884	15.99	73870	18.56
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	161680	11.70	162527	16.49	131545	19.06
02	INTRA-LAB CH	154324	11.70	145427	16.49	144440	19.06
03	INTRA-LAB CH	188035	11.71	155542	16.50	127568	19.06
04	EW-1/ES-1	211151	11.70	164587	16.49	134027	19.05
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

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FORM VIII SV

PESTICIDE SUMMARY

Foth & Van Dyke and Associates

Client Sample ID: EW-1/ES-1

Dissolved GC Semivolatiles

Lot-Sample #...:	C6F300231-001	Work Order #...:	H8JW21AD	Matrix.....:	SOLID
Date Sampled...:	06/29/06	Date Received..:	06/30/06	MS Run #.....:	
Leach Date.....:	07/12/06	Prep Date.....:	07/13/06	Analysis Date..:	07/17/06
Leach Batch #..:	P619305	Prep Batch #...:	6194481	Analysis Time..:	21:53
Dilution Factor:	0.97	Initial Wgt/Vol:	1030 mL	Final Wgt/Vol..:	10 mL
% Moisture.....:		Analyst ID.....:	402331	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4,4'-DDE	ND	0.048	ug/L	0.015
4,4'-DDT	ND	0.048	ug/L	0.017
Endrin	ND	0.048	ug/L	0.018
Aldrin	ND	0.048	ug/L	0.018
alpha-Chlordane	ND	0.048	ug/L	0.024
gamma-Chlordane	ND	0.048	ug/L	0.015

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	39	(31 - 131)
Decachlorobiphenyl	79	(18 - 145)

NOTE(S):

SW846 8081A SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

Lab Code: STLPIT SDG No:

Lot #: C6F300231

Extraction: XXAT2QJ8G

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	EW-1/ES-1	39	79	00
02	METHOD BLK. H87K61AA	87	87	00
03	LCS H87K61AC	89	88	00
04	LCSD H87K61AD	87	86	00

SURROGATES		QC LIMITS
SRG01	= Tetrachloro-m-xylene	(31-131)
SRG02	= Decachlorobiphenyl	(18-145)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8081A CHECK SAMPLE RECOVERY

ab Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

ab Code: STLPIT SDG No:

ot #: C6G130000 WO #: H87K61AC
BATCH: 6194481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
gamma-BHC (Lindane)	0.250	0.216	86	47- 130	
Heptachlor	0.250	0.221	89	39- 126	
Aldrin	0.250	0.208	83	39- 122	
Dieldrin	0.250	0.230	92	45- 128	
Endrin	0.250	0.254	101	47- 133	
4,4'-DDT	0.250	0.205	82	35- 144	

NOTES(S):

Values outside of QC limits

ike Recovery: 0 out of 6 outside limits

MMENTS:

FORM III

SW846 8081A CHECK SAMPLE DUPLICATE RECOVERY

ab Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

ab Code: STLPIT SDG No:

ot #: C6G130000 WO #: H87K61AD
BATCH: 6194481

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
gamma-BHC (Lindane)	0.250	0.214	86	47- 130	
Heptachlor	0.250	0.221	89	39- 126	
Aldrin	0.250	0.206	82	39- 122	
Dieldrin	0.250	0.226	90	45- 128	
Endrin	0.250	0.248	99	47- 133	
4,4'-DDT	0.250	0.205	82	35- 144	

NOTES(S):

Values outside of QC limits

pike Recovery: 0 out of 6 outside limits

OMMENTS:

FORM III

SW846 8081A METHOD BLANK SUMMARY

BLANK WORKORDER NO.

H87K61AA

ab Name: Severn Trent Laboratories, Inc.

ab Code: STLPIT

SDG Number:

ab File ID: H076252.d

Lot Number: C6F300231

atrix: SOLID

Extraction Method: Elutriate

Date Extracted: 07/13/06

ate Analyzed(1): 07/17/06

Date Analyzed(2): N/A

ime Analyzed(1): 22:51

Time Analyzed(2): N/A

nstrument ID(1): G/H

Instrument ID(2): N/A

C Column(1): DB608/1701 ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
1	EW-1/ES-1	H8JW21AD	07/17/06	N/A
2	CHECK SAMPLE	H87K61AC C	07/17/06	N/A
3	DUPLICATE CHECK	H87K61AD L	07/17/06	N/A
4				
5				
6				
7				
8				
9				
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
0				

OMMENTS:

FORM IV

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C6F300231	**Work Order #...:** H87K61AA	**Matrix.....:** SOLID
MB Lot-Sample #: C6G130000-481		
	Prep Date.....: 07/13/06	**Analysis Time..:** 22:51
Analysis Date..: 07/17/06	**Prep Batch #...:** 6194481	**Final Wgt/Vol..:** 10 mL
Dilution Factor: 1	**Initial Wgt/Vol:** 1000 mL	**Instrument ID..:** G/H
	Analyst ID.....: 402331	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	SW846 8081A
alpha-Chlordane	ND	0.050	ug/L	SW846 8081A
gamma-Chlordane	ND	0.050	ug/L	SW846 8081A
4,4'-DDE	ND	0.050	ug/L	SW846 8081A
4,4'-DDT	ND	0.050	ug/L	SW846 8081A
Endrin	ND	0.050	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(31 - 131)
Decachlorobiphenyl	87	(18 - 145)

NOTE(S):

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

METALS SUMMARY

Foth & Van Dyke and Associates

Client Sample ID: EW-1/ES-1

DISSOLVED Metals

Lot-Sample #...: C6F300231-001 Matrix.....: SOLID
Date Sampled...: 06/29/06 Date Received..: 06/30/06
Leach Date.....: 06/29/06 Leach Batch #..: P619305

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6197040						
Mercury	0.084 B	0.20	ug/L	SW846 7470A	07/17/06	H8JW21AE
		Dilution Factor: 1		Analysis Time..: 10:37	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 6198007	MDL.....: 0.048	
Prep Batch #...: 6200474						
Arsenic	24.1	10.0	ug/L	SW846 6010B	07/19-07/22/06	H8JW21AN
		Dilution Factor: 1		Analysis Time..: 16:46	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 6200284	MDL.....: 3.3	
Cadmium	ND	5.0	ug/L	SW846 6010B	07/19-07/22/06	H8JW21AP
		Dilution Factor: 1		Analysis Time..: 16:46	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 6200284	MDL.....: 0.70	
Chromium	20.1	5.0	ug/L	SW846 6010B	07/19-07/22/06	H8JW21AQ
		Dilution Factor: 1		Analysis Time..: 16:46	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 6200284	MDL.....: 0.93	
Copper	42.1	25.0	ug/L	SW846 6010B	07/19-07/25/06	H8JW21AR
		Dilution Factor: 1		Analysis Time..: 01:01	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 6200284	MDL.....: 1.2	
Manganese	522	15.0	ug/L	SW846 6010B	07/19-07/22/06	H8JW21AT
		Dilution Factor: 1		Analysis Time..: 16:46	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 6200284	MDL.....: 0.11	
Nickel	14.2 B	40.0	ug/L	SW846 6010B	07/19-07/22/06	H8JW21AU
		Dilution Factor: 1		Analysis Time..: 16:46	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 6200284	MDL.....: 1.2	
Lead	27.6	3.0	ug/L	SW846 6010B	07/19-07/22/06	H8JW21AV
		Dilution Factor: 1		Analysis Time..: 16:46	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 6200284	MDL.....: 1.6	
Zinc	113	20.0	ug/L	SW846 6010B	07/19-07/22/06	H8JW21AW
		Dilution Factor: 1		Analysis Time..: 16:46	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....: 6200284	MDL.....: 1.7	

NOTE(S):

Leachate testing in accordance with USEPA Manual SW846 Method 1310

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: C6F300231 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C6G160000-040 **Prep Batch #...:** 6197040						
Mercury	ND	0.20	ug/L	SW846 7470A	07/17/06	H9DGR1AA
		Dilution Factor: 1				
		Analysis Time..: 00:00		Analyst ID.....: 031043	Instrument ID..: HGH	
MB Lot-Sample #: C6G190000-474 **Prep Batch #...:** 6200474						
Arsenic	ND	10.0	ug/L	SW846 6010B	07/19-07/22/06	H9KKW1AA
		Dilution Factor: 1				
		Analysis Time..: 16:35		Analyst ID.....: 022952	Instrument ID..: TRA	
Cadmium	ND	5.0	ug/L	SW846 6010B	07/19-07/22/06	H9KKW1AC
		Dilution Factor: 1				
		Analysis Time..: 16:35		Analyst ID.....: 022952	Instrument ID..: TRA	
Chromium	ND	5.0	ug/L	SW846 6010B	07/19-07/22/06	H9KKW1AD
		Dilution Factor: 1				
		Analysis Time..: 16:35		Analyst ID.....: 022952	Instrument ID..: TRA	
Copper	ND	25.0	ug/L	SW846 6010B	07/19-07/25/06	H9KKW1AE
		Dilution Factor: 1				
		Analysis Time..: 00:50		Analyst ID.....: 022952	Instrument ID..: TRA	
Lead	ND	3.0	ug/L	SW846 6010B	07/19-07/22/06	H9KKW1AH
		Dilution Factor: 1				
		Analysis Time..: 16:35		Analyst ID.....: 022952	Instrument ID..: TRA	
Manganese	ND	15.0	ug/L	SW846 6010B	07/19-07/22/06	H9KKW1AF
		Dilution Factor: 1				
		Analysis Time..: 16:35		Analyst ID.....: 022952	Instrument ID..: TRA	
Nickel	ND	40.0	ug/L	SW846 6010B	07/19-07/22/06	H9KKW1AG
		Dilution Factor: 1				
		Analysis Time..: 16:35		Analyst ID.....: 022952	Instrument ID..: TRA	
Zinc	ND	20.0	ug/L	SW846 6010B	07/19-07/22/06	H9KKW1AJ
		Dilution Factor: 1				
		Analysis Time..: 16:35		Analyst ID.....: 022952	Instrument ID..: TRA	

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C6F300231 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C6G160000-040 **Prep Batch #...:** 6197040					
Mercury	96	(80 - 120)	SW846 7470A	07/17/06	H9DGR1AC
		Dilution Factor: 1	Analysis Time..: 00:00	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA			
LCS Lot-Sample#: C6G190000-474 **Prep Batch #...:** 6200474					
Arsenic	103	(80 - 120)	SW846 6010B	07/19-07/22/06	H9KKW1AK
		Dilution Factor: 1	Analysis Time..: 16:41	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP			
Cadmium	104	(80 - 120)	SW846 6010B	07/19-07/22/06	H9KKW1AL
		Dilution Factor: 1	Analysis Time..: 16:41	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP			
Chromium	105	(80 - 120)	SW846 6010B	07/19-07/22/06	H9KKW1AM
		Dilution Factor: 1	Analysis Time..: 16:41	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP			
Copper	105	(80 - 120)	SW846 6010B	07/19-07/25/06	H9KKW1AN
		Dilution Factor: 1	Analysis Time..: 00:56	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP			
Manganese	104	(80 - 120)	SW846 6010B	07/19-07/22/06	H9KKW1AP
		Dilution Factor: 1	Analysis Time..: 16:41	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP			
Nickel	104	(80 - 120)	SW846 6010B	07/19-07/22/06	H9KKW1AQ
		Dilution Factor: 1	Analysis Time..: 16:41	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP			
Lead	104	(80 - 120)	SW846 6010B	07/19-07/22/06	H9KKW1AR
		Dilution Factor: 1	Analysis Time..: 16:41	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP			
Zinc	106	(80 - 120)	SW846 6010B	07/19-07/22/06	H9KKW1AT
		Dilution Factor: 1	Analysis Time..: 16:41	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP			

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: C6F300231 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C6G160000-040 **Prep Batch #...:** 6197040							
Mercury	2.50	2.40	ug/L	96	SW846 7470A	07/17/06	H9DGR1AC
			Dilution Factor: 1		Analysis Time..: 00:00	Analyst ID.....: 031043	
			Instrument ID..: HGHYDRA				
LCS Lot-Sample#: C6G190000-474 **Prep Batch #...:** 6200474							
Arsenic	2000	2050	ug/L	103	SW846 6010B	07/19-07/22/06	H9KKW1AK
			Dilution Factor: 1		Analysis Time..: 16:41	Analyst ID.....: 022952	
			Instrument ID..: TRACEICP				
Cadmium	50.0	52.2	ug/L	104	SW846 6010B	07/19-07/22/06	H9KKW1AL
			Dilution Factor: 1		Analysis Time..: 16:41	Analyst ID.....: 022952	
			Instrument ID..: TRACEICP				
Chromium	200	209	ug/L	105	SW846 6010B	07/19-07/22/06	H9KKW1AM
			Dilution Factor: 1		Analysis Time..: 16:41	Analyst ID.....: 022952	
			Instrument ID..: TRACEICP				
Copper	250	262	ug/L	105	SW846 6010B	07/19-07/25/06	H9KKW1AN
			Dilution Factor: 1		Analysis Time..: 00:56	Analyst ID.....: 022952	
			Instrument ID..: TRACEICP				
Manganese	500	521	ug/L	104	SW846 6010B	07/19-07/22/06	H9KKW1AP
			Dilution Factor: 1		Analysis Time..: 16:41	Analyst ID.....: 022952	
			Instrument ID..: TRACEICP				
Nickel	500	519	ug/L	104	SW846 6010B	07/19-07/22/06	H9KKW1AQ
			Dilution Factor: 1		Analysis Time..: 16:41	Analyst ID.....: 022952	
			Instrument ID..: TRACEICP				
Lead	500	522	ug/L	104	SW846 6010B	07/19-07/22/06	H9KKW1AR
			Dilution Factor: 1		Analysis Time..: 16:41	Analyst ID.....: 022952	
			Instrument ID..: TRACEICP				
Zinc	500	531	ug/L	106	SW846 6010B	07/19-07/22/06	H9KKW1AT
			Dilution Factor: 1		Analysis Time..: 16:41	Analyst ID.....: 022952	
			Instrument ID..: TRACEICP				

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C6F300231 **Matrix.....:** SOLID
Date Sampled...: 06/20/06 **Date Received..:** 06/21/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C6F210221-001					**Prep Batch #...:** 6197040		
Leach Date.....: 06/29/06					**Leach Batch #..:** P618003	**% Moisture.....:** 100	
Mercury	39 N	(75 - 125)			SW846 7470A	07/17/06	H7VT21DM
	39 N	(75 - 125)	1.1	(0-20)	SW846 7470A	07/17/06	H7VT21DN

Dilution Factor: 1
Analysis Time..: 10:28 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 6198007

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: C6F300231 **Matrix.....:** SOLID
Date Sampled...: 06/20/06 **Date Received..:** 06/21/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C6F210221-001 **Prep Batch #...:** 6197040									
Leach Date.....: 06/29/06 **Leach Batch #..:** P618003 **% Moisture.....:** 100									
Mercury									
	0.80	2.50	1.78 N	ug/L	39		SW846 7470A	07/17/06	H7VT21DM
	0.80	2.50	1.76 N	ug/L	39	1.1	SW846 7470A	07/17/06	H7VT21DN

Dilution Factor: 1
Analysis Time..: 10:28 Instrument ID..: HGHYDRA Analyst ID.....: 031043
MS Run #.....: 6198007

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C6F300231 **Matrix.....:** SOLID
Date Sampled...: 06/29/06 **Date Received..:** 06/30/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: C6F300231-001 **Prep Batch #...:** 6200474							
Leach Date.....: 07/12/06 **Leach Batch #..:** P619305 **% Moisture.....:**							
Arsenic	101	(75 - 125)			SW846 6010B	07/19-07/22/06	H8JW21A3
	100	(75 - 125)	1.1	(0-20)	SW846 6010B	07/19-07/22/06	H8JW21A4
		Dilution Factor: 1					
		Analysis Time..: 16:57			Instrument ID..: TRACEICP	Analyst ID.....: 022952	
		MS Run #.....: 6200284					
Cadmium	100	(75 - 125)			SW846 6010B	07/19-07/22/06	H8JW21A5
	99	(75 - 125)	1.1	(0-20)	SW846 6010B	07/19-07/22/06	H8JW21A6
		Dilution Factor: 1					
		Analysis Time..: 16:57			Instrument ID..: TRACEICP	Analyst ID.....: 022952	
		MS Run #.....: 6200284					
Chromium	100	(75 - 125)			SW846 6010B	07/19-07/22/06	H8JW21A7
	98	(75 - 125)	1.1	(0-20)	SW846 6010B	07/19-07/22/06	H8JW21A8
		Dilution Factor: 1					
		Analysis Time..: 16:57			Instrument ID..: TRACEICP	Analyst ID.....: 022952	
		MS Run #.....: 6200284					
Copper	105	(75 - 125)			SW846 6010B	07/19-07/25/06	H8JW21A9
	104	(75 - 125)	1.4	(0-20)	SW846 6010B	07/19-07/25/06	H8JW21CA
		Dilution Factor: 1					
		Analysis Time..: 01:12			Instrument ID..: TRACEICP	Analyst ID.....: 022952	
		MS Run #.....: 6200284					
Lead	100	(75 - 125)			SW846 6010B	07/19-07/22/06	H8JW21CG
	99	(75 - 125)	0.88	(0-20)	SW846 6010B	07/19-07/22/06	H8JW21CH
		Dilution Factor: 1					
		Analysis Time..: 16:57			Instrument ID..: TRACEICP	Analyst ID.....: 022952	
		MS Run #.....: 6200284					
Manganese	95	(75 - 125)			SW846 6010B	07/19-07/22/06	H8JW21CC
	93	(75 - 125)	0.73	(0-20)	SW846 6010B	07/19-07/22/06	H8JW21CD
		Dilution Factor: 1					
		Analysis Time..: 16:57			Instrument ID..: TRACEICP	Analyst ID.....: 022952	
		MS Run #.....: 6200284					
Nickel	100	(75 - 125)			SW846 6010B	07/19-07/22/06	H8JW21CE
	99	(75 - 125)	1.0	(0-20)	SW846 6010B	07/19-07/22/06	H8JW21CF
		Dilution Factor: 1					
		Analysis Time..: 16:57			Instrument ID..: TRACEICP	Analyst ID.....: 022952	
		MS Run #.....: 6200284					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: C6F300231 **Matrix.....:** SOLID
Date Sampled...: 06/29/06 **Date Received..:** 06/30/06

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	113	(75 - 125)			SW846 6010B	07/19-07/22/06	H8JW21CJ
	98	(75 - 125)	11	(0-20)	SW846 6010B	07/19-07/22/06	H8JW21CK

Dilution Factor: 1
Analysis Time..: 16:57 Instrument ID..: TRACEICP Analyst ID.....: 022952
MS Run #.....: 6200284

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: C6F300231 **Matrix.....:** SOLID
Date Sampled...: 06/29/06 **Date Received..:** 06/30/06

MS Lot-Sample #: C6F300231-001 **Prep Batch #...:** 6200474
Leach Date.....: 07/12/06 **Leach Batch #..:** P619305 **% Moisture.....:**

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic									
	24.1	2000	2050	ug/L	101		SW846 6010B	07/19-07/22/06	H8JW21A3
	24.1	2000	2030	ug/L	100	1.1	SW846 6010B	07/19-07/22/06	H8JW21A4
			Dilution Factor: 1						
			Analysis Time..: 16:57		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 6200284						
Cadmium									
	ND	50.0	50.1	ug/L	100		SW846 6010B	07/19-07/22/06	H8JW21A5
	ND	50.0	49.5	ug/L	99	1.1	SW846 6010B	07/19-07/22/06	H8JW21A6
			Dilution Factor: 1						
			Analysis Time..: 16:57		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 6200284						
Chromium									
	20.1	200	219	ug/L	100		SW846 6010B	07/19-07/22/06	H8JW21A7
	20.1	200	217	ug/L	98	1.1	SW846 6010B	07/19-07/22/06	H8JW21A8
			Dilution Factor: 1						
			Analysis Time..: 16:57		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 6200284						
Copper									
	42.1	250	305	ug/L	105		SW846 6010B	07/19-07/25/06	H8JW21A9
	42.1	250	301	ug/L	104	1.4	SW846 6010B	07/19-07/25/06	H8JW21CA
			Dilution Factor: 1						
			Analysis Time..: 01:12		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 6200284						
Lead									
	27.6	500	528	ug/L	100		SW846 6010B	07/19-07/22/06	H8JW21CG
	27.6	500	524	ug/L	99	0.88	SW846 6010B	07/19-07/22/06	H8JW21CH
			Dilution Factor: 1						
			Analysis Time..: 16:57		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 6200284						
Manganese									
	522	500	996	ug/L	95		SW846 6010B	07/19-07/22/06	H8JW21CC
	522	500	989	ug/L	93	0.73	SW846 6010B	07/19-07/22/06	H8JW21CD
			Dilution Factor: 1						
			Analysis Time..: 16:57		Instrument ID..: TRACEICP		Analyst ID.....: 022952		
			MS Run #.....: 6200284						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: C6F300231 **Matrix.....:** SOLID
Date Sampled...: 06/29/06 **Date Received..:** 06/30/06

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	14.2	500	515	ug/L	100		SW846 6010B	07/19-07/22/06	H8JW21CE
	14.2	500	509	ug/L	99	1.0	SW846 6010B	07/19-07/22/06	H8JW21CF

Dilution Factor: 1
Analysis Time..: 16:57 Instrument ID..: TRACEICP Analyst ID.....: 022952
MS Run #.....: 6200284

Zinc									
	113	500	679	ug/L	113		SW846 6010B	07/19-07/22/06	H8JW21CJ
	113	500	606	ug/L	98	11	SW846 6010B	07/19-07/22/06	H8JW21CK

Dilution Factor: 1
Analysis Time..: 16:57 Instrument ID..: TRACEICP Analyst ID.....: 022952
MS Run #.....: 6200284

NOTE(S):

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

GENERAL CHEMISTRY SUMMARY

Foth&VanDyke Lake Nagawicka

TOC

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 415.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300231
Matrix:	SOLID		

Modified Elutriate Procedure(DISS) -> No Sample Pr

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300231 001	H8JW21AJ	14.2	mg/L	2.0	2	7/13/2006 - 7/13/2006 00:00	6195016

Foth&VanDyke Lake Nagawicka

Dissolved BOD

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 405.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300231
Matrix:	SOLID		

ACOE MODIFIED ELUTRIATE PROCEDURE FOR BOD

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300231 001	H8JW21AA	13.1	mg/L	2.0	1	7/13/2006 - 7/18/2006 14:30	6194331

Foth&VanDyke Lake Nagawicka

Dissolved Nitrate/Nitrite

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 353.2
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300231
Matrix:	SOLID		

MODIFIED ELUTRIATE (DISS) FOR NITRATE-NITRITE

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300231 001	H8JW21AH	ND	mg/L	0.10	1	7/25/2006 - 7/25/2006 18:05	6206484

Foth&VanDyke Lake Nagawicka

Ammonia Nitrogen

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 350.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300231
Matrix:	SOLID		

Modified Elutriate Procedure(DISS) no prep

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300231 001	H8JW21AG	12.2 J	mg/L	0.50	5	7/13/2006 - 7/14/2006 00:00	6194554

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

Foth&VanDyke Lake Nagawicka

Total Kjeldahl Nitrogen

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 351.3
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300231
Matrix:	SOLID		

Modified Elutriate Procedure(DISS) no prep

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300231 001	H8JW21AL	18.8	mg/L	3.0	1	7/19/2006 - 7/20/2006 00:00	6201426

Foth&VanDyke Lake Nagawicka

pH

Lab Name:	STL PITTSBURGH	**Method:**	SW846 9040B
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300231
Matrix:	SOLID		

Modified Elutriate Procedure (DISS) No Prep

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300231 001	H8JW21AK	7.8	No Units	0.10	1	7/15/2006 - 7/15/2006 14:58	6196053

Foth&VanDyke Lake Nagawicka

Total phosphorus

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 365.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300231
Matrix:	SOLID		

Modified Elutriate Procedure(DISS) -> No Sample Pr

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300231 001	H8JW21AM	0.59	mg/L	0.10	1	7/25/2006 - 7/25/2006 00:00	6206626

Foth&VanDyke Lake Nagawicka

Total Suspended Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.2
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300231
Matrix:	SOLID		

Modified Elutriate Procedure (DISS) No Prep

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300231 001	H8JW21AF	170	mg/L	4.0	1	7/13/2006 - 7/13/2006 00:00	6194045

Foth&VanDyke Lake Nagawicka

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Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 415.1
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300231
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C6G140000016B	016 MB	H876G1AA	ND	mg/L	1.0	7/13/2006 - 7/13/2006	6195016	

Foth&VanDyke Lake Nagawicka

Dissolved BOD

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 405.1
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300231
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C6G130000331B	331 MB	H9GCD1AA	ND	mg/L	2.0	7/13/2006 - 7/18/2006	6194331	

Foth&VanDyke Lake Nagawicka

Dissolved Nitrate/Nitrite

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 353.2
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300231
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C6G250000484B	484 MB	H91FA1AA	ND	mg/L	0.10	7/25/2006 - 7/25/2006	6206484	

Foth&VanDyke Lake Nagawicka

Ammonia Nitrogen

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 350.1
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300231
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C6G130000554B	554 MB	H873C1AA	0.082 B	mg/L	0.10	7/13/2006 - 7/14/2006	6194554	

B Estimated result. Result is less than RL.

Foth&VanDyke Lake Nagawicka

Total Kjeldahl Nitrogen

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 351.3
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300231
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - A6G200000426B	426 MB	H9M221AA	ND	mg/L	3.0	7/19/2006 - 7/20/2006	6201426	

Foth&VanDyke Lake Nagawicka

pH

Lab Name:	STL PITTSBURGH	**Method:**	SW846 9040B
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300231
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
EW-1/ES-1 DUP	001 DUP	H8JW21A2	7.8	No Units	0.10	7/15/2006 - 7/15/2006	6196053	0.0 / 2.0

Foth&VanDyke Lake Nagawicka

Total phosphorus

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 365.1
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300231
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - A6G250000626B	626 MB	H90751AA	ND	mg/L	0.10	7/25/2006 - 7/25/2006	6206626	

Foth&VanDyke Lake Nagawicka

Total Suspended Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.2
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300231
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C6G130000045B	045 MB	H85DX1AA	ND	mg/L	4.0	7/13/2006 - 7/13/2006	6194045	
EW-1/ES-1 DUP	001 DUP	H8JW21AX	165	mg/L	4.0	7/13/2006 - 7/13/2006	6194045	3.0 / 20

Foth&VanDyke Lake Nagawicka

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Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 415.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G140000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H876G1AC	95	90 - 110	7/13/2006 - 7/13/2006	6195016	3.0 / 20
DUPLICATE CHECK	LCSD	H876G1AD	92	90 - 110	7/13/2006 - 7/13/2006	6195016	3.0 / 20

Foth&VanDyke Lake Nagawicka

Dissolved BOD

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 405.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G130000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
DUPLICATE CHECK	LCSD	H9GCD1AD	98	85 - 115	7/13/2006 - 7/18/2006	6194331	3.0 / 20
CHECK SAMPLE	LCS	H9GCD1AC	101	85 - 115	7/13/2006 - 7/18/2006	6194331	3.0 / 20

Foth&VanDyke Lake Nagawicka

Dissolved Nitrate/Nitrite

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 353.2
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G250000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H91FA1AC	100	90 - 110	7/25/2006 - 7/25/2006	6206484	
EW-1/ES-1	MS	H8JW21CL	100	90 - 110	7/25/2006 - 7/25/2006	6206484	1.9 / 20
EW-1/ES-1	MSD	H8JW21CM	98	90 - 110	7/25/2006 - 7/25/2006	6206484	1.9 / 20

Foth&VanDyke Lake Nagawicka

Ammonia Nitrogen

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 350.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300231
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
EW-1/ES-1	MSD	H8JW21A1	NC D	90 - 110	7/13/2006 - 7/14/2006	6194554	
EW-1/ES-1	MS	H8JW21A0	NC D	90 - 110	7/13/2006 - 7/14/2006	6194554	
CHECK SAMPLE	LCS	H873C1AC	103	90 - 110	7/13/2006 - 7/14/2006	6194554	

Foth&VanDyke Lake Nagawicka

Total Kjeldahl Nitrogen

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 351.3
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	A6G200000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H9M221AC	100	65 - 144	7/19/2006 - 7/20/2006	6201426	
LAB MS/MSD	MS	H859F1AE	97	10 - 200	7/19/2006 - 7/20/2006	6201424	0.0 / 20
LAB MS/MSD	MSD	H859F1AF	97	10 - 200	7/19/2006 - 7/20/2006	6201424	0.0 / 20

Foth&VanDyke Lake Nagawicka

pH

Lab Name:	STL PITTSBURGH	**Method:**	SW846 9040B
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G150000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H9DA11AA	100	99 - 101	7/15/2006 - 7/15/2006	6196053	

Foth&VanDyke Lake Nagawicka

Total phosphorus

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 365.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	A6G250000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H90751AC	100	53 - 134	7/25/2006 - 7/25/2006	6206626	

Foth&VanDyke Lake Nagawicka

Total Suspended Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.2
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G130000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H85DX1AC	81	80 - 120	7/13/2006 - 7/13/2006	6194045	

Foth&VanDyke Lake Nagawicka

Total phosphorus

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 365.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	A6G130150
Matrix:	WATER	**Date/Time Received:**	7/13/2006 9:20:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
LAB MS/MSD	MSD	H85RF1FK	107	10 - 199	7/25/2006 - 7/25/2006	6206602	0.61 / 46
LAB MS/MSD	MS	H85RF1FJ	108	10 - 199	7/25/2006 - 7/25/2006	6206602	0.61 / 46

G-4

Elutriate Test Results (Totals)

MASTER FILE COPY
S: Clo Dock ... 10,500
SPADE

SEVERN TRENT STL

STL Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238

Tel: 412 963 7058 Fax: 412 963 2468
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. FOTH & VAN DYKE

Foth&VanDyke Lake Nagawicka

Lot #: C6F300227

Ron Meister

Foth & Van Dyke and Associates

SEVERN TRENT LABORATORIES, INC.

Carrie L. Gamber
Project Manager

July 27, 2006

SEVERN TRENT STL

ACCREDITED IN ACCORDANCE WITH nelac

NELAC REPORTING:

The format and content of the attached report meets NELAC standards and guidelines except as noted in the narrative. The table below presents a summary of the certifications held by STL Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State Program	Certificate #	Program Types	STL Pittsburgh
NFESC	NA	NAVY	X
USACE	NA	Corps of Engineers	X
US Dept of Agriculture	(#S-46425)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW HW	X X
California – nelac	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – nelac	(#E87660)	WW HW	X X
Illinois – nelac	(#200005)	WW HW	X X
Kansas – nelac	(#E-10350)	WW HW	X X
Louisiana – nelac	(#93200)	WW HW	X X
New Hampshire – nelac	(#203002)	WW –	X –
New Jersey – nelac	(PA-005)	WW HW	X X
New York – nelac	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Ohio Vap	(#CL0063)	WW HW	X X
Pennsylvania - nelac	(#02-00416)	WW HW	X X
South Carolina	(#89014001)	WW HW	X X
Utah – nelac	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 04/27/06

CASE NARRATIVE
Foth & Van Dyke and Associates

STL Lot # C6F300227

Sample Receiving:
STL Pittsburgh received samples for analysis on June 30, 2006. The coolers were received within the proper temperature range.

NOTE: The data contained in this report is the Modified Elutriate total results.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Semivolatiles SIM:
Due to matrix, sample EW-1/ES-1 was extracted using 100-mls instead of 1-liter and concentrated the 0.5-mls. The reporting limits were adjusted by a factor of 5X.

Pesticides:
Due to matrix, sample EW-1/ES-1 was extracted using 100-mls instead of 1-liter. The reporting limits were adjusted by a factor of 10X.

All compounds <20% RSD will use an average response factor curve if no visible improvement is accomplished using a quadratic curve. A quadratic curve will be used for a compound where it is determined to be the "best-fit" evaluation.

Metals:
Due to matrix, sample EW-1/ES-1 was digested at a 10X dilution.

The method blanks had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

General Chemistry:
STL North Canton, Ohio performed the TKN and the phosphorus analyses. All data is included in the package.

Sample EW-1/ES-1 was analyzed at a dilution for TOC, TKN, total phosphorus, TSS, and ammonia.

The method blanks had analytes detected at concentrations between the MDL and the reporting limit. The results were flagged with a "B" qualifier. Any sample associated with a method blank that had the same analyte detected had the result flagged with a "J" qualifier.

General Chemistry (cont):
The matrix spike and matrix spike duplicate recovered outside of the control limits for nitrate/nitrite.

METHODS SUMMARY

C6F300227

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
pH Aqueous	SW846 9040B	
Biochemical Oxygen Demand	MCAWW 405.1	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	ACOE ACOE ELUTR
Nitrate-Nitrite	MCAWW 353.2	
Nitrogen, Ammonia	MCAWW 350.1	
Non-Filterable Residue (TSS)	MCAWW 160.2	
Organochlorine Pesticides	SW846 8081A	ACOE ACOE ELUTR
Phosphorus, All Forms (Automated, colormetric)	MCAWW 365.1	
Total Kjeldahl Nitrogen	MCAWW 351.3	
Total Organic Carbon	MCAWW 415.1	
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	ACOE ACOE ELUTR
8270C (SIM)	SW846 8270C SIM	

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

C6F300227

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
H8JWM	001	EW-1/ES-1	06/28/06	12:00

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.

Chain of Custody Record

TRENT STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: City of Delafield - Foth & VanDyke	Project Manager: Steve Dischler	Date: 6/29/06	Chain of Custody Number: 315447
Address: 2737 S. Ridge Rd	Telephone Number (Area Code)/Fax Number: 920/497/2500	Lab Number:	Page 1 of 1
City: Green Bay; State: WI; Zip Code: 54307	Site Contact: Tom Hafner	Lab Contact: Carrie Gamber	
Project Name and Location (State): Nagawicka Lake Restoration, Delafield, WI	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): See Attached	Special Instructions/ Conditions of Receipt
EW-1	6/28/06	12:00		X			X						X	See Attached
ES-1	6/28/06	12:00			X		X						X	"

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 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other None Specified

QC Requirements (Specify):

1. Relinquished By: Laura Konkel	Date: 6/29/06	Time: 16:30	1. Received By:	Date:	Time:
2. Relinquished By:	Date:	Time:	2. Received By: Patrick R Daust	Date: 6/30/06	Time: 0945
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

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

06F300227
7
(1 - 65)

Cooler Receipt Form
STL Pittsburgh

Client: Forth & Van Dyke Project: _____ Quote: 7226

Cooler Rec'd & Opened for Temp. Check on: 6/30/06

Coolers Opened and Unpacked on: 6/30/06 By: PRF (Signature)

STL Pittsburgh Lot Number: C6F300227

		Yes	No
1.	Were custody seals on the outside of the cooler?	✓	
	If YES, how many and where? Quantity 1 Location front		
	Were signatures and date correct?	✓	
2.	Were custody papers included inside the cooler?	✓	
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓	
4.	Did you sign the custody papers in the appropriate place?	✓	
5.	Was shippers packing slip attached to this form?	✓	
6.	Were packing materials used?	✓	
	If YES, what type? Bubble Wrap		
7.	Were the samples chilled? (Record temperatures on reverse side.)	✓	
8.	Were the samples appropriately preserved?	N/A	
9.	Were all bottles sealed in separate plastic bags?		✓
10.	Did all bottles arrive in good condition (unbroken)?	✓	
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓	
12.	Did all bottle labels and/or tags agree with custody papers?	✓	
13.	Were correct bottles used for tests indicated?	✓	
14.	Were all VOA vials checked for the presence of air bubbles?	N/A	
15.	Was a sufficient amount of sample sent in each bottle?	✓	

16. Samples received by: FEDEX UPS CLIENT DROP-OFF OTHER DHL

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Cooler Receipt Form

STL Pittsburgh

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hrdnss PH<2	Cl_2 RES		

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

Cooler Number	Temperature*	Thermometer
1	2.1°	7
2	3.7°	8
3	2.3°	7

*Acceptable Temperature Range: 4°C ± 2°C

Sample	Lot Number**

**Please use an asterisk if bottle lot number was covered by the label

STL PT/Apr-05/96-005/COOL.DOC

DHL EXPRESS

FROM: SHIPPING DEPARTMENT
FOTH & VAN DYKE
2737 S. RIDGE ROAD
GREEN BAY, WI 54304
920-497-2500

WEIGHT(Lbs)
54

PIECES
1

TO. ANTHONY LEE
SEVERN TRENT LABORATORIES

301 ALPHA DRIVE

PITTSBURG, PA 15238
Ref: 06D006PIIDTSK31 TMK1
Phone: 920-497-2500

ZIPCODE
15238

ORIGIN SHIPMENT NO SHIP DATE
ATW 16811224651 2006-06-29
DESCRIPTION:

Worldwide EXPRESS

SERVICE
EXP
DTP 9Z

SPECIAL HANDLING SERVICES

16811224651

DHL EXPRESS

FROM: SHIPPING DEPARTMENT
FOTH & VAN DYKE
2737 S. RIDGE ROAD
GREEN BAY, WI 54304
920-497-2500

WEIGHT(Lbs)
58

PIECES
1

TO: ANTHONY LEE
SEVERN TRENT LABORATORIES

301 ALPHA DRIVE

PITTSBURG, PA 15238
Ref: 0GD00GPIIJTSK31 TMK1
Phone: 920-497-2500

ZIPCODE
15238

ORIGIN SHIPMENT NO SHIP DATE
ATW 16811143856 2006-06-29
DESCRIPTION:

Worldwide EXPRESS.

SERVICE
EXP
DTP 9Z

SPECIAL HANDLING SERVICES

16811143856

DHL EXPRESS

FROM: SHIPPING DEPARTMENT
FOTH & VAN DYKE
2737 S. RIDGE ROAD
GREEN BAY, WI 54304
920-497-2500

WEIGHT(Lbs)
45

PIECES
1

TO. ANTHONY LEE
SEVERN TRENT LABORATORIES

301 ALPHA DRIVE

PITTSBURG, PA 15238
Ref: 0GD00GPIIJTSK31 TMK1
Phone: 920-497-2500

ZIPCODE
15238

ORIGIN SHIPMENT NO SHIP DATE
ATW 16811191655 2006-06-29
DESCRIPTION:

Worldwide EXPRESS.

SERVICE
EXP
DTP 9Z

SPECIAL HANDLING SERVICES

16811191655

DATA SUMMARY PACKAGE

SIM
GC/MS SEMIVOLATILE SUMMARY

Foth & Van Dyke and Associates

Client Sample ID: EW-1/ES-1

LEACHATE GC/MS Semivolatiles

Lot-Sample #...:	C6F300227-001	Work Order #...:	H8JWM1AR	Matrix.....:	SOLID
Date Sampled...:	06/28/06 12:00	Date Received..:	06/30/06 09:45	MS Run #.....:	
Leach Date.....:	07/12/06	Prep Date.....:	07/14/06	Analysis Date..:	07/20/06
Leach Batch #..:	P619304	Prep Batch #...:	6195175	Analysis Time..:	16:48
Dilution Factor:	5	Initial Wgt/Vol:	100 mL	Final Wgt/Vol..:	0.5 mL
% Moisture.....:	78	Analyst ID.....:	003200	Instrument ID..:	MSD7
		Method.....:	SW846 8270C SIM		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	1.2	1.0	ug/L	0.19
Acenaphthylene	0.49 J	1.0	ug/L	0.18
Anthracene	1.3	1.0	ug/L	0.18
Benzo(a)anthracene	6.5	1.0	ug/L	0.11
Benzo(b)fluoranthene	9.1	1.0	ug/L	0.21
Benzo(k)fluoranthene	3.6	1.0	ug/L	0.30
Benzo(a)pyrene	4.8	1.0	ug/L	0.38
Benzo(ghi)perylene	7.9	1.0	ug/L	0.61
Chrysene	9.1	1.0	ug/L	0.17
Dibenzo(a,h)anthracene	1.6	1.0	ug/L	0.73
Fluoranthene	28	1.0	ug/L	0.13
Fluorene	1.9	1.0	ug/L	0.18
Indeno(1,2,3-cd)pyrene	6.5	1.0	ug/L	0.52
1-Methylnaphthalene	0.60 J	1.0	ug/L	0.16
2-Methylnaphthalene	1.3	1.0	ug/L	0.12
Naphthalene	1.9	1.0	ug/L	0.19
Phenanthrene	10	1.0	ug/L	0.20
Pyrene	13	1.0	ug/L	0.12

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	69	(23 - 115)
Terphenyl-d14	23	(10 - 115)
2-Fluorobiphenyl	73	(23 - 115)

NOTE(S):

J Estimated result. Result is less than RL.

SW846 8270C SIM SURROGATE RECOVERY

b Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

b Code: STLPIT SDG No:

t #: C6F300227

traction: XXAT6FX8G

CLIENT ID.	SRG01	SRG02	SRG03	TOT OUT
EW-1/ES-1	69	23	73	00
METHOD BLK. H88JT1AA	82	63	63	00
LCS H88JT1AC	77	58	66	00
LCSD H88JT1AD	54	63	73	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(23-115)
SRG02	= Terphenyl-d14	(10-115)
SRG03	= 2-Fluorobiphenyl	(23-115)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8270C SIM CHECK SAMPLE RECOVERY

› Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

› Code: STLPIT SDG No:

: #: C6G140000 WO #: H88JT1AC
BATCH: 6195175

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
ıcenaphthene	5.00	2.94	59	39- 118	
ʾyrene	5.00	3.22	64	46- 130	

NOTES(S):

alues outside of QC limits

ke Recovery: 0 out of 2 outside limits

MENTS:

FORM III

SW846 8270C SIM CHECK SAMPLE DUPLICATE RECOVERY

› Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

› Code: STLPIT SDG No:

: #: C6G140000 WO #: H88JT1AD
BATCH: 6195175

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
ıcenaphthene	5.00	2.99	60	39- 118	
ʼyrene	5.00	3.47	69	46- 130	

NOTES (S) :

alues outside of QC limits

ke Recovery: 0 out of 2 outside limits

MENTS:

FORM III

SW846 8270C SIM METHOD BLANK SUMMARY

BLANK WORKORDER NO.

H88JT1AA

Name: Severn Trent Laboratories, Inc.

Code: STLPIT

SDG Number:

File ID: M0720S01.

Lot Number: C6F300227

e Analyzed: 07/20/06

Time Analyzed: 15:23

rix: SOLID

Date Extracted: 07/14/06

Column: DB5MS ID: .25

Extraction Method:

trument ID: MSD7

Level: (low/med) LOW

S METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
EW-1/ES-1	H8JWM1AR	M0720S04.	07/20/06	16:48
CHECK SAMPLE	H88JT1AC C	M0720S02.	07/20/06	15:52
DUPLICATE CHECK	H88JT1AD L	M0720S03.	07/20/06	16:20

IENTS:

FORM IV

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C6F300227	Work Order #...: H88JT1AA	Matrix.....: SOLID
MB Lot-Sample #: C6G140000-175		
	Prep Date.....: 07/14/06	Analysis Time..: 15:23
Analysis Date..: 07/20/06	Prep Batch #...: 6195175	Final Wgt/Vol..: 1 mL
Dilution Factor: 1	Initial Wgt/Vol: 1000 mL	Instrument ID..: MSD7
	Analyst ID.....: 003200	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	0.20	ug/L	SW846 8270C SIM
Acenaphthylene	ND	0.20	ug/L	SW846 8270C SIM
Anthracene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C SIM
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C SIM
Chrysene	ND	0.20	ug/L	SW846 8270C SIM
Dibenzo(a,h)anthracene	ND	0.20	ug/L	SW846 8270C SIM
Fluoranthene	ND	0.20	ug/L	SW846 8270C SIM
Fluorene	ND	0.20	ug/L	SW846 8270C SIM
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C SIM
1-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C SIM
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C SIM
Naphthalene	ND	0.20	ug/L	SW846 8270C SIM
Phenanthrene	ND	0.20	ug/L	SW846 8270C SIM
Pyrene	ND	0.20	ug/L	SW846 8270C SIM

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(23 - 115)
Terphenyl-d14	63	(10 - 115)
2-Fluorobiphenyl	63	(23 - 115)

NOTE(S):

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6F300227

Lab File ID (Standard): M0720SC1 Date Analyzed: 07/20/06

Instrument ID: MSD7 Time Analyzed: 1455

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66568	5.07	209154	6.53	132281	9.14
	UPPER LIMIT	133136	5.57	418308	7.03	264562	9.64
	LOWER LIMIT	33284	4.57	104577	6.03	66141	8.64
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	61797	5.07	173685	6.53	82950	9.14
02	INTRA-LAB CH	68332	5.07	166390	6.53	77826	9.14
03	INTRA-LAB CH	56128	5.07	201863	6.53	107004	9.15
04	EW-1/ES-1	72388	5.07	142131	6.52	94365	9.14
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6F300227

Lab File ID (Standard): M0720SC1 Date Analyzed: 07/20/06

Instrument ID: MSD7 Time Analyzed: 1455

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	195887	11.70	155767	16.49	147739	19.06
	UPPER LIMIT	391774	12.20	311534	16.99	295478	19.56
	LOWER LIMIT	97944	11.20	77884	15.99	73870	18.56
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	161680	11.70	162527	16.49	131545	19.06
02	INTRA-LAB CH	154324	11.70	145427	16.49	144440	19.06
03	INTRA-LAB CH	188035	11.71	155542	16.50	127568	19.06
04	EW-1/ES-1	122753	11.70	192687	16.49	171170	19.05
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

page 1 of 1

FORM VIII SV

PESTICIDE SUMMARY

Foth & Van Dyke and Associates

Client Sample ID: EW-1/ES-1

LEACHATE GC Semivolatiles

Lot-Sample #...:	C6F300227-001	Work Order #...:	H8JWM1AT	Matrix.....:	SOLID
Date Sampled...:	06/28/06	Date Received..:	06/30/06	MS Run #.....:	
Leach Date.....:	07/12/06	Prep Date.....:	07/13/06	Analysis Date..:	07/17/06
Leach Batch #..:	P619304	Prep Batch #...:	6194485	Analysis Time..:	22:22
Dilution Factor:	10	Initial Wgt/Vol:	100 mL	Final Wgt/Vol..:	10 mL
% Moisture.....:	78	Analyst ID.....:	402331	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-Chlordane	ND	0.50	ug/L	0.24
4,4'-DDE	ND	0.50	ug/L	0.16
4,4'-DDT	ND	0.50	ug/L	0.17
Aldrin	ND	0.50	ug/L	0.19
gamma-Chlordane	ND	0.50	ug/L	0.15
Endrin	ND	0.50	ug/L	0.18

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	39	(31 - 131)
Decachlorobiphenyl	76	(18 - 145)

NOTE(S):

SW846 8081A SURROGATE RECOVERY

b Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

b Code: STLPIT SDG No:

t #: C6F300227

traction: XXAT7QJ8G

CLIENT ID.	SRG01	SRG02	TOT OUT
EW-1/ES-1	39	76	00
METHOD BLK. H87LN1AA	87	87	00
LCS H87LN1AC	89	88	00
LCSD H87LN1AD	87	86	00

SURROGATES		QC LIMITS
SRG01	= Tetrachloro-m-xylene	(31-131)
SRG02	= Decachlorobiphenyl	(18-145)

Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8081A CHECK SAMPLE RECOVERY

Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

Code: STLPIT SDG No:

#: C6G130000 WO #: H87LN1AC
BATCH: 6194485

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
amma-BHC (Lindane)	0.250	0.216	86	47- 130	
eptachlor	0.250	0.221	89	39- 126	
ldrin	0.250	0.208	83	39- 122	
ieldrin	0.250	0.230	92	45- 128	
ndrin	0.250	0.254	101	47- 133	
,4'-DDT	0.250	0.205	82	35- 144	

NOTES(S):

alues outside of QC limits

ke Recovery: 0 out of 6 outside limits

MENTS:

FORM III

SW846 8081A CHECK SAMPLE DUPLICATE RECOVERY

Name: Severn Trent Laboratories, Inc. Client: Foth & Van Dyke and Associates

Code: STLPIT SDG No:

#: C6G130000 WO #: H87LN1AD
BATCH: 6194485

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
amma-BHC (Lindane)	0.250	0.214	86	47- 130	
eptachlor	0.250	0.221	89	39- 126	
ldrin	0.250	0.206	82	39- 122	
ieldrin	0.250	0.226	90	45- 128	
ndrin	0.250	0.248	99	47- 133	
,4'-DDT	0.250	0.205	82	35- 144	

NOTES(S):

alues outside of QC limits

ke Recovery: 0 out of 6 outside limits

MENTS:

FORM III

BLANK WORKORDER NO.

H87LN1AA

SW846 8081A METHOD BLANK SUMMARY

Name: Severn Trent Laboratories, Inc.

Code: STLPIT

SDG Number:

File ID: H076252.d

Lot Number: C6F300227

rix: SOLID

Extraction Method:

Date Extracted: 07/13/06

e Analyzed(1): 07/17/06

Date Analyzed(2): N/A

e Analyzed(1): 22:51

Time Analyzed(2): N/A

trument ID(1): G/H

Instrument ID(2): N/A

Column(1): DB608/1701 ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
EW-1/ES-1	H8JWM1AT	07/17/06	N/A
CHECK SAMPLE	H87LN1AC C	07/17/06	N/A
DUPLICATE CHECK	H87LN1AD L	07/17/06	N/A

MENTS:

FORM IV

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C6F300227
MB Lot-Sample #: C6G130000-485

Work Order #...: H87LN1AA
Prep Date.....: 07/13/06
Prep Batch #...: 6194485
Initial Wgt/Vol: 1000 mL
Analyst ID.....: 402331

Matrix.....: SOLID
Analysis Time..: 22:51
Final Wgt/Vol..: 10 mL
Instrument ID..: G/H

Analysis Date..: 07/17/06
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aldrin	ND	0.050	ug/L	SW846 8081A
alpha-Chlordane	ND	0.050	ug/L	SW846 8081A
gamma-Chlordane	ND	0.050	ug/L	SW846 8081A
4,4'-DDE	ND	0.050	ug/L	SW846 8081A
4,4'-DDT	ND	0.050	ug/L	SW846 8081A
Endrin	ND	0.050	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(31 - 131)
Decachlorobiphenyl	87	(18 - 145)

NOTE(S):

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

METALS SUMMARY

Foth & Van Dyke and Associates

Client Sample ID: EW-1/ES-1

TOTAL Metals

Lot-Sample #...: C6F300227-001 Matrix.....: SOLID
Date Sampled...: 06/28/06 Date Received..: 06/30/06
Leach Date.....: 06/29/06 Leach Batch #..: P619304

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6197040						
Mercury	21.3	2.0	ug/L	SW846 7470A	07/17/06	H8JWM1AK
		Dilution Factor: 10		Analysis Time..: 10:48	Analyst ID.....: 031043	
		Instrument ID..: HGHYDRA		MS Run #.....: 6198007	MDL.....: 0.48	
Prep Batch #...: 6199423						
Arsenic	808	100	ug/L	SW846 6010B	07/18-07/21/06	H8JWM1AA
		Dilution Factor: 10		Analysis Time..: 12:28	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....:	MDL.....: 32.9	
Cadmium	12.5 B	50.0	ug/L	SW846 6010B	07/18-07/21/06	H8JWM1AC
		Dilution Factor: 10		Analysis Time..: 12:28	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....:	MDL.....: 7.0	
Chromium	1410	50.0	ug/L	SW846 6010B	07/18-07/21/06	H8JWM1AD
		Dilution Factor: 10		Analysis Time..: 12:28	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....:	MDL.....: 9.3	
Copper	2800	250	ug/L	SW846 6010B	07/18-07/21/06	H8JWM1AE
		Dilution Factor: 10		Analysis Time..: 12:28	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....:	MDL.....: 11.5	
Manganese	44400	150	ug/L	SW846 6010B	07/18-07/21/06	H8JWM1AJ
		Dilution Factor: 10		Analysis Time..: 12:28	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....:	MDL.....: 1.1	
Nickel	1060	400	ug/L	SW846 6010B	07/18-07/21/06	H8JWM1AF
		Dilution Factor: 10		Analysis Time..: 12:28	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....:	MDL.....: 12.3	
Lead	3420	30.0	ug/L	SW846 6010B	07/18-07/21/06	H8JWM1AG
		Dilution Factor: 10		Analysis Time..: 12:28	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....:	MDL.....: 15.9	
Zinc	9430 J	200	ug/L	SW846 6010B	07/18-07/21/06	H8JWM1AH
		Dilution Factor: 10		Analysis Time..: 12:28	Analyst ID.....: 022952	
		Instrument ID..: TRACEICP		MS Run #.....:	MDL.....: 16.9	

NOTE(S):

Leachate testing in accordance with USEPA Manual SW846 Method 1310

B Estimated result. Result is less than RL.

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: C6F300227 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: C6G160000-040 Prep Batch #...: 6197040						
Mercury	ND	0.20	ug/L	SW846 7470A	07/17/06	H9DGR1AD
		Dilution Factor: 1				
		Analysis Time..: 10:19		Analyst ID.....: 031043	Instrument ID..: HGH	
MB Lot-Sample #: C6G180000-423 Prep Batch #...: 6199423						
Arsenic	ND	10.0	ug/L	SW846 6010B	07/18-07/21/06	H9GV11AA
		Dilution Factor: 1				
		Analysis Time..: 12:11		Analyst ID.....: 022952	Instrument ID..: TRA	
Cadmium	ND	5.0	ug/L	SW846 6010B	07/18-07/21/06	H9GV11AC
		Dilution Factor: 1				
		Analysis Time..: 12:11		Analyst ID.....: 022952	Instrument ID..: TRA	
Chromium	ND	5.0	ug/L	SW846 6010B	07/18-07/21/06	H9GV11AD
		Dilution Factor: 1				
		Analysis Time..: 12:11		Analyst ID.....: 022952	Instrument ID..: TRA	
Copper	ND	25.0	ug/L	SW846 6010B	07/18-07/21/06	H9GV11AE
		Dilution Factor: 1				
		Analysis Time..: 12:11		Analyst ID.....: 022952	Instrument ID..: TRA	
Lead	ND	3.0	ug/L	SW846 6010B	07/18-07/21/06	H9GV11AG
		Dilution Factor: 1				
		Analysis Time..: 12:11		Analyst ID.....: 022952	Instrument ID..: TRA	
Manganese	ND	15.0	ug/L	SW846 6010B	07/18-07/21/06	H9GV11AJ
		Dilution Factor: 1				
		Analysis Time..: 12:11		Analyst ID.....: 022952	Instrument ID..: TRA	
Nickel	ND	40.0	ug/L	SW846 6010B	07/18-07/21/06	H9GV11AF
		Dilution Factor: 1				
		Analysis Time..: 12:11		Analyst ID.....: 022952	Instrument ID..: TRA	
Zinc	**4.8 B**	**20.0**	**ug/L**	**SW846 6010B**	**07/18-07/21/06**	**H9GV11AH**
		Dilution Factor: 1				
		Analysis Time..: 12:11		Analyst ID.....: 022952	Instrument ID..: TRA	

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: C6F300227 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	101	(80 - 120)			SW846 6010B	07/18-07/21/06	6199423
	101	(80 - 120)	0.53	(0-20)	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1			Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA					
Cadmium	103	(80 - 120)			SW846 6010B	07/18-07/21/06	6199423
	102	(80 - 120)	1.1	(0-20)	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1			Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA					
Chromium	103	(80 - 120)			SW846 6010B	07/18-07/21/06	6199423
	102	(80 - 120)	0.73	(0-20)	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1			Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA					
Copper	104	(80 - 120)			SW846 6010B	07/18-07/21/06	6199423
	103	(80 - 120)	0.69	(0-20)	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1			Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA					
Lead	102	(80 - 120)			SW846 6010B	07/18-07/21/06	6199423
	102	(80 - 120)	0.69	(0-20)	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1			Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA					
Manganese	102	(80 - 120)			SW846 6010B	07/18-07/21/06	6199423
	102	(80 - 120)	0.60	(0-20)	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1			Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA					
Nickel	104	(80 - 120)			SW846 6010B	07/18-07/21/06	6199423
	103	(80 - 120)	0.68	(0-20)	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1			Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA					
Zinc	104	(80 - 120)			SW846 6010B	07/18-07/21/06	6199423
	104	(80 - 120)	0.03	(0-20)	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1			Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: C6F300227 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: C6F300227 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Arsenic	2000	2030	ug/L	101		SW846 6010B	07/18-07/21/06	6199423
	2000	2020	ug/L	101	0.53	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1				Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA						
Cadmium	50.0	51.7	ug/L	103		SW846 6010B	07/18-07/21/06	6199423
	50.0	51.1	ug/L	102	1.1	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1				Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA						
Chromium	200	205	ug/L	103		SW846 6010B	07/18-07/21/06	6199423
	200	204	ug/L	102	0.73	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1				Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA						
Copper	250	260	ug/L	104		SW846 6010B	07/18-07/21/06	6199423
	250	258	ug/L	103	0.69	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1				Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA						
Lead	500	512	ug/L	102		SW846 6010B	07/18-07/21/06	6199423
	500	508	ug/L	102	0.69	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1				Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA						
Manganese	500	512	ug/L	102		SW846 6010B	07/18-07/21/06	6199423
	500	509	ug/L	102	0.60	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1				Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA						
Nickel	500	518	ug/L	104		SW846 6010B	07/18-07/21/06	6199423
	500	514	ug/L	103	0.68	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1				Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA						
Zinc	500	521	ug/L	104		SW846 6010B	07/18-07/21/06	6199423
	500	520	ug/L	104	0.03	SW846 6010B	07/18-07/21/06	6199423
		Dilution Factor: 1				Analysis Time..: 12:16	Analyst ID.....: 022952	
		Instrument ID..: TRA						

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: C6F300227 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: C6F300227 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C6G160000-040 Prep Batch #...: 6197040					
Mercury	96	(80 - 120)	SW846 7470A	07/17/06	H9DGR1AE
		Dilution Factor: 1	Analysis Time..: 10:20		Analyst ID.....: 031043
		Instrument ID..: HGHYDRA			

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: C6F300227 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: C6G160000-040 Prep Batch #...: 6197040							
Mercury	2.50	2.40	ug/L	96	SW846 7470A	07/17/06	H9DGR1AE

Dilution Factor: 1 Analysis Time..: 10:20 Analyst ID.....: 031043
Instrument ID..: HGHYDRA

NOTE(S):

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

GENERAL CHEMISTRY SUMMARY

Foth&VanDyke Lake Nagawicka

TOC

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 415.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300227
Matrix:	SOLID		

lodified Elutriate Procedure(TOT) -> No Sample Pre

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
W-1/ES-1	C6F300227 001	H6JWM1AN	44.1	mg/L	10.0	10	7/18/2006 - 7/18/2006 00:00	6200022

Foth&VanDyke Lake Nagawicka

Biochemical Oxygen Demand

Lab Name:	STL PITTSBURGH	Method:	MCAWW 405.1
Client Name:	Foth & Van Dyke and Associates	Lot Number:	C6F300227
Matrix:	SOLID		

lodified Elutriate Procedure(TOT) -> No Sample Pre

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
W-1/ES-1	C6F300227 001	H8JWM1A	347	mg/L	2.0	1	7/13/2006 - 7/18/2006 14:30	6194330

Foth&VanDyke Lake Nagawicka

Nitrate/Nitrite as N

Lab Name: STL PITTSBURGH

Client Name: Foth & Van Dyke and Associates

Matrix: SOLID

Method: MCAWW 353.2

Lot Number: C6F300227

Modified Elutriate Procedure(TOT) -> Reduction

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
W-1/ES-1	C6F300227 001	H8JWM1A	ND	mg/L	0.10	1	7/25/2006 - 7/25/2006 18:00	6206463

Foth&VanDyke Lake Nagawicka

Ammonia Nitrogen

ab Name:	STL PITTSBURGH	Method:	MCAWW 350.1
lient Name:	Foth & Van Dyke and Associates	Lot Number:	C6F300227
latrix:	SOLID		

odified Elutriate Procedure(TOT) -> No Sample Pre

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
V-1/ES-1	C6F300227 001	H8JWM1AL	38.9 J	mg/L	1.0	10	7/13/2006 - 7/14/2006 00:00	6194555

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

Foth&VanDyke Lake Nagawicka

Total Kjeldahl Nitrogen

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 351.3
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300227
Matrix:	SOLID		

Modified Elutriate Procedure(TOT) -> No Sample Pre

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300227 001	H8JWM1AP	643	mg/L	30.0	10	7/19/2006 - 7/20/2006 00:00	6201427

Foth&VanDyke Lake Nagawicka

pH

Lab Name:	STL PITTSBURGH	**Method:**	SW846 9040B
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300227
Matrix:	SOLID		

Modified Elutriate Procedure(TOT) -> No Sample Pre

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
W-1/ES-1	C6F300227 001	H8JWM1AV	7.5	No Units	0.10	1	7/15/2006 - 7/15/2006 15:04	6196052

Foth&VanDyke Lake Nagawicka

Total phosphorus

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 365.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300227
Matrix:	SOLID		

Modified Elutriate Procedure(TOT) -> No Sample Pre

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
:W-1/ES-1	C6F300227 001	H8JWM1A	75.9	mg/L	10.0	100	7/25/2006 - 7/25/2006 00:00	6206625

Foth&VanDyke Lake Nagawicka

Percent Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.3 MOD
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300227
Matrix:	SOLID		

Total Residue as Percent Solids

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
EW-1/ES-1	C6F300227 001	H8JWM1AX	21.5	%	1.0	1	6/30/2006 - 7/1/2006 06:00	6181503

Foth&VanDyke Lake Nagawicka

Total Suspended Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.2
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6F300227
Matrix:	SOLID		

odified Elutriate Procedure(TOT) -> No Sample Pre

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
W-1/ES-1	C6F300227 001	H6JWM1AU	143000	mg/L	200	50	7/13/2006 - 7/13/2006 00:00	6194046

Foth&VanDyke Lake Nagawicka

TOC

Lab Name:	STL PITTSBURGH	Method:	MCAWW 415.1
Client Name:	Foth & Van Dyke and Associates	Report ID:	C6F300227
Matrix:	SOLID	Date/Time Received:	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C6G190000022B	022 MB	H9HN01AA	ND	mg/L	1.0	7/18/2006 - 7/18/2006	6200022	

Foth&VanDyke Lake Nagawicka

Biochemical Oxygen Demand

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 405.1
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300227
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C6G130000330B	330 MB	H9GA81AA	ND	mg/L	2.0	7/13/2006 - 7/18/2006	6194330	

Foth&VanDyke Lake Nagawicka

Nitrate/Nitrite as N

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 353.2
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300227
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C6G250000483B	483 MB	H91E91AA	ND	mg/L	0.10	7/25/2006 - 7/25/2006	6206483	

Foth&VanDyke Lake Nagawicka

Ammonia Nitrogen

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 350.1
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300227
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C6G130000555B	555 MB	H87291AA	0.054 B	mg/L	0.10	7/13/2006 - 7/14/2006	6194555	

B Estimated result. Result is less than RL

Foth&VanDyke Lake Nagawicka

Total Kjeldahl Nitrogen

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 351.3
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300227
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - A6G200000427B	427 MB	H9M261AA	ND	mg/L	3.0	7/19/2006 - 7/20/2006	6201427	

Foth&VanDyke Lake Nagawicka

pH

Lab Name:	STL PITTSBURGH	**Method:**	SW846 9040B
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300227
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
EW-1/ES-1 DUP	001 DUP	H8JWM1A2	7.5	No Units	0.10	7/15/2006 - 7/15/2006	6196052	0.13 / 2.0

Foth&VanDyke Lake Nagawicka

Total phosphorus

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 365.1
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300227
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - A6G250000625B	625 MB	H90741AA	ND	mg/L	0.10	7/25/2006 - 7/25/2006	6206625	

Foth&VanDyke Lake Nagawicka

Percent Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.3 MOD
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300227
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:15:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
NTRA-LAB QC	001 DUP	H8H3R1AD	80.2	%	1.0	6/30/2006 - 7/1/2006	6181503	0.18 / 20

Foth&VanDyke Lake Nagawicka

Total Suspended Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.2
Client Name:	Foth & Van Dyke and Associates	**Report ID:**	C6F300227
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
EW-1/ES-1 DUP	001 DUP	H8JWM1A1	141000	mg/L	200	7/13/2006 - 7/13/2006	6194046	1.1 / 20
BLK - C6G130000046B	046 MB	H85DW1AA	ND	mg/L	4.0	7/13/2006 - 7/13/2006	6194046	

Foth&VanDyke Lake Nagawicka

TOC

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 415.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G190000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H9HN01AC	99	80 - 120	7/18/2006 - 7/18/2006	6200022	0.50 / 10
DUPLICATE CHECK	LCSD	H9HN01AD	98	80 - 120	7/18/2006 - 7/18/2006	6200022	0.50 / 10

Foth&VanDyke Lake Nagawicka

Biochemical Oxygen Demand

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 405.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G130000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
DUPLICATE CHECK	LCSD	H9GA81AD	98	85 - 115	7/13/2006 - 7/18/2006	6194330	3.0 / 20
CHECK SAMPLE	LCS	H9GA81AC	101	85 - 115	7/13/2006 - 7/18/2006	6194330	3.0 / 20

Foth&VanDyke Lake Nagawicka

Nitrate/Nitrite as N

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 353.2
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G250000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H91E91AC	100	90 - 110	7/25/2006 - 7/25/2006	6206483	
EW-1/ES-1	MS	H8JWM1A3	62 N	90 - 110	7/25/2006 - 7/25/2006	6206483	1.9 / 20
EW-1/ES-1	MSD	H8JWM1A4	61 N	90 - 110	7/25/2006 - 7/25/2006	6206483	1.9 / 20

N Spiked analyte recovery is outside stated control limits.

Foth&VanDyke Lake Nagawicka

Ammonia Nitrogen

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 350.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G130000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
DUPLICATE CHECK	LCSD	H87291AD	104	90 - 110	7/13/2006 - 7/14/2006	6194555	6.8 / 10
CHECK SAMPLE	LCS	H87291AC	97	90 - 110	7/13/2006 - 7/14/2006	6194555	6.8 / 10

Foth&VanDyke Lake Nagawicka

Total Kjeldahl Nitrogen

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 351.3
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	A6G200000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H9M261AC	100	65 - 144	7/19/2006 - 7/20/2006	6201427	
LAB MS/MSD	MS	H859F1AE	97	10 - 200	7/19/2006 - 7/20/2006	6201424	0.0 / 20
LAB MS/MSD	MSD	H859F1AF	97	10 - 200	7/19/2006 - 7/20/2006	6201424	0.0 / 20

Foth&VanDyke Lake Nagawicka

pH

Lab Name:	STL PITTSBURGH	**Method:**	SW846 9040B
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G150000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H9DA21AA	100	99 - 101	7/15/2006 - 7/15/2006	6196052	

Foth&VanDyke Lake Nagawicka

Total phosphorus

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 365.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	A6G250000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H90741AC	100	53 - 134	7/25/2006 - 7/25/2006	6206625	

Foth&VanDyke Lake Nagawicka

Total Suspended Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.2
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	C6G130000
Matrix:	SOLID	**Date/Time Received:**	6/30/2006 9:45:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	H85DW1AC	81	80 - 120	7/13/2006 - 7/13/2006	6194046	

Foth&VanDyke Lake Nagawicka

Total phosphorus

Lab Name:	STL NORTH CANTON	**Method:**	MCAWW 365.1
Client Name:	Foth & Van Dyke and Associates	**Lot Number:**	A6G130150
Matrix:	WATER	**Date/Time Received:**	7/13/2006 9:20:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
LAB MS/MSD	MSD	H85RF1FK	107	10 - 199	7/25/2006 - 7/25/2006	6206602	0.61 / 46
LAB MS/MSD	MS	H85RF1FJ	108	10 - 199	7/25/2006 - 7/25/2006	6206602	0.61 / 46

G-5

Geotechnical Test Results

USFilter
A Siemens Business

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.enviroscan.usfilter.com

August 22, 2006

Foth & Van Dyke Engineers
2737 Ridge Road
Green Bay, WI 54307

Attn: Steve Dischler

REPORT NO.: 0606402 - Revised **PROJECT NO.: 06D006**

Please find enclosed the analytical report, including the Sample Summary, Sample Narrative and Chain of Custody for your sample set received June 30, 2006. 0606402-07 and 0606402-08: Hydrometer sieve analysis added per the request of the client.

All analyses were performed in accordance with NELAC Standards using approved methods as indicated on this report.

If you have any questions about the results, please call. Thank you for using USFilter, Enviroscan Services for your analytical needs.

Sincerely,

USFilter, Enviroscan Services

Eric A Lorge

Eric Lorge
Client Services Manager

I certify that the data contained in this report has been generated and reviewed in accordance with the USFilter, Enviroscan Services Quality Assurance Program. Exceptions, if any, are discussed in the sample narrative. Samples will be retained for 30 days from the date of this report, then disposed in an appropriate manner. USFilter, Enviroscan Services reserves the right to return samples identified as hazardous. Release of this Final Report is authorized as verified by the following signature.

Approved by: James R. Salkowski

Certifications:
Wisconsin 737053130
Minnesota 055-999-302
Illinois 100317

ACCREDITED IN ACCORDANCE WITH nelac

The total number of pages in this report, including this page is 10.

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.enviroscan.usfilter.com

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SAMPLE SUMMARY

Lab Id	Client Sample Id	Date/Time	Matrix
0606402-01	HL (1-4) A	06/29/06 13:27	Soil
0606402-02	HLN (1-2) A	06/29/06 13:35	Soil
0606402-03	MF (1-2) A	06/29/06 15:00	Soil
0606402-04	HL (1-4) B	06/29/06 13:20	Soil
0606402-05	HLN (1-2) B	06/29/06 13:45	Soil
0606402-06	MF (1-2) B	06/29/06 14:20	Soil
0606402-07	BRI (1-3) A	06/29/06 16:00	Solid
0606402-08	BRI (1-3) B	06/29/06 16:00	Solid

ENVIROSCAN SERVICES
301 WEST MILITARY ROAD
ROTHSCHILD, WI 54474

TELEPHONE 800-338-7226
FACSIMILE 715-355-3221
WEBSITE www.enviroscan.usfilter.com

A Siemens Business

Sample Narrative

0606402-07 and 0606402-08: Hydrometer sieve analysis added per the request of the client.

MAXIM TECHNOLOGIES INC

Maxim Technologies
555 South 72nd Avenue
Wausau, WI 54401
Telephone: (715) 845-4100
FAX: (715) 842-0381

REPORT OF HYDROMETER ANALYSIS WITH SIEVE

CLIENT: US FILTER
ATTN: ERIC LORGE
301 W MILITARY ROAD
ROTHSCHILD, WI 54474

PROJECT: 2005 CONSTRUCTION PROJECTS

ROTHSCHILD, WISCONSIN

PROJECT NO.: 5340186
REPORT NO.: W95156
DATE OF SERVICE: 8/03/2006
AUTHORIZATION: CLIENT
REPORT DATE: 8/08/2006

SERVICES: Perform hydrometer analysis on two samples obtained by US Filter on 8/3/06 from project site.

REPORT OF TESTS

See attached sieve analysis report for the test results.

Technician: ERIC DOBBE
ENGINEERING TECHNICIAN

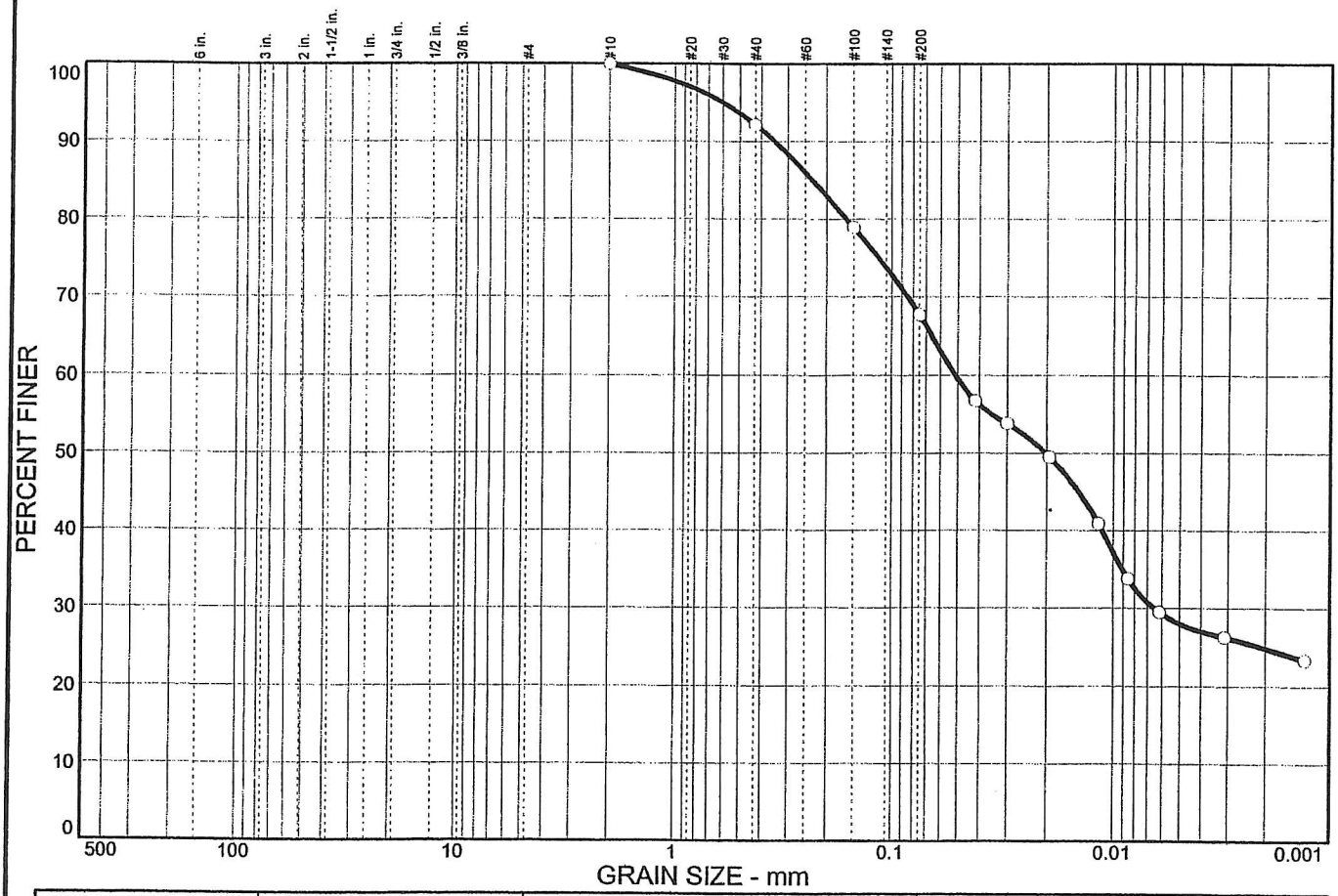
Report Distribution:
(1) US FILTER

MAXIM TECHNOLOGIES INC.

PAUL MICHLIG
CME SUPERVISOR

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full without the approval of the testing laboratory. The use of our name must receive our written approval. Our letters and reports apply only to the sample tested and/or inspected, and are not indicative of the quantities of apparently identical or similar products.

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.0	7.8	24.5	39.7	28.0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#40	92.2		
#100	78.9		
#200	67.7		

* (no specification provided)

Soil Description

Atterberg Limits

PL= - LL= - PI= -

Coefficients

D_{85}= 0.231 D_{60}= 0.0513 D_{50}= 0.0202
D_{30}= 0.0065 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

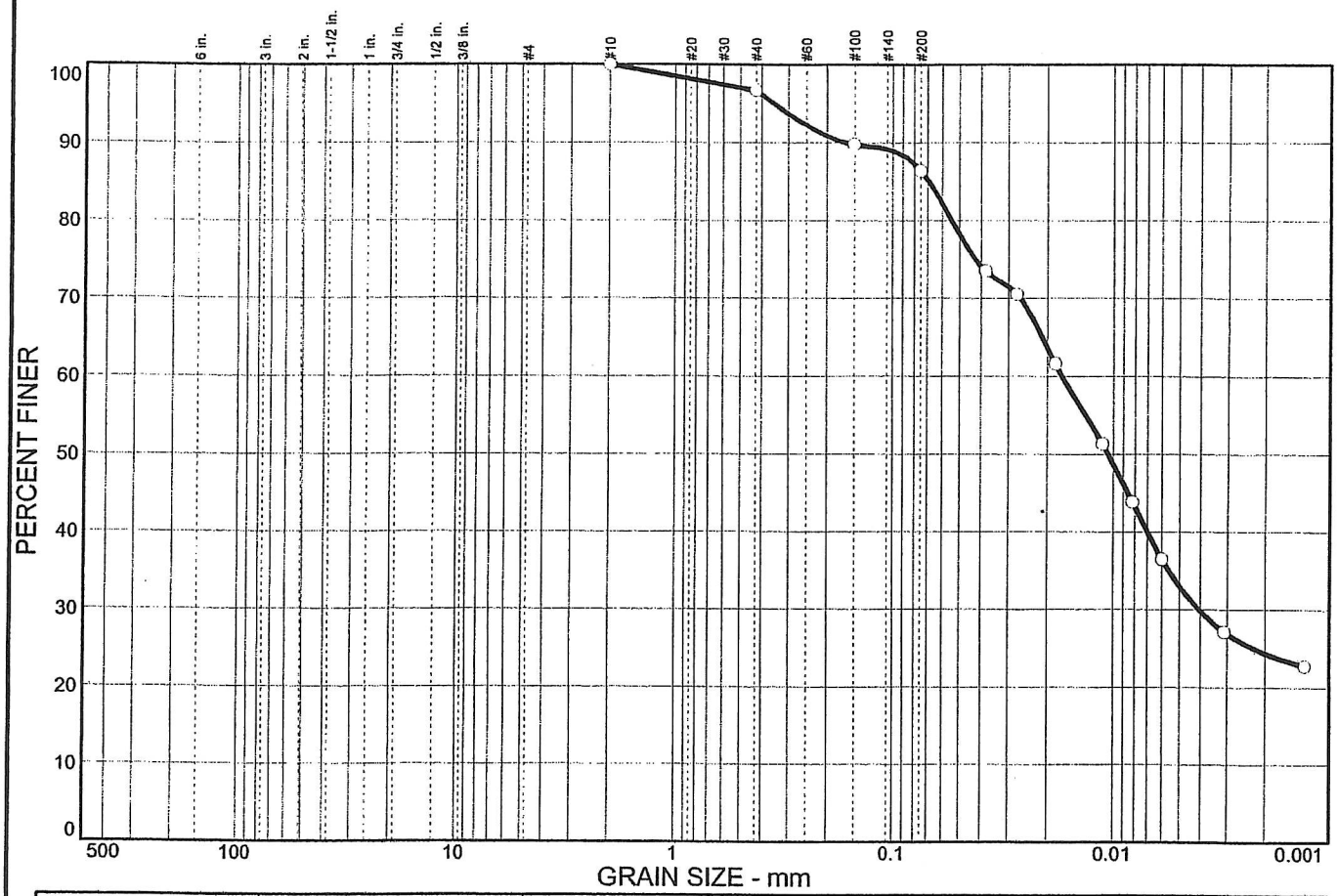
Remarks

Sample No.: BR1 (1-3)A **Source of Sample:** **Date:** 8-3-06
Location: NAGAWICKA LAKE **Elev./Depth:** -

MAXIM TECHNOLOGIES

Client: US FILTER
Project: 2006 CONSTRUCTION PROJECTS
NAGAWICKA LAKE SEDIMENT
Project No: 5340186 **Figure** A

Particle Size Distribution Report



% COBBLES	% GRAVEL		% SAND			% FINES	
	CRS.	FINE	CRS.	MEDIUM	FINE	SILT	CLAY
0.0	0.0	0.0	0.0	3.3	10.3	53.4	33.0

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#40	96.7		
#100	89.8		
#200	86.4		

* (no specification provided)

Soil Description

Atterberg Limits

PL= - LL= - PI= -

Coefficients

D_{85}= 0.0689 D_{60}= 0.0171 D_{50}= 0.0106
D_{30}= 0.0041 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

Sample No.: BR1 (1-3)B **Source of Sample:** **Date:** 8-3-06
Location: NAGAWICKA LAKE **Elev./Depth:** -

MAXIM TECHNOLOGIES

Client: US FILTER
Project: 2006 CONSTRUCTION PROJECTS
NAGAWICKA LAKE SEDIMENT
Project No: 5340186 **Figure** B

REQUEST FOR SERVICES

USFilter
A Siemens Business

ENVIROSCAN SERVICES 301 W. MILITARY RD. ROTHSCHILD, WI 54474 1-800-338-SCAN

REPORT TO:
Name: Steve Dischler
Company: Foth & VanDyke
Address: 2737 S. Ridge Rd
Green Bay, WI 54307
Phone: (920) 497-2500
P.O.# _____
Project # 06D006 Quote # _____
Location City of Delafield

BILL TO: (if different from Report To info)
Name: _____
Company: _____
Address: _____
Phone: (_____) _____

Sample Type
(Check all that apply)
- ☐ Groundwater
- ☐ Wastewater
- ☒ Soil/Solid
- ☐ Drinking Water
- ☐ Oil
- ☐ Vapor
- ☐ Other

Turnaround Time
- ☒ Normal
- ☐ Rush (Pre-approved by Lab)

Date Needed _____
Approved By _____

0606702

ANALYTICAL REQUESTS
(use separate sheet if necessary)

LAB USE ONLY	DATE	TIME	No. of Containers COMP	No. of Containers GRAB	SAMPLE ID	Arsenic, Copper, Lead, Zinc, Pesticides (Knobe)	Organic content, 137 PCBs, Grain size (sieve & hydrometer)	See attached			REMARKS
-1	6/29/06	13:27	X		HL-(1-4)A	1	1			1-literamber	
-2	6/29/06	13:35	X		HLN-(1-2)A	1	1				If not enough sample in amber jar, take from plastic bag
-3	6/29/06	15:00	X		MF-(1-2)A	1	1				
-4	6/29/06	13:20	X		HL-(1-4)B		1		1 plastic bag of soil + 1-1 sump		
-5	6/29/06	13:45	X		HLN-(1-2)B		1				
-6	6/29/06	14:20	X		MF-(1-2)B		1				
-7	6/29/06	16:00	X		BRI-(1-3)A			3	3-literamber		Sediment
-8	6/29/06	16:00	X		BRI-(1-3)B			3			Sediment
											Samples were collected @ 11:00PM on 6/28/06

Del'v: Hand Comm.
Ship. Cont. OK (Y) N N/A
Samples leaking? (Y) N N/A
Seals OK? (Y) N N/A
Rec'd on ice? (Y) N N/A °C

Comments: delivered by D/FL
7-5-06 Sent Pest/TOC to STL-Chicago - sent w/list
gr. size w/ hydrometer to Martin Marietta

CHAIN OF CUSTODY RECORD

SAMPLERS: *(Signature)* Tara Konkle

RELINQUISHED BY: *(Signature)*	DATE/TIME	RECEIVED BY: *(Signature)*
Tara Konkle	6/29/06 16:30	
RELINQUISHED BY: *(Signature)*	DATE/TIME	RECEIVED BY: *(Signature)*
RELINQUISHED BY: *(Signature)*	DATE/TIME	RECEIVED FOR LABORATORY BY: *(Signature)* / DATE/TIME
		Tim Anderson 6-30-06 1132

MAXIM TECHNOLOGIES INC

Maxim Technologies
555 South 72nd Avenue
Wausau, WI 54401
Telephone: (715) 845-4100
FAX: (715) 842-0381

REPORT OF HYDROMETER WITH SIEVE ANALYSIS

CLIENT: US FILTER
ATTN: ERIC LORGE
301 W MILITARY ROAD
ROTHSCHILD, WI 54474

PROJECT: 2006 CONSTRUCTION PROJECTS
US FILTER JOB #0606402

PROJECT NO.: 5340186
REPORT NO.: W94757
DATE OF SERVICE: 7/06/2006
AUTHORIZATION: CLIENT
REPORT DATE: 7/19/2006

SERVICES: Perform hydrometer with sieve analysis on six samples obtained by U.S. Filter on 7/3/06 from project site.

REPORT OF TESTS

See attached sieve analysis reports for the test results.

Technician: ERIC DOBBE
ENGINEERING TECHNICIAN

Report Distribution:
(1) US FILTER

MAXIM TECHNOLOGIES INC.

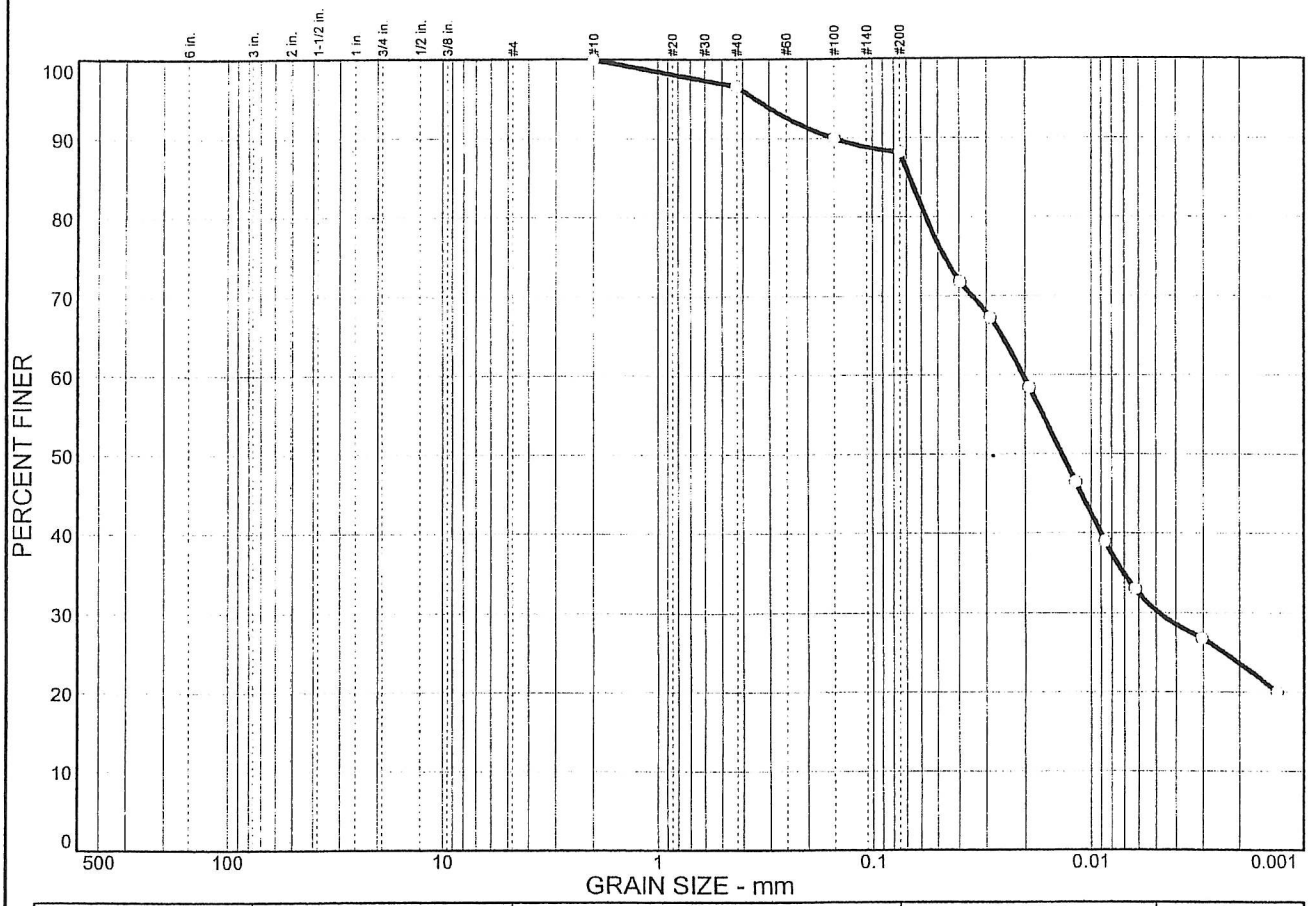
PAUL MICHLIG
CME SUPERVISOR

1099 PZ

Our letters and reports are for the exclusive use of the client to whom they are addressed and shall not be reproduced except in full without the approval of the testing laboratory. The use of our name must receive our written approval. Our letters and reports apply only to the sample tested and/or inspected, and are not indicative of the quantities of apparently identical or similar products.

HL (1-4)A

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	11.8	57.8	30.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#40	96.6		
#100	90.0		
#200	88.2		

* (no specification provided)

Soil Description

Atterberg Limits

PL= - LL= - PI= -

Coefficients

D_{85}= 0.0675 D_{60}= 0.0204 D_{50}= 0.0135
D_{30}= 0.0048 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

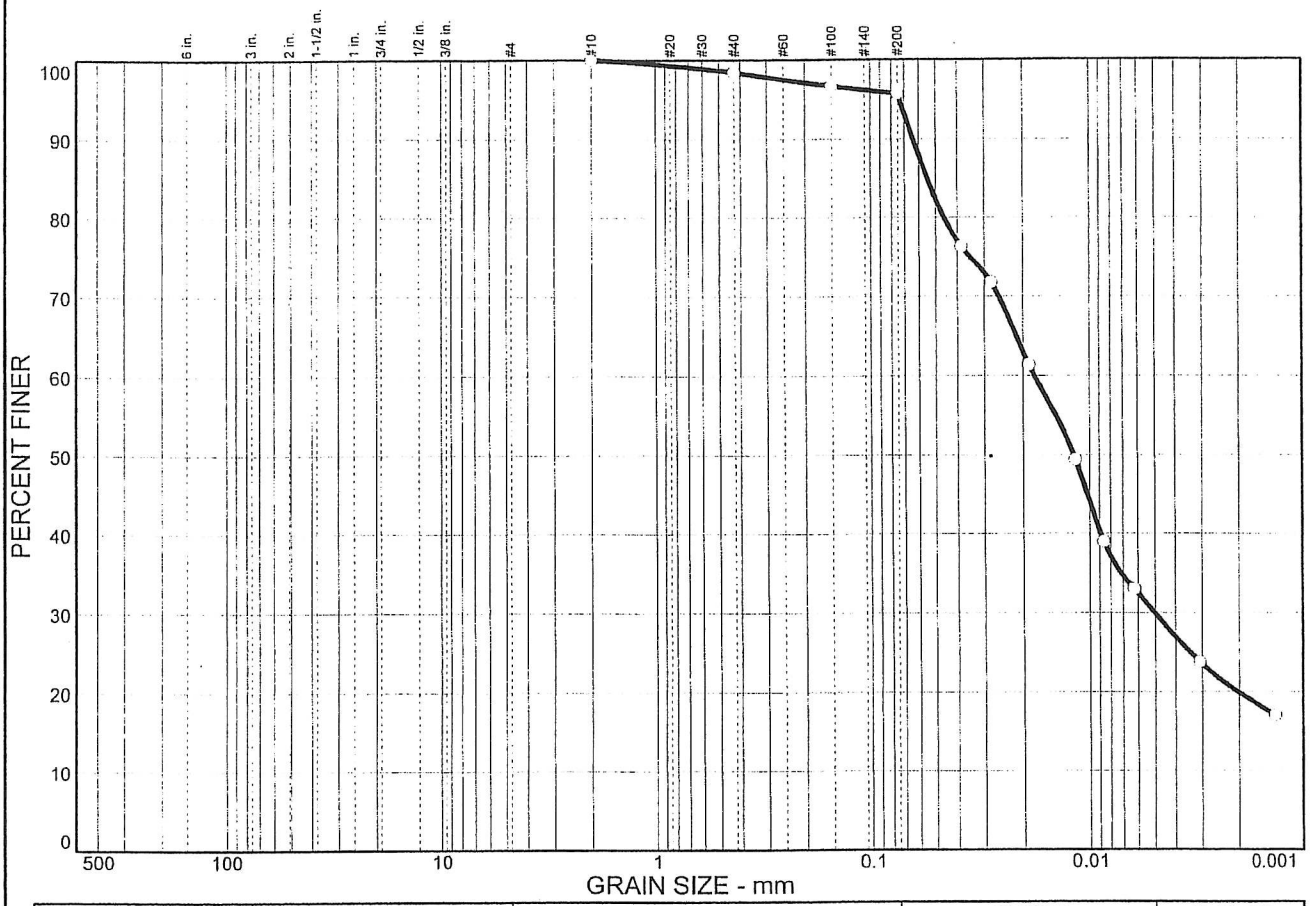
Sample No.: 0606402-01 **Source of Sample:** **Date:** 7-6-06
Location: **Elev./Depth:** -

MAXIM TECHNOLOGIES

Client: US FILTER
Project: 2006 CONSTRUCTION PROJECTS
US FILTER JOB# 0606402
Project No: 5340186 **Figure**

HLN(1-2)A

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	4.3	65.8	29.9

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#40	98.5		
#100	96.7		
#200	95.7		

* (no specification provided)

Soil Description

Atterberg Limits

PL= - LL= - PI= -

Coefficients

D_{85}= 0.0547 D_{60}= 0.0178 D_{50}= 0.0118
D_{30}= 0.0050 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

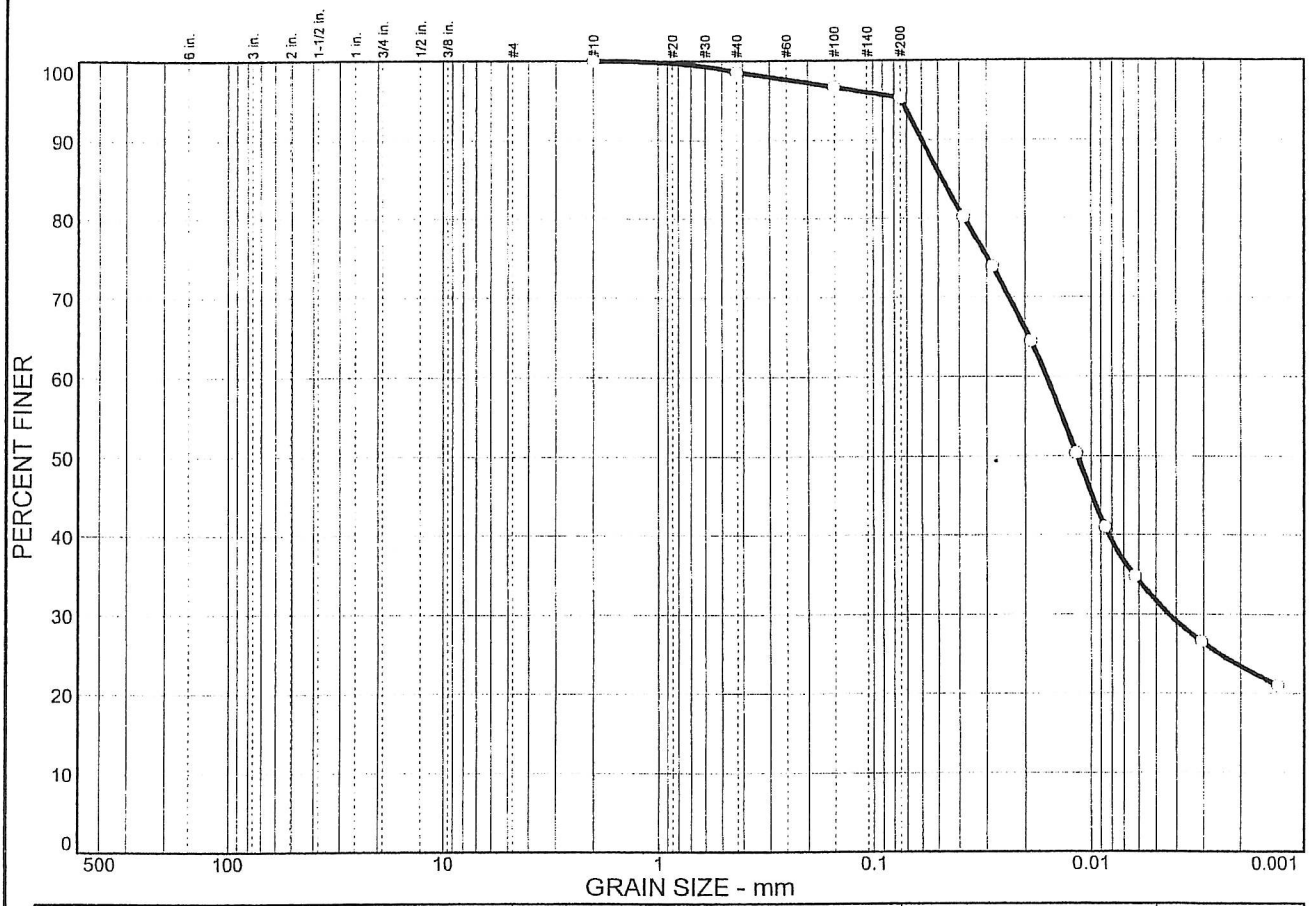
Sample No.: 0606402-02 **Source of Sample:** **Date:** 7-6-06
Location: **Elev./Depth:** -

MAXIM TECHNOLOGIES

Client: US FILTER
Project: 2006 CONSTRUCTION PROJECTS
US FILTER JOB# 0606402
Project No: 5340186 **Figure**

MF (1-2) A

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	4.7	63.6	31.7

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#40	98.6		
#100	96.7		
#200	95.3		

* (no specification provided)

Soil Description

Atterberg Limits

PL= - LL= - PI= -

Coefficients

D_{85}= 0.0479 D_{60}= 0.0159 D_{50}= 0.0115
D_{30}= 0.0043 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

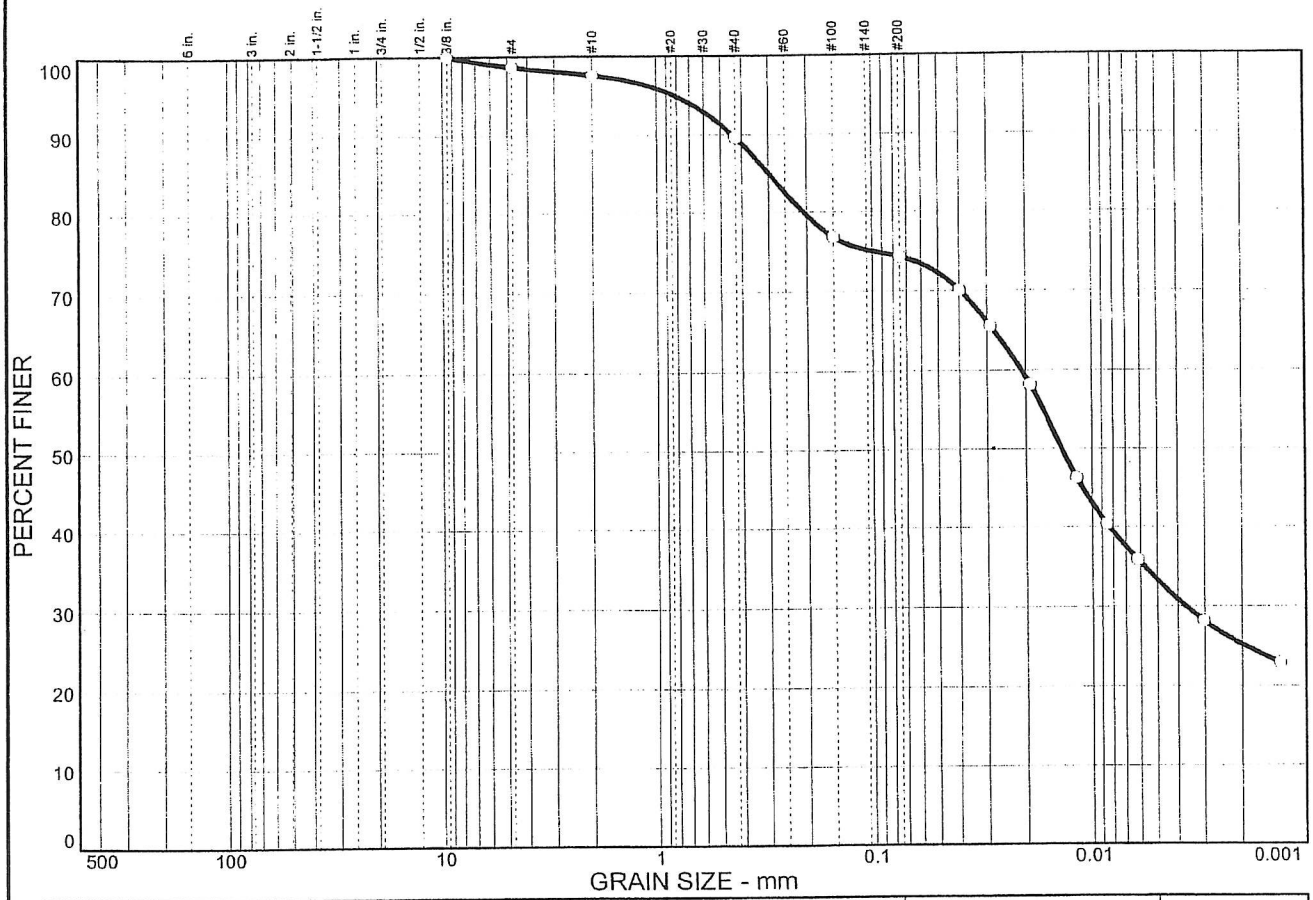
Sample No.: 0606402-03 **Source of Sample:** **Date:** 7-6-06
Location: **Elev./Depth:** -

MAXIM TECHNOLOGIES

Client: US FILTER
Project: 2006 CONSTRUCTION PROJECTS
US FILTER JOB# 0606402
Project No: 5340186 **Figure**

HL (1-4)B

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	1.3	24.4	40.9	33.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375 in.	100.0		
#4	98.7		
#10	97.6		
#40	89.6		
#100	76.8		
#200	74.3		

* (no specification provided)

Soil Description

Atterberg Limits

PL= - LL= - PI= -

Coefficients

D_{85}= 0.299 D_{60}= 0.0208 D_{50}= 0.0137
D_{30}= 0.0037 D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

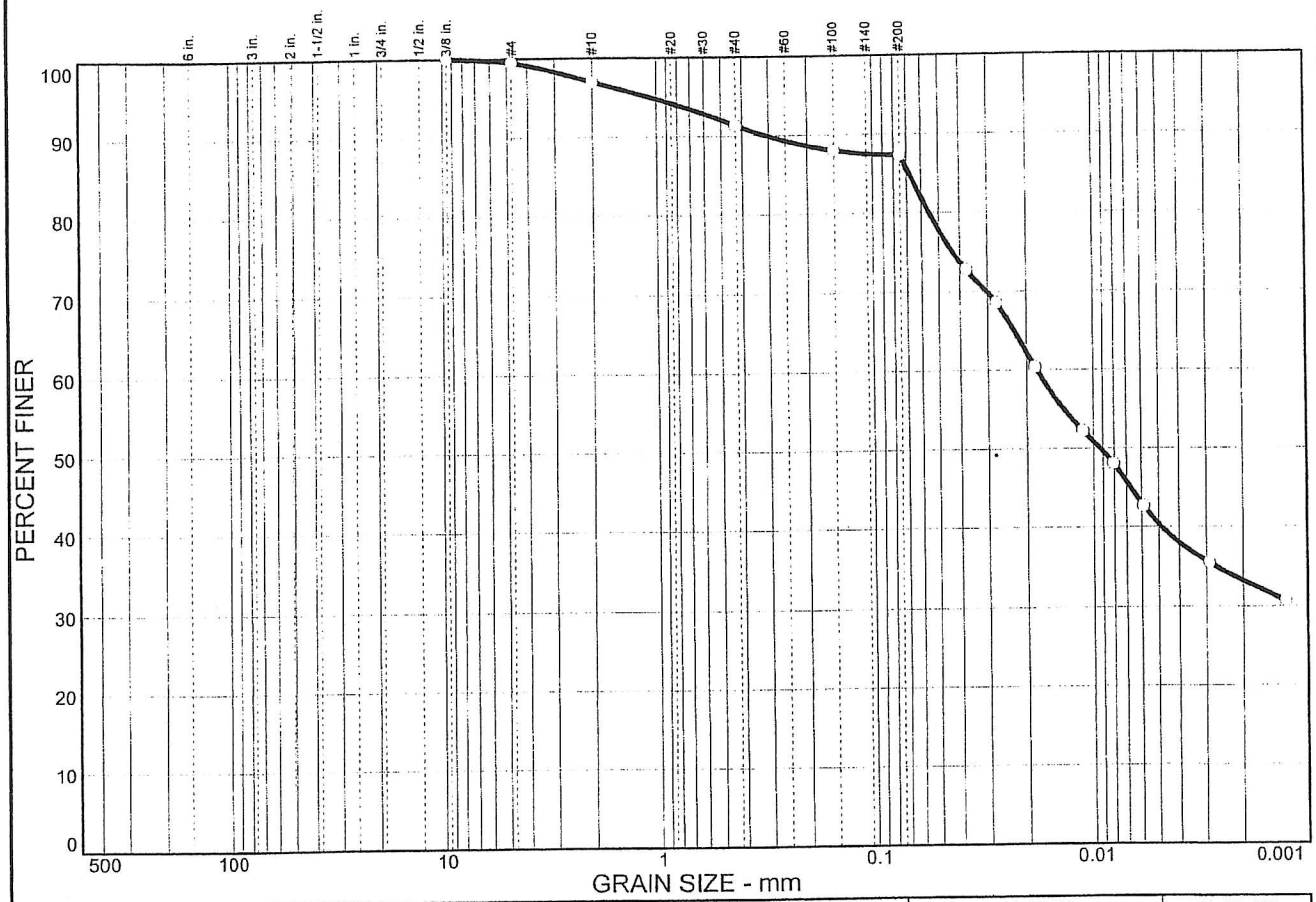
Sample No.: 0606402-04 **Source of Sample:** **Date:** 7-6-06
Location: **Elev./Depth:** -

MAXIM TECHNOLOGIES

Client: US FILTER
Project: 2006 CONSTRUCTION PROJECTS
US FILTER JOB# 0606402
Project No: 5340186 **Figure**

_N (1-2) B

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.5	12.2	46.9	40.4

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
.375 in.	100.0		
#4	99.5		
#10	97.0		
#40	91.3		
#100	88.0		
#200	87.3		

* (no specification provided)

Soil Description

Atterberg Limits

PL= - LL= - PI= -

Coefficients

D_{85}= 0.0683 D_{60}= 0.0180 D_{50}= 0.0093
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= ML AASHTO=

Remarks

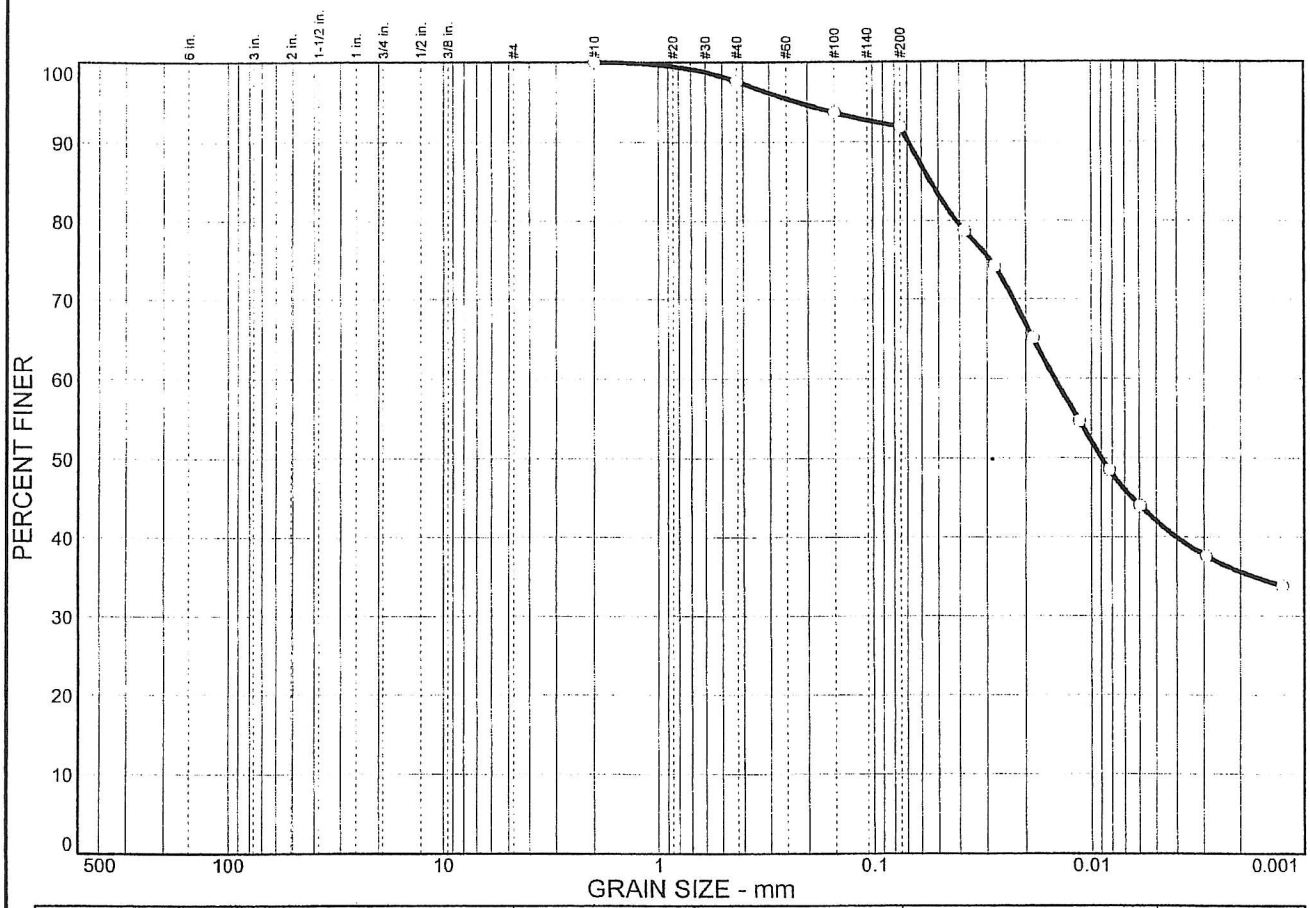
Sample No.: 0606402-05 **Source of Sample:** **Date:** 7-6-06
Location: **Elev./Depth:** -

MAXIM TECHNOLOGIES

Client: US FILTER
Project: 2006 CONSTRUCTION PROJECTS
US FILTER JOB# 0606402
Project No: 5340186 **Figure**

MF (1-2) B

Particle Size Distribution Report



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0.0	0.0	8.1	49.8	42.1

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
#10	100.0		
#40	97.6		
#100	93.7		
#200	91.9		

* (no specification provided)

Soil Description

Atterberg Limits

PL= - LL= - PI= -

Coefficients

D_{85}= 0.0544 D_{60}= 0.0147 D_{50}= 0.0090
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= AASHTO=

Remarks

Sample No.: 0606402-06 **Source of Sample:** **Date:** 7-6-06
Location: **Elev./Depth:** -

MAXIM TECHNOLOGIES

Client: US FILTER
Project: 2006 CONSTRUCTION PROJECTS
US FILTER JOB# 0606402
Project No: 5340186 **Figure**