Entered

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July 28, 2003
File: 94-022

Mr. Glenn M. May, CPG
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

Re: 2002 Operation, Maintenance and Monitoring Report,
Chem-Trol site,
NYSDEC ID Number 9-15-015

Dear Mr. May,

This letter was prepared by McMahon & Mann Consulting Engineers, P.C. (MMCE) for SC Holdings, Inc. presenting the yearly operation and maintenance (O&M) information for the Groundwater Treatment and the Soil Vapor Extraction (SVE) systems at the Chem-Trol site through December 2002. We have also included information regarding operation of the SVE system from prior to 2002 as requested in your April 10, 2003 letter.

The attached information is organized as follows:

MMCE Site Visit Data Sheets

Site data sheets are used to record conditions observed during periodic site visits by MMCE. SVE and Groundwater treatment system data are summarized for each visit on each sheet. Data recorded includes the following:

SVE system:
- Airflow data (i.e., rates, pressures, etc.)
- Air discharge test results
- Summary of alarm situations
- Air discharge test results
- Water levels in knockout tank

Ground water treatment system:

- Groundwater extraction rates for each well and volume of water treated
- Extraction well pump speeds, rates, volumes, and water levels
- Total flow volumes for each well and the entire system
- Calculated flow rates over time
- Summary of alarm situations
- Pressures within the bag filter and air stripper blower
- Conditions observed in the Iron Filter

Tables

Table 1	Monitoring Well Water Levels
Table 2	Extraction Well Water Levels and Flow Summary
Table 3	Summary of Groundwater Analytical Test Results

Groundwater Sample Analytical Test Results

Samples collected October 22, 2002

Earth Tech Operation, Maintenance and Monitoring Reports

Monthly reports submitted by Earth Tech include the following information:

- Sample collection field sheets
- Figure indicating sampling location
- Copy of analytical results and chain of custody form
- O&M checklist
- Summary tables with analytical results and flow readings
- Treated water analytical test results

SVE Operational Data Collected Prior to 2002

- SVE system startup analytical data
- Summary of air discharge field measurements
- SVE system air discharge analytical test results
- SVE system liquid analytical test results

Please call if you have any questions regarding this information.

Sincerely,

McMAHON & MANN CONSULTING ENGINEERS, P.C.

Thomas R. Heins, P.E.

Attachments as noted

cc: David Moreira (SC Holdings, Inc.)

MMCE Site Visit Data Sheets

McMahon & Mann
Consulting Engineers, P.C.

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 12/11/2001

SVE System

Blower 1	On	PI-1	-peg in H_2O	Hnu	N/A
Blower 2	Off	PI-2	-peg	Valve	11
Water Knockout Tank	None	T-1	64		
Alarms	None	FI-1	0.025		
		PI-4	0		

Water Extraction System

	EW-1		EW-2		EW-3	
status	Run		Run			
% speed	63		58		65	
rate-gpm	0		0		0	
Flow Meter	92,015/0	g/gpm	94,111/0	g/gpm	2,012/0	g/gpm
head	128	in	241	in	218	in
Water Elev	608.76	ft	609.02	ft	609.74	ft
Level SP		in		in		in
High SP		in		in		in
Low SP		in		in		in

Bag Filter 12 in H_2O

Blower Motor 12.5 in H_2O

Iron Filter
appearance Down about 2 inches
outlet about 1/2 full

Alarm History
12/04 #2 high

Totalizer _____ gallons
gallons

Leaks slow leak at T & Elbow

General Comments
did hand check of transducers

Remote Panels

EW-1		EW-2		EW-3	
Pump		Pump		Pump	
Head	in	Head	in	Head	in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 12/13/2001

SVE System

Blower 1 _____
Blower 2 _____
Water Knockout Tank None
Alarms None

PI-1 _____ in H_20
PI-2 _____
T-1 _____
FI-1 _____
PI-4 _____

Hnu _____
Valve _____

Water Extraction System

	EW-1		EW-2		EW-3	
status						
% speed						
rate-gpm						
Flow Meter		g/gpm		g/gpm		g/gpm
head	164	in	245	in	220	in
Water Elev	611.76	ft	609.36	ft	609.90	ft
Level SP		in		in		in
High SP		in		in		in
Low SP		in		in		in

Bag Filter _____ in H_20

Blower Motor _____ in H_20

Iron Filter
appearance _____
outlet _____

Alarm History
12/13 10:15 Stripper off
12/13/2003 10:05 #3 low
12/13/2001 10:05 #1 high

Totalizer _____ gallons
gallons

Leaks slow leak at T & Elbow

General Comments
Pumps off at 8:50 turned back on at 11:50

Remote Panels

EW-1		EW-2		EW-3	
Pump		Pump		Pump	
Head	in	Head	in	Head	in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 12/14/2001

SVE System

Blower 1 _____
Blower 2 _____
Water Knockout Tank None
Alarms None

PI-1 _____ in H_2O
PI-2 _____
T-1 _____
FI-1 _____
PI-4 _____

Hnu _____
Valve _____

Water Extraction System

	EW-1		EW-2		EW-3	
status						
% speed	63		58		65	
rate-gpm	7		7		0	
Flow Meter		g/gpm		g/gpm		g/gpm
head	111	in	217	in	197	in
Water Elev	607.34	ft	607.02	ft	607.99	ft
Level SP	199	in	200	in	170	in
High SP	250	in	250	in	251	in
Low SP	75	in	22	in	24	in

Bag Filter _____ in H_2O

Blower Motor _____ in H_2O

Iron Filter
appearance _____
outlet _____

Alarm History
_____
_____
#1 high

Totalizer _____ gallons
gallons

_____

General Comments

_____
_____
_____

Remote Panels

EW-1		EW-2		EW-3	
Pump		Pump		Pump	
Head	in	Head	in	Head	in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 12/17/2001

SVE System

Blower 1	on	PI-1	-peg	in H_2O	Hnu
Blower 2		PI-2	-peg		Valve
Water Knockout Tank	None	T-1	64		
Alarms	None	FI-1	0.024		
		PI-4			

Water Extraction System

EW-1			EW-2			EW-3		
status			status			status		
% speed	63		% speed	58		% speed	65	
rate-gpm	7		rate-gpm	7		rate-gpm	0	
Flow Meter	136,028/7	g/gpm	Flow Meter	137,891/7	g/gpm	Flow Meter	2043/0	g/gpm
head	123	in	head	236	in	head	217	in
Water Elev	608.34	ft	Water Elev	608.61	ft	Water Elev	609.65	ft
Level SP	199	in	Level SP	200	in	Level SP	170	in
High SP	250	in	High SP	250	in	High SP	251	in
Low SP	75	in	Low SP	22	in	Low SP	24	in

Bag Filter _____ in H_2O

Blower Motor _____ in H_2O

Iron Filter

appearance _____

outlet _____

Alarm History

_____

_____

#1 high

Totalizer _____ gallons

gallons

_____

General Comments

_____

_____

_____

Remote Panels

EW-1		EW-2		EW-3	
Pump		Pump		Pump	
Head	in	Head	in	Head	in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 1/10/2002

SVE System

Blower 1		PI-1	in H_20	Hnu	
Blower 2		PI-2		Valve	
Water Knockout Tank	None	T-1			
Alarms	None	FI-1			
		PI-4			

Water Extraction System

	EW-1		EW-2		EW-3	
status						
% speed	63		58		65	
rate-gpm	4		4		0	
Flow Meter	294,703	g/gpm	307,989	g/gpm	2047	g/gpm
head	174	in	275	in	252	in
Water Elev	612.59	ft	611.86	ft	612.57	ft
Level SP	199	in	200	in	170	in
High SP	250	in	250	in	251	in
Low SP	75	in	22	in	24	in

Bag Filter 12 in H_20

Blower Motor 14 in H_20

Iron Filter
appearance
outlet

Alarm History
1/10/2002 #3 high
1/10/2002 #2 high
1/10/02 #1 high

Totalizer gallons
gallons

Leaks T & Elbow leaking, wall saturated

General Comments

Remote Panels

EW-1		EW-2		EW-3	
Pump		Pump		Pump	
Head	in	Head	in	Head	in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : February 20, 2002

SVE System

Blower 1 ____
Blower 2 ____
Water Knockout Tank None
Alarms None

PI-1 -peg in H_2O
PI-2 -peg
T-1 ____
FI-1 0.023
PI-4 ____

Hnu n/a
Valve ____

Water Extraction System

	EW-1		EW-2		EW-3	
status						
% speed						
rate-gpm						
Flow Meter		g/gpm		g/gpm		g/gpm
head	156	in	248	in	234	in
Water Elev	611.55	ft	609.61	ft	611.07	ft
Level SP		in		in		in
High SP		in		in		in
Low SP		in		in		in

Bag Filter 12 in H_2O

Blower Motor 14 in H_2O

Iron Filter
appearance ____
outlet ____

Alarm History
____
____
____

Totalizer ____ gallons
gallons

Leaks ____

General Comments

Earth Tech on site, pumps off until 12:00. Transducers read at 12:20.
With pumps off Wells measured as below:

	System off 9:30	System on 12:20
Ew1	611.3	611.6
Ew2	611.1	609.2
Ew3	611.3	611.1

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : March 21, 2002

SVE System

Blower 1	On
Blower 2	Off
Water Knockout Tank	None
Alarms	None

PI-1	-peg	in H_2O
PI-2	-peg	
T-1	50	
FI-1	0.023	
PI-4	0	

Hnu	N/A
Valve	11

Water Extraction System

EW-1			EW-2			EW-3		
status	Run		status	Run		status	Run	
% speed	0		% speed	58		% speed	65	
rate-gpm			rate-gpm			rate-gpm	0	
Flow Meter	390,930	g/gpm	Flow Meter	585,892	g/gpm	Flow Meter	4266	g/gpm
head	150	in	head	263	in	head	235	in
Water Elev	610.59	ft	Water Elev	610.86	ft	Water Elev	611.15	ft
Level SP	199	in	Level SP	0	in	Level SP	170	in
High SP	250	in	High SP	250	in	High SP	251	in
Low SP	0	in	Low SP	25	in	Low SP	24	in

Bag Filter 12 in H_2O

Blower Motor 16.5 in H_2O

Iron Filter
Clear, Brown Tint,
outlet about 3/4 full

Alarm History
None

Totalizer

Leaks None

General Comments

Remote Panels

EW-1			EW-2			EW-3		
Pump	P		Pump	P		Pump	P	
Head	175	in	Head	227	in	Head	211	in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : April 23, 2002

SVE System

Blower 1	On	PI-1	-peg in H_2O	Hnu	N/A
Blower 2	Off	PI-2	-peg	Valve	11
Water Knockout Tank	Knockout tank about 3/4 Full	T-1	50		
Alarms	None	FI-1	0.023		
		PI-4	0		

Water Extraction System

	EW-1		EW-2		EW-3	
status	Run		Run		stand by	
% speed	63		58		65	
rate-gpm					0	
Flow Meter	390,930	g/gpm	585,892	g/gpm	4266	g/gpm
head	157	in	262	in	236	in
Water Elev	611.17	ft	610.77	ft	611.24	ft
Level SP	199	in	0	in	170	in
High SP	250	in	250	in	251	in
Low SP	0	in	25	in	24	in

Bag Filter 13 in H_2O

Blower Motor 17.5 in H_2O

Iron Filter
Flows way down.
outlet No apparent flow.

Alarm History
None

Totalizer

Leaks Two small leaks at T for Stub 4

General Comments
Emptied knockout tank into Holding tank. Flows are down to very low level. Meters all reading zero flow.

Remote Panels

	EW-1		EW-2		EW-3	
Pump	P		P		Stand By	
Head	159	in	261	in	237	in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : May 17, 2002

SVE System

Blower 1 On
Blower 2 Off
Water Knockout Tank Knockout tank about 1/3 Full
Alarms None

PI-1 -peg in H_2O
PI-2 -peg
T-1 50
FI-1 0.023
PI-4 0

Hnu 0*
Valve 12

*Reset makeup valve to read 5.4ppm

Water Extraction System

	EW-1		EW-2		EW-3	
status	Run		Run		stand by	
% speed	63		58		65	
rate-gpm					0	
Flow Meter		g/gpm		g/gpm		g/gpm
head	177	in	279	in	254	in
Water Elev	612.84	ft	612.19	ft	612.74	ft
Level SP	199	in	0	in	170	in
High SP	250	in	250	in	251	in
Low SP	0	in	25	in	24	in

Bag Filter 4 in H_2O

Blower Motor 17.5 in H_2O

Iron Filter
Flows way down.
outlet Slight flow

Alarm History
None

Totalizer

Leaks

General Comments

Remote Panels

EW-1		EW-2		EW-3	
Pump		Pump		Pump	
Head	in	Head	in	Head	in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 9/12/2002

SVE System

Blower 1	N/A	PI-1	-105 in H_2O	Hnu	
Blower 2		PI-2	-peg	Valve	11
Water Knockout Tank		T-1	78		
Alarms		FI-1	0.027		
		PI-4	0		

Water Extraction System

EW-1			EW-2			EW-3		
status	Running		status	Running		status	Running	
% speed	63		% speed	58		% speed	65	
rate-gpm	2		rate-gpm	2		rate-gpm	0	
Flow Meter	484,839	g/gpm	Flow Meter	889,023	g/gpm	Flow Meter	4266/0	g/gpm
head	124	in	head	220	in	head	193	in
Water Elev	608.88	ft	Water Elev	607.27	ft	Water Elev	607.65	ft
Level SP	199	in	Level SP	0	in	Level SP	170	in
High SP	250	in	High SP	250	in	High SP	251	in
Low SP	0	in	Low SP	25	in	Low SP	24	in

Bag Filter 10 in H_2O

Blower Motor 18.5 in H_2O

Iron Filter
appearance Clear
outlet 2.4 inch

Alarm History
8/20/2002 Stripper off
9/10/02 Stripper off
9/10/02 EW2 Low

Totalizer 666,358 gallons

Leaks None

General Comments
Checked totalizer for 1 minute flow about 7 gpm
Found cover at manhole off, put back

Remote Panels

EW-1		EW-2		EW-3	
Pump	on	Pump	on	Pump	on
Head	124 in	Head	220 in	Head	193 in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 9/19/2002

SVE System

Blower 1 N/A
Blower 2 _____
Water Knockout Tank _____
Alarms _____

PI-1 _____ in H_2O
PI-2 _____
T-1 _____
FI-1 _____
PI-4 _____

Hnu _____
Valve _____

Water Extraction System

	EW-1		EW-2		EW-3	
status	Running		Running		Running	
% speed	63		58		65	
rate-gpm	1		2		0	
Flow Meter	500,029	g/gpm	900,947	g/gpm	4266/0	g/gpm
head	124	in	219	in	196	in
Water Elev	608.88	ft	607.19	ft	607.90	ft
Level SP	199	in	0	in	170	in
High SP	250	in	250	in	251	in
Low SP	0	in	25	in	24	in

Bag Filter 10 in H_2O

Blower Motor 18.5 in H_2O

Iron Filter
appearance Brownish but clear
outlet N/A

Alarm History
Stripper off

Totalizer 725,783 gallons

Leaks None

General Comments

Remote Panels

EW-1	EW-2	EW-3
Pump on	Pump on	Pump on
Head _____ in	Head _____ in	Head _____ in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 10/22/02

SVE System

Blower 1	On	PI-1	-10.8 in H_2O	Hnu	N/A
Blower 2	Off	PI-2	-Peg	Valve	8/11
Water Knockout Tank	empty	T-1	68		
Alarms	None	FI-1	0.03		
		PI-4	0		

Water Extraction System

EW-1		EW-2		EW-3	
status	Running	status	Running	status	Running
% speed	0	% speed	58	% speed	0
rate-gpm	0	rate-gpm	7	rate-gpm	0
Flow Meter	500,113 g/gpm	Flow Meter	1,106,943 g/gpm	Flow Meter	4266 g/gpm
head	170 in	head	223 in	head	207 in
Water Elev	612.72 ft	Water Elev	607.52 ft	Water Elev	608.82 ft
Level SP	199 in	Level SP	0 in	Level SP	170 in
High SP	250 in	High SP	250 in	High SP	251 in
Low SP	0 in	Low SP	25 in	Low SP	24 in

Bag Filter 8 in H_2O

Blower Motor 19.5 in H_2O

Iron Filter

appearance Brownish but clear

outlet approx. 1/2 full

Alarm History

Totalizer 1041075 gallons

Leaks Bag Filter slow drip

General Comments

Air stripper was off for about 10 days for discharge pipe installation.
Air stripper was turned on yesterday at about 4 p.m.
Flow avg over 17 hours 9.6 gpm

Remote Panels

EW-1		EW-2		EW-3	
Pump	on	Pump	on	Pump	on
Head	170 in	Head	223 in	Head	207 in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 11/14/2002

SVE System

Blower 1	On	PI-1	-11.2 in H_2O	Hnu	N/A
Blower 2	Off	PI-2	-Peg	Valve	8/11
Water Knockout Tank	empty	T-1	62		
Alarms	None	FI-1	0.028		
		PI-4	0		

Water Extraction System

EW-1		EW-2		EW-3	
status	Running	status	Running	status	Standby
% speed	63	% speed	58	% speed	65
rate-gpm	0	rate-gpm	7	rate-gpm	0
Flow Meter	679,479 / 7 g/gpm	Flow Meter	1,330,771 / 7 g/gpm	Flow Meter	4266/0 g/gpm
head	127 in	head	200 in	head	183 in
Water Elev	609.13 ft	Water Elev	605.61 ft	Water Elev	606.82 ft
Level SP	199 in	Level SP	0 in	Level SP	170 in
High SP	250 in	High SP	250 in	High SP	251 in
Low SP	0 in	Low SP	25 in	Low SP	24 in

Bag Filter 8 in H_2O

Blower Motor 19.5 in H_2O

Iron Filter
appearance Brownish but clear
outlet 1 5/8" from top

Alarm History
10/29 Stripper Off
10/29 Level 1 Low

Totalizer 1,520,040 gallons

Leaks N/A

General Comments
Nov 14- 1,520,040 g @ 9:23 478965 g / 33168 min. = 14.4 gpm average
Oct 22- 1,041,075 g @ 10:11

Remote Panels

EW-1		EW-2		EW-3	
Pump	on	Pump	on	Pump	on
Head	127 in	Head	199 in	Head	180 in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 11/26/2002

SVE System

Blower 1	On	PI-1	-14.2 in H_2O	Hnu	10.2 ppm
Blower 2	Off	PI-2	-Peg	Valve	9/11
Water Knockout Tank	empty	T-1	55		
Alarms	None	FI-1	0.027		
		PI-4	0		

Water Extraction System

EW-1			EW-2			EW-3		
status	Running		status	Running		status	Standby	
% speed	63		% speed	58		% speed	65	
rate-gpm	7		rate-gpm	7		rate-gpm	0	
Flow Meter	814,410/8	g/gpm	Flow Meter	1,467,167/7	g/gpm	Flow Meter	4266/0	g/gpm
head	137	in	head	214	in	head	199	in
Water Elev	609.97	ft	Water Elev	606.77	ft	Water Elev	608.15	ft
Level SP	199	in	Level SP	0	in	Level SP	170	in
High SP	250	in	High SP	250	in	High SP	251	in
Low SP	0	in	Low SP	25	in	Low SP	24	in

602.0167

Bag Filter 8 in H_2O Blower Motor >20 in H_2O

Iron Filter
appearance Brownish but clear
outlet 1" from top

Alarm History
N/A
N/A

Totalizer 1,842,911 gallons

Leaks N/A

General Comments
Nov 26 1,842,911 g @ 2:23 322,871 g /17580 min. = 18.4 gpm average
Nov 14- 1,520,040 g @ 9:23

Remote Panels

EW-1		EW-2		EW-3	
Pump	N/A	Pump	N/A	Pump	N/A
Head	in	Head	in	Head	in

Chem-Trol Site

Hamburg, New York
File: 94-002

Date : 12/6/2002

SVE System

Blower 1	On	PI-1	-peg in H_2O	Hnu	N/A
Blower 2	Off	PI-2	-peg	Valve	11
Water Knockout Tank	None	T-1	50		
Alarms	None	FI-1	0.027		
		PI-4	0		

Water Extraction System

EW-1			EW-2			EW-3		
status	Run		status	Run		status	Run	
% speed	0		% speed	58		% speed	65	
rate-gpm	0		rate-gpm	8		rate-gpm	0	
Flow Meter	895666/0	g/gpm	Flow Meter	1580643/9	g/gpm	Flow Meter	4267/0	g/gpm
head	176	in	head	226	in	head	214	in
Water Elev	612.76	ft	Water Elev	607.77	ft	Water Elev	609.40	ft
Level SP	199	in	Level SP	0	in	Level SP	170	in
High SP	250	in	High SP	250	in	High SP	251	in
Low SP	0	in	Low SP	25	in	Low SP	24	in

Bag Filter 7 in H_2O

Blower Motor 20 in H_2O

Iron Filter
appearance Clear, Brown Tint,
outlet about 3/4 full

Alarm History
None

Totalizer 2,077,020 gallons 12:03 p.m.
2,075,529 gallons 10:00 a.m. 12 gpm for 123 minutes
Leaks None

General Comments

2,075,529 10:00 a.m. 18 gpm avg
1,520,040 9:23 a.m.

Remote Panels

EW-1			EW-2			EW-3		
Pump	P		Pump	P		Pump	P	
Head	175	in	Head	227	in	Head	211	in

Tables

Table 1
Chem-Trol
Ground Water Elevations Chem Trol Site

Well	2/20/02	4/23/02	9/12/02	12/6/02
OW-1FR				
P97-5	N/A	610.50	606.86	609.14
MW10S	N/A	N/A	N/A	609.20
MW10R	611.12	610.69	606.92	609.32
P97-4	N/A	610.90	606.99	609.35
MW 13R	N/A	N/A	606.85	609.05
MW 8S	N/A	N/A	0.00	0.00
MW 8R	610.96	0.00	607.28	609.39
P97 - 3	611.44	610.97	606.69	612.51
MW 9RD	613.33	609.97	614.13	612.61
MW 9R	610.92	610.98	607.06	609.47
MW 9S	N/A	611.76	609.70	610.83
P97 - 2	N/A	611.66	609.08	611.18
P97 - 1	N/A	612.88	610.68	612.66
MW 12R	612.34	601.24	609.29	611.65
MW 12S	616.52	616.52	611.65	617.21
MW14R	N/A	N/A	610.46	612.25
OW-2FR				609.54
MW 4S	N/A	N/A	621.89	621.89
MW 4R	610.82	610.70	606.87	609.22
P4S	N/A	N/A	620.57	620.54
MW 3S	N/A	N/A	617.87	619.29
P - 3R	620.22	620.62	620.64	620.42
P - 3S	N/A	N/A	0.00	0.00
OW - 3R	598.10	597.79	596.51	596.85
P-5S	N/A	N/A	0.00	626.45
P-5R	N/A	617.12	613.47	616.20
MW-5S	N/A	0.00	621.98	623.60
P-2R	N/A	631.26	626.89	631.39
P2-S	N/A	632.58	628.04	632.46
MW-2S	N/A	N/A	N/A	N/A
MW-11R	N/A	0.00	N/A	N/A
MW-6S	N/A	619.39	626.05	628.28
MW 6R	N/A	N/A	0.00	0.00
P-1S	N/A	N/A	631.30	636.11
MW 1R	N/A	N/A	628.82	633.59
MW 1S	N/A	N/A	629.14	635.65
MW 7S	N/A	N/A	N/A	637.84
MW 7R	N/A	N/A	N/A	637.38

Table 2
Chem-Trol Site
Extraction Well Water Levels and Flow Rate Summary

Extraction Well Water Levels

Date	Ew-1	Ew-2	Ew-3	
		2001		
12/2	610.67	610.78		H
12/3	610.13	610.11	610.49	H
12/5	609.76	609.75	609.98	H
12/11	609.27	609.19	609.49	H
	Set T1 = 598.6, 589.1, 591.3			
12/13	609.30	609.20	609.50	T1
12/14	607.90	607.20	607.70	T1
12/17	608.90	608.80	609.40	T1
12/18	610.00	609.90	610.50	T1
12/19	609.40	609.50	610.00	T1
12/20	609.39	609.40	609.90	T1
12/21	610.50	609.40	609.80	T1
		2002		
1/2	613.10	612	612.30	T1
2/20	611.27	611.13	611.33	T1
		Pumps off		
	611.60	609.80	610.80	T1
		Pumps on		
3/21	611.00	611.00	611.20	T1
4/23	611.90	610.90	611.10	T1
5/10	612.40	611.40	611.50	T1
5/17	613.40	612.40	612.50	T1
9/12	608.90	607.40	607.40	T1
9/19	608.90	607.40	607.60	T1
10/22	612.80	607.70	608.60	T1
11/14	609.20	605.80	606.30	T1
12/6	***609.48***	607.97	609.23	H
	613.27	607.97	609.13	T1
	Set T2 = 594.8, 589.1, 591.3			T2

Extraction Well Flows (gpm)

Date	Ew-1	Ew-2	Ew-3	gpm
		2001		
12/2		Flow Meter Readings		hand check
12/3				
12/5	0.00	0.00	0.00	
12/11	0.00	0.00	0.00	
12/13	0.00	0.00	0.00	
12/14	7.00	7.00	0.00	
12/17	7.00	7.00	0.00	
12/18				16
12/19	6.00	6.00	0.00	
12/20	5.00	5.00	0.00	
12/21	4.00	4.00	0.00	
		2002		
1/2	4.00	5	0.00	
2/20				
3/21	0.00	0.00	0.00	
4/23		Very low flow		
5/10		Very low flow		
5/17		Flow appears zero		
9/12	2.00	2.00	0.00	7-(Note 1)
9/19	2.00	0.00	0.00	6
10/22	0.00	7.00	0.00	10
11/14	7.00	7.00	0.00	
12/6	0.00	9.00	0.00	

Table 3
Chem-Trol Site
Summary of Ground Water Analytical Test Results

	MW-3S								MW-7R		MW-8R									
	8/9/1990		8/19/1993		10/23/2002		DL 10/23/2002		8/12/1993	10/22/2002	8/16/1993		6/1/1994		3/10/1999		10/22/2002		DL 10/22/2002	
1,1,1-Trichloroethane	ND		ND		ND		ND		ND	ND	130		520	D	150		ND		ND	
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,1,2-Trichloro-1,2,2-trifluororethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,1-Dichloroethane	ND		ND		ND		ND		ND	ND	160	D	370	D	200		32		26	D
1,1-Dichloroethene	ND		ND		ND		ND		ND	ND	30		67		25		1.2	J	ND	
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,2-Dibromo-3-Chloropropane DBCP	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,2-Dibromoethane (EDB)	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,2-Dichloroethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,2-Dichloroethene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,2-Dichloropropane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
1-Chloro-2-methyl benzene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
2-Hexanone	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Acetone	ND		ND		58	J	ND		ND	ND	ND		ND		ND		ND		ND	
Benzene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Bromoform	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Bromomethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Carbon Disulfide	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Carbon Tetrachloride	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Chlorobenzene	22	J	ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Chloroethane	ND		ND		ND		ND		ND	ND	16		52		76		13		11	DJ
Chloroform	ND		260	J	ND		ND		ND	ND	ND		ND		ND		ND		ND	
Chloromethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	ND		ND		ND		ND		ND	ND	6	J	14		10		3.6	J	3.4	DJ
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Cyclohexane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Dibromochloromethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Dichlorobromomethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Dichlorofluoromethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Ethylbenzene	12	J	ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Isopropylbenzene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Methyl Acetate	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Methyl Ethyl ketone	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Methyl Isobutyl Ketone	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Methyl tert butyl ether	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Methylcyclohexane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Methylene chloride	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
o-Chlorotoluene	28000		130000	J	43000	E	95000	D	ND	3.5	J	4200	DJ	2500	DJ	600		290	E	240	D
Styrene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Tetrachloroethene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Toluene	170		120	J	48	J	ND		ND	ND	ND		4	J	ND		ND		ND	
Total Xylenes	78	J	ND		15	J	ND		ND	ND	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND	ND	ND		ND		ND		1	J	ND	
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Trichloroethene	660		470	J	180		ND		ND	ND	39		160		51		1.2	J	ND	
Trichlorofluoromethane	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Trimethylbenzenes	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	
Vinyl Chloride	ND		ND		ND		ND		ND	ND	ND		ND		ND		ND		ND	

D-Analysis of diluted sample
J- Estimated result
DJ - Estimated result of diluted sample
E - Concentration exceeds calibration range

Table 3
Chem-Trol Site
Summary of Ground Water Analytical Test Results

	MW-9R										MW-13R								MW-15R			
	8/16/1993		6/1/1994		3/10/1999		10/22/2002		DL 10/22/2002		5/31/1994		3/11/1999		10/22/2002		DL 10/22/2002		3/11/1999		10/22/2002	
1,1,1-Trichloroethane	1300	D	2800	D	630	J	850	E	540	D	280	D	220	J	79		ND		ND		ND	
1,1,2,2-Tetrachloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		ND		ND		7.8		ND		ND		ND		2.8	J	ND		ND		ND	
1,1,2-Trichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,1-Dichloroethane	1000	D	860	D	470	J	240	E	190	D	6	J	240	J	190		ND		ND		ND	
1,1-Dichloroethene	120	D	130		66		7.1		ND		270	D	22		3.7	J	ND		ND		ND	
1,2,4-Trichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dibromo-3-Chloropropane DBCP	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dibromoethane (EDB)	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichloroethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,2-Dichloroethene	ND		ND		ND		ND		ND		9	J	ND		ND		ND		ND		ND	
1,2-Dichloropropane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
1-Chloro-2-methyl benzene	ND		ND		ND		ND		ND		ND		1100		ND		ND		8	J	ND	
2-Hexanone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Acetone	ND		ND		ND		ND		ND		ND		ND		ND		ND		20	U	ND	
Benzene	1	J	ND		ND		ND		ND		2	J	ND		7		ND		ND		24	
Bromoform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Bromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Carbon Disulfide	ND		ND		ND		ND		ND		26		ND		ND		ND		ND		ND	
Carbon Tetrachloride	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chlorobenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chloroethane	60		39		69		26		ND		22		73		11		ND		ND		ND	
Chloroform	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Chloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	2	J	ND		32		1.7	J	ND		ND		10		9.3		ND		ND		ND	
cis-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Cyclohexane	ND		ND		ND		8.2		ND		ND		ND		17		ND		ND		180	
Dibromochloromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dichlorobromomethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Dichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Ethylbenzene	ND		ND		ND		1.1	J	ND		ND		ND		2.2	J	ND		ND		17	
Isopropylbenzene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		3.1	J
Methyl Acetate	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methyl Ethyl ketone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methyl Isobutyl Ketone	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methyl tert butyl ether	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Methylcyclohexane	ND		ND		ND		7.4		ND		ND		ND		13		ND		ND		110	
Methylene chloride	ND		ND		ND		ND		ND		1	J	ND		ND		ND		ND		ND	
o-Chlorotoluene	ND		620	DJ	180		160	E	1100	D	1700	DJ	ND		3300	E	4200	D	ND		ND	
Styrene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Tetrachloroethene	ND		ND		ND		ND		ND		0.5	J	ND		ND		ND		ND		ND	
Toluene	1	J	4	J	ND		2.2	J	ND		7	J	ND		6.5		ND		ND		26	
Total Xylenes	ND		ND		ND		5.7	J	ND		8	J	ND		9.6	J	ND		ND		170	
trans-1,2-Dichloroethene	ND		ND		ND		ND		ND		ND		ND		2.4	J	ND		ND		ND	
trans-1,3-Dichloropropene	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Trichloroethene	330	D	300	D	260	J	8.2		ND		49		40		6		ND		ND		ND	
Trichlorofluoromethane	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Trimethylbenzenes	ND		ND		ND		ND		ND		ND		ND		ND		ND		23	J	ND	
Vinyl Chloride	ND		ND		ND		ND		ND		2	J	ND		ND		ND		ND		ND	

Groundwater Sample Analytical Test Results

Samples Collected October 22, 2002

McMahon & Mann
Consulting Engineers, P.C.

SEVERN TRENT SERVICES

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ANALYTICAL REPORT

Job#: A02-A470,A02-A519

STL Project#: NY5A584515
SDG#: 100203
Site Name: ChemTrol Site
Task: CHEM-TROL

Tom Heins
McMahon & Mann
2495 Main Street, Suite 432
Buffalo, NY 14214

STL Buffalo

Ronald M. Mazur
Project Manager

11/04/2002

This report contains 34 pages which are individually numbered.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A2A47001	DUP	10/22/2002	12:00	10/22/2002	14:35
A2A47002	MW-13R	10/22/2002	12:30	10/22/2002	14:35
A2A47003	MW-15R	10/22/2002	13:45	10/22/2002	14:35
A2A51901	MW-3S	10/23/2002	12:55	10/23/2002	15:10
A2A47005	MW-7R	10/22/2002	12:00	10/22/2002	14:35
A2A47006	MW-8R	10/22/2002	12:15	10/22/2002	14:35
A2A47007	MW-9R	10/22/2002	12:45	10/22/2002	14:35
A2A47008	Trip Blank	10/22/2002		10/22/2002	14:35
A2A51902	Trip Blank	10/23/2002		10/23/2002	15:10

METHODS SUMMARY

Job#: A02-A470,A02-A519

STL Project#: NY5A584515
SDG#: 100203
Site Name: ChemTrol Site

PARAMETER	ANALYTICAL METHOD
AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATILE ORGANICS	SW8463 8260/5ML

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

DATA COMMENT PAGE

000095

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition
M	Indicates duplicate injection results exceeded quality control limits
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance
E	Indicates a value estimated or not reported due to the presence of interferences
H	Indicates analytical holding time exceedance The value obtained should be considered an estimate
*	Indicates analysis is not within the quality control limits
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0 995

NON-CONFORMANCE SUMMARY

Job#: A02-A470,A02-A519

STL Project#: NY5A584515
SDG#: 100203
Site Name: ChemTrol Site

General Comments

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

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

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 after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A02-A470
Sample Cooler(s) were received at the following temperature(s); 6 °C
All samples were received in good condition.
A02-A519
Sample Cooler(s) were received at the following temperature(s); 6 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte 1,2,4-Trichlorobenzene was detected in Method Blank VBLK 75 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte 1,2,4-Trichloroethene was detected in the Method Blank VBLK75 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

****

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
MW-13RDL	A2A47002DL	8260/5ML	200.00	008
MW-8RDL	A2A47006DL	8260/5ML	2.00	008
MW-9RDL	A2A47007DL	8260/5ML	20.00	008
MW-3S	A2A51901	8260/5ML	10.00	008
MW-3SDL	A2A51901DL	8260/5ML	2000.00	008

000004

.ution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - non-target compounds (TICS) exceeded 5X the total response of one of the Internal Standards
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

Sample Data Package

ate: 11/04/2002
ime: 11:07:06

ChemTrol Site
CHEM-TROL

000007

Sample ID: DUP
Lab Sample ID: A2A47001
ate Collected: 10/22/2002
ime Collected: 12:00

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,1,2-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,1-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,1-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,2-Dibromoethane (EDB)	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,2-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,2-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,2-Dichloropropane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,3-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
1,4-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
2-Hexanone	ND		10	UG/L	8260/5ML	10/28/2002 17:51	DGP
Acetone	ND		25	UG/L	8260/5ML	10/28/2002 17:51	DGP
Benzene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Bromoform	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Bromomethane	ND		10	UG/L	8260/5ML	10/28/2002 17:51	DGP
Carbon Disulfide	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Carbon Tetrachloride	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Chlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Chloroethane	ND		10	UG/L	8260/5ML	10/28/2002 17:51	DGP
Chloroform	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Chloromethane	ND		10	UG/L	8260/5ML	10/28/2002 17:51	DGP
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Cyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Dibromochloromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Dichlorobromomethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Dichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Ethylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Isopropylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Methyl acetate	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Methyl Ethyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 17:51	DGP
Methyl Isobutyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 17:51	DGP
Methyl tert butyl ether	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Methylcyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Methylene chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
o-Chlorotoluene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Styrene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Tetrachloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Toluene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Total Xylenes	ND		15	UG/L	8260/5ML	10/28/2002 17:51	DGP
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Trichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Trichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP
Vinyl chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 17:51	DGP

Sample ID: MW-13R
Lab Sample ID: A2A47002
ate Collected: 10/22/2002
ime Collected: 12:30

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	79		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	J	5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,1,2-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,1-Dichloroethane	190		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,1-Dichloroethene	3.7	J	5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,2-Dibromoethane (EDB)	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,2-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,2-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,2-Dichloropropane	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,3-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
1,4-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
2-Hexanone	ND		10	UG/L	8260/5ML	10/28/2002 18:20	DGP
Acetone	ND		25	UG/L	8260/5ML	10/28/2002 18:20	DGP
Benzene	7.0		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Bromoform	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Bromomethane	ND		10	UG/L	8260/5ML	10/28/2002 18:20	DGP
Carbon Disulfide	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Carbon Tetrachloride	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Chlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Chloroethane	11		10	UG/L	8260/5ML	10/28/2002 18:20	DGP
Chloroform	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Chloromethane	ND		10	UG/L	8260/5ML	10/28/2002 18:20	DGP
cis-1,2-Dichloroethene	9.3		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Cyclohexane	17		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Dibromochloromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Dichlorobromomethane	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Dichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Ethylbenzene	2.2	J	5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Isopropylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Methyl acetate	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Methyl Ethyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 18:20	DGP
Methyl Isobutyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 18:20	DGP
Methyl tert butyl ether	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Methylcyclohexane	13		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Methylene chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
o-Chlorotoluene	3300	E	5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Styrene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Tetrachloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Toluene	6.5		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Total Xylenes	9.6	J	15	UG/L	8260/5ML	10/28/2002 18:20	DGP
trans-1,2-Dichloroethene	2.4	J	5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Trichloroethene	6.0		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Trichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP
Vinyl chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 18:20	DGP

Sample ID: MW-13RDL
Lab Sample ID: A2A47002DL
ate Collected: 10/22/2002
ime Collected: 12:30

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,1,2,2-Tetrachloroethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,1,2-Trichloroethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,1-Dichloroethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,1-Dichloroethene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,2,4-Trichlorobenzene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,2-Dibromoethane (EDB)	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,2-Dichlorobenzene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,2-Dichloroethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,2-Dichloropropane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,3-Dichlorobenzene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
1,4-Dichlorobenzene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
2-Hexanone	ND		2000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Acetone	ND		5000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Benzene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Bromoform	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Bromomethane	ND		2000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Carbon Disulfide	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Carbon Tetrachloride	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Chlorobenzene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Chloroethane	ND		2000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Chloroform	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Chloromethane	ND		2000	UG/L	8260/5ML	10/29/2002 15:57	DGP
cis-1,2-Dichloroethene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
cis-1,3-Dichloropropene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Cyclohexane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Dibromochloromethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Dichlorobromomethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Dichlorofluoromethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Ethylbenzene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Isopropylbenzene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Methyl acetate	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Methyl Ethyl Ketone	ND		2000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Methyl Isobutyl Ketone	ND		2000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Methyl tert butyl ether	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Methylcyclohexane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Methylene chloride	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
o-Chlorotoluene	4200	D	1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Styrene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Tetrachloroethene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Toluene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Total Xylenes	ND		3000	UG/L	8260/5ML	10/29/2002 15:57	DGP
trans-1,2-Dichloroethene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
trans-1,3-Dichloropropene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Trichloroethene	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Trichlorofluoromethane	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP
Vinyl chloride	ND		1000	UG/L	8260/5ML	10/29/2002 15:57	DGP

Sample ID: MW-15R
Lab Sample ID: A2A47003
ate Collected: 10/22/2002
ime Collected: 13:45

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,1,2-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,1-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,1-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,2-Dibromoethane (EDB)	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,2-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,2-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,2-Dichloropropane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,3-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
1,4-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
2-Hexanone	ND		10	UG/L	8260/5ML	10/29/2002 14:00	DGP
Acetone	ND		25	UG/L	8260/5ML	10/29/2002 14:00	DGP
Benzene	24		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Bromoform	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Bromomethane	ND		10	UG/L	8260/5ML	10/29/2002 14:00	DGP
Carbon Disulfide	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Carbon Tetrachloride	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Chlorobenzene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Chloroethane	ND		10	UG/L	8260/5ML	10/29/2002 14:00	DGP
Chloroform	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Chloromethane	ND		10	UG/L	8260/5ML	10/29/2002 14:00	DGP
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Cyclohexane	180		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Dibromochloromethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Dichlorobromomethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Dichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Ethylbenzene	17		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Isopropylbenzene	3.1	J	5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Methyl acetate	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Methyl Ethyl Ketone	ND		10	UG/L	8260/5ML	10/29/2002 14:00	DGP
Methyl Isobutyl Ketone	ND		10	UG/L	8260/5ML	10/29/2002 14:00	DGP
Methyl tert butyl ether	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Methylcyclohexane	110		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Methylene chloride	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
o-Chlorotoluene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Styrene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Tetrachloroethene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Toluene	26		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Total Xylenes	170		15	UG/L	8260/5ML	10/29/2002 14:00	DGP
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Trichloroethene	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Trichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP
Vinyl chloride	ND		5.0	UG/L	8260/5ML	10/29/2002 14:00	DGP

000011

Sample ID: MW-3S
Lab Sample ID: A2A51901
ate Collected: 10/23/2002
ime Collected: 12:55

Date Received: 10/23/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,1,2,2-Tetrachloroethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,1,2-Trichloroethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,1-Dichloroethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,1-Dichloroethene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,2,4-Trichlorobenzene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,2-Dibromoethane (EDB)	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,2-Dichlorobenzene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,2-Dichloroethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,2-Dichloropropane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,3-Dichlorobenzene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
1,4-Dichlorobenzene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
2-Hexanone	ND		100	UG/L	8260/5ML	10/28/2002 20:47	DGP
Acetone	58	J	250	UG/L	8260/5ML	10/28/2002 20:47	DGP
Benzene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Bromoform	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Bromomethane	ND		100	UG/L	8260/5ML	10/28/2002 20:47	DGP
Carbon Disulfide	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Carbon Tetrachloride	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Chlorobenzene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Chloroethane	ND		100	UG/L	8260/5ML	10/28/2002 20:47	DGP
Chloroform	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Chloromethane	ND		100	UG/L	8260/5ML	10/28/2002 20:47	DGP
cis-1,2-Dichloroethene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
cis-1,3-Dichloropropene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Cyclohexane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Dibromochloromethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Dichlorobromomethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Dichlorofluoromethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Ethylbenzene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Isopropylbenzene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Methyl acetate	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Methyl Ethyl Ketone	ND		100	UG/L	8260/5ML	10/28/2002 20:47	DGP
Methyl Isobutyl Ketone	ND		100	UG/L	8260/5ML	10/28/2002 20:47	DGP
Methyl tert butyl ether	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Methylcyclohexane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Methylene chloride	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
o-Chlorotoluene	43000	E	50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Styrene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Tetrachloroethene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Toluene	48	J	50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Total Xylenes	15	J	150	UG/L	8260/5ML	10/28/2002 20:47	DGP
trans-1,2-Dichloroethene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
trans-1,3-Dichloropropene	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Trichloroethene	180		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Trichlorofluoromethane	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP
Vinyl chloride	ND		50	UG/L	8260/5ML	10/28/2002 20:47	DGP

Sample ID: MW-3SDL
Lab Sample ID: A2A51901DL
ate Collected: 10/23/2002
ime Collected: 12:55

Date Received: 10/23/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,1,2,2-Tetrachloroethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,1,2-Trichloroethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,1-Dichloroethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,1-Dichloroethene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,2,4-Trichlorobenzene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,2-Dibromoethane (EDB)	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,2-Dichlorobenzene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,2-Dichloroethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,2-Dichloropropane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,3-Dichlorobenzene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
1,4-Dichlorobenzene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
2-Hexanone	ND		20000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Acetone	ND		50000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Benzene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Bromoform	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Bromomethane	ND		20000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Carbon Disulfide	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Carbon Tetrachloride	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Chlorobenzene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Chloroethane	ND		20000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Chloroform	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Chloromethane	ND		20000	UG/L	8260/5ML	10/29/2002 16:27	DGP
cis-1,2-Dichloroethene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
cis-1,3-Dichloropropene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Cyclohexane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Dibromochloromethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Dichlorobromomethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Dichlorofluoromethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Ethylbenzene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Isopropylbenzene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Methyl acetate	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Methyl Ethyl Ketone	ND		20000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Methyl Isobutyl Ketone	ND		20000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Methyl tert butyl ether	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Methylcyclohexane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Methylene chloride	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
o-Chlorotoluene	95000	D	10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Styrene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Tetrachloroethene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Toluene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Total Xylenes	ND		30000	UG/L	8260/5ML	10/29/2002 16:27	DGP
trans-1,2-Dichloroethene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
trans-1,3-Dichloropropene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Trichloroethene	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Trichlorofluoromethane	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP
Vinyl chloride	ND		10000	UG/L	8260/5ML	10/29/2002 16:27	DGP

Sample ID: MW-7R
Lab Sample ID: A2A47005
ate Collected: 10/22/2002
ime Collected: 12:00

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,1,2-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,1-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,1-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,2-Dibromoethane (EDB)	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,2-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,2-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,2-Dichloropropane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,3-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
1,4-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
2-Hexanone	ND		10	UG/L	8260/5ML	10/28/2002 19:18	DGP
Acetone	ND		25	UG/L	8260/5ML	10/28/2002 19:18	DGP
Benzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Bromoform	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Bromomethane	ND		10	UG/L	8260/5ML	10/28/2002 19:18	DGP
Carbon Disulfide	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Carbon Tetrachloride	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Chlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Chloroethane	ND		10	UG/L	8260/5ML	10/28/2002 19:18	DGP
Chloroform	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Chloromethane	ND		10	UG/L	8260/5ML	10/28/2002 19:18	DGP
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Cyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Dibromochloromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Dichlorobromomethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Dichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Ethylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Isopropylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Methyl acetate	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Methyl Ethyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 19:18	DGP
Methyl Isobutyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 19:18	DGP
Methyl tert butyl ether	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Methylcyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Methylene chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
o-Chlorotoluene	3.5	J	5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Styrene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Tetrachloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Toluene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Total Xylenes	ND		15	UG/L	8260/5ML	10/28/2002 19:18	DGP
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Trichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Trichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP
Vinyl chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 19:18	DGP

Sample ID: MW-8R
Lab Sample ID: A2A47006
Date Collected: 10/22/2002
Time Collected: 12:15

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,1,2-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,1-Dichloroethane	32		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,1-Dichloroethene	1.2	J	5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,2-Dibromoethane (EDB)	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,2-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,2-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,2-Dichloropropane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,3-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
1,4-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
2-Hexanone	ND		10	UG/L	8260/5ML	10/28/2002 19:48	DGP
Acetone	ND		25	UG/L	8260/5ML	10/28/2002 19:48	DGP
Benzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Bromoform	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Bromomethane	ND		10	UG/L	8260/5ML	10/28/2002 19:48	DGP
Carbon Disulfide	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Carbon Tetrachloride	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Chlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Chloroethane	13		10	UG/L	8260/5ML	10/28/2002 19:48	DGP
Chloroform	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Chloromethane	ND		10	UG/L	8260/5ML	10/28/2002 19:48	DGP
cis-1,2-Dichloroethene	3.6	J	5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Cyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Dibromochloromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Dichlorobromomethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Dichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Ethylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Isopropylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Methyl acetate	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Methyl Ethyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 19:48	DGP
Methyl Isobutyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 19:48	DGP
Methyl tert butyl ether	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Methylcyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Methylene chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
o-Chlorotoluene	290	E	5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Styrene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Tetrachloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Toluene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Total Xylenes	ND		15	UG/L	8260/5ML	10/28/2002 19:48	DGP
trans-1,2-Dichloroethene	1.0	J	5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Trichloroethene	1.2	J	5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Trichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP
Vinyl chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 19:48	DGP

000015

Sample ID: MW-8RDL
Lab Sample ID: A2A47006DL
Date Collected: 10/22/2002
Time Collected: 12:15

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,1,2-Trichloroethane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,1-Dichloroethane	26	D	10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,1-Dichloroethene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,2-Dibromoethane (EDB)	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,2-Dichlorobenzene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,2-Dichloroethane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,2-Dichloropropane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,3-Dichlorobenzene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
1,4-Dichlorobenzene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
2-Hexanone	ND		20	UG/L	8260/5ML	10/29/2002 14:59	DGP
Acetone	ND		50	UG/L	8260/5ML	10/29/2002 14:59	DGP
Benzene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Bromoform	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Bromomethane	ND		20	UG/L	8260/5ML	10/29/2002 14:59	DGP
Carbon Disulfide	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Carbon Tetrachloride	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Chlorobenzene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Chloroethane	11	DJ	20	UG/L	8260/5ML	10/29/2002 14:59	DGP
Chloroform	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Chloromethane	ND		20	UG/L	8260/5ML	10/29/2002 14:59	DGP
cis-1,2-Dichloroethene	3.4	DJ	10	UG/L	8260/5ML	10/29/2002 14:59	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Cyclohexane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Dibromochloromethane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Dichlorobromomethane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Dichlorofluoromethane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Ethylbenzene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Isopropylbenzene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Methyl acetate	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Methyl Ethyl Ketone	ND		20	UG/L	8260/5ML	10/29/2002 14:59	DGP
Methyl Isobutyl Ketone	ND		20	UG/L	8260/5ML	10/29/2002 14:59	DGP
Methyl tert butyl ether	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Methylcyclohexane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Methylene chloride	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
o-Chlorotoluene	240	D	10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Styrene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Tetrachloroethene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Toluene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Total Xylenes	ND		30	UG/L	8260/5ML	10/29/2002 14:59	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Trichloroethene	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Trichlorofluoromethane	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP
Vinyl chloride	ND		10	UG/L	8260/5ML	10/29/2002 14:59	DGP

Sample ID: MW-9R
Lab Sample ID: A2A47007
Date Collected: 10/22/2002
Time Collected: 12:45

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	850	E	5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	7.8		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,1,2-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,1-Dichloroethane	240	E	5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,1-Dichloroethene	7.1		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,2-Dibromoethane (EDB)	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,2-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,2-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,2-Dichloropropane	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,3-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
1,4-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
2-Hexanone	ND		10	UG/L	8260/5ML	10/28/2002 20:17	DGP
Acetone	ND		25	UG/L	8260/5ML	10/28/2002 20:17	DGP
Benzene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Bromoform	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Bromomethane	ND		10	UG/L	8260/5ML	10/28/2002 20:17	DGP
Carbon Disulfide	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Carbon Tetrachloride	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Chlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Chloroethane	26		10	UG/L	8260/5ML	10/28/2002 20:17	DGP
Chloroform	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Chloromethane	ND		10	UG/L	8260/5ML	10/28/2002 20:17	DGP
cis-1,2-Dichloroethene	1.7	J	5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Cyclohexane	8.2		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Dibromochloromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Dichlorobromomethane	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Dichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Ethylbenzene	1.1	J	5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Isopropylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Methyl acetate	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Methyl Ethyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 20:17	DGP
Methyl Isobutyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 20:17	DGP
Methyl tert butyl ether	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Methylcyclohexane	7.4		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Methylene chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
o-Chlorotoluene	1600	E	5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Styrene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Tetrachloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Toluene	2.2	J	5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Total Xylenes	5.7	J	15	UG/L	8260/5ML	10/28/2002 20:17	DGP
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Trichloroethene	8.2		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Trichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP
Vinyl chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 20:17	DGP

Sample ID: MW-9RDL
Lab Sample ID: A2A47007DL
ate Collected: 10/22/2002
ime Collected: 12:45

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	540	D	100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,1,2,2-Tetrachloroethane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,1,2-Trichloroethane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,1-Dichloroethane	190	D	100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,1-Dichloroethene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,2,4-Trichlorobenzene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,2-Dibromoethane (EDB)	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,2-Dichlorobenzene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,2-Dichloroethane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,2-Dichloropropane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,3-Dichlorobenzene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
1,4-Dichlorobenzene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
2-Hexanone	ND		200	UG/L	8260/5ML	10/29/2002 15:28	DGP
Acetone	ND		500	UG/L	8260/5ML	10/29/2002 15:28	DGP
Benzene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Bromoform	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Bromomethane	ND		200	UG/L	8260/5ML	10/29/2002 15:28	DGP
Carbon Disulfide	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Carbon Tetrachloride	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Chlorobenzene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Chloroethane	ND		200	UG/L	8260/5ML	10/29/2002 15:28	DGP
Chloroform	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Chloromethane	ND		200	UG/L	8260/5ML	10/29/2002 15:28	DGP
cis-1,2-Dichloroethene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
cis-1,3-Dichloropropene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Cyclohexane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Dibromochloromethane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Dichlorobromomethane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Dichlorofluoromethane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Ethylbenzene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Isopropylbenzene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Methyl acetate	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Methyl Ethyl Ketone	ND		200	UG/L	8260/5ML	10/29/2002 15:28	DGP
Methyl Isobutyl Ketone	ND		200	UG/L	8260/5ML	10/29/2002 15:28	DGP
Methyl tert butyl ether	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Methylcyclohexane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Methylene chloride	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
o-Chlorotoluene	1100	D	100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Styrene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Tetrachloroethene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Toluene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Total Xylenes	ND		300	UG/L	8260/5ML	10/29/2002 15:28	DGP
trans-1,2-Dichloroethene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
trans-1,3-Dichloropropene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Trichloroethene	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Trichlorofluoromethane	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP
Vinyl chloride	ND		100	UG/L	8260/5ML	10/29/2002 15:28	DGP

Sample ID: Trip Blank
Lab Sample ID: A2A47008
ate Collected: 10/22/2002
ime Collected:

Date Received: 10/22/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,1,2-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,1-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,1-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,2-Dibromoethane (EDB)	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,2-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,2-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,2-Dichloropropane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,3-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
1,4-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
2-Hexanone	ND		10	UG/L	8260/5ML	10/28/2002 16:22	DGP
Acetone	ND		25	UG/L	8260/5ML	10/28/2002 16:22	DGP
Benzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Bromoform	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Bromomethane	ND		10	UG/L	8260/5ML	10/28/2002 16:22	DGP
Carbon Disulfide	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Carbon Tetrachloride	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Chlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Chloroethane	ND		10	UG/L	8260/5ML	10/28/2002 16:22	DGP
Chloroform	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Chloromethane	ND		10	UG/L	8260/5ML	10/28/2002 16:22	DGP
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Cyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Dibromochloromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Dichlorobromomethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Dichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Ethylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Isopropylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Methyl acetate	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Methyl Ethyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 16:22	DGP
Methyl Isobutyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 16:22	DGP
Methyl tert butyl ether	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Methylcyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Methylene chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
o-Chlorotoluene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Styrene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Tetrachloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Toluene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Total Xylenes	ND		15	UG/L	8260/5ML	10/28/2002 16:22	DGP
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Trichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Trichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP
Vinyl chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 16:22	DGP

Sample ID: Trip Blank
Lab Sample ID: A2A51902
ate Collected: 10/23/2002
ime Collected:

Date Received: 10/23/2002
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
QUEOUS-SW8463 8260 -NYSDEC TCL+2-CHLOROTOLUE							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,1,2-Trichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,1-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,1-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,2-Dibromo-3-Chloropropane DBCP	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,2-Dibromoethane (EDB)	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,2-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,2-Dichloroethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,2-Dichloropropane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,3-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
1,4-Dichlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
2-Hexanone	ND		10	UG/L	8260/5ML	10/28/2002 16:52	DGP
Acetone	ND		25	UG/L	8260/5ML	10/28/2002 16:52	DGP
Benzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Bromoform	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Bromomethane	ND		10	UG/L	8260/5ML	10/28/2002 16:52	DGP
Carbon Disulfide	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Carbon Tetrachloride	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Chlorobenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Chloroethane	ND		10	UG/L	8260/5ML	10/28/2002 16:52	DGP
Chloroform	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Chloromethane	ND		10	UG/L	8260/5ML	10/28/2002 16:52	DGP
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Cyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Dibromochloromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Dichlorobromomethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Dichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Ethylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Isopropylbenzene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Methyl acetate	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Methyl Ethyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 16:52	DGP
Methyl Isobutyl Ketone	ND		10	UG/L	8260/5ML	10/28/2002 16:52	DGP
Methyl tert butyl ether	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Methylcyclohexane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Methylene chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
o-Chlorotoluene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Styrene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Tetrachloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Toluene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Total Xylenes	ND		15	UG/L	8260/5ML	10/28/2002 16:52	DGP
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Trichloroethene	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Trichlorofluoromethane	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP
Vinyl chloride	ND		5.0	UG/L	8260/5ML	10/28/2002 16:52	DGP

Chronology and QC Summary Package

Client ID		vblk75		vblk75		vblk76		vblk76	
Job No	Lab ID	A02-A470	A2A47009	A02-A519	A2A51903	A02-A470	A2A47011	A02-A519	A2A51905
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	25	ND	25	ND	25	ND	25
Benzene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Dichlorobromomethane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Bromoform	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Bromomethane	UG/L	ND	10	ND	10	ND	10	ND	10
Methyl Ethyl Ketone	UG/L	ND	10	ND	10	ND	10	ND	10
Carbon Disulfide	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Carbon Tetrachloride	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Chlorobenzene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Chloroethane	UG/L	ND	10	ND	10	ND	10	ND	10
Chloroform	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Chloromethane	UG/L	ND	10	ND	10	ND	10	ND	10
Cyclohexane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dibromo-3-Chloropropane DB	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Dibromochloromethane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Dichlorofluoromethane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dibromoethane (EDB)	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dichlorobenzene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,3-Dichlorobenzene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,4-Dichlorobenzene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1-Dichloroethane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dichloroethane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1-Dichloroethene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
cis-1,2-Dichloroethene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
trans-1,2-Dichloroethene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2-Dichloropropane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
cis-1,3-Dichloropropene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
trans-1,3-Dichloropropene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Ethylbenzene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
2-Hexanone	UG/L	ND	10	ND	10	ND	10	ND	10
Isopropylbenzene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Methyl acetate	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Methylene chloride	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Methyl tert butyl ether	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Methyl Isobutyl Ketone	UG/L	ND	10	ND	10	ND	10	ND	10
Methylcyclohexane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Styrene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1,2,2-Tetrachloroethane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Tetrachloroethene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Toluene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,2,4-Trichlorobenzene	UG/L	1.0 J	5.0	1.0 J	5.0	ND	5.0	ND	5.0
1,1,1-Trichloroethane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
1,1,2-Trichloroethane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0

NA = Not Applicable ND = Not Detected

AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATILE ORGANICS

Client ID Job No Sample Date	Lab ID	vblk75 A02-A470	A2A47009	vblk75 A02-A519	A2A51903	vblk76 A02-A470	A2A47011	vblk76 A02-A519	A2A51905
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Trichloroethene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Trichlorofluoromethane	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Vinyl chloride	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
Total Xylenes	UG/L	ND	15	ND	15	ND	15	ND	15
o-Chlorotoluene	UG/L	ND	5.0	ND	5.0	ND	5.0	ND	5.0
IS/SURROGATE(S)									
Chlorobenzene-D5	%	97	50-200	97	50-200	95	50-200	95	50-200
1,4-Difluorobenzene	%	98	50-200	98	50-200	98	50-200	98	50-200
1,4-Dichlorobenzene-D4	%	88	50-200	88	50-200	87	50-200	87	50-200
Toluene-D8	%	94	77-122	94	77-122	96	77-122	96	77-122
p-Bromofluorobenzene	%	89	73-120	89	73-120	89	73-120	89	73-120
1,2-Dichloroethane-D4	%	93	76-136	93	76-136	93	76-136	93	76-136

000022

NA = Not Applicable ND = Not Detected

SDG: 100203
Client Sample ID: vblk75 MSB75
Lab Sample ID: A2A47009 A2A47010

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATIL					
1,1-Dichloroethene	UG/L	52.6	50.0	105	62-138
Trichloroethene	UG/L	52.0	50.0	104	76-120
Benzene	UG/L	52.1	50.0	104	75-123
Toluene	UG/L	49.8	50.0	100	72-124
Chlorobenzene	UG/L	50.8	50.0	102	75-119

0001023

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 100203
Client Sample ID: vblk75 MSB75
Lab Sample ID: A2A51903 A2A51904

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATIL					
1,1-Dichloroethene	UG/L	52.6	50.0	105	62-138
Trichloroethene	UG/L	52.0	50.0	104	76-120
Benzene	UG/L	52.1	50.0	104	75-123
Toluene	UG/L	49.8	50.0	100	72-124
Chlorobenzene	UG/L	50.8	50.0	102	75-119

4200024

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 100203
Client Sample ID: vblk76 MSB76
Lab Sample ID: A2A47011 A2A47012

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATIL					
1,1-Dichloroethene	UG/L	56.0	50.0	112	62-138
Trichloroethene	UG/L	52.4	50.0	105	76-120
Benzene	UG/L	52.4	50.0	105	75-123
Toluene	UG/L	50.7	50.0	102	72-124
Chlorobenzene	UG/L	51.4	50.0	103	75-119

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SDG: 100203
Client Sample ID: vblk76 MSB76
Lab Sample ID: A2A51905 A2A51906

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATIL					
1,1-Dichloroethene	UG/L	56.0	50.0	112	62-138
Trichloroethene	UG/L	52.4	50.0	105	76-120
Benzene	UG/L	52.4	50.0	105	75-123
Toluene	UG/L	50.7	50.0	102	72-124
Chlorobenzene	UG/L	51.4	50.0	103	75-119

000026

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	DUP A02-A470 A2A47001	MW-13R A02-A470 A2A47002	MW-13RDL A02-A470 A2A47002DL	MW-15R A02-A470 A2A47003	MW-3S A02-A519 A2A51901
Sample Date	10/22/2002 12:00	10/22/2002 12:30	10/22/2002 12:30	10/22/2002 13:45	10/23/2002 12:55
Received Date	10/22/2002 14:35	10/22/2002 14:35	10/22/2002 14:35	10/22/2002 14:35	10/23/2002 15:10
Extraction Date					
Analysis Date	10/28/2002 17:51	10/28/2002 18:20	10/29/2002 15:57	10/29/2002 14:00	10/28/2002 20:47
Extraction HT Met?	-	-	-	-	-
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	GW	GW	GW	GW	GW
Dilution Factor	1.0	1.0	200.0	1.0	10.0
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS
% Dry					

000027

NA = Not Applicable

AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MW-3SDL A02-A519 A2A51901DL	MW-7R A02-A470 A2A47005	MW-8R A02-A470 A2A47006	MW-8RDL A02-A470 A2A47006DL	MW-9R A02-A470 A2A47007
Sample Date	10/23/2002 12:55	10/22/2002 12:00	10/22/2002 12:15	10/22/2002 12:15	10/22/2002 12:45
Received Date	10/23/2002 15:10	10/22/2002 14:35	10/22/2002 14:35	10/22/2002 14:35	10/22/2002 14:35
Extraction Date					
Analysis Date	10/29/2002 16:27	10/28/2002 19:18	10/28/2002 19:48	10/29/2002 14:59	10/28/2002 20:17
Extraction HT Met?	-	-	-	-	-
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	GW	GW	GW	GW	GW
Dilution Factor	2000.0	1.0	1.0	2.0	1.0
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS
% Dry					

000028

NA = Not Applicable

AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MW-9RDL A02-A470 A2A47007DL				
Sample Date	10/22/2002 12:45				
Received Date	10/22/2002 14:35				
Extraction Date					
Analysis Date	10/29/2002 15:28				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	GW				
Dilution Factor	20.0				
Sample wt/vol	0.005 LITERS				
% Dry					

000029

NA = Not Applicable

AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Trip Blank A02-A470 A2A47008	Trip Blank A02-A519 A2A51902			
Sample Date	10/22/2002	10/23/2002			
Received Date	10/22/2002 14:35	10/23/2002 15:10			
Extraction Date					
Analysis Date	10/28/2002 16:22	10/28/2002 16:52			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	WATER	GW			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.005 LITERS	0.005 LITERS			
% Dry					

000030

NA = Not Applicable

AQUEOUS-METHOD 8260 -NYSDEC TCL+ VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	vblk75 A02-A470 A2A47009	vblk75 A02-A519 A2A51903	vblk76 A02-A470 A2A47011	vblk76 A02-A519 A2A51905	
Sample Date					
Received Date					
Extraction Date					
Analysis Date	10/28/2002 15:24	10/28/2002 15:24	10/29/2002 13:31	10/29/2002 13:31	
Extraction HT Met?	-	-	-	-	
Analytical HT Met?	-	-	-	-	
Sample Matrix	WATER	WATER	WATER	WATER	
Dilution Factor	1.0	1.0	1.0	1.0	
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS	
% Dry					

000031

NA = Not Applicable

Chain of Custody

SEVERN TRENT SERVICES

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name: (Print)	Signature:
R. SANK	
Site Name:	Spec Request:
CHEM-TROL	AC NY 2A4210/3
Site Location:	Event Name:
	GROUND WATER

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE	ALK/CARB/BICARB	HARDNESS	NH_3/TOC/COD	Additional Analysis/Remarks
				W	G	(HCl)							
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL)									
				INDICATE CONTAINER BY USING KEY BELOW									
	TRIP BLANK	10-22-02	0900			2							
	MW-7R		1200			3							
	MW-8R		1215			3							
	MW-9R		1245			3							
	MW-13R		1230			3							
	MW-15R		1345			3							
	FIELD DUP		1200			3							
	MW-3S		DRY NOT SAMPLED			1							

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	STL	10-22-02	1435		STL	10/22/02	1435
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- Sl = Sludge
- MS = Miscellaneous Solids
- Ol = Oil
- A = Air
- O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS MW-3S DRY NOT SAMPLED
6 °C

Courier:

Bill of Lading: 000033

STL-8219 (0700)

SEVERN TRENT SERVICES

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

Sampler Name: (Print)	Signature:
R. SAWL	
Site Name: CHEM-TROL	Spec Request: AC NY 2A 4210/13
Site Location:	Event Name: G/W

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE	ALK/CARB/BICARB	HARDNESS	NH_3/TOC/COD							Additional Analysis/Remarks
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL)															
				INDICATE CONTAINER BY USING KEY BELOW															
	TRIP BLANK	10-23-02	1100	W	G	1													
	MW-3S	↓	1255	↓	6	1													LIMITED VOLUME

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
	STL	10-23-02			STL	10-23-02	15.10
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water/Groundwater
S = Solid
Sl = Sludge
MS = Miscellaneous Solids
Ol = Oil
A = Air
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
6°

Courier: 000234

Bill of Lading:

STL 9010 (0700)

Earth Tech Operation, Maintenance and Monitoring Reports

McMahon & Mann
Consulting Engineers, P.C.

Operation, Maintenance and Monitoring Report
July 2002

CHEM-TROL Site
Site 9-15-015

Prepared for:

SC HOLDINGS
4 LIBERTY LANE WEST
HAMPTON, NH 03842

Prepared by:

Earth Tech of New York, Inc.
40 British American Boulevard
Latham, New York 12110

40 British American Boulevard, Latham, New York 12110

October 15, 2002

Ms. Nicole Elliot, Industrial Wastewater Specialist
Erie County / Southtown's Sewage Treatment Agency
c/o Erie County Department of Environment and Planning
Room 1034
95 Franklin Street
Buffalo, New York 14202

RE: Erie County Sewer District No.3
S.C. Holdings, Inc.
4818 Lake Avenue
Blasdell, New York 14219
July, August and September Monthly Monitoring Reports

Dear Ms. Elliot:

Telephone
518.951.2200
Facsimile
518.951.2300

Enclosed please find the monthly reports for July, August and September. Earth Tech, Inc. (Earth Tech) is submitting these reports on behalf of our client S.C. Holdings, Inc. S.C. Holdings, Inc. has authorized Earth Tech to submit these reports on their behalf.

The enclosed report contains the following information:

- Sample Collection Field Sheet with Certification Statement;
- Figure showing sampling location;
- Copy of Analytical results (see discussion below) and Chain-of-Custody Form;
- Operation, Maintenance and Monitoring Checklist; and
- Summary Tables of Analytical Results and Flow Readings.

As discussed Earth Tech is currently having analysis by EPA Method 625 and 608 being performed on water samples collected from the site on October 4, 2002. These results will be forwarded to the Sewer District as soon as they become available.

On October 11, 2002, Earth Tech and its' subcontractor initiated installation of the underground sewer discharge line to the manhole on Lake Avenue. It is anticipated that this line will be operational during the week of October 14, 2002.

If you have any questions regarding the information presented in this report please do not hesitate to contact me at (518) 951-2229.

Sincerely,

EARTH TECH, INC.

Keith A. Decker
Project Manager

cc: David Moriera (S.C. Holdings)
Thomas Heines (McMahon and Mann)

SAMPLE COLLECTION FIELD SHEET

SAMPLE COLLECTION FIELD SHEET
CHEM-TROL SITE, BLASDELL, NEW YORK
PERMIT No. ST-15

Reporting Month:		July, 2002
Date Sample Collected:		July 12, 2002
Time Sample Collected:		11:40 am
Physical Observations:	- Smell	none
	- Odor	none
	- Consistency	water
	- Sight	clear
	- Floatable	none
	- Sheen	none
Water Meter Reading:		0 gallons (new meter installed)
Chain of Custody:		Attached
Analysis Included in Report:		EPA Method 624 w/Chlorotoluene, TSS, TDS, TAL Metals, Oil & Grease, pH, Dissolved Iron, Filtered Iron
Drawing of Sampling Location:		Attached
Signature of Sampler:		Attached on Chain-of-Custody
Sample Preservation:		Samples packed in Ice for shipment
Date Received at Laboratory:		July 13, 2002

CERTIFICATION STATEMENT

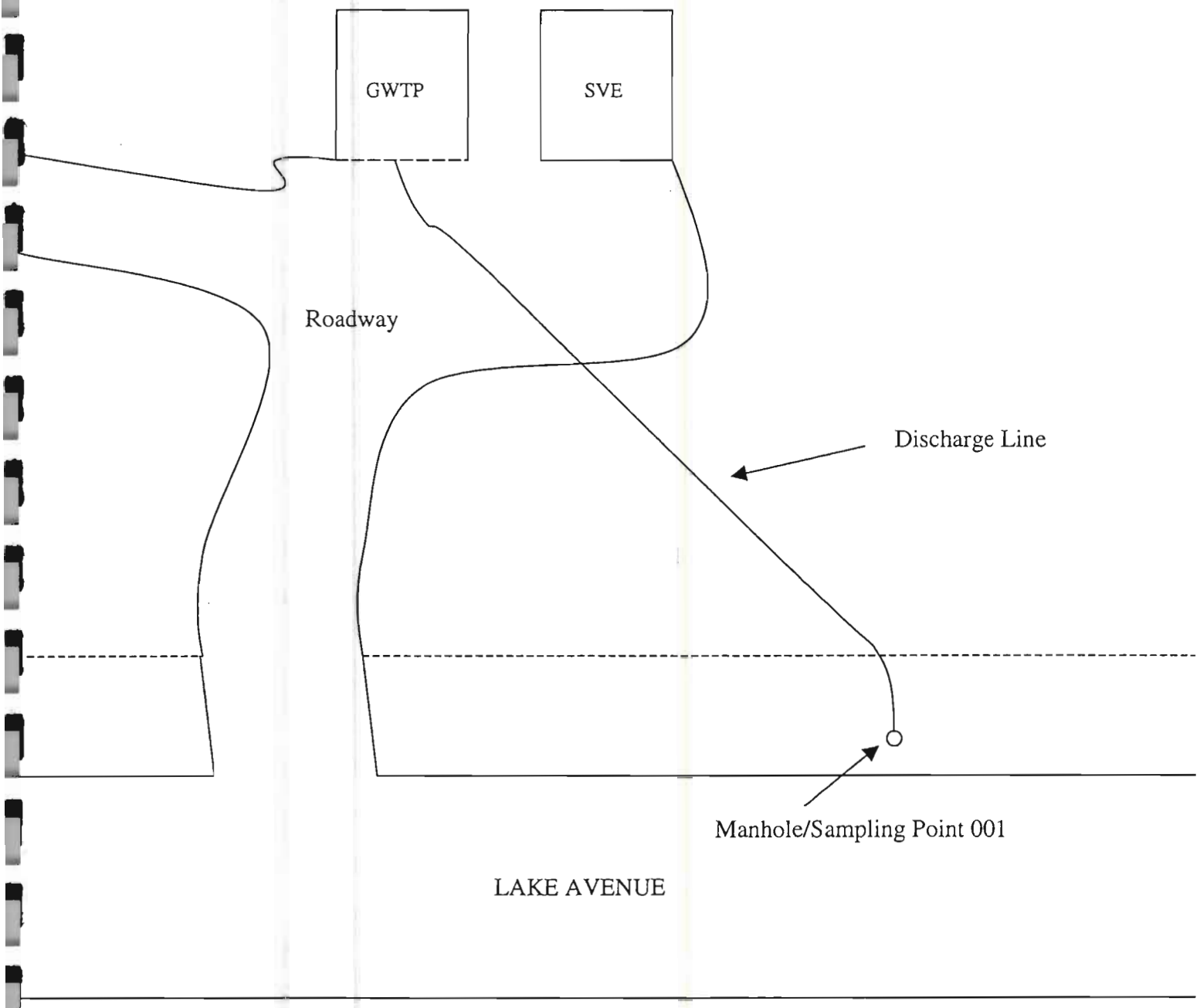
I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Date

FIGURE 1 – Sampling Location

CHEM-TROL SITE LAYOUT
FIGURE 1



LABORATORY REPORTS

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:02-AUG-2002

Lab Sample ID: L91027-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: INFLUENT WATER
Description: GRAB
Sampled On: 12-JUL-02 11:40 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
pH	7.02			15-JUL-02 10:10	EPA 150.1	02-071-20
Analysis Comment:pH as Received at Lab.						
Oil & Grease	U	mg/l	1	26-JUL-02 07:51	EPA 413.1	02-040-38
Solids, Dissolved	751	mg/l	10	16-JUL-02 00:00	EPA 160.1	02-065-36
Total Suspended Solids	4.2	mg/l	2	16-JUL-02 08:03	EPA 160.2	02-042-94
Aluminum	0.172	mg/l	0.075	18-JUL-02 05:35	EPA 200.7	02-055-12
Antimony	U	mg/l	0.001	18-JUL-02 22:34	EPA 200.8	02-056-09
Arsenic	U	mg/l	0.001	18-JUL-02 22:34	EPA 200.8	02-056-09
Barium	0.066	mg/l	0.016	18-JUL-02 05:35	EPA 200.7	02-055-12
Beryllium	U	mg/l	0.002	18-JUL-02 05:35	EPA 200.7	02-055-12
Cadmium	U	mg/l	0.005	18-JUL-02 05:35	EPA 200.7	02-055-12
Calcium	97.2	mg/l	0.500	18-JUL-02 05:35	EPA 200.7	02-055-12
Chromium	U	mg/l	0.010	18-JUL-02 05:35	EPA 200.7	02-055-12
Cobalt	U	mg/l	0.0100	18-JUL-02 05:35	EPA 200.7	02-055-12
Copper	0.02	mg/l	0.017	18-JUL-02 05:35	EPA 200.7	02-055-12
Iron	1.3	mg/l	0.040	18-JUL-02 05:35	EPA 200.7	02-055-12
Lead	U	mg/l	0.044	18-JUL-02 05:35	EPA 200.7	02-055-12
Magnesium	31.4	mg/l	0.500	18-JUL-02 05:35	EPA 200.7	02-055-12
Manganese	0.384	mg/l	0.005	18-JUL-02 05:35	EPA 200.7	02-055-12
Mercury	U	mg/l	0.0002	23-JUL-02 00:00	EPA 245.1	01-002-66

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC car

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY
I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:02-AUG-2002

Lab Sample ID: L91027-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: INFLUENT WATER
Description: GRAB
Sampled On: 12-JUL-02 11:40 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Nickel	0.021	mg/l	0.012	18-JUL-02 05:35	EPA 200.7	02-055-12
Potassium	4.97	mg/l	0.500	18-JUL-02 05:35	EPA 200.7	02-055-12
Selenium	0.001	mg/l	0.001	18-JUL-02 22:34	EPA 200.8	02-056-09
Silver	U	mg/l	0.001	18-JUL-02 22:34	EPA 200.8	02-056-09
Sodium	98.5	mg/l	0.200	18-JUL-02 05:35	EPA 200.7	02-055-12
Thallium	U	mg/l	0.001	18-JUL-02 22:34	EPA 200.8	02-056-09
Vanadium	U	mg/l	0.010	18-JUL-02 05:35	EPA 200.7	02-055-12
Zinc	0.352	mg/l	0.020	18-JUL-02 05:35	EPA 200.7	02-055-12
EPA 624						
Chloromethane	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Vinyl chloride	U	ug/l	100	22-JUL-02 22:05	EPA 624	02-039-3212
Bromomethane	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Chloroethane	U	ug/l	500	22-JUL-02 22:05	EPA 624	02-039-3212
Trichlorofluoromethane	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Acrolein	U	ug/l	1000	22-JUL-02 22:05	EPA 624	02-039-3212
1,1-Dichloroethene	U	ug/l	500	22-JUL-02 22:05	EPA 624	02-039-3212
Methylene chloride	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Acrylonitrile	U	ug/l	1000	22-JUL-02 22:05	EPA 624	02-039-3212
trans-1,2-Dichloroethene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
1,1-Dichloroethane	U	ug/l	500	22-JUL-02 22:05	EPA 624	02-039-3212
cis-1,2-Dichloroethene	U	ug/l	500	22-JUL-02 22:05	EPA 624	02-039-3212
Carbon tetrachloride	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Chloroform	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
1,1,1-Trichloroethane	U	ug/l	500	22-JUL-02 22:05	EPA 624	02-039-3212
Benzene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
1,2-Dichloroethane	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Trichloroethene	U	ug/l	500	22-JUL-02 22:05	EPA 624	02-039-3212
1,2-Dichloropropane	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Bromodichloromethane	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
2-Chloroethylvinylether	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
cis-1,3-Dichloropropene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Toluene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212

Approved by: _____
Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC AR

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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 02-AUG-2002

Lab Sample ID: L91027-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: INFLUENT WATER
Description: GRAB
Sampled On: 12-JUL-02 11:40 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
trans-1,3-Dichloropropene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
1,1,2-Trichloroethane	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Tetrachloroethene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Dibromochloromethane	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Chlorobenzene	U	ug/l	500	22-JUL-02 22:05	EPA 624	02-039-3212
Ethylbenzene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
p-Xylene/m-Xylene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
o-Xylene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Styrene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
Bromoform	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
1,1,2,2-Tetrachloroethane	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
1,3-Dichlorobenzene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
1,4-Dichlorobenzene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
1,2-Dichlorobenzene	U	ug/l	250	22-JUL-02 22:05	EPA 624	02-039-3212
O-Chlorotoluene	3300	ug/l	500	22-JUL-02 22:05	EPA 624	02-039-3212
Surrogate Recovery:						
Dibromofluoromethane	105	%				02-039-3212
Toluene-d8	97	%				02-039-3212
4-Bromofluorobenzene	106	%				02-039-3212
1,2-Dichloroethane-d4	108	%				02-039-3212

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC lak

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:02-AUG-2002

Lab Sample ID: L91027-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: EFFLUENT WATER
Description: GRAB
Sampled On: 12-JUL-02 12:05 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
pH	8.06			15-JUL-02 10:10	EPA 150.1	02-071-20
Analysis Comment:pH as Received at Lab.						
Oil & Grease	U	mg/l	1	26-JUL-02 07:51	EPA 413.1	02-040-38
Solids, Dissolved	758	mg/l	10	16-JUL-02 00:00	EPA 160.1	02-065-36
Total Suspended Solids	3.8	mg/l	2	16-JUL-02 08:03	EPA 160.2	02-042-94
Aluminum	U	mg/l	0.075	18-JUL-02 05:41	EPA 200.7	02-055-12
Antimony	U	mg/l	0.001	18-JUL-02 22:57	EPA 200.8	02-056-09
Arsenic	U	mg/l	0.001	18-JUL-02 22:57	EPA 200.8	02-056-09
Barium	0.066	mg/l	0.016	18-JUL-02 05:41	EPA 200.7	02-055-12
Beryllium	U	mg/l	0.002	18-JUL-02 05:41	EPA 200.7	02-055-12
Cadmium	U	mg/l	0.005	18-JUL-02 05:41	EPA 200.7	02-055-12
Calcium	99.6	mg/l	0.500	18-JUL-02 05:41	EPA 200.7	02-055-12
Chromium	U	mg/l	0.010	18-JUL-02 05:41	EPA 200.7	02-055-12
Cobalt	U	mg/l	0.0100	18-JUL-02 05:41	EPA 200.7	02-055-12
Copper	U	mg/l	0.017	18-JUL-02 05:41	EPA 200.7	02-055-12
Iron	1.15	mg/l	0.040	18-JUL-02 05:41	EPA 200.7	02-055-12
Lead	U	mg/l	0.044	18-JUL-02 05:41	EPA 200.7	02-055-12
Magnesium	32.2	mg/l	0.500	18-JUL-02 05:41	EPA 200.7	02-055-12
Manganese	0.393	mg/l	0.005	18-JUL-02 05:41	EPA 200.7	02-055-12
Mercury	U	mg/l	0.0002	23-JUL-02 00:00	EPA 245.1	01-002-66

Approved by: [signature]
Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC [signature]

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:02-AUG-2002

Lab Sample ID: L91027-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: EFFLUENT WATER
Description: GRAB
Sampled On: 12-JUL-02 12:05 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Nickel	U	mg/l	0.012	18-JUL-02 05:41	EPA 200.7	02-055-12
Potassium	5.06	mg/l	0.500	18-JUL-02 05:41	EPA 200.7	02-055-12
Selenium	0.001	mg/l	0.001	18-JUL-02 22:57	EPA 200.8	02-056-09
Silver	U	mg/l	0.001	18-JUL-02 22:57	EPA 200.8	02-056-09
Sodium	102	mg/l	0.200	18-JUL-02 05:41	EPA 200.7	02-055-12
Thallium	U	mg/l	0.001	18-JUL-02 22:57	EPA 200.8	02-056-09
Vanadium	U	mg/l	0.010	18-JUL-02 05:41	EPA 200.7	02-055-12
Zinc	U	mg/l	0.020	18-JUL-02 05:41	EPA 200.7	02-055-12
EPA 624						
Chloromethane	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Vinyl chloride	U	ug/l	2	22-JUL-02 21:28	EPA 624	02-039-3211
Bromomethane	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Chloroethane	U	ug/l	10	22-JUL-02 21:28	EPA 624	02-039-3211
Trichlorofluoromethane	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Acrolein	U	ug/l	20	22-JUL-02 21:28	EPA 624	02-039-3211
1,1-Dichloroethene	U	ug/l	10	22-JUL-02 21:28	EPA 624	02-039-3211
Methylene chloride	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Acrylonitrile	U	ug/l	20	22-JUL-02 21:28	EPA 624	02-039-3211
trans-1,2-Dichloroethene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
1,1-Dichloroethane	U	ug/l	10	22-JUL-02 21:28	EPA 624	02-039-3211
cis-1,2-Dichloroethene	U	ug/l	10	22-JUL-02 21:28	EPA 624	02-039-3211
Carbon tetrachloride	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Chloroform	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
1,1,1-Trichloroethane	U	ug/l	10	22-JUL-02 21:28	EPA 624	02-039-3211
Benzene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
1,2-Dichloroethane	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Trichloroethene	U	ug/l	10	22-JUL-02 21:28	EPA 624	02-039-3211
1,2-Dichloropropane	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Bromodichloromethane	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
2-Chloroethylvinylether	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
cis-1,3-Dichloropropene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Toluene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:02-AUG-2002

Lab Sample ID: L91027-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: EFFLUENT WATER
Description: GRAB
Sampled On: 12-JUL-02 12:05 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
trans-1,3-Dichloropropene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
1,1,2-Trichloroethane	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Tetrachloroethene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Dibromochloromethane	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Chlorobenzene	U	ug/l	10	22-JUL-02 21:28	EPA 624	02-039-3211
Ethylbenzene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
p-Xylene/m-Xylene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
o-Xylene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Styrene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
Bromoform	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
1,1,2,2-Tetrachloroethane	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
1,3-Dichlorobenzene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
1,4-Dichlorobenzene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
1,2-Dichlorobenzene	U	ug/l	5	22-JUL-02 21:28	EPA 624	02-039-3211
o-Chlorotoluene	6	ug/l	10	22-JUL-02 21:28	EPA 624	02-039-3211
Surrogate Recovery:						
Dibromofluoromethane	104	%				02-039-3211
Toluene-d8	96	%				02-039-3211
4-Bromofluorobenzene	109	%				02-039-3211
1,2-Dichloroethane-d4	102	%				02-039-3211

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JUL-2002

Lab Sample ID: L91027-4

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: DISSOLVED, EFFLUENT WATER
Description: GRAB
Sampled On: 12-JUL-02 12:05 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Iron	U	mg/l	0.040	23-JUL-02 02:22	EPA 200.7	02-057-01

Approved by: [signature]
Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC [signature]

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
8 = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JUL-2002

Lab Sample ID: L91027-5

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: PRE-STRIPPER
Description: GRAB
Sampled On: 12-JUL-02 11:45 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Iron	1.34	mg/l	0.040	18-JUL-02 05:50	EPA 200.7	02-055-12

Approved by: [signature]
Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC RAR

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY
I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JUL-2002

Lab Sample ID: L91027-6

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: DISSOLVED, PRE-STRIPPER
Description: GRAB
Sampled On: 12-JUL-02 11:45 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Iron	U	mg/l	0.040	23-JUL-02 02:24	EPA 200.7	02-057-01

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JUL-2002

Lab Sample ID: L91027-7

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: POST-STRIPPER
Description: GRAB
Sampled On: 12-JUL-02 11:52 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Iron	2.08	mg/l	0.040	18-JUL-02 06:05	EPA 200.7	02-055-12

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:30-JUL-2002

Lab Sample ID: L91027-8

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEM-TROL BLASDELL, NY
Origin: DISSOLVED, POST-STRIPPER
Description: GRAB
Sampled On: 12-JUL-02 11:52 by CLIENT
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Iron	U	mg/l	0.040	23-JUL-02 02:27	EPA 200.7	02-057-01

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC QAR

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:02-AUG-2002

Lab Sample ID: L91027-9

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-19
Description: TRIP BLANK
Sampled On: 12-JUL-02 00:00 by LAB
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 624						
Chloromethane	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Vinyl chloride	U	ug/l	2	22-JUL-02 20:53	EPA 624	02-039-3210
Bromomethane	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Chloroethane	U	ug/l	10	22-JUL-02 20:53	EPA 624	02-039-3210
Trichlorofluoromethane	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Acrolein	U	ug/l	20	22-JUL-02 20:53	EPA 624	02-039-3210
1,1-Dichloroethene	U	ug/l	10	22-JUL-02 20:53	EPA 624	02-039-3210
Methylene chloride	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Acrylonitrile	U	ug/l	20	22-JUL-02 20:53	EPA 624	02-039-3210
trans-1,2-Dichloroethene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
1,1-Dichloroethane	U	ug/l	10	22-JUL-02 20:53	EPA 624	02-039-3210
cis-1,2-Dichloroethene	U	ug/l	10	22-JUL-02 20:53	EPA 624	02-039-3210
Carbon tetrachloride	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Chloroform	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
1,1,1-Trichloroethane	U	ug/l	10	22-JUL-02 20:53	EPA 624	02-039-3210
Benzene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
1,2-Dichloroethane	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Trichloroethene	U	ug/l	10	22-JUL-02 20:53	EPA 624	02-039-3210
1,2-Dichloropropane	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Bromodichloromethane	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
2-Chloroethylvinylether	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
cis-1,3-Dichloropropene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Toluene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
trans-1,3-Dichloropropene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
1,1,2-Trichloroethane	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Tetrachloroethene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Dibromochloromethane	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Chlorobenzene	U	ug/l	10	22-JUL-02 20:53	EPA 624	02-039-3210
Ethylbenzene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
p-Xylene/m-Xylene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
o-Xylene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Styrene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
Bromoform	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
1,1,2,2-Tetrachloroethane	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
1,3-Dichlorobenzene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
1,4-Dichlorobenzene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
1,2-Dichlorobenzene	U	ug/l	5	22-JUL-02 20:53	EPA 624	02-039-3210
O-Chlorotoluene	U	ug/l	10	22-JUL-02 20:53	EPA 624	02-039-3210

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:02-AUG-2002

Lab Sample ID: L91027-9

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-19
Description: TRIP BLANK
Sampled On: 12-JUL-02 00:00 by LAB
Date Received: 13-JUL-02 09:45
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	104	%				02-039-3210
Toluene-d8	97	%				02-039-3210
4-Bromofluorobenzene	108	%				02-039-3210
1,2-Dichloroethane-d4	104	%				02-039-3210

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC RaR

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

PAGE ___ OF ___

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: EARTH TECH
ADDRESS: 40 British American Blvd. Latham, NY 12110
PHONE: 518 951-2229 FAX: 518 951-2300

INVOICE TO:
ADDRESS: Same

Sample Site: Chem-Trol 4818 Lake Ave Blissell, NY

P.O. #

PROJECT NO. / NAME: Chem-Trol

COPY TO:
ADDRESS:

91027

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
7/12/02 11:40	INFLUENT WATER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	624 + chlorotoluene, TSS, TDS, TAL metals, Dissolved Iron, Filtered Iron, O&G, pH 7.02	-1, -2 LAB USE ONLY
7/12/02 12:05	EFFLUENT WATER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	SAME AS ABOVE 8.06	-3, -4
7/12/02 11:45	pre-STRIPPER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	Dissolved Iron (unfiltered), Filtered Iron	-5, -6
7/12/02 11:52	post-STRIPPER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	Dissolved Iron (unfiltered), Filtered Iron, 95-845-408-19	-7, -8

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER: Keith A. Deck	7/12/02	[signature]	7/15/02 10:10	5° -9 T.B.
~~relby John Keyhm~~		~~7/15~~	7/13/02 12:00pm	Shipping $4.82
		Randy [illegible] 8/8/02		SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT MODERATE HIGH (please circle)

CUSTOMER CODE # _____ PAGE __ OF __

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY I • N • C

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: Chem-Trol 4818 Lake Ave Blasdell, NY

P.O. #

Untreated | Sodium thiosulfate | HCl pH <2 | Ascorbic acid & HCl pH <2 | HNO_3 pH <2 | H_2SO_4 pH <2 | NaOH pH >12 | NaOH & Zinc acetate pH >9 | Acetic Buffer pH <3 | Sodium sulfite

CLIENT: EARTH TECH
ADDRESS: 40 British American Blvd. Latham, NY 12110
PHONE: 518 951-2229 FAX: 518 951-2300

INVOICE TO: ADDRESS: Same

PROJECT NO. / NAME: Chem-Trol

COPY TO: ADDRESS:

91027

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
				LAB USE ONLY
7/12/02 11:40	INFLUENT WATER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	624 + chlorotoluene, TSS, TDS, TAL metals ~~Dissolved Iron~~, ~~Filtered Iron~~, O+G pH 7.02	-1, -2
7/12/02 12:05	EFFLUENT WATER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	SAME AS ABOVE 8.06	-3, -4
7/12/02 11:45	pre-STRIPPER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	Dissolved Iron (unfiltered) Filtered Iron	-5, -6
7/12/02 11:52	post-STRIPPER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	Dissolved Iron (unfiltered) Filtered Iron 95-845-108-19	-7, -8
				-9 T.B.

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER: Keith A. Beck	7/12/02	Julie Bugg	7/15/02 10:10	5°
		~~relby John Keyes/TBS 7/15~~ Randy Stiffler	7/13/02 12:06 pm ~~9:45 am~~	Shipping $4.82
		NS 8/8/02		SUSPECTED CONTAMINATION LEVEL: NONE SLIGHT MODERATE HIGH (please circle)

OPERATION AND MAINTENANCE CHECKLIST

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System
CHEM-TROL Site
Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Keith Decker Weather/Temperature: Sunny/80's

Date: 7/11-7/12/02 Arrival Time: 9 am (7/11/02) Departure Time: 1:30 pm (7/12)

Reason for Service: Monthly Operation and Maintenance, Sampling

Inspection Items:	OK:	Comments:
Site Appearance/Condition	X	
Building Exterior		
Overhead Door	X	
Siding	X	
Roof and Discharge Pipe	X	
Building Interior		
Indication of Spills or Leaks	X	
Building Heater		Turned heater off
Phone System	X	
Exhaust Fan	X	
Fire Extinguisher	X	
Groundwater Treatment System		
Air Stripper	X	
Iron Removal Filter	X	
Bag Filter	X	~ 9 psi

Groundwater Treatment System (continued)

Flow Meters	X	
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	Pump off – pulled pump and checked
EW-1 Transducer	X	
EW-1 Flow Meter	X	
EW-2 Pump	X	Pump off – pulled pump and checked
EW-2 Transducer	X	
EW- 2 Flow Meter	X	
EW-3 Pump	X	Pump off – pulled pump and checked
EW-3 Transducer	X	
TW-3 Flow Meter	X	

Effluent Discharge

Outfall		Not discharging to outfall – did not check
Meter Pit (if sanitary)		No meter pit
Cleanout		Did not check cleanout

Instrumentation/Readings:

EW-1

Pumping Rate	NW GPM
Water Level Above Transducer	Feet
Flow Meter Reading	391,000 gallons

EW-2

Pumping Rate	NW GPM
Water Level Above Transducer	feet
Flow Meter Reading	585,000 gallons

EW-3

Pumping Rate	NW GPM
Water Level Above Transducer	_____ feet
Flow Meter Reading	4,266 gallons

Air Stripper

Stripper Blower Pressure	_____ inches H_2O
Air Flow Rate	_____ ft/sec
Air Temperature in Stripper	_____ °F
Pressure Gauge- Left Leg	_____ inches H_2O
Pressure Gauge- Right Leg	_____ inches H_2O
Pressure/Vacuum on the Stripper	_____ inches H_2O

Effluent Flow

Total System Meter Reading	_____ gallons

Influent/Effluent Sampling

On a monthly basis, samples of the system influent and effluent must be collected and submitted for the following analyses:

- VOAs by EPA 8260
- Metals (Al, B, Fe, Mn, Zn)
- TDS
- TSS
- O&G

pH measurements must be made in the field:

Influent pH	7
Effluent pH	7

Notes/Explanations

(Please include any additional information on those items which require attention as indicated above.)

- Cleaned air stripper of iron buildup;
- Changed bag filter;
- Flushed discharge hose;
- Cleaned Iron Removal Filter and replaced filter media;
- Installed a new flow meter to measure flow for the entire system with remote unit mounted outside the building;
- Pulled pumps from each well and turned on by hand, each pump is working;
- Hard piped from under fence to manhole;
- Vacuumed floor of building; and
- Preformed monthly sampling event.

Monthly Operation and Maintenance

A copy of this checklist will be filled out on a monthly basis. This will be provide a basis for the reaction of the seasonal changes in water levels at the site and how the pumping of the treatment system is affecting this.

TABLES

Table 1
Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Effluent Parameters	Influent	Effluent	Treatment Requirements	(units)
Flow			Monitor	gpd
pH	7.0	8.1	6.5 to 8.5	standard units
Chloromethane	ND	ND		ug/L
Vinyl Chloride	ND	ND		ug/L
Bromomethane	ND	ND		ug/L
Chloroethane	ND	ND		ug/L
Trichlorofluoromethane	ND	ND		ug/L
Acrolein	ND	ND		ug/L
1,1-Dichloroethene	ND	ND		ug/L
Methylene Chloride	ND	ND		ug/L
Acrylonitrile	ND	ND		ug/L
trans-1,2-Dichloroethene	ND	ND		ug/L
1,1-Dichloroethane	ND	ND		ug/L
cis-1,2-Dichloroethene	ND	ND		ug/L
Carbon Tetrachloride	ND	ND		ug/L
Chloroform	ND	ND		ug/L
1,1,1-Trichloroethane	ND	ND		ug/L
Benzene	ND	ND		ug/L
1,2-Dichloroethane	ND	ND		ug/L
Trichloroethene	ND	ND		ug/L
1,2-Dichloropropane	ND	ND		ug/L
Bromodichloromethane	ND	ND		ug/L
2-Chloroethylvinylether	ND	ND		ug/L
cis-1,2-Dichloropropene	ND	ND		ug/L
Toluene	ND	ND		ug/L
trans-1,2-Diehloropropene	ND	ND		ug/L
1,1,2-Trichloroethane	ND	ND		ug/L
Tetrachloroethene	ND	ND		ug/L
Dibromochloromethane	ND	ND		ug/L
Chlorobenzene	ND	ND		ug/L
Ethylbenzene	ND	ND		ug/L
p-Xylene/m-Xylene	ND	ND		ug/L
o-Xylene	ND	ND		ug/L
Styrene	ND	ND		ug/L
Bromoform	ND	ND		ug/L
1,1,2,2-Tetrachlorethane	ND	ND		ug/L
1,3-Dichlorobenzene	ND	ND		ug/L
1,4-Dichlorobenzene	ND	ND		ug/L
1,2-Dichlorobenzene	ND	ND		ug/L
O-Chlorotoluene	3300	6		ug/L
Aluminum, Total	0.172	ND		ug/L
Antimony	ND	ND		ug/L
Arsenic, Total	ND	ND		ug/L
Barium, Total	0.066	0.066		ug/L
Beryllium	ND	ND		ug/L
Cadmium	ND	ND		ug/L
Calcium	97.2	99.6		ug/L
Chromium	ND	ND		ug/L
Cobalt	ND	ND		ug/L
Copper	0.02	ND		ug/L
Iron	1.3	1.15		ug/L
Lead	ND	ND		ug/L
Magnesium	31.4	32.2		ug/L
Manganese	0.384	0.393		ug/L
Mercury	ND	ND		ug/L
Nickel	0.021	ND		ug/L
Potassium	4.97	5.06		ug/L
Selenium	0.001	0.001		ug/L
Silver	0.12	ND		ug/L
Sodium	98.5	102		ug/L
Thallium	ND	ND		ug/L
Vanadium	ND	ND		ug/L
Zinc	0.352	ND		ug/L
Oil and Grease	ND	ND		mg/L
TDS	751	758		mg/L
TSS	4.2	3.8		mg/L

Notes:

1) Positive results are presented in bold typeface.

2) ND indicates Not Detected at or above the laboratory reporting limit.

3) NA indicates Not Applicable.

4) "J" indicates an estimated concentration below the method detection limit.

5) Boxed in bold denotes exceedance of treatment requirements.

Table 2
Summary of July 2002 O&M Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:	7/11/02	units
EW-1		
Pumping Rate	NW	GPM
Water Level Above Transducer	NW	feet
Flow Meter Reading	391,000	gallons
Pump Pressure	NW	psi
EW-2		
Pumping Rate	NW	GPM
Water Level Above Transducer	NW	feet
Flow Meter Reading	585,000	gallons
Pump Pressure	NW	psi
EW-3		
Pumping Rate	NW	GPM
Water Level Above Transducer	NW	feet
Flow Meter Reading	4,266	gallons
Pump Pressure	NW	psi
Air Stripper		
Stripper Blower Pressure	NW	inches H_2O
Air Temperature in Stripper	NW	°F
Pressure Gauge - Left Leg	NW	inches H_2O
Pressure Gauge - Right Leg	NW	inches H_2O
Pressure/Vacuum on the Stripper		inches H_2O
Bag Filter		
Pressure	NW	psi
Effluent Flow		
Total System Meter Reading	0	gallons

Note: N/A indicates Not Available.
NW - Not working

Table 3

August 2002 Groundwater Treatment System Air Sampling Data

Chem-Trol Site

Town of Hamburg, New York

Analyte	Post Air Stripper (PAS) 08/20/02 Results	RL
Dichlorodifluoromethane	NS	0.04
Chloromethane	NS	0.2
Vinyl Chloride	NS	0.06
Bromomethane	NS	0.2
Chloroethane	NS	0.1
1,1-Dichloroethene	NS	0.03
Trichlorofluoromethane	NS	0.04
Carbon Disulfide	NS	0.1
Methylene Chloride	NS	0.06
trans-1,2-Dichloroethene	NS	0.04
1,1-Dichloroethane	NS	0.03
cis-1,2-Dichloroethene	NS	0.04
Chloroform	NS	0.03
1,1,1-Trichloroethane	NS	0.02
Carbon Tetrachloride	NS	0.03
Benzene	NS	0.04
1,2-Dichloroethane	NS	0.04
Trichloroethene	NS	0.02
1,2-Dichloropropane	NS	0.03
Dibromomethane	NS	0.01
Bromodichloromethane	NS	0.009
cis-1,3-Dichloropropene	NS	0.02
Toluene	NS	0.03
trans-1,3-Dichloropropene	NS	0.04
1,1,2-Trichloroethane	NS	0.02
Tetrachloroethene	NS	0.03
Dibromochloromethane	NS	0.01
EDB(1,2-Dibromoethane)	NS	0.01
Chlorobenzene	NS	0.02
1,1,1,2-Tetrachloroethane	NS	0.02
Ethylbenzene	NS	0.03
p-Xylene/m-Xylene	NS	0.07
o-Xylene	NS	0.03
Styrene	NS	0.04
Bromoform	NS	0.01
1,1,2,2-Tetrachloroethane	NS	0.02
1,2,3-Trichloropropane	NS	0.05
1,3-Dichlorobenzene	NS	0.06

Notes:

1) All results are reported in ppm.
2) Positive results are presented in bold typeface.
3) ND indicates Not Detected (Below RL).
4) RL = Reporting Limit
5) NS = Not Sampled

Operation, Maintenance and Monitoring Report
August 2002

CHEM-TROL Site
Site 9-15-015

Prepared for:

SC HOLDINGS
4 LIBERTY LANE WEST
HAMPTON, NH 03842

Prepared by:

Earth Tech of New York, Inc.
40 British American Boulevard
Latham, New York 12110

40 British American Boulevard, Latham, New York 12110

October 15, 2002

Ms. Nicole Elliot, Industrial Wastewater Specialist
Erie County / Southtown's Sewage Treatment Agency
c/o Erie County Department of Environment and Planning
Room 1034
95 Franklin Street
Buffalo, New York 14202

RE: Erie County Sewer District No.3
S.C. Holdings, Inc.
4818 Lake Avenue
Blasdell, New York 14219
July, August and September Monthly Monitoring Reports

Dear Ms. Elliot:

Telephone
518.951.2200
Facsimile
518.951.2300

Enclosed please find the monthly reports for July, August and September. Earth Tech, Inc. (Earth Tech) is submitting these reports on behalf of our client S.C. Holdings, Inc. S.C. Holdings, Inc. has authorized Earth Tech to submit these reports on their behalf.

The enclosed report contains the following information:

- Sample Collection Field Sheet with Certification Statement;
- Figure showing sampling location;
- Copy of Analytical results (see discussion below) and Chain-of-Custody Form;
- Operation, Maintenance and Monitoring Checklist; and
- Summary Tables of Analytical Results and Flow Readings.

As discussed Earth Tech is currently having analysis by EPA Method 625 and 608 being performed on water samples collected from the site on October 4, 2002. These results will be forwarded to the Sewer District as soon as they become available.

On October 11, 2002, Earth Tech and its' subcontractor initiated installation of the underground sewer discharge line to the manhole on Lake Avenue. It is anticipated that this line will be operational during the week of October 14, 2002.

If you have any questions regarding the information presented in this report please do not hesitate to contact me at (518) 951-2229.

Sincerely,

EARTH TECH, INC.

Keith A. Decker
Project Manager

cc: David Moriera (S.C. Holdings)
Thomas Heines (McMahon and Mann)

SAMPLE COLLECTION FIELD SHEET

SAMPLE COLLECTION FIELD SHEET
CHEM-TROL SITE, BLASDELL, NEW YORK
PERMIT No. ST-15

Reporting Month:	August, 2002	
Date Sample Collected:	August 20, 2002	
Time Sample Collected:	3:00 pm	
Physical Observations:	- Smell	none
	- Odor	none
	- Consistency	water
	- Sight	clear
	- Floatable	none
	- Sheen	none
Water Meter Reading:	323,800 gallons	
Chain of Custody:	Attached	
Analysis Included in Report:	EPA Method 624 w/Chlorotoluene, TSS, TDS, TAL Metals, Oil & Grease, pH	
Drawing of Sampling Location:	Attached	
Signature of Sampler:	Attached on Chain-of-Custody	
Sample Preservation:	Samples packed in Ice for shipment	
Date Received at Laboratory:	August 22, 2002	

CERTIFICATION STATEMENT

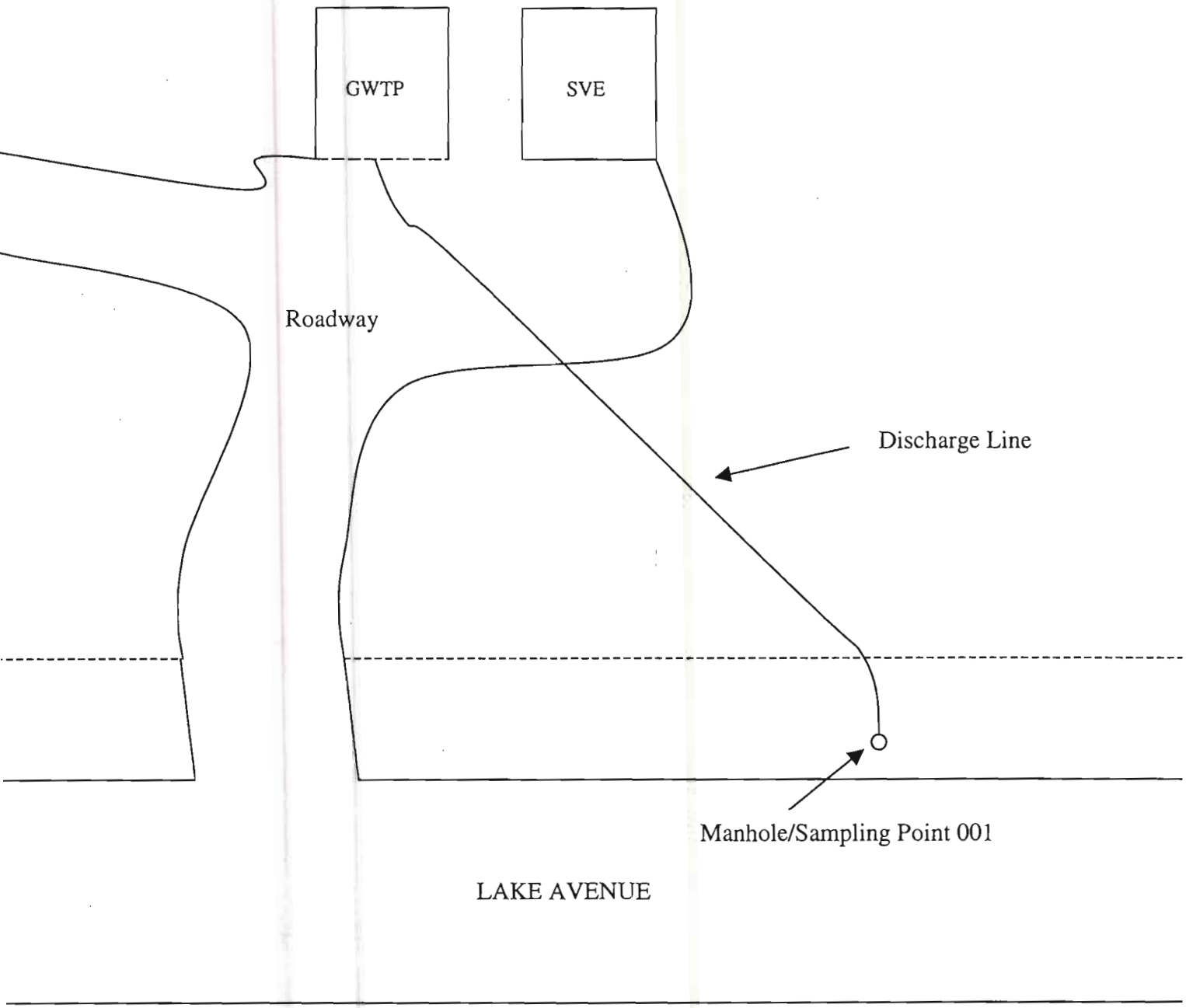
I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

Signature Date

FIGURE 1 – Sampling Location

CHEM-TROL SITE LAYOUT
FIGURE 1



LABORATORY REPORTS

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2002

Lab Sample ID: L92884-1

Earth Tech
Keith Decker
40 British American Blvd
Latham, NY 12110

RECEIVED
SEP 13 2002

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 20-AUG-02 14:30 by CLIENT
Date Received: 22-AUG-02 10:31
P.O. No: N/A

nalysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
H	7.12			22-AUG-02 10:31	EPA 150.1	02-071-50
Analysis Comment:pH as Received at Lab.						
il & Grease	U	mg/l	1	28-AUG-02 10:28	EPA 413.1	02-040-52
olids, Dissolved	725	mg/l	10	22-AUG-02 00:00	EPA 160.1	02-065-57
otal Suspended Solids	2.6	mg/l	2	22-AUG-02 19:18	EPA 160.2	02-079-24
luminum	2.89	mg/l	0.075	04-SEP-02 04:35	EPA 200.7	02-057-12
ntimony	U	mg/l	0.050	28-AUG-02 02:41	EPA 200.7	02-057-11
rsenic	U	mg/l	0.001	04-SEP-02 21:39	EPA 200.8	02-058-06
arium	0.079	mg/l	0.016	28-AUG-02 02:41	EPA 200.7	02-057-11
eryllium	U	mg/l	0.002	28-AUG-02 02:41	EPA 200.7	02-057-11
admium	U	mg/l	0.005	28-AUG-02 02:41	EPA 200.7	02-057-11
alcium	107	mg/l	0.500	28-AUG-02 02:41	EPA 200.7	02-057-11
hromium	0.011	mg/l	0.010	28-AUG-02 02:41	EPA 200.7	02-057-11
obalt	U	mg/l	0.0100	28-AUG-02 02:41	EPA 200.7	02-057-11
opper	0.557	mg/l	0.017	28-AUG-02 02:41	EPA 200.7	02-057-11
ron	1.51	mg/l	0.040	28-AUG-02 02:41	EPA 200.7	02-057-11
ead	U	mg/l	0.044	28-AUG-02 02:41	EPA 200.7	02-057-11
agnesium	35.7	mg/l	0.500	28-AUG-02 02:41	EPA 200.7	02-057-11
anganese	0.353	mg/l	0.005	28-AUG-02 02:41	EPA 200.7	02-057-11
ercury	U	mg/l	0.0002	27-AUG-02 00:00	EPA 245.1	01-002-70

roved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2002

Lab Sample ID: L92884-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 20-AUG-02 14:30 by CLIENT
Date Received: 22-AUG-02 10:31
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
ickel	0.073	mg/l	0.012	28-AUG-02 02:41	EPA 200.7	02-057-11
otassium	5.51	mg/l	0.500	28-AUG-02 02:41	EPA 200.7	02-057-11
elenium	U	mg/l	0.001	04-SEP-02 21:39	EPA 200.8	02-058-06
ilver	U	mg/l	0.010	28-AUG-02 02:41	EPA 200.7	02-057-11
odium	92.2	mg/l	0.200	28-AUG-02 02:41	EPA 200.7	02-057-11
hallium	U	mg/l	0.001	04-SEP-02 21:39	EPA 200.8	02-058-06
anadium	U	mg/l	0.010	28-AUG-02 02:41	EPA 200.7	02-057-11
inc	0.393	mg/l	0.020	28-AUG-02 02:41	EPA 200.7	02-057-11
PA 624						
hloromethane	7	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
inyl chloride	U	ug/l	2	28-AUG-02 22:19	EPA 624	02-039-3707
romomethane	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
hloroethane	12	ug/l	10	28-AUG-02 22:19	EPA 624	02-039-3707
richlorofluoromethane	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
crolein	U	ug/l	20	28-AUG-02 22:19	EPA 624	02-039-3707
1-Dichloroethene	U	ug/l	10	28-AUG-02 22:19	EPA 624	02-039-3707
ethylene chloride	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
crylonitrile	U	ug/l	20	28-AUG-02 22:19	EPA 624	02-039-3707
rans-1,2-Dichloroethene	8	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
1-Dichloroethane	160	ug/l	10	28-AUG-02 22:19	EPA 624	02-039-3707
s-1,2-Dichloroethene	U	ug/l	10	28-AUG-02 22:19	EPA 624	02-039-3707
rbon tetrachloride	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
loroform	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
1,1-Trichloroethane	100	ug/l	10	28-AUG-02 22:19	EPA 624	02-039-3707
nzene	18	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
2-Dichloroethane	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
richloroethene	U	ug/l	10	28-AUG-02 22:19	EPA 624	02-039-3707
2-Dichloropropane	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
omodichloromethane	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
Chloroethylvinylether	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
s-1,3-Dichloropropene	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
luene	12	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707

roved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2002

Lab Sample ID: L92884-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 20-AUG-02 14:30 by CLIENT
Date Received: 22-AUG-02 10:31
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
trans-1,3-Dichloropropene	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
1,1,2-Trichloroethane	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
Tetrachloroethene	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
Dibromochloromethane	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
Chlorobenzene	U	ug/l	10	28-AUG-02 22:19	EPA 624	02-039-3707
Ethylbenzene	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
p-Xylene/m-Xylene	20	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
o-Xylene	12	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
Styrene	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
Bromoform	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
1,1,2,2-Tetrachloroethane	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
1,3-Dichlorobenzene	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
1,4-Dichlorobenzene	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
1,2-Dichlorobenzene	U	ug/l	5	28-AUG-02 22:19	EPA 624	02-039-3707
2-Chlorotoluene	7000	ug/l	1000	03-SEP-02 21:59	EPA 624	02-039-3781
Surrogate Recovery:						
Dibromofluoromethane	103	%				02-039-3707
Dibromofluoromethane	106	%				02-039-3781
Toluene-d8	97	%				02-039-3781
Toluene-d8	98	%				02-039-3707
4-Bromofluorobenzene	95	%				02-039-3707
4-Bromofluorobenzene	103	%				02-039-3781
1,2-Dichloroethane-d4	104	%				02-039-3707
1,2-Dichloroethane-d4	110	%				02-039-3781

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2002

Lab Sample ID: L92884-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 20-AUG-02 15:00 by CLIENT
Date Received: 22-AUG-02 10:31
P.O. No: N/A

nalysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
H	8.28			22-AUG-02 10:31	EPA 150.1	02-071-50
Analysis Comment:pH as Received at Lab.						
il & Grease	U	mg/l	1	28-AUG-02 10:28	EPA 413.1	02-040-52
olids, Dissolved	729	mg/l	10	22-AUG-02 00:00	EPA 160.1	02-065-57
otal Suspended Solids	7	mg/l	2	22-AUG-02 19:18	EPA 160.2	02-079-24
luminum	U	mg/l	0.075	28-AUG-02 02:44	EPA 200.7	02-057-11
ntimony	U	mg/l	0.050	28-AUG-02 02:44	EPA 200.7	02-057-11
rsenic	U	mg/l	0.001	04-SEP-02 22:07	EPA 200.8	02-058-06
arium	0.076	mg/l	0.016	28-AUG-02 02:44	EPA 200.7	02-057-11
eryllium	U	mg/l	0.002	28-AUG-02 02:44	EPA 200.7	02-057-11
admium	U	mg/l	0.005	28-AUG-02 02:44	EPA 200.7	02-057-11
alcium	111	mg/l	0.500	28-AUG-02 02:44	EPA 200.7	02-057-11
hromium	U	mg/l	0.010	28-AUG-02 02:44	EPA 200.7	02-057-11
obalt	U	mg/l	0.0100	28-AUG-02 02:44	EPA 200.7	02-057-11
opper	U	mg/l	0.017	28-AUG-02 02:44	EPA 200.7	02-057-11
ron	1.33	mg/l	0.040	28-AUG-02 02:44	EPA 200.7	02-057-11
ead	U	mg/l	0.044	28-AUG-02 02:44	EPA 200.7	02-057-11
agnesium	36.6	mg/l	0.500	28-AUG-02 02:44	EPA 200.7	02-057-11
anganese	0.349	mg/l	0.005	28-AUG-02 02:44	EPA 200.7	02-057-11
ercury	U	mg/l	0.0002	27-AUG-02 00:00	EPA 245.1	01-002-70

roved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2002

Lab Sample ID: L92884-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 20-AUG-02 15:00 by CLIENT
Date Received: 22-AUG-02 10:31
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Nickel	U	mg/l	0.012	28-AUG-02 02:44	EPA 200.7	02-057-11
Potassium	5.34	mg/l	0.500	28-AUG-02 02:44	EPA 200.7	02-057-11
Selenium	U	mg/l	0.001	04-SEP-02 22:07	EPA 200.8	02-058-06
Silver	U	mg/l	0.010	28-AUG-02 02:44	EPA 200.7	02-057-11
Sodium	93.5	mg/l	0.200	28-AUG-02 02:44	EPA 200.7	02-057-11
Thallium	U	mg/l	0.001	04-SEP-02 22:07	EPA 200.8	02-058-06
Vanadium	U	mg/l	0.010	28-AUG-02 02:44	EPA 200.7	02-057-11
Zinc	U	mg/l	0.020	28-AUG-02 02:44	EPA 200.7	02-057-11
EPA 624						
Chloromethane	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
Vinyl chloride	U	ug/l	2	29-AUG-02 17:16	EPA 624	02-039-3721
Bromomethane	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
Chloroethane	U	ug/l	10	29-AUG-02 17:16	EPA 624	02-039-3721
Trichlorofluoromethane	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
Acrolein	U	ug/l	20	29-AUG-02 17:16	EPA 624	02-039-3721
1,1-Dichloroethene	U	ug/l	10	29-AUG-02 17:16	EPA 624	02-039-3721
Methylene chloride	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
Acrylonitrile	U	ug/l	20	29-AUG-02 17:16	EPA 624	02-039-3721
trans-1,2-Dichloroethene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
1,1-Dichloroethane	U	ug/l	10	29-AUG-02 17:16	EPA 624	02-039-3721
cis-1,2-Dichloroethene	U	ug/l	10	29-AUG-02 17:16	EPA 624	02-039-3721
Carbon tetrachloride	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
Chloroform	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
1,1,1-Trichloroethane	U	ug/l	10	29-AUG-02 17:16	EPA 624	02-039-3721
Benzene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
1,2-Dichloroethane	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
Trichloroethene	U	ug/l	10	29-AUG-02 17:16	EPA 624	02-039-3721
1,2-Dichloropropane	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
Bromodichloromethane	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
2-Chloroethylvinylether	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
cis-1,3-Dichloropropene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
Toluene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2002

Lab Sample ID: L92884-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 20-AUG-02 15:00 by CLIENT
Date Received: 22-AUG-02 10:31
P.O. No: N/A

nalysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
rans-1,3-Dichloropropene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
,1,2-Trichloroethane	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
etrachloroethene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
ibromochloromethane	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
hlorobenzene	U	ug/l	10	29-AUG-02 17:16	EPA 624	02-039-3721
thylbenzene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
-Xylene/m-Xylene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
-Xylene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
tyrene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
romoform	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
,1,2,2-Tetrachloroethane	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
,3-Dichlorobenzene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
,4-Dichlorobenzene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
,2-Dichlorobenzene	U	ug/l	5	29-AUG-02 17:16	EPA 624	02-039-3721
-Chlorotoluene	10	ug/l	10	29-AUG-02 17:16	EPA 624	02-039-3721
urrogate Recovery:						
ibromofluoromethane	103	%				02-039-3721
oluene-d8	95	%				02-039-3721
-Bromofluorobenzene	97	%				02-039-3721
,2-Dichloroethane-d4	103	%				02-039-3721

proved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2002

Lab Sample ID: L92884-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-19
Description: TRIP BLANK
Sampled On: 20-AUG-02 00:00 by LAB
Date Received: 22-AUG-02 10:31
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
PA 624						
loromethane	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
nyl chloride	U	ug/l	2	28-AUG-02 19:27	EPA 624	02-039-3702
omomethane	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
loroethane	U	ug/l	10	28-AUG-02 19:27	EPA 624	02-039-3702
ichlorofluoromethane	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
rolein	U	ug/l	20	28-AUG-02 19:27	EPA 624	02-039-3702
1-Dichloroethene	U	ug/l	10	28-AUG-02 19:27	EPA 624	02-039-3702
thylene chloride	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
rylonitrile	U	ug/l	20	28-AUG-02 19:27	EPA 624	02-039-3702
ans-1,2-Dichloroethene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
1-Dichloroethane	U	ug/l	10	28-AUG-02 19:27	EPA 624	02-039-3702
s-1,2-Dichloroethene	U	ug/l	10	28-AUG-02 19:27	EPA 624	02-039-3702
rbon tetrachloride	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
loroform	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
1,1-Trichloroethane	U	ug/l	10	28-AUG-02 19:27	EPA 624	02-039-3702
nzene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
2-Dichloroethane	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
ichloroethene	U	ug/l	10	28-AUG-02 19:27	EPA 624	02-039-3702
2-Dichloropropane	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
omodichloromethane	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
Chloroethylvinylether	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
s-1,3-Dichloropropene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
luene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
ans-1,3-Dichloropropene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
1,2-Trichloroethane	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
trachloroethene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
bromochloromethane	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
lorobenzene	U	ug/l	10	28-AUG-02 19:27	EPA 624	02-039-3702
hylbenzene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
Xylene/m-Xylene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
Xylene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
yrene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
omoform	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
1,2,2-Tetrachloroethane	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
3-Dichlorobenzene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
4-Dichlorobenzene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
2-Dichlorobenzene	U	ug/l	5	28-AUG-02 19:27	EPA 624	02-039-3702
Chlorotoluene	U	ug/l	10	28-AUG-02 19:27	EPA 624	02-039-3702

roved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:10-SEP-2002

Lab Sample ID: L92884-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-19
Description: TRIP BLANK
Sampled On: 20-AUG-02 00:00 by LAB
Date Received: 22-AUG-02 10:31
P.O. No: N/A

Analysis Performed	Result		Units	Detection Limit	Date Analyzed	Method	Notebook Reference
urrogate Recovery:							
ibromofluoromethane	106		%				02-039-3702
oluene-d8	96		%				02-039-3702
-Bromofluorobenzene	118	*	%				02-039-3702
,2-Dichloroethane-d4	104		%				02-039-3702

Analysis Comment:* - Surrogate recovery above laboratory limit.

roved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

CUSTOMER CODE # _____

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

FLI
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ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: CHEMTROL
4818 LAKE AVE
BLASDELL, NY

P.O. #

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: EARTH TECH
ADDRESS: 40 BRITISH AMERICAN BLVD
LATHAM, NY 12110
PHONE: 518-951-2229 FAX: 518-951-2300

INVOICE TO:
ADDRESS: SAME

PROJECT NO. / NAME
CHEM-TROL

COPY TO:
ADDRESS:

92884

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
8/20/02 2:30	INFLUENT WATER	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	624 + chlorotoluene, TSS, TDS, TAL metals, O+G, PH 7.12	LAB USE ONLY -1
8/20/02 3:00	Effluent WATER	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	SAME as above 8.28	-2
	T.B. 95-045-1089	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		-3
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER Paul Sleasman	8/20/02	Lou Jones	8/22/02 10:31	-1 Shipping $44.25 Two Coolers over nite

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

FLI FRIEND LABORATORY I • N • C

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: CHEMTROL
4818 LAKE AVE
BLASDELL, NY

P.O. #

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: EARTH TECH
ADDRESS: 40 BRITISH AMERICAN BLVD
LATHAM, NY 12110
PHONE: 518-951-7279 FAX: 518-951-7300

INVOICE TO:
ADDRESS: SAME

PROJECT NO. / NAME
CHEM-TROL

COPY TO:
ADDRESS:

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
8/20/02 2:30	INFLUENT WATER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	624 + chlorotoluene, TSS, TDS, TAL metals, 1016, PH	LAB USE ONLY
8/20/02 3:00	Effluent WATER	Description: (Grab) Composite Other Matrix: DW (WW) MW Soil Air Other	SAME AS above	
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER Paul Sleesman	8/20/02			Shipping $44.25 Two Coolers overnite
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

OPERATION AND MAINTENANCE CHECKLIST

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System
CHEM-TROL Site
Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Paul Sleasman Weather/Temperature: Sunny/80's

Date: 8/20/02 Arrival Time: 10:30 am Departure Time: 4:00 pm

Reason for Service: Monthly Operation and Maintenance, Sampling

Inspection Items:	OK:	Comments:
Site Appearance/Condition	X	
Building Exterior		
Overhead Door	X	
Siding	X	
Roof and Discharge Pipe	X	
Building Interior		
Indication of Spills or Leaks	X	
Building Heater	X	
Phone System	X	
Exhaust Fan	X	
Fire Extinguisher	X	
Groundwater Treatment System		
Air Stripper	X	
Iron Removal Filter	X	
Bag Filter	X	~ 8 psi

Groundwater Treatment System (continued)

Flow Meters	X	
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	8/20/02 – Well #1 low level alarm
		Well #2 low level alarm

Groundwater Treatment Wells

EW-1 Pump	X	Pump running
EW-1 Transducer	X	
EW-1 Flow Meter	X	
EW-2 Pump	X	Pump running
EW-2 Transducer	X	
EW- 2 Flow Meter	X	
EW-3 Pump	X	Pump running
EW-3 Transducer	X	
TW-3 Flow Meter	X	

Effluent Discharge

Outfall		Not discharging to outfall – did not check
Meter Pit (if sanitary)		No meter pit
Cleanout		Did not check cleanout

Instrumentation/Readings:

EW-1

Pumping Rate	0	GPM
Water Level Above Transducer	132	Inches
Flow Meter Reading	459,468	gallons

EW-2

Pumping Rate	5-6	GPM
Water Level Above Transducer	232	Inches
Flow Meter Reading	643,910	gallons

EW-3

Pumping Rate	0 GPM
Water Level Above Transducer	207 Inches
Flow Meter Reading	4,266 gallons

Air Stripper

Stripper Blower Pressure	_____ inches H_2O
Air Flow Rate	_____ ft/sec
Air Temperature in Stripper	_____ °F
Pressure Gauge- Left Leg	_____ inches H_2O
Pressure Gauge- Right Leg	_____ inches H_2O
Pressure/Vacuum on the Stripper	_____ inches H_2O

Effluent Flow

Total System Meter Reading	323,800 gallons

**Note Total Flow meter not installed until 7/12/02

Influent/Effluent Sampling

On a monthly basis, samples of the system influent and effluent must be collected and submitted for the following analyses:

- VOAs by EPA 8260
- Metals (Al, B, Fe, Mn, Zn)
- TDS
- TSS
- O&G

pH measurements must be made in the field:

Influent pH	7
Effluent pH	7

Notes/Explanations

(Please include any additional information on those items which require attention as indicated above.)

- Cleaned air stripper of iron buildup;
- Changed bag filter;
- Cleaned Iron Removal Filter and replaced filter media;
- Preformed monthly sampling event.

Monthly Operation and Maintenance

A copy of this checklist will be filled out on a monthly basis. This will be provide a basis for the reaction of the seasonal changes in water levels at the site and how the pumping of the treatment system is affecting this.

TABLES

Table 1
August 2002 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Effluent Parameters	Influent	Effluent	Treatment Requirements	(units)
Flow			Monitor	gpd
pH	7.1	8.3	6.5 to 8.5	standard units
Chloromethane	7	ND		ug/L
Vinyl Chloride	ND	ND		ug/L
Bromomethane	ND	ND		ug/L
Chloroethane	12	ND		ug/L
Trichlorofluoromethane	ND	ND		ug/L
Acrolein	ND	ND		ug/L
1,1-Dichloroethene	ND	ND		ug/L
Methylene Chloride	ND	ND		ug/L
Acrylonitrile	ND	ND		ug/L
trans-1,2-Dichloroethene	8	ND		ug/L
1,1-Dichloroethane	160	ND		ug/L
cis-1,2-Dichloroethene	ND	ND		ug/L
Carbon Tetrachloride	ND	ND		ug/L
Chloroform	ND	ND		ug/L
1,1,1-Trichloroethane	100	ND		ug/L
Benzene	18	ND		ug/L
1,2-Dichloroethane	ND	ND		ug/L
Trichloroethene	ND	ND		ug/L
1,2-Dichloropropane	ND	ND		ug/L
Bromodichloromethane	ND	ND		ug/L
2-Chloroethylvinylether	ND	ND		ug/L
cis-1,2-Dichloropropene	ND	ND		ug/L
Toluene	12	ND		ug/L
trans-1,2-Dichloropropene	ND	ND		ug/L
1,1,2-Trichloroethane	ND	ND		ug/L
Tetrachloroethene	ND	ND		ug/L
Dibromochloromethane	ND	ND		ug/L
Chlorobenzene	ND	ND		ug/L
Ethylbenzene	ND	ND		ug/L
p-Xylene/m-Xylene	20	ND		ug/L
o-Xylene	12	ND		ug/L
Styrene	ND	ND		ug/L
Bromoform	ND	ND		ug/L
1,1,2,2-Tetrachlorethane	ND	ND		ug/L
1,3-Dichlorobenzene	ND	ND		ug/L
1,4-Dichlorobenzene	ND	ND		ug/L
1,2-Dichlorobenzene	ND	ND		ug/L
O-Chlorotoluene	**7000**	**10**		ug/L
Aluminum, Total	2.89	ND		ug/L
Antimony	ND	ND		ug/L
Arsenic, Total	ND	ND		ug/L
Barium, Total	0.079	0.076		ug/L
Beryllium	ND	ND		ug/L
Cadmium	ND	ND		ug/L
Calcium	107	111		ug/L
Chromium	0.011	ND		ug/L
Cobalt	ND	ND		ug/L
Copper	0.557	ND		ug/L
Iron	**1.51**	1.33		ug/L
Lead	ND	ND		ug/L
Magnesium	35.7	36.6		ug/L
Manganese	0.353	0.349		ug/L
Mercury	ND	ND		ug/L
Nickel	0.073	ND		ug/L
Potassium	5.51	5.34		ug/L
Selenium	ND	0.001		ug/L
Silver	ND	ND		ug/L
Sodium	92.2	93.5		ug/L
Thallium	ND	ND		ug/L
Vanadium	ND	ND		ug/L
Zinc	0.393	ND		ug/L
Oil and Grease	ND	ND		mg/L
TDS	725	729		mg/L
TSS	2.6	7		mg/L

Notes:

1) Positive results are presented in **bold** *typeface.*

2) ND indicates Not Detected at or above the laboratory reporting limit.

3) NA indicates Not Applicable.

4) "J" indicates an estimated concentration below the method detection limit.

5) Boxed in **bold** *denotes exceedance of treatment requirements.*

* Average daily flow as measured May 15, 2002 to May 29, 2002.

Table 2
Summary of August 2002 O&M Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:		**8/20/02**	**units**
EW-1			
	Pumping Rate	0	GPM
	Water Level Above Transducer	132	Inches
	Flow Meter Reading	459,468	gallons
EW-2			
	Pumping Rate	5 - 6	GPM
	Water Level Above Transducer	232	Inches
	Flow Meter Reading	643,910	gallons
EW-3			
	Pumping Rate	0	GPM
	Water Level Above Transducer	207	Inches
	Flow Meter Reading	4,266	gallons
Air Stripper			
	Stripper Blower Pressure	NW	inches H_2O
	Air Temperature in Stripper	NW	°F
	Pressure Gauge - Left Leg	NW	inches H_2O
	Pressure Gauge - Right Leg	NW	inches H_2O
	Pressure/Vacuum on the Stripper		inches H_2O
Effluent Flow			
	Total System Meter Reading	323,800	gallons

Note: N/A indicates Not Available.
NW - Not working

Table 3
July 2002 Groundwater Treatment System Air Sampling Data
Chem-Trol Site
Town of Hamburg, New York

Analyte	Post Air Stripper (PAS) 07/11/02 Results	RL
Dichlorodifluoromethane	NS	0.04
Chloromethane	NS	0.2
Vinyl Chloride	NS	0.06
Bromomethane	NS	0.2
Chloroethane	NS	0.1
1,1-Dichloroethene	NS	0.03
Trichlorofluoromethane	NS	0.04
Carbon Disulfide	NS	0.1
Methylene Chloride	NS	0.06
trans-1,2-Dichloroethene	NS	0.04
1,1-Dichloroethane	NS	0.03
cis-1,2-Dichloroethene	NS	0.04
Chloroform	NS	0.03
1,1,1-Trichloroethane	NS	0.02
Carbon Tetrachloride	NS	0.03
Benzene	NS	0.04
1,2-Dichloroethane	NS	0.04
Trichloroethene	NS	0.02
1,2-Dichloropropane	NS	0.03
Dibromomethane	NS	0.01
Bromodichloromethane	NS	0.009
cis-1,3-Dichloropropene	NS	0.02
Toluene	NS	0.03
trans-1,3-Dichloropropene	NS	0.04
1,1,2-Trichloroethane	NS	0.02
Tetrachloroethene	NS	0.03
Dibromochloromethane	NS	0.01
EDB(1,2-Dibromoethane)	NS	0.01
Chlorobenzene	NS	0.02
1,1,1,2-Tetrachloroethane	NS	0.02
Ethylbenzene	NS	0.03
p-Xylene/m-Xylene	NS	0.07
o-Xylene	NS	0.03
Styrene	NS	0.04
Bromoform	NS	0.01
1,1,2,2-Tetrachloroethane	NS	0.02
1,2,3-Trichloropropane	NS	0.05
1,3-Dichlorobenzene	NS	0.06

Notes:

1) All results are reported in ppm.
2) Positive results are presented in bold typeface.
3) ND indicates Not Detected (Below RL).
4) RL = Reporting Limit
5) NS = Not Sampled

Operation, Maintenance and Monitoring Report
September 2002

CHEM-TROL Site
Site 9-15-015

Prepared for:

SC HOLDINGS
4 LIBERTY LANE WEST
HAMPTON, NH 03842

Prepared by:

Earth Tech of New York, Inc.
40 British American Boulevard
Latham, New York 12110

40 British American Boulevard, Latham, New York 12110

October 15, 2002

Ms. Nicole Elliot, Industrial Wastewater Specialist
Erie County / Southtown's Sewage Treatment Agency
c/o Erie County Department of Environment and Planning
Room 1034
95 Franklin Street
Buffalo, New York 14202

RE: Erie County Sewer District No.3
S.C. Holdings, Inc.
4818 Lake Avenue
Blasdell, New York 14219
July, August and September Monthly Monitoring Reports

Dear Ms. Elliot:

Telephone
518.951.2200
Facsimile
518.951.2300

Enclosed please find the monthly reports for July, August and September. Earth Tech, Inc. (Earth Tech) is submitting these reports on behalf of our client S.C. Holdings, Inc. S.C. Holdings, Inc. has authorized Earth Tech to submit these reports on their behalf.

The enclosed report contains the following information:

- Sample Collection Field Sheet with Certification Statement;
- Figure showing sampling location;
- Copy of Analytical results (see discussion below) and Chain-of-Custody Form;
- Operation, Maintenance and Monitoring Checklist; and
- Summary Tables of Analytical Results and Flow Readings.

As discussed Earth Tech is currently having analysis by EPA Method 625 and 608 being performed on water samples collected from the site on October 4, 2002. These results will be forwarded to the Sewer District as soon as they become available.

On October 11, 2002, Earth Tech and its' subcontractor initiated installation of the underground sewer discharge line to the manhole on Lake Avenue. It is anticipated that this line will be operational during the week of October 14, 2002.

If you have any questions regarding the information presented in this report please do not hesitate to contact me at (518) 951-2229.

Sincerely,

EARTH TECH, INC.

Keith A. Decker
Project Manager

cc: David Moriera (S.C. Holdings)
Thomas Heines (McMahon and Mann)

SAMPLE COLLECTION FIELD SHEET

SAMPLE COLLECTION FIELD SHEET
CHEM-TROL SITE, BLASDELL, NEW YORK
PERMIT No. ST-15

Reporting Month:	September, 2002	
Date Sample Collected:	September 19, 2002	
Time Sample Collected:	3:00 pm	
Physical Observations:	- Smell	none
	- Odor	none
	- Consistency	water
	- Sight	clear
	- Floatable	none
	- Sheen	none
Water Meter Reading:	726,100 gallons	
Chain of Custody:	Attached	
Analysis Included in Report:	EPA Method 624 w/Chlorotoluene, TSS, TDS, TAL Metals, Oil & Grease, pH	
Drawing of Sampling Location:	Attached	
Signature of Sampler:	Attached on Chain-of-Custody	
Sample Preservation:	Samples packed in Ice for shipment	
Date Received at Laboratory:	September 23, 2002	

CERTIFICATION STATEMENT

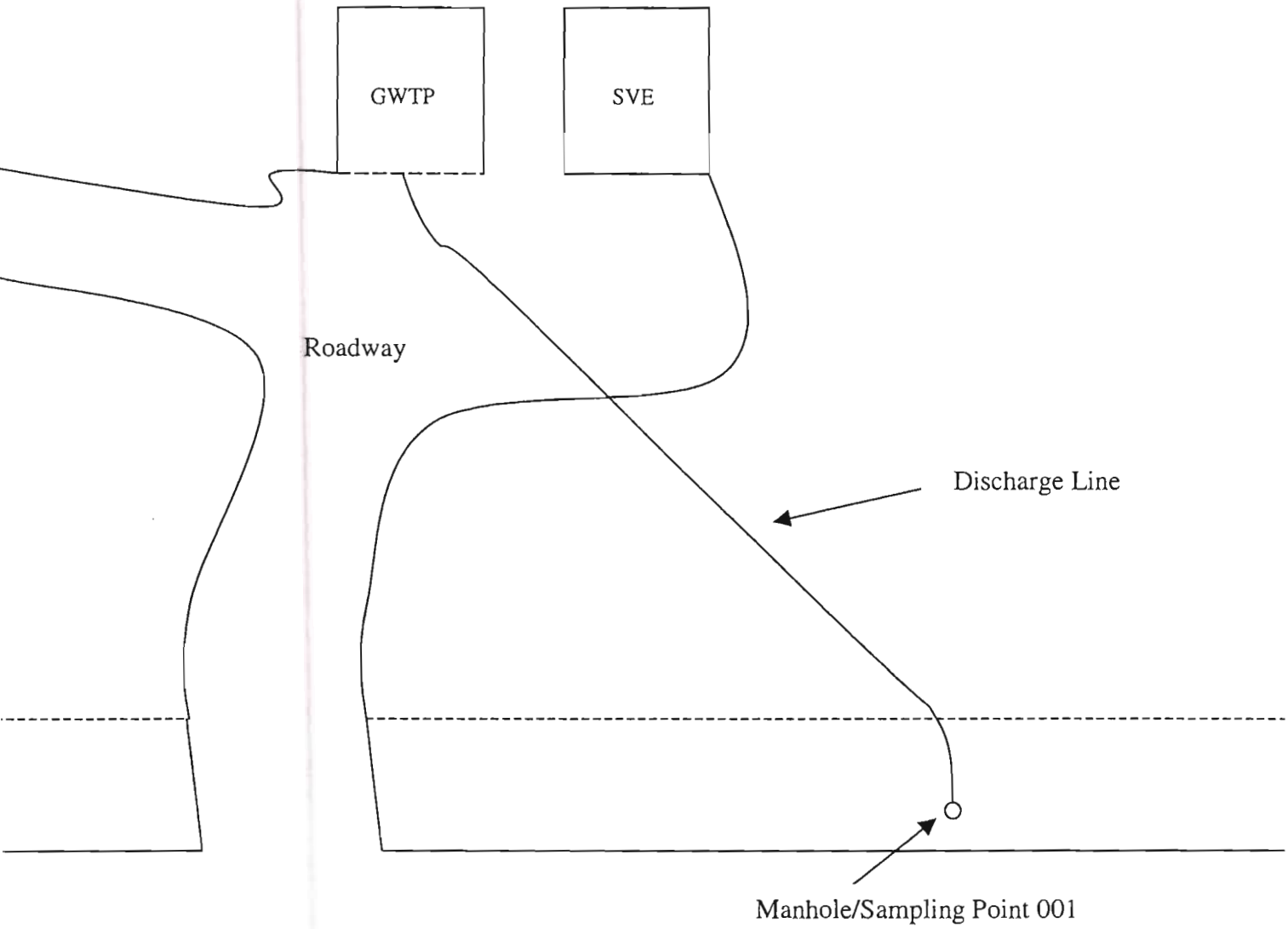
I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

Signature Date

FIGURE 1 – Sampling Location

CHEM-TROL SITE LAYOUT
FIGURE 1



LABORATORY REPORTS

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:08-OCT-2002

Lab Sample ID: L94361-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

OCT 11 2002

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 19-SEP-02 14:30 by CLIENT
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
pH	7.18			23-SEP-02 07:51	EPA 150.1	02-071-72
Analysis Comment:pH as Received at Lab.						
Oil & Grease	U	mg/l	1	04-OCT-02 08:31	EPA 413.1	02-040-64
Solids, Dissolved	810	mg/l	10	29-SEP-02 00:00	EPA 160.1	02-065-64
Total Suspended Solids	8.4	mg/l	2	24-SEP-02 16:23	EPA 160.2	02-079-37
Aluminum	U	mg/l	0.075	26-SEP-02 07:26	EPA 200.7	02-059-06
Antimony	U	mg/l	0.050	26-SEP-02 07:26	EPA 200.7	02-059-06
Arsenic	U	mg/l	0.001	01-OCT-02 12:30	EPA 200.8	02-058-17
Barium	0.075	mg/l	0.016	26-SEP-02 07:26	EPA 200.7	02-059-06
Beryllium	U	mg/l	0.002	26-SEP-02 07:26	EPA 200.7	02-059-06
Cadmium	U	mg/l	0.005	26-SEP-02 07:26	EPA 200.7	02-059-06
Calcium	116	mg/l	0.500	26-SEP-02 07:26	EPA 200.7	02-059-06
Chromium	U	mg/l	0.010	26-SEP-02 07:26	EPA 200.7	02-059-06
Cobalt	U	mg/l	0.0100	26-SEP-02 07:26	EPA 200.7	02-059-06
Copper	U	mg/l	0.017	26-SEP-02 07:26	EPA 200.7	02-059-06
Iron	0.856	mg/l	0.040	26-SEP-02 07:26	EPA 200.7	02-059-06
Lead	U	mg/l	0.044	26-SEP-02 07:26	EPA 200.7	02-059-06
Magnesium	36	mg/l	0.500	26-SEP-02 07:26	EPA 200.7	02-059-06
Manganese	0.341	mg/l	0.005	26-SEP-02 07:26	EPA 200.7	02-059-06
Mercury	U	mg/l	0.0002	01-OCT-02 00:00	EPA 245.1	01-002-75

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

Key: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:08-OCT-2002

Lab Sample ID: L94361-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 19-SEP-02 14:30 by CLIENT
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

nalysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
ickel	U	mg/l	0.012	26-SEP-02 07:26	EPA 200.7	02-059-06
otassium	5.39	mg/l	0.500	26-SEP-02 07:26	EPA 200.7	02-059-06
elenium	U	mg/l	0.001	01-OCT-02 12:30	EPA 200.8	02-058-17
odium	92.1	mg/l	0.200	26-SEP-02 07:26	EPA 200.7	02-059-06
hallium	U	mg/l	0.001	07-OCT-02 00:00	EPA 200.8	02-102-01
anadium	U	mg/l	0.010	26-SEP-02 07:26	EPA 200.7	02-059-06
inc	0.02	mg/l	0.020	26-SEP-02 07:26	EPA 200.7	02-059-06
PA 624						
hloromethane	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
inyl chloride	U	ug/l	100	01-OCT-02 15:53	EPA 624	02-092-4157
romomethane	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
hloroethane	U	ug/l	500	01-OCT-02 15:53	EPA 624	02-092-4157
richlorofluoromethane	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
crolein	U	ug/l	1000	01-OCT-02 15:53	EPA 624	02-092-4157
,1-Dichloroethene	U	ug/l	500	01-OCT-02 15:53	EPA 624	02-092-4157
ethylene chloride	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
crylonitrile	U	ug/l	1000	01-OCT-02 15:53	EPA 624	02-092-4157
rans-1,2-Dichloroethene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
,1-Dichloroethane	U	ug/l	500	01-OCT-02 15:53	EPA 624	02-092-4157
is-1,2-Dichloroethene	U	ug/l	500	01-OCT-02 15:53	EPA 624	02-092-4157
arbon tetrachloride	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
hloroform	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
,1,1-Trichloroethane	U	ug/l	500	01-OCT-02 15:53	EPA 624	02-092-4157
enzene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
,2-Dichloroethane	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
richloroethene	U	ug/l	500	01-OCT-02 15:53	EPA 624	02-092-4157
2-Dichloropropane	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
romodichloromethane	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
Chloroethylvinylether	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
s-1,3-Dichloropropene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
oluene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
ans-1,3-Dichloropropene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
1,2-Trichloroethane	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157

roved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:08-OCT-2002

Lab Sample ID: L94361-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 19-SEP-02 14:30 by CLIENT
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

nalysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
etrachloroethene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
ibromochloromethane	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
hlorobenzene	U	ug/l	500	01-OCT-02 15:53	EPA 624	02-092-4157
thylbenzene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
-Xylene/m-Xylene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
-Xylene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
tyrene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
romoform	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
,1,2,2-Tetrachloroethane	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
,3-Dichlorobenzene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
,4-Dichlorobenzene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
,2-Dichlorobenzene	U	ug/l	250	01-OCT-02 15:53	EPA 624	02-092-4157
-Chlorotoluene	6500	ug/l	500	01-OCT-02 15:53	EPA 624	02-092-4157
urrogate Recovery:						
ibromofluoromethane	102	%				02-092-4157
oluene-d8	99	%				02-092-4157
-Bromofluorobenzene	99	%				02-092-4157
,2-Dichloroethane-d4	105	%				02-092-4157

roved by: _____
Lab Director

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32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 08-OCT-2002

Lab Sample ID: L94361-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 19-SEP-02 15:00 by CLIENT
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
H	8.38			23-SEP-02 07:51	EPA 150.1	02-071-72
Analysis Comment:pH as Received at Lab.						
il & Grease	U	mg/l	1	04-OCT-02 08:31	EPA 413.1	02-040-64
olids, Dissolved	801	mg/l	10	29-SEP-02 00:00	EPA 160.1	02-065-64
otal Suspended Solids	3.8	mg/l	2	24-SEP-02 16:23	EPA 160.2	02-079-37
luminum	U	mg/l	0.075	26-SEP-02 07:32	EPA 200.7	02-059-06
ntimony	U	mg/l	0.050	26-SEP-02 07:32	EPA 200.7	02-059-06
rsenic	U	mg/l	0.001	01-OCT-02 12:35	EPA 200.8	02-058-17
arium	0.077	mg/l	0.016	26-SEP-02 07:32	EPA 200.7	02-059-06
eryllium	U	mg/l	0.002	26-SEP-02 07:32	EPA 200.7	02-059-06
admium	0.005	mg/l	0.005	26-SEP-02 07:32	EPA 200.7	02-059-06
alcium	115	mg/l	0.500	26-SEP-02 07:32	EPA 200.7	02-059-06
hromium	U	mg/l	0.010	26-SEP-02 07:32	EPA 200.7	02-059-06
obalt	U	mg/l	0.0100	26-SEP-02 07:32	EPA 200.7	02-059-06
opper	U	mg/l	0.017	26-SEP-02 07:32	EPA 200.7	02-059-06
ron	1.51	mg/l	0.040	26-SEP-02 07:32	EPA 200.7	02-059-06
ead	U	mg/l	0.044	26-SEP-02 07:32	EPA 200.7	02-059-06
agnesium	35.7	mg/l	0.500	26-SEP-02 07:32	EPA 200.7	02-059-06
anganese	0.359	mg/l	0.005	26-SEP-02 07:32	EPA 200.7	02-059-06
ercury	U	mg/l	0.0002	01-OCT-02 00:00	EPA 245.1	01-002-75

roved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

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32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 08-OCT-2002

Lab Sample ID: L94361-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 19-SEP-02 15:00 by CLIENT
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Nickel	U	mg/l	0.012	26-SEP-02 07:32	EPA 200.7	02-059-06
Potassium	5.38	mg/l	0.500	26-SEP-02 07:32	EPA 200.7	02-059-06
Selenium	U	mg/l	0.001	01-OCT-02 12:35	EPA 200.8	02-058-17
Sodium	91	mg/l	0.200	26-SEP-02 07:32	EPA 200.7	02-059-06
Thallium	U	mg/l	0.001	07-OCT-02 00:00	EPA 200.8	02-102-01
Vanadium	U	mg/l	0.010	26-SEP-02 07:32	EPA 200.7	02-059-06
Zinc	U	mg/l	0.020	26-SEP-02 07:32	EPA 200.7	02-059-06
EPA 624						
Chloromethane	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Vinyl chloride	U	ug/l	2	29-SEP-02 20:59	EPA 624	02-092-4134
Bromomethane	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Chloroethane	U	ug/l	10	29-SEP-02 20:59	EPA 624	02-092-4134
Trichlorofluoromethane	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Acrolein	U	ug/l	20	29-SEP-02 20:59	EPA 624	02-092-4134
1,1-Dichloroethene	U	ug/l	10	29-SEP-02 20:59	EPA 624	02-092-4134
Methylene chloride	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Acrylonitrile	U	ug/l	20	29-SEP-02 20:59	EPA 624	02-092-4134
Trans-1,2-Dichloroethene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
1,1-Dichloroethane	U	ug/l	10	29-SEP-02 20:59	EPA 624	02-092-4134
Cis-1,2-Dichloroethene	U	ug/l	10	29-SEP-02 20:59	EPA 624	02-092-4134
Carbon tetrachloride	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Chloroform	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
1,1,1-Trichloroethane	U	ug/l	10	29-SEP-02 20:59	EPA 624	02-092-4134
Benzene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
1,2-Dichloroethane	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Trichloroethene	U	ug/l	10	29-SEP-02 20:59	EPA 624	02-092-4134
1,2-Dichloropropane	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Bromodichloromethane	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
2-Chloroethylvinylether	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Cis-1,3-Dichloropropene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Toluene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
Trans-1,3-Dichloropropene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
1,1,2-Trichloroethane	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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FRIEND LABORATORY
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32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 08-OCT-2002

Lab Sample ID: L94361-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 19-SEP-02 15:00 by CLIENT
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
etrachloroethene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
ibromochloromethane	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
hlorobenzene	U	ug/l	10	29-SEP-02 20:59	EPA 624	02-092-4134
thylbenzene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
-Xylene/m-Xylene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
-Xylene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
tyrene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
romoform	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
,1,2,2-Tetrachloroethane	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
,3-Dichlorobenzene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
,4-Dichlorobenzene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
,2-Dichlorobenzene	U	ug/l	5	29-SEP-02 20:59	EPA 624	02-092-4134
-Chlorotoluene	14	ug/l	10	29-SEP-02 20:59	EPA 624	02-092-4134
urrogate Recovery:						
ibromofluoromethane	100	%				02-092-4134
oluene-d8	96	%				02-092-4134
-Bromofluorobenzene	100	%				02-092-4134
,2-Dichloroethane-d4	98	%				02-092-4134

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

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32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date: 08-OCT-2002

Lab Sample ID: L94361-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-25
Description: TRIP BLANK
Sampled On: 19-SEP-02 00:00 by LAB
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
PA 624						
hloromethane	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
inyl chloride	U	ug/l	2	29-SEP-02 16:30	EPA 624	02-092-4126
romomethane	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
hloroethane	U	ug/l	10	29-SEP-02 16:30	EPA 624	02-092-4126
richlorofluoromethane	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
crolein	U	ug/l	20	29-SEP-02 16:30	EPA 624	02-092-4126
,1-Dichloroethene	U	ug/l	10	29-SEP-02 16:30	EPA 624	02-092-4126
ethylene chloride	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
crylonitrile	U	ug/l	20	29-SEP-02 16:30	EPA 624	02-092-4126
rans-1,2-Dichloroethene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
,1-Dichloroethane	U	ug/l	10	29-SEP-02 16:30	EPA 624	02-092-4126
is-1,2-Dichloroethene	U	ug/l	10	29-SEP-02 16:30	EPA 624	02-092-4126
arbon tetrachloride	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
hloroform	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
,1,1-Trichloroethane	U	ug/l	10	29-SEP-02 16:30	EPA 624	02-092-4126
enzene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
,2-Dichloroethane	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
richloroethene	U	ug/l	10	29-SEP-02 16:30	EPA 624	02-092-4126
,2-Dichloropropane	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
romodichloromethane	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
-Chloroethylvinylether	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
is-1,3-Dichloropropene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
oluene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
rans-1,3-Dichloropropene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
,1,2-Trichloroethane	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
etrachloroethene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
bromochloromethane	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
lorobenzene	U	ug/l	10	29-SEP-02 16:30	EPA 624	02-092-4126
hylbenzene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
Xylene/m-Xylene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
Xylene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
yrene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
omoform	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
1,2,2-Tetrachloroethane	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
3-Dichlorobenzene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
4-Dichlorobenzene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
2-Dichlorobenzene	U	ug/l	5	29-SEP-02 16:30	EPA 624	02-092-4126
Chlorotoluene	U	ug/l	10	29-SEP-02 16:30	EPA 624	02-092-4126

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:08-OCT-2002

Lab Sample ID: L94361-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-25
Description: TRIP BLANK
Sampled On: 19-SEP-02 00:00 by LAB
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	102	%				02-092-4126
Toluene-d8	95	%				02-092-4126
4-Bromofluorobenzene	100	%				02-092-4126
1,2-Dichloroethane-d4	103	%				02-092-4126

Approved by: [signature]
Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033 QC

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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:08-OCT-2002

Lab Sample ID: L94361-4

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: STACK 03
Description: AIR
Sampled On: 19-SEP-02 00:00 by CLIENT
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
PA 18M						
ichlorodifluoromethane	U	ppm	0.04	27-SEP-02 14:58	EPA 18M	02-092-4088
hloromethane	U	ppm	0.2	27-SEP-02 14:58	EPA 18M	02-092-4088
inyl chloride	U	ppm	0.06	27-SEP-02 14:58	EPA 18M	02-092-4088
romomethane	U	ppm	0.2	27-SEP-02 14:58	EPA 18M	02-092-4088
hloroethane	U	ppm	0.1	27-SEP-02 14:58	EPA 18M	02-092-4088
richlorofluoromethane	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
,1-Dichloroethene	U	ppm	0.04	27-SEP-02 14:58	EPA 18M	02-092-4088
arbon disulfide	U	ppm	0.1	27-SEP-02 14:58	EPA 18M	02-092-4088
ethylene chloride	U	ppm	0.06	27-SEP-02 14:58	EPA 18M	02-092-4088
rans-1,2-Dichloroethene	U	ppm	0.04	27-SEP-02 14:58	EPA 18M	02-092-4088
,1-Dichloroethane	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
is-1,2-Dichloroethene	U	ppm	0.04	27-SEP-02 14:58	EPA 18M	02-092-4088
hloroform	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
,1,1-Trichloroethane	U	ppm	0.02	27-SEP-02 14:58	EPA 18M	02-092-4088
arbon tetrachloride	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
enzene	U	ppm	0.04	27-SEP-02 14:58	EPA 18M	02-092-4088
,2-Dichloroethane	U	ppm	0.04	27-SEP-02 14:58	EPA 18M	02-092-4088
richloroethene	U	ppm	0.02	27-SEP-02 14:58	EPA 18M	02-092-4088
,2-Dichloropropane	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
ibromomethane	U	ppm	0.01	27-SEP-02 14:58	EPA 18M	02-092-4088
romodichloromethane	U	ppm	0.009	27-SEP-02 14:58	EPA 18M	02-092-4088
s-1,3-Dichloropropene	U	ppm	0.02	27-SEP-02 14:58	EPA 18M	02-092-4088
oluene	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
rans-1,3-Dichloropropene	U	ppm	0.04	27-SEP-02 14:58	EPA 18M	02-092-4088
1,2-Trichloroethane	U	ppm	0.02	27-SEP-02 14:58	EPA 18M	02-092-4088
trachloroethene	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
bromochloromethane	U	ppm	0.01	27-SEP-02 14:58	EPA 18M	02-092-4088
B(1,2-Dibromoethane)	U	ppm	0.01	27-SEP-02 14:58	EPA 18M	02-092-4088
lorobenzene	U	ppm	0.02	27-SEP-02 14:58	EPA 18M	02-092-4088
1,1,2-Tetrachloroethane	U	ppm	0.02	27-SEP-02 14:58	EPA 18M	02-092-4088
hylbenzene	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
Xylene/m-Xylene	U	ppm	0.07	27-SEP-02 14:58	EPA 18M	02-092-4088
Xylene	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
yrene	U	ppm	0.04	27-SEP-02 14:58	EPA 18M	02-092-4088
omoform	U	ppm	0.01	27-SEP-02 14:58	EPA 18M	02-092-4088
1,2,2-Tetrachloroethane	U	ppm	0.02	27-SEP-02 14:58	EPA 18M	02-092-4088
2,3-Trichloropropane	U	ppm	0.05	27-SEP-02 14:58	EPA 18M	02-092-4088
3-Dichlorobenzene	U	ppm	0.06	27-SEP-02 14:58	EPA 18M	02-092-4088

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:08-OCT-2002

Lab Sample ID: L94361-4

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: STACK 03
Description: AIR
Sampled On: 19-SEP-02 00:00 by CLIENT
Date Received: 23-SEP-02 07:51
P.O. No: 42452.01

alysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
4-Dichlorobenzene	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
2-Dichlorobenzene	U	ppm	0.04	27-SEP-02 14:58	EPA 18M	02-092-4088
2-Dibromo-3-chloropropane	U	ppm	0.03	27-SEP-02 14:58	EPA 18M	02-092-4088
rrogate Recovery:						
bromofluoromethane	100	%				02-092-4088
luene-d8	98	%				02-092-4088
Bromofluorobenzene	101	%				02-092-4088
2-Dichloroethane-d4	102	%				02-092-4088

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC 044

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

FLI FRIEND LABORATORY I • N • C

ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: EARTH TECH / Chemtrol site
4818 Lake Ave
BLASDELL, NY 14219

P.O. # 42452.01

CLIENT: EARTH Tech / Keith Decker
ADDRESS: 40 BRITISH American Blvd
LATHAM, NY 12180
PHONE: 518-951-2200 FAX: 518-951-2300

INVOICE TO: EARTH Tech
ADDRESS: ATTN: Keith Decker
40 British American Blvd.
LATHAM, NY 12180

PROJECT NO. / NAME: Chemtrol

COPY TO:
ADDRESS:

94361

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS (Untreated; Sodium thiosulfate; HCl pH <2; Ascorbic acid & HCl pH <2; HNO_3 pH <2; H_2SO_4 pH <2; NaOH pH >12; NaOH & Zinc acetate pH >9; Acetic Buffer pH <3; Sodium sulfite)	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER (LAB USE ONLY)
2/19/02 14:30	INFLUENT	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	624, TDS, TSS, pH, metals Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn Hg, Ni, K, Se, Na, Tl, V, Zn	-1 7.18
2/19/02 15:00	EFFLUENT	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	SAME AS ABOVE	-2 8.38
	T.B. 05-045-10825	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	624	-3
9/19	Stack 03	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	18m	-4

RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER Paul Sleasman Paul C	2/20/02	FEDEX Toni Jones	9/23/02 751	-0 Shipping 26.00

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

OPERATION AND MAINTENANCE CHECKLIST

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System
CHEM-TROL Site
Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Paul Sleasman Weather/Temperature: Sunny/70's

Date: 9/19/02 Arrival Time: 11:30 am Departure Time: 3:30 pm

Reason for Service: Monthly Operation and Maintenance, Sampling

Inspection Items:	OK:	Comments:
Site Appearance/Condition	X	
Building Exterior		
Overhead Door	X	
Siding	X	
Roof and Discharge Pipe	X	
Building Interior		
Indication of Spills or Leaks	X	
Building Heater	X	
Phone System	X	
Exhaust Fan	X	
Fire Extinguisher	X	
Groundwater Treatment System		
Air Stripper	X	Inspected portals in air stripper
Iron Removal Filter	X	Changed filter media with new media provided by Carbtrol
Bag Filter	X	Changed bags

Groundwater Treatment System (continued)

Flow Meters	X	Flowmeters EW #1 and EW #2 read 0 gpm
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	9/19/02 – Well #1 low level alarm
		Well #3 low level alarm

Groundwater Treatment Wells

EW-1 Pump	X	Pump running
EW-1 Transducer	X	
EW-1 Flow Meter	X	Not registering
EW-2 Pump	X	Pump running
EW-2 Transducer	X	
EW- 2 Flow Meter	X	
EW-3 Pump	X	Pump running
EW-3 Transducer	X	
TW-3 Flow Meter	X	Not registering

Effluent Discharge

Outfall		Not discharging to outfall – did not check
Meter Pit (if sanitary)		No meter pit
Cleanout		Did not check cleanout

Instrumentation/Readings:

EW-1

Pumping Rate	0	GPM
Water Level Above Transducer	125	Inches
Flow Meter Reading	500,113	gallons

EW-2

Pumping Rate	8	GPM
Water Level Above Transducer	210	Inches
Flow Meter Reading	900,950	gallons

EW-3

Pumping Rate	0	GPM
Water Level Above Transducer	194	Inches
Flow Meter Reading	4,266	gallons

Air Stripper

Stripper Blower Pressure		inches H_2O
Air Flow Rate		ft/sec
Air Temperature in Stripper		°F
Pressure Gauge- Left Leg		inches H_2O
Pressure Gauge- Right Leg		inches H_2O
Pressure/Vacuum on the Stripper		inches H_2O

Effluent Flow

Total System Meter Reading	726,100	gallons

**Note Total Flow meter not installed until 7/12/02

Influent/Effluent Sampling

On a monthly basis, samples of the system influent and effluent must be collected and submitted for the following analyses:

- VOAs by EPA 8260
- Metals (Al, B, Fe, Mn, Zn)
- TDS
- TSS
- O&G

pH measurements must be made in the field:

Influent pH	7.18
Effluent pH	8.38

Notes/Explanations
(Please include any additional information on those items which require attention as indicated above.)

- Inspected air stripper of iron buildup;
- Changed bag filter;
- Cleaned Iron Removal Filter and replaced filter media;
- Preformed monthly sampling event.

Monthly Operation and Maintenance

A copy of this checklist will be filled out on a monthly basis. This will be provide a basis for the reaction of the seasonal changes in water levels at the site and how the pumping of the treatment system is affecting this.

TABLES

Table 1
September 2002 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Effluent Parameters	Influent	Effluent	Treatment Requirements	(units)
Flow	9.31	gpm	Monitor	gpd
pH	7.2	8.4	6.5 to 8.5	standard units
Chloromethane	ND	ND		ug/L
Vinyl Chloride	ND	ND		ug/L
Bromomethane	ND	ND		ug/L
Chloroethane	ND	ND		ug/L
Trichlorofluoromethane	ND	ND		ug/L
Acrolein	ND	ND		ug/L
1,1-Dichloroethene	ND	ND		ug/L
Methylene Chloride	ND	ND		ug/L
Acrylonitrile	ND	ND		ug/L
trans-1,2-Dichloroethene	ND	ND		ug/L
1,1-Dichloroethane	ND	ND		ug/L
cis-1,2-Dichloroethene	ND	ND		ug/L
Carbon Tetrachloride	ND	ND		ug/L
Chloroform	ND	ND		ug/L
1,1,1-Trichloroethane	ND	ND		ug/L
Benzene	ND	ND		ug/L
1,2-Dichloroethane	ND	ND		ug/L
Trichloroethene	ND	ND		ug/L
1,2-Dichloropropane	ND	ND		ug/L
Bromodichloromethane	ND	ND		ug/L
2-Chloroethylvinylether	ND	ND		ug/L
cis-1,2-Dichloropropene	ND	ND		ug/L
Toluene	ND	ND		ug/L
trans-1,2-Dichloropropene	ND	ND		ug/L
1,1,2-Trichloroethane	ND	ND		ug/L
Tetrachloroethene	ND	ND		ug/L
Dibromochloromethane	ND	ND		ug/L
Chlorobenzene	ND	ND		ug/L
Ethylbenzene	ND	ND		ug/L
p-Xylene/m-Xylene	ND	ND		ug/L
o-Xylene	ND	ND		ug/L
Styrene	ND	ND		ug/L
Bromoform	ND	ND		ug/L
1,1,2,2-Tetrachlorethane	ND	ND		ug/L
1,3-Dichlorobenzene	ND	ND		ug/L
1,4-Dichlorobenzene	ND	ND		ug/L
1,2-Dichlorobenzene	ND	ND		ug/L
O-Chlorotoluene	**6500**	**14**		ug/L
Aluminum, Total	ND	ND		ug/L
Antimony	ND	ND		ug/L
Arsenic, Total	ND	ND		ug/L
Barium, Total	0.075	0.077		ug/L
Beryllium	ND	ND		ug/L
Cadmium	ND	0.005		ug/L
Calcium	116	115		ug/L
Chromium	ND	ND		ug/L
Cobalt	ND	ND		ug/L
Copper	ND	ND		ug/L
Iron	**0.856**	**1.51**		ug/L
Lead	ND	ND		ug/L
Magnesium	36	35.7		ug/L
Manganese	0.341	0.359		ug/L
Mercury	ND	ND		ug/L
Nickel	ND	ND		ug/L
Potassium	5.39	5.38		ug/L
Selenium	ND	0.001		ug/L
Silver	ND	ND		ug/L
Sodium	92.1	91		ug/L
Thallium	ND	ND		ug/L
Vanadium	ND	ND		ug/L
Zinc	0.02	ND		ug/L
Oil and Grease	ND	ND		mg/L
TDS	810	801		mg/L
TSS	8.4	3.8		mg/L

Notes:

*1) Positive results are presented in **bold** typeface.*

2) ND indicates Not Detected at or above the laboratory reporting limit.

3) NA indicates Not Applicable.

4) "J" indicates an estimated concentration below the method detection limit.

*5) Boxed in **bold** denotes exceedance of treatment requirements.*

* Average daily flow as measured May 15, 2002 to May 29, 2002.

Table 2
Summary of September 2002 O&M Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:	**9/19/02**	**units**
EW-1		
Pumping Rate	0	GPM
Water Level Above Transducer	125	Inches
Flow Meter Reading	500,113	gallons
EW-2		
Pumping Rate	8	GPM
Water Level Above Transducer	210	Inches
Flow Meter Reading	900,950	gallons
EW-3		
Pumping Rate	0	GPM
Water Level Above Transducer	194	Inches
Flow Meter Reading	4,266	gallons
Air Stripper		
Stripper Blower Pressure	NW	inches H_2O
Air Temperature in Stripper	NW	°F
Pressure Gauge - Left Leg	NW	inches H_2O
Pressure Gauge - Right Leg	NW	inches H_2O
Pressure/Vacuum on the Stripper		inches H_2O
Effluent Flow		
Total System Meter Reading	726,100	gallons

Note: N/A indicates Not Available.
NW - Not working

Table 3
September 2002 Groundwater Treatment System Air Sampling Data
Chem-Trol Site
Town of Hamburg, New York

Analyte	Post Air Stripper (PAS) 09/20/02 Results	RL
Dichlorodifluoromethane	ND	0.04
Chloromethane	ND	0.2
Vinyl Chloride	ND	0.06
Bromomethane	ND	0.2
Chloroethane	ND	0.1
1,1-Dichloroethene	ND	0.03
Trichlorofluoromethane	ND	0.04
Carbon Disulfide	ND	0.1
Methylene Chloride	ND	0.06
trans-1,2-Dichloroethene	ND	0.04
1,1-Dichloroethane	ND	0.03
cis-1,2-Dichloroethene	ND	0.04
Chloroform	ND	0.03
1,1,1-Trichloroethane	ND	0.02
Carbon Tetrachloride	ND	0.03
Benzene	ND	0.04
1,2-Dichloroethane	ND	0.04
Trichloroethene	ND	0.02
1,2-Dichloropropane	ND	0.03
Dibromomethane	ND	0.01
Bromodichloromethane	ND	0.009
cis-1,3-Dichloropropene	ND	0.02
Toluene	ND	0.03
trans-1,3-Dichloropropene	ND	0.04
1,1,2-Trichloroethane	ND	0.02
Tetrachloroethene	ND	0.03
Dibromochloromethane	ND	0.01
EDB(1,2-Dibromoethane)	ND	0.01
Chlorobenzene	ND	0.02
1,1,1,2-Tetrachloroethane	ND	0.02
Ethylbenzene	ND	0.03
p-Xylene/m-Xylene	ND	0.07
o-Xylene	ND	0.03
Styrene	ND	0.04
Bromoform	ND	0.01
1,1,2,2-Tetrachloroethane	ND	0.02
1,2,3-Trichloropropane	ND	0.05
1,3-Dichlorobenzene	ND	0.06

Notes:
1) All results are reported in ppm.
2) Positive results are presented in bold typeface.
3) ND indicates Not Detected (Below RL).
4) RL = Reporting Limit

Operation, Maintenance and Monitoring Report
October 2002

CHEM-TROL Site
Site 9-15-015

Prepared for:

SC HOLDINGS
4 LIBERTY LANE WEST
HAMPTON, NH 03842

Prepared by:

Earth Tech of New York, Inc.
40 British American Boulevard
Latham, New York 12110

40 British American Boulevard, Latham, New York 12110

December 11, 2002

Ms. Nicole Elliot, Industrial Wastewater Specialist
Erie County / Southtown's Sewage Treatment Agency
c/o Erie County Department of Environment and Planning
Room 1034
95 Franklin Street
Buffalo, New York 14202

RE: Erie County Sewer District No.3
S.C. Holdings, Inc.
4818 Lake Avenue
Blasdell, New York 14219
October Monthly Monitoring Reports

Dear Ms. Elliot:

Telephone
518.951.2200
Facsimile
518.951.2300

Enclosed please find the monthly report for October. Earth Tech, Inc. (Earth Tech) is submitting this report on behalf of our client S.C. Holdings, Inc. S.C. Holdings, Inc. has authorized Earth Tech to submit these reports on their behalf.

The enclosed report contains the following information:

- Sample Collection Field Sheet with Certification Statement;
- Figure showing sampling location;
- Copy of Analytical results (see discussion below) and Chain-of-Custody Form;
- Operation, Maintenance and Monitoring Checklist; and
- Summary Tables of Analytical Results and Flow Readings.

The new discharge line is operational and no other changes have been implemented at this time. Earth Tech will continue to operate and monitor the system.

If you have any questions regarding the information presented in this report please do not hesitate to contact me at (518) 951-2229.

Sincerely,

EARTH TECH, INC.

Keith A. Decker
Project Manager

cc: David Moriera (S.C. Holdings)
Thomas Heines (McMahon and Mann)

SAMPLE COLLECTION FIELD SHEET

SAMPLE COLLECTION FIELD SHEET
CHEM-TROL SITE, BLASDELL, NEW YORK
PERMIT No. ST-15

Reporting Month:	October, 2002	
Date Sample Collected:	October 29, 2002	
Time Sample Collected:	3:00 pm	
Physical Observations:	- Smell	none
	- Odor	none
	- Consistency	water
	- Sight	clear
	- Floatable	none
	- Sheen	none
Water Meter Reading:	1,130,200 gallons	
Chain of Custody:	Attached	
Analysis Included in Report:	EPA Method 624 w/Chlorotoluene, Method 625 Method 608,TSS TDS, TAL Metals, Oil & Grease, pH	
Drawing of Sampling Location:	Attached	
Signature of Sampler:	Attached on Chain-of-Custody	
Sample Preservation:	Samples packed in Ice for shipment	
Date Received at Laboratory:	October 30, 2002	

CERTIFICATION STATEMENT

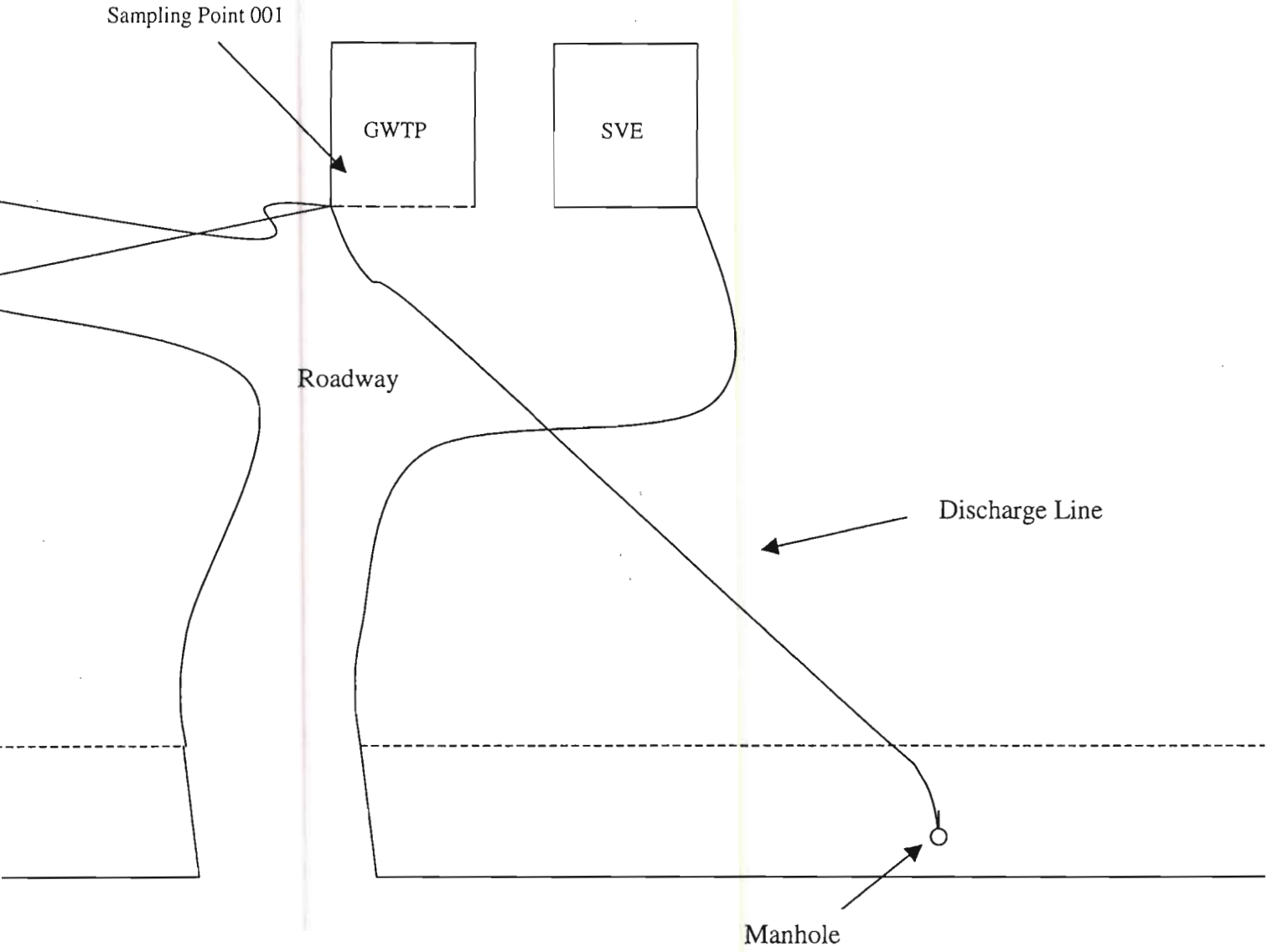
I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Keith A. Deeks
Signature

12/11/02
Date

FIGURE 1 – Sampling Location

CHEM-TROL SITE LAYOUT
FIGURE 1



LAKE AVENUE

LABORATORY REPORTS

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-NOV-2002

Lab Sample ID: L96169-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 29-OCT-02 12:30 by CLIENT
Date Received: 31-OCT-02 13:17
P.O. No: N/A

alysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
	7.19			31-OCT-02 13:17	EPA 150.1	02-119-04
Analysis Comment:pH as Received at Lab.						
l & Grease	U	mg/l	1	07-NOV-02 09:49	EPA 413.1	02-040-78
lids, Dissolved	746	mg/l	10	02-NOV-02 00:00	EPA 160.1	02-065-75
tal Suspended Solids	204	mg/l	2	02-NOV-02 09:35	EPA 160.2	02-079-52
uminum	U	mg/l	0.075	06-NOV-02 12:18	EPA 200.7	02-103-07
timony	U	mg/l	0.050	06-NOV-02 12:18	EPA 200.7	02-103-07
senic	U	mg/l	0.001	07-NOV-02 22:24	EPA 200.8	02-102-09
rium	0.07	mg/l	0.016	06-NOV-02 12:18	EPA 200.7	02-103-07
ryllium	U	mg/l	0.002	06-NOV-02 12:53	EPA 200.7	02-103-06
dmium	U	mg/l	0.005	06-NOV-02 12:53	EPA 200.7	02-103-06
lcium	99.6	mg/l	0.500	06-NOV-02 12:53	EPA 200.7	02-103-06
romium	U	mg/l	0.010	06-NOV-02 12:53	EPA 200.7	02-103-06
balt	U	mg/l	0.0100	06-NOV-02 12:53	EPA 200.7	02-103-06
pper	U	mg/l	0.017	06-NOV-02 12:18	EPA 200.7	02-103-07
on	1.18	mg/l	0.040	06-NOV-02 12:53	EPA 200.7	02-103-06
ad	U	mg/l	0.044	06-NOV-02 12:53	EPA 200.7	02-103-06
gnesium	28	mg/l	0.500	06-NOV-02 12:53	EPA 200.7	02-103-06
nganese	0.438	mg/l	0.005	06-NOV-02 12:53	EPA 200.7	02-103-06
rcury	U	mg/l	0.0002	06-NOV-02 00:00	EPA 245.1	01-002-80

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-NOV-2002

Lab Sample ID: L96169-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 29-OCT-02 12:30 by CLIENT
Date Received: 31-OCT-02 13:17
P.O. No: N/A

alysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
ckel	U	mg/l	0.012	06-NOV-02 12:53	EPA 200.7	02-103-06
tassium	4.86	mg/l	0.500	06-NOV-02 12:53	EPA 200.7	02-103-06
lenium	U	mg/l	0.001	07-NOV-02 22:24	EPA 200.8	02-102-09
dium	70.8	mg/l	0.200	06-NOV-02 12:18	EPA 200.7	02-103-07
allium	U	mg/l	0.001	07-NOV-02 22:24	EPA 200.8	02-102-09
nadium	U	mg/l	0.010	06-NOV-02 12:53	EPA 200.7	02-103-06
nc	U	mg/l	0.020	06-NOV-02 12:53	EPA 200.7	02-103-06
A 624						
loromethane	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
nyl chloride	U	ug/l	100	08-NOV-02 23:13	EPA 624	02-092-5006
omomethane	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
loroethane	U	ug/l	500	08-NOV-02 23:13	EPA 624	02-092-5006
ichlorofluoromethane	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
rolein	U	ug/l	1000	08-NOV-02 23:13	EPA 624	02-092-5006
1-Dichloroethene	U	ug/l	500	08-NOV-02 23:13	EPA 624	02-092-5006
thylene chloride	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
rylonitrile	U	ug/l	1000	08-NOV-02 23:13	EPA 624	02-092-5006
ans-1,2-Dichloroethene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
1-Dichloroethane	U	ug/l	500	08-NOV-02 23:13	EPA 624	02-092-5006
s-1,2-Dichloroethene	U	ug/l	500	08-NOV-02 23:13	EPA 624	02-092-5006
rbon tetrachloride	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
loroform	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
1,1-Trichloroethane	U	ug/l	500	08-NOV-02 23:13	EPA 624	02-092-5006
nzene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
2-Dichloroethane	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
ichloroethene	U	ug/l	500	08-NOV-02 23:13	EPA 624	02-092-5006
2-Dichloropropane	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
omodichloromethane	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
hloroethylvinylether	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
s-1,3-Dichloropropene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
uene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
ans-1,3-Dichloropropene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
,2-Trichloroethane	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-NOV-2002

Lab Sample ID: L96169-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 29-OCT-02 12:30 by CLIENT
Date Received: 31-OCT-02 13:17
P.O. No: N/A

alysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
trachloroethene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
bromochloromethane	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
lorobenzene	U	ug/l	500	08-NOV-02 23:13	EPA 624	02-092-5006
hylbenzene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
Xylene/m-Xylene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
Xylene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
yrene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
omoform	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
1,2,2-Tetrachloroethane	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
3-Dichlorobenzene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
4-Dichlorobenzene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
2-Dichlorobenzene	U	ug/l	250	08-NOV-02 23:13	EPA 624	02-092-5006
Chlorotoluene	2700	ug/l	500	08-NOV-02 23:13	EPA 624	02-092-5006
rrogate Recovery:						
bromofluoromethane	106	%				02-092-5006
luene-d8	101	%				02-092-5006
Bromofluorobenzene	98	%				02-092-5006
2-Dichloroethane-d4	108	%				02-092-5006

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

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32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-NOV-2002

Lab Sample ID: L96169-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 29-OCT-02 12:45 by CLIENT
Date Received: 31-OCT-02 13:17
P.O. No: N/A

alysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
	8.29			31-OCT-02 13:17	EPA 150.1	02-119-04
Analysis Comment:pH as Received at Lab.						
l & Grease	U	mg/l	1	07-NOV-02 09:49	EPA 413.1	02-040-78
lids, Dissolved	732	mg/l	10	02-NOV-02 00:00	EPA 160.1	02-065-75
tal Suspended Solids	2.2	mg/l	2	02-NOV-02 09:35	EPA 160.2	02-079-52
uminum	U	mg/l	0.075	06-NOV-02 12:38	EPA 200.7	02-103-06
timony	U	mg/l	0.050	06-NOV-02 12:13	EPA 200.7	02-103-07
senic	U	mg/l	0.001	07-NOV-02 22:15	EPA 200.8	02-102-09
rium	0.065	mg/l	0.016	06-NOV-02 12:38	EPA 200.7	02-103-06
ryllium	U	mg/l	0.002	06-NOV-02 12:38	EPA 200.7	02-103-06
dmium	U	mg/l	0.005	06-NOV-02 12:38	EPA 200.7	02-103-06
lcium	105	mg/l	0.500	06-NOV-02 12:38	EPA 200.7	02-103-06
romium	U	mg/l	0.010	06-NOV-02 12:38	EPA 200.7	02-103-06
balt	U	mg/l	0.0100	06-NOV-02 12:38	EPA 200.7	02-103-06
pper	U	mg/l	0.017	06-NOV-02 12:38	EPA 200.7	02-103-06
on	0.759	mg/l	0.040	06-NOV-02 12:38	EPA 200.7	02-103-06
ad	U	mg/l	0.044	06-NOV-02 12:38	EPA 200.7	02-103-06
gnesium	29.1	mg/l	0.500	06-NOV-02 12:38	EPA 200.7	02-103-06
nganese	0.47	mg/l	0.005	06-NOV-02 12:38	EPA 200.7	02-103-06
rcury	U	mg/l	0.0002	06-NOV-02 00:00	EPA 245.1	01-002-80

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

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information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-NOV-2002

Lab Sample ID: L96169-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 29-OCT-02 12:45 by CLIENT
Date Received: 31-OCT-02 13:17
P.O. No: N/A

alysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
ckel	U	mg/l	0.012	06-NOV-02 12:38	EPA 200.7	02-103-06
tassium	5.05	mg/l	0.500	06-NOV-02 12:38	EPA 200.7	02-103-06
lenium	U	mg/l	0.001	07-NOV-02 22:15	EPA 200.8	02-102-09
dium	75.5	mg/l	0.200	06-NOV-02 12:13	EPA 200.7	02-103-07
allium	U	mg/l	0.001	07-NOV-02 22:15	EPA 200.8	02-102-09
nadium	U	mg/l	0.010	06-NOV-02 12:38	EPA 200.7	02-103-06
nc	U	mg/l	0.020	06-NOV-02 12:38	EPA 200.7	02-103-06
A 624						
loromethane	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
nyl chloride	U	ug/l	2	07-NOV-02 11:21	EPA 624	02-092-4969
omomethane	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
loroethane	U	ug/l	10	07-NOV-02 11:21	EPA 624	02-092-4969
ichlorofluoromethane	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
rolein	U	ug/l	20	07-NOV-02 11:21	EPA 624	02-092-4969
1-Dichloroethene	U	ug/l	10	07-NOV-02 11:21	EPA 624	02-092-4969
thylene chloride	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
rylonitrile	U	ug/l	20	07-NOV-02 11:21	EPA 624	02-092-4969
ans-1,2-Dichloroethene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
1-Dichloroethane	U	ug/l	10	07-NOV-02 11:21	EPA 624	02-092-4969
s-1,2-Dichloroethene	U	ug/l	10	07-NOV-02 11:21	EPA 624	02-092-4969
rbon tetrachloride	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
loroform	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
1,1-Trichloroethane	U	ug/l	10	07-NOV-02 11:21	EPA 624	02-092-4969
nzene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
2-Dichloroethane	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
ichloroethene	U	ug/l	10	07-NOV-02 11:21	EPA 624	02-092-4969
2-Dichloropropane	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
omodichloromethane	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
hloroethylvinylether	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
s-1,3-Dichloropropene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
uene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
ans-1,3-Dichloropropene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
1,2-Trichloroethane	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

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32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-NOV-2002

Lab Sample ID: L96169-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 29-OCT-02 12:45 by CLIENT
Date Received: 31-OCT-02 13:17
P.O. No: N/A

alysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
trachloroethene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
bromochloromethane	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
lorobenzene	U	ug/l	10	07-NOV-02 11:21	EPA 624	02-092-4969
hylbenzene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
Xylene/m-Xylene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
Xylene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
yrene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
omoform	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
1,2,2-Tetrachloroethane	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
3-Dichlorobenzene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
4-Dichlorobenzene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
2-Dichlorobenzene	U	ug/l	5	07-NOV-02 11:21	EPA 624	02-092-4969
Chlorotoluene	170	ug/l	10	07-NOV-02 11:21	EPA 624	02-092-4969
rrogate Recovery:						
bromofluoromethane	103	%				02-092-4969
luene-d8	99	%				02-092-4969
Bromofluorobenzene	101	%				02-092-4969
2-Dichloroethane-d4	106	%				02-092-4969

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-NOV-2002

Lab Sample ID: L96169-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-32
Description: TRIP BLANK
Sampled On: 29-OCT-02 00:00 by LAB
Date Received: 31-OCT-02 13:17
P.O. No: N/A

alysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
A 624						
loromethane	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
nyl chloride	U	ug/l	2	07-NOV-02 10:47	EPA 624	02-092-4968
omomethane	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
loroethane	U	ug/l	10	07-NOV-02 10:47	EPA 624	02-092-4968
ichlorofluoromethane	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
rolein	U	ug/l	20	07-NOV-02 10:47	EPA 624	02-092-4968
1-Dichloroethene	U	ug/l	10	07-NOV-02 10:47	EPA 624	02-092-4968
thylene chloride	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
rylonitrile	U	ug/l	20	07-NOV-02 10:47	EPA 624	02-092-4968
ans-1,2-Dichloroethene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
1-Dichloroethane	U	ug/l	10	07-NOV-02 10:47	EPA 624	02-092-4968
s-1,2-Dichloroethene	U	ug/l	10	07-NOV-02 10:47	EPA 624	02-092-4968
rbon tetrachloride	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
loroform	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
1,1-Trichloroethane	U	ug/l	10	07-NOV-02 10:47	EPA 624	02-092-4968
nzene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
2-Dichloroethane	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
ichloroethene	U	ug/l	10	07-NOV-02 10:47	EPA 624	02-092-4968
2-Dichloropropane	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
omodichloromethane	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
Chloroethylvinylether	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
s-1,3-Dichloropropene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
luene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
ans-1,3-Dichloropropene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
1,2-Trichloroethane	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
trachloroethene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
promochloromethane	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
lorobenzene	U	ug/l	10	07-NOV-02 10:47	EPA 624	02-092-4968
nylbenzene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
Xylene/m-Xylene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
Xylene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
yrene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
omoform	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
1,2,2-Tetrachloroethane	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
3-Dichlorobenzene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
4-Dichlorobenzene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
2-Dichlorobenzene	U	ug/l	5	07-NOV-02 10:47	EPA 624	02-092-4968
Chlorotoluene	U	ug/l	10	07-NOV-02 10:47	EPA 624	02-092-4968

oved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:19-NOV-2002

Lab Sample ID: L96169-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-32
Description: TRIP BLANK
Sampled On: 29-OCT-02 00:00 by LAB
Date Received: 31-OCT-02 13:17
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	101	%				02-092-4968
Toluene-d8	100	%				02-092-4968
4-Bromofluorobenzene	109	%				02-092-4968
1,2-Dichloroethane-d4	103	%				02-092-4968

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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CUSTOMER CODE # ________

CHAIN OF CUSTODY RECORD

FLI FRIEND LABORATORY INC
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: CHEM TROL

P.O. #

CLIENT: EARTH TECH
ADDRESS: 40 BRITISH AMERICAN BLVD. LATHAM, NY
PHONE: 518-951-2200 FAX: 518-951-2300

PROJECT NO. / NAME: CHEMTROL

INVOICE TO: KEITH DECKER
ADDRESS: EARTH TECH 40 BRITISH AMERICAN BLVD. LATHAM, NY

COPY TO:
ADDRESS:

96169

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER (LAB USE ONLY)
10/29/02 12:45 pm	EFFLUENT	2		3		1	2					Metals, TSS pH, O.L + GREASE, TDS pH, 624 al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Na, Tl, V, Zn	-1 8.29
	Description: Grab (circled) Composite Other; Matrix: DW WW MW Soil Air Other												
10/29/02 12:30 pm	INFLUENT	2		3		1	2					Same As Above	-2 7.19
	Description: Grab (circled) Composite Other; Matrix: DW WW MW Soil Air Other												
	T.B. 95-045-108-32												-3
	Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other												
	Description: Grab Composite Other; Matrix: DW WW MW Soil Air Other												

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER [signature]	10/29/02	Tom Jones [signature]	10/31/02 1117	0 0
				Shipping $4.68

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

OPERATION AND MAINTENANCE CHECKLIST

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System
CHEM-TROL Site
Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Paul Sleasman Weather/Temperature: Cloudy/50

Date: 10/29/02 Arrival Time: 10:35 am Departure Time: 1:30 pm

Reason for Service: Monthly Operation and Maintenance, Sampling

Inspection Items:	OK:	Comments:
Site Appearance/Condition	X	
Building Exterior		
Overhead Door	X	
Siding	X	
Roof and Discharge Pipe	X	
Building Interior		
Indication of Spills or Leaks	X	No
Building Heater	X	
Phone System	X	
Exhaust Fan	X	
Fire Extinguisher	X	
Groundwater Treatment System		
Air Stripper	X	Inspected portals in air stripper
Iron Removal Filter	X	Changed filter media with new media provided by Carbtrol
Bag Filter	X	Changed bags

Groundwater Treatment System (continued)

Flow Meters	X	Flowmeters EW #3 read 0 gpm
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	Pump running
EW-1 Transducer	X	
EW-1 Flow Meter	X	8 gpm
EW-2 Pump	X	Pump running
EW-2 Transducer	X	
EW- 2 Flow Meter	X	8 gpm
EW-3 Pump	X	Pump running
EW-3 Transducer	X	
TW-3 Flow Meter	X	Not registering

Effluent Discharge

Outfall		Not discharging to outfall – did not check
Meter Pit (if sanitary)		No meter pit
Cleanout		Did not check cleanout

Instrumentation/Readings:

EW-1

Pumping Rate	8 GPM
Water Level Above Transducer	244 Inches
Flow Meter Reading	515,557 gallons

EW-2

Pumping Rate	8 GPM
Water Level Above Transducer	214 Inches
Flow Meter Reading	1,165,015 gallons

EW-3

Pumping Rate	0 GPM
Water Level Above Transducer	198 Inches
Flow Meter Reading	4,266 gallons

Air Stripper

Stripper Blower Pressure	19.5 inches H_2O
Air Flow Rate	ft/sec
Air Temperature in Stripper	°F
Pressure Gauge- Left Leg	inches H_2O
Pressure Gauge- Right Leg	inches H_2O
Pressure/Vacuum on the Stripper	inches H_2O

Effluent Flow

Total System Meter Reading	1,130,200 gallons

Influent/Effluent Sampling

On a monthly basis, samples of the system influent and effluent must be collected and submitted for the following analyses:

- VOAs by Method 624
- SVOC by Method 625
- Metals (Al, B, Fe, Mn, Zn) by Method 608
- TDS
- TSS
- O&G

pH measurements must be made in the field:

Influent pH	7.18
Effluent pH	8.38

Notes/Explanations
(Please include any additional information on those items which require attention as indicated above.)

- Inspected air stripper of iron buildup;
- Removed bag filter, did not replace;
- Cleaned Iron Removal Filter and replaced filter media;
- Preformed monthly sampling event;
- Increased air flow in air stripper to 75%.

Monthly Operation and Maintenance

A copy of this checklist will be filled out on a monthly basis. This will be provide a basis for the reaction of the seasonal changes in water levels at the site and how the pumping of the treatment system is affecting this.

TABLES

Table 1
October 2002 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Effluent Parameters	Influent	Effluent	Treatment Requirements	(units)
Flow	7.02	gpm	Monitor	gpd
pH	7.2	8.3	6.5 to 8.5	standard units
Chloromethane	ND	ND		ug/L
Vinyl Chloride	ND	ND		ug/L
Bromomethane	ND	ND		ug/L
Chloroethane	ND	ND		ug/L
Trichlorofluoromethane	ND	ND		ug/L
Acrolein	ND	ND		ug/L
1,1-Dichloroethene	ND	ND		ug/L
Methylene Chloride	ND	ND		ug/L
Acrylonitrile	ND	ND		ug/L
trans-1,2-Dichloroethene	ND	ND		ug/L
1,1-Dichloroethane	ND	ND		ug/L
cis-1,2-Dichloroethene	ND	ND		ug/L
Carbon Tetrachloride	ND	ND		ug/L
Chloroform	ND	ND		ug/L
1,1,1-Trichloroethane	ND	ND		ug/L
Benzene	ND	ND		ug/L
1,2-Dichloroethane	ND	ND		ug/L
Trichloroethene	ND	ND		ug/L
1,2-Dichloropropane	ND	ND		ug/L
Bromodichloromethane	ND	ND		ug/L
2-Chloroethylvinylether	ND	ND		ug/L
cis-1,2-Dichloropropene	ND	ND		ug/L
Toluene	ND	ND		ug/L
trans-1,2-Dichloropropene	ND	ND		ug/L
1,1,2-Trichloroethane	ND	ND		ug/L
Tetrachloroethene	ND	ND		ug/L
Dibromochloromethane	ND	ND		ug/L
Chlorobenzene	ND	ND		ug/L
Ethylbenzene	ND	ND		ug/L
p-Xylene/m-Xylene	ND	ND		ug/L
o-Xylene	ND	ND		ug/L
Styrene	ND	ND		ug/L
Bromoform	ND	ND		ug/L
1,1,2,2-Tetrachlorethane	ND	ND		ug/L
1,3-Dichlorobenzene	ND	ND		ug/L
1,4-Dichlorobenzene	ND	ND		ug/L
1,2-Dichlorobenzene	ND	ND		ug/L
O-Chlorotoluene	**2700**	**170**		ug/L
Aluminum, Total	ND	ND		ug/L
Antimony	ND	ND		ug/L
Arsenic, Total	ND	ND		ug/L
Barium, Total	0.07	0.065		ug/L
Beryllium	ND	ND		ug/L
Cadmium	ND	ND		ug/L
Calcium	99.6	105		ug/L
Chromium	ND	ND		ug/L
Cobalt	ND	ND		ug/L
Copper	ND	ND		ug/L
Iron	**1.18**	**0.759**		ug/L
Lead	ND	ND		ug/L
Magnesium	28	29.1		ug/L
Manganese	0.438	0.47		ug/L
Mercury	ND	ND		ug/L
Nickel	ND	ND		ug/L
Potassium	4.86	5.05		ug/L
Selenium	ND	ND		ug/L
Sodium	70.8	75.5		ug/L
Thallium	ND	ND		ug/L
Vanadium	ND	ND		ug/L
Zinc	0.02	ND		ug/L
Oil and Grease	ND	ND		mg/L
TDS	746	732		mg/L
TSS	204.0	2.2		mg/L

Notes:

1) Positive results are presented in **bold** *typeface.*

2) ND indicates Not Detected at or above the laboratory reporting limit.

3) NA indicates Not Applicable.

4) "J" indicates an estimated concentration below the method detection limit.

5) Boxed in **bold** *denotes exceedance of treatment requirements.*

* Average daily flow as measured May 15, 2002 to May 29, 2002.

Table 2
Summary of October 2002 O&M Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:		**10/29/02**	**units**
EW-1			
	Pumping Rate	8	GPM
	Water Level Above Transducer	244	Inches
	Flow Meter Reading	515,557	gallons
EW-2			
	Pumping Rate	8	GPM
	Water Level Above Transducer	214	Inches
	Flow Meter Reading	1,165,015	gallons
EW-3			
	Pumping Rate	0	GPM
	Water Level Above Transducer	198	Inches
	Flow Meter Reading	4,266	gallons
Air Stripper			
	Stripper Blower Pressure	19.5	inches H_2O
	Air Temperature in Stripper	NW	°F
	Pressure Gauge - Left Leg	NW	inches H_2O
	Pressure Gauge - Right Leg	NW	inches H_2O
	Pressure/Vacuum on the Stripper		inches H_2O
Effluent Flow			
	Total System Meter Reading	1,130,200	gallons

Note: N/A indicates Not Available.
NW - Not working

Table 3
October 2002 Groundwater Treatment System Air Sampling Data
Chem-Trol Site
Town of Hamburg, New York

*** No Sample Collected**

Analyte	Post Air Stripper (PAS) 10/29/02 Results	RL
Dichlorodifluoromethane		0.04
Chloromethane		0.2
Vinyl Chloride		0.06
Bromomethane		0.2
Chloroethane		0.1
1,1-Dichloroethene		0.03
Trichlorofluoromethane		0.04
Carbon Disulfide		0.1
Methylene Chloride		0.06
trans-1,2-Dichloroethene		0.04
1,1-Dichloroethane		0.03
cis-1,2-Dichloroethene		0.04
Chloroform		0.03
1,1,1-Trichloroethane		0.02
Carbon Tetrachloride		0.03
Benzene		0.04
1,2-Dichloroethane		0.04
Trichloroethene		0.02
1,2-Dichloropropane		0.03
Dibromomethane		0.01
Bromodichloromethane		0.009
cis-1,3-Dichloropropene		0.02
Toluene		0.03
trans-1,3-Dichloropropene		0.04
1,1,2-Trichloroethane		0.02
Tetrachloroethene		0.03
Dibromochloromethane		0.01
EDB(1,2-Dibromoethane)		0.01
Chlorobenzene		0.02
1,1,1,2-Tetrachloroethane		0.02
Ethylbenzene		0.03
p-Xylene/m-Xylene		0.07
o-Xylene		0.03
Styrene		0.04
Bromoform		0.01
1,1,2,2-Tetrachloroethane		0.02
1,2,3-Trichloropropane		0.05
1,3-Dichlorobenzene		0.06

Notes:
1) All results are reported in ppm.
2) Positive results are presented in bold typeface.
3) ND indicates Not Detected (Below RL).
4) RL = Reporting Limit

Operation, Maintenance and Monitoring Report
December 2002

CHEM-TROL Site
Site 9-15-015

Prepared for:

SC HOLDINGS
4 LIBERTY LANE WEST
HAMPTON, NH 03842

Prepared by:

Earth Tech of New York, Inc.
40 British American Boulevard
Latham, New York 12110

40 British American Boulevard, Latham, New York 12110

January 7, 2003

Ms. Nicole Elliot, Industrial Wastewater Specialist
Erie County / Southtown's Sewage Treatment Agency
c/o Erie County Department of Environment and Planning
Room 1034
95 Franklin Street
Buffalo, New York 14202

RE: Erie County Sewer District No.3
S.C. Holdings, Inc.
4818 Lake Avenue
Blasdell, New York 14219
December Monthly Monitoring Report

Dear Ms. Elliot:

Telephone
518.951.2200
Facsimile
518.951.2300

Enclosed please find the monthly report for November. Earth Tech, Inc. (Earth Tech) is submitting this report on behalf of our client S.C. Holdings, Inc. S.C. Holdings, Inc. has authorized Earth Tech to submit these reports on their behalf.

The enclosed report contains the following information:

- Sample Collection Field Sheet with Certification Statement;
- Figure showing sampling location;
- Copy of Analytical results (see discussion below) and Chain-of-Custody Form;
- Operation, Maintenance and Monitoring Checklist; and
- Summary Tables of Analytical Results and Flow Readings.

The new discharge line is operational and no other changes have been implemented at this time. Earth Tech will continue to operate and monitor the system.

If you have any questions regarding the information presented in this report please do not hesitate to contact me at (518) 951-2229.

Sincerely,

EARTH TECH, INC.

Keith A. Decker
Project Manager

cc: David Moriera (S.C. Holdings)
Thomas Heines (McMahon and Mann)

SAMPLE COLLECTION FIELD SHEET

SAMPLE COLLECTION FIELD SHEET
CHEM-TROL SITE, BLASDELL, NEW YORK
PERMIT No. ST-15

Reporting Month:	December	
Date Sample Collected:	December 3, 2002	
Time Sample Collected:	5:00 pm	
Physical Observations:	- Smell	none
	- Odor	none
	- Consistency	water
	- Sight	clear
	- Floatable	none
	- Sheen	none
Water Meter Reading:	2,029,200 gallons	
Chain of Custody:	Attached	
Analysis Included in Report:	EPA Method 624 w/Chlorotoluene, Method 625 Method 608,TSS TDS, TAL Metals, Oil & Grease, pH	
Drawing of Sampling Location:	Attached	
Signature of Sampler:	Attached on Chain-of-Custody	
Sample Preservation:	Samples packed in Ice for shipment	
Date Received at Laboratory:	December 5, 2002	

CERTIFICATION STATEMENT

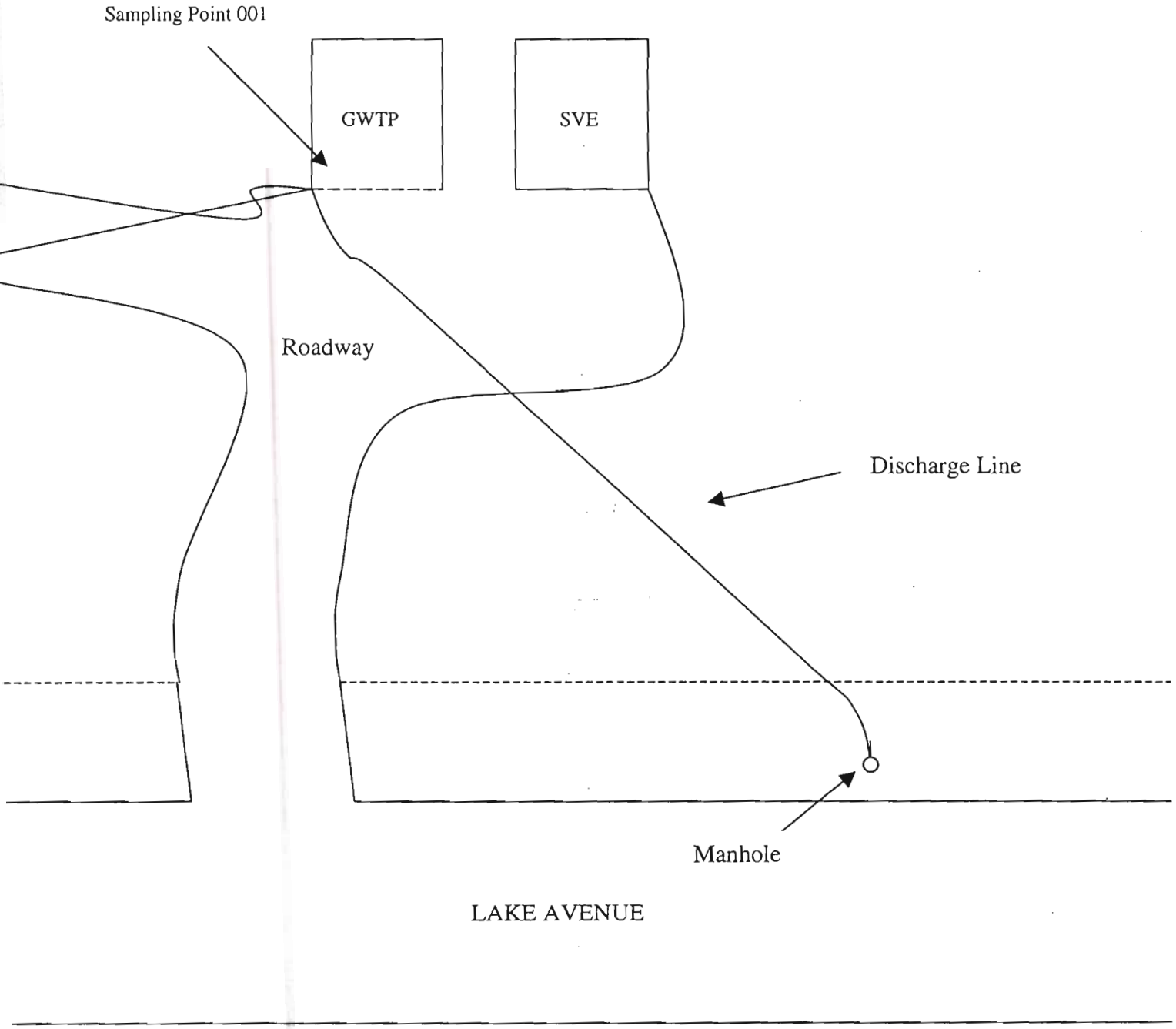
I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Keith H. Decker
Signature

1/7/03
Date

FIGURE 1 – Sampling Location

CHEM-TROL SITE LAYOUT
FIGURE 1



LABORATORY REPORTS

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:00 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
pH	7.07			05-DEC-02 13:02	EPA 150.1	02-119-28
Analysis Comment:pH as Received at Lab.						
Oil & Grease	3	mg/l	1	13-DEC-02 16:53	EPA 413.1	02-040-91
Solids, Dissolved	936	mg/l	10	09-DEC-02 19:08	EPA 160.1	02-065-83
Total Suspended Solids	4.2	mg/l	2	09-DEC-02 11:50	EPA 160.2	02-079-66
Aluminum	U	mg/l	0.075	09-DEC-02 08:52	EPA 200.7	02-104-03
Antimony	U	mg/l	0.050	09-DEC-02 08:52	EPA 200.7	02-104-03
Arsenic	U	mg/l	0.001	13-DEC-02 21:03	EPA 200.8	02-105-03
Barium	0.081	mg/l	0.016	09-DEC-02 08:52	EPA 200.7	02-104-03
Beryllium	U	mg/l	0.002	09-DEC-02 08:52	EPA 200.7	02-104-03
Cadmium	U	mg/l	0.005	09-DEC-02 08:52	EPA 200.7	02-104-03
Calcium	162	mg/l	0.500	09-DEC-02 08:52	EPA 200.7	02-104-03
Chromium	U	mg/l	0.010	09-DEC-02 08:52	EPA 200.7	02-104-03
Cobalt	U	mg/l	0.0100	09-DEC-02 08:52	EPA 200.7	02-104-03
Copper	U	mg/l	0.017	09-DEC-02 08:52	EPA 200.7	02-104-03
Iron	1.15	mg/l	0.040	09-DEC-02 08:52	EPA 200.7	02-104-03
Lead	U	mg/l	0.044	09-DEC-02 08:52	EPA 200.7	02-104-03
Magnesium	43.2	mg/l	0.500	09-DEC-02 08:52	EPA 200.7	02-104-03
Manganese	0.479	mg/l	0.005	09-DEC-02 08:52	EPA 200.7	02-104-03
Mercury	U	mg/l	0.0002	10-DEC-02 00:00	EPA 245.1	01-002-85

Approved by: _____
Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:00 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Nickel	U	mg/l	0.012	09-DEC-02 08:52	EPA 200.7	02-104-03
Potassium	5.17	mg/l	0.500	09-DEC-02 08:52	EPA 200.7	02-104-03
Selenium	U	mg/l	0.001	18-DEC-02 02:58	EPA 200.8	02-105-04
Silver	U	mg/l	0.001	18-DEC-02 02:58	EPA 200.8	02-105-04
Sodium	70.2	mg/l	0.200	09-DEC-02 08:52	EPA 200.7	02-104-03
Thallium	U	mg/l	0.001	13-DEC-02 21:03	EPA 200.8	02-105-03
Vanadium	U	mg/l	0.010	09-DEC-02 08:52	EPA 200.7	02-104-03
Zinc	U	mg/l	0.020	09-DEC-02 08:52	EPA 200.7	02-104-03
EPA 624						
Chloromethane	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Vinyl chloride	U	ug/l	100	14-DEC-02 01:08	EPA 624	02-126-5343
Bromomethane	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Chloroethane	U	ug/l	500	14-DEC-02 01:08	EPA 624	02-126-5343
Trichlorofluoromethane	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Acrolein	U	ug/l	1000	14-DEC-02 01:08	EPA 624	02-126-5343
1,1-Dichloroethene	U	ug/l	500	14-DEC-02 01:08	EPA 624	02-126-5343
Methylene chloride	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Acrylonitrile	U	ug/l	1000	14-DEC-02 01:08	EPA 624	02-126-5343
trans-1,2-Dichloroethene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
1,1-Dichloroethane	U	ug/l	500	14-DEC-02 01:08	EPA 624	02-126-5343
cis-1,2-Dichloroethene	U	ug/l	500	14-DEC-02 01:08	EPA 624	02-126-5343
Carbon tetrachloride	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Chloroform	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
1,1,1-Trichloroethane	U	ug/l	500	14-DEC-02 01:08	EPA 624	02-126-5343
Benzene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
1,2-Dichloroethane	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Trichloroethene	U	ug/l	500	14-DEC-02 01:08	EPA 624	02-126-5343
1,2-Dichloropropane	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Bromodichloromethane	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
2-Chloroethylvinylether	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
cis-1,3-Dichloropropene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Toluene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:00 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
rans-1,3-Dichloropropene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
,1,2-Trichloroethane	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
etrachloroethene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Dibromochloromethane	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Chlorobenzene	U	ug/l	500	14-DEC-02 01:08	EPA 624	02-126-5343
thylbenzene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
-Xylene/m-Xylene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
-Xylene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Styrene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
Bromoform	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
,1,2,2-Tetrachloroethane	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
,3-Dichlorobenzene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
,4-Dichlorobenzene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
1,2-Dichlorobenzene	U	ug/l	250	14-DEC-02 01:08	EPA 624	02-126-5343
-Chlorotoluene	9700	ug/l	500	14-DEC-02 01:08	EPA 624	02-126-5343
urrogate Recovery:						
Dibromofluoromethane	96	%				02-126-5343
Toluene-d8	102	%				02-126-5343
-Bromofluorobenzene	104	%				02-126-5343
,2-Dichloroethane-d4	94	%				02-126-5343

Analysis Comment:Elevated detection limits due to the presence of nontarget analyte.

EPA 608

alpha-BHC	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
beta-BHC	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Lindane (gamma-BHC)	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
delta-BHC	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Heptachlor	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Aldrin	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Heptachlor epoxide	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Endosulfan I	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
4,4'-DDE	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Dieldrin	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Endrin	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Endosulfan II	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
4,4'-DDD	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Endrin aldehyde	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038

pproved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:00 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Endosulfan sulfate	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
,4'-DDT	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Methoxychlor	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Chlordane	U	ug/l	0.03	09-DEC-02 18:10	EPA 608	02-097-7038
Toxaphene	U	ug/l	0.3	09-DEC-02 18:10	EPA 608	02-097-7038
PCB 1016	U	ug/l	0.05	10-DEC-02 09:49	EPA 608	02-117-1064
PCB 1221	U	ug/l	0.1	10-DEC-02 09:49	EPA 608	02-117-1064
PCB 1232	U	ug/l	0.05	10-DEC-02 09:49	EPA 608	02-117-1064
PCB 1242	U	ug/l	0.05	10-DEC-02 09:49	EPA 608	02-117-1064
PCB 1248	U	ug/l	0.05	10-DEC-02 09:49	EPA 608	02-117-1064
PCB 1254	U	ug/l	0.05	10-DEC-02 09:49	EPA 608	02-117-1064
PCB 1260	U	ug/l	0.05	10-DEC-02 09:49	EPA 608	02-117-1064
Extraction Information:				06-DEC-02 00:00		02-090-55
Surrogate Recovery:						
Decachlorobiphenyl	71	%				02-117-1064
Decachlorobiphenyl	76	%				02-097-7038
Tetrachloro-m-xylene	66	%				02-117-1064
Tetrachloro-m-xylene	72	%				02-097-7038
EPA 625						
n-Nitrosodimethylamine	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Bis(2-chloroethylether)	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Phenol	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2-Chlorophenol	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
1,3-Dichlorobenzene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
1,4-Dichlorobenzene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
1,2-Dichlorobenzene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Bis(2-chloroisopropylether)	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Hexachloroethane	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
N-Nitrosodi-N-propylamine	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Nitrobenzene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Isophorone	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2-Nitrophenol	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2,4-Dimethylphenol	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Bis(2-chloroethoxymethane)	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2,4-Dichlorophenol	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:00 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,2,4-Trichlorobenzene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Naphthalene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Hexachlorobutadiene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
4-Chloro-3-methylphenol	U	ug/l	10	20-DEC-02 08:31	EPA 625	02-069-1970
Hexachlorocyclopentadiene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2,4,6-Trichlorophenol	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2,4,5-Trichlorophenol	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2-Chloronaphthalene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Dimethyl phthalate	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Acenaphthylene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2,6-Dinitrotoluene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Acenaphthene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2,4-Dinitrophenol	U	ug/l	20	20-DEC-02 08:31	EPA 625	02-069-1970
2,4-Dinitrotoluene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
4-Nitrophenol	U	ug/l	20	20-DEC-02 08:31	EPA 625	02-069-1970
Diethyl phthalate	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Fluorene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
4-Chlorophenylphenylether	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
2-Methyl-4,6-dinitrophenol	U	ug/l	20	20-DEC-02 08:31	EPA 625	02-069-1970
N-Nitrosodiphenylamine	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
4-Bromophenylphenylether	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Hexachlorobenzene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Pentachlorophenol	U	ug/l	20	20-DEC-02 08:31	EPA 625	02-069-1970
Phenanthrene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Anthracene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Di-n-butyl phthalate	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Fluoranthene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Benzidine	U	ug/l	20	20-DEC-02 08:31	EPA 625	02-069-1970
Pyrene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Butylbenzyl phthalate	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Benzo(a)anthracene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
3,3-Dichlorobenzidine	U	ug/l	10	20-DEC-02 08:31	EPA 625	02-069-1970
Chrysene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Bis-2-ethylhexyl phthalate	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Di-n-octyl phthalate	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Benzo(b)fluoranthene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Benzo(k)fluoranthene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Benzo(a)pyrene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Indeno(1,2,3-cd)pyrene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Dibenzo(a,h)anthracene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970
Benzo(g,h,i)perylene	U	ug/l	5	20-DEC-02 08:31	EPA 625	02-069-1970

Approved by: Lab Director

QC

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-1

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: INFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:00 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				10-DEC-02 00:00		02-085-38
Surrogate Recovery:						
Terphenyl-d14	74	%				02-069-1970
2-Fluorophenol	47	%				02-069-1970
Phenol-d5	36	%				02-069-1970
2,4,6-Tribromophenol	75	%				02-069-1970
Nitrobenzene-d5	69	%				02-069-1970
2-Fluorobiphenyl	70	%				02-069-1970

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:20 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
pH	8.12			05-DEC-02 13:02	EPA 150.1	02-119-28
Analysis Comment:pH as Received at Lab.						
Oil & Grease	4	mg/l	1	13-DEC-02 16:53	EPA 413.1	02-040-91
Solids, Dissolved	920	mg/l	10	09-DEC-02 19:08	EPA 160.1	02-065-83
Total Suspended Solids	15.8	mg/l	2	09-DEC-02 11:50	EPA 160.2	02-079-66
Aluminum	U	mg/l	0.075	09-DEC-02 08:54	EPA 200.7	02-104-03
Antimony	U	mg/l	0.050	09-DEC-02 08:54	EPA 200.7	02-104-03
Arsenic	U	mg/l	0.001	13-DEC-02 21:17	EPA 200.8	02-105-03
Barium	0.091	mg/l	0.016	09-DEC-02 08:54	EPA 200.7	02-104-03
Beryllium	U	mg/l	0.002	09-DEC-02 08:54	EPA 200.7	02-104-03
Cadmium	U	mg/l	0.005	09-DEC-02 08:54	EPA 200.7	02-104-03
Calcium	168	mg/l	0.500	09-DEC-02 08:54	EPA 200.7	02-104-03
Chromium	U	mg/l	0.010	09-DEC-02 08:54	EPA 200.7	02-104-03
Cobalt	U	mg/l	0.0100	09-DEC-02 08:54	EPA 200.7	02-104-03
Copper	U	mg/l	0.017	09-DEC-02 08:54	EPA 200.7	02-104-03
Iron	4.37	mg/l	0.040	09-DEC-02 08:54	EPA 200.7	02-104-03
Lead	U	mg/l	0.044	09-DEC-02 08:54	EPA 200.7	02-104-03
Magnesium	43	mg/l	0.500	09-DEC-02 08:54	EPA 200.7	02-104-03
Manganese	0.662	mg/l	0.005	09-DEC-02 08:54	EPA 200.7	02-104-03
Mercury	U	mg/l	0.0002	10-DEC-02 00:00	EPA 245.1	01-002-85

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:20 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Nickel	U	mg/l	0.012	09-DEC-02 08:54	EPA 200.7	02-104-03
Potassium	5.11	mg/l	0.500	09-DEC-02 08:54	EPA 200.7	02-104-03
Selenium	U	mg/l	0.001	18-DEC-02 03:02	EPA 200.8	02-105-04
Silver	U	mg/l	0.001	13-DEC-02 21:17	EPA 200.8	02-105-03
Sodium	70.1	mg/l	0.200	09-DEC-02 08:54	EPA 200.7	02-104-03
Thallium	U	mg/l	0.001	13-DEC-02 21:17	EPA 200.8	02-105-03
Vanadium	U	mg/l	0.010	09-DEC-02 08:54	EPA 200.7	02-104-03
Zinc	U	mg/l	0.020	09-DEC-02 08:54	EPA 200.7	02-104-03
EPA 624						
Chloromethane	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Vinyl chloride	U	ug/l	10	17-DEC-02 09:08	EPA 624	02-126-5382
Bromomethane	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Chloroethane	U	ug/l	50	17-DEC-02 09:08	EPA 624	02-126-5382
Trichlorofluoromethane	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Acrolein	U	ug/l	100	17-DEC-02 09:08	EPA 624	02-126-5382
1,1-Dichloroethene	U	ug/l	50	17-DEC-02 09:08	EPA 624	02-126-5382
Methylene chloride	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Acrylonitrile	U	ug/l	100	17-DEC-02 09:08	EPA 624	02-126-5382
trans-1,2-Dichloroethene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
1,1-Dichloroethane	U	ug/l	50	17-DEC-02 09:08	EPA 624	02-126-5382
cis-1,2-Dichloroethene	U	ug/l	50	17-DEC-02 09:08	EPA 624	02-126-5382
Carbon tetrachloride	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Chloroform	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
1,1,1-Trichloroethane	U	ug/l	50	17-DEC-02 09:08	EPA 624	02-126-5382
Benzene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
1,2-Dichloroethane	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Trichloroethene	U	ug/l	50	17-DEC-02 09:08	EPA 624	02-126-5382
1,2-Dichloropropane	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Bromodichloromethane	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
2-Chloroethylvinylether	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
cis-1,3-Dichloropropene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Toluene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-2

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40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:20 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
trans-1,3-Dichloropropene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
1,1,2-Trichloroethane	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Tetrachloroethene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Dibromochloromethane	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Chlorobenzene	U	ug/l	50	17-DEC-02 09:08	EPA 624	02-126-5382
Ethylbenzene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
p-Xylene/m-Xylene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
o-Xylene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Styrene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
Bromoform	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
1,1,2,2-Tetrachloroethane	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
1,3-Dichlorobenzene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
1,4-Dichlorobenzene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
1,2-Dichlorobenzene	U	ug/l	25	17-DEC-02 09:08	EPA 624	02-126-5382
2-Chlorotoluene	950	ug/l	50	17-DEC-02 09:08	EPA 624	02-126-5382
Surrogate Recovery:						
Dibromofluoromethane	99	%				02-126-5382
Toluene-d8	101	%				02-126-5382
4-Bromofluorobenzene	104	%				02-126-5382
1,2-Dichloroethane-d4	90	%				02-126-5382

Analysis Comment:Elevated detection limits due to the presence of nontarget analyte.

EPA 608

alpha-BHC	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
beta-BHC	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Lindane (gamma-BHC)	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
delta-BHC	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Heptachlor	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Aldrin	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Heptachlor epoxide	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Endosulfan I	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
4,4'-DDE	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Dieldrin	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Endrin	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Endosulfan II	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
4,4'-DDD	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Endrin aldehyde	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligram per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:20 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
ndosulfan sulfate	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
,4'-DDT	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
ethoxychlor	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
hlordane	U	ug/l	0.03	09-DEC-02 18:41	EPA 608	02-097-7039
Toxaphene	U	ug/l	0.3	09-DEC-02 18:41	EPA 608	02-097-7039
CB 1016	U	ug/l	0.05	10-DEC-02 10:20	EPA 608	02-117-1065
CB 1221	U	ug/l	0.1	10-DEC-02 10:20	EPA 608	02-117-1065
CB 1232	U	ug/l	0.05	10-DEC-02 10:20	EPA 608	02-117-1065
CB 1242	U	ug/l	0.05	10-DEC-02 10:20	EPA 608	02-117-1065
PCB 1248	U	ug/l	0.05	10-DEC-02 10:20	EPA 608	02-117-1065
CB 1254	U	ug/l	0.05	10-DEC-02 10:20	EPA 608	02-117-1065
CB 1260	U	ug/l	0.05	10-DEC-02 10:20	EPA 608	02-117-1065
Extraction Information:				06-DEC-02 00:00		02-090-55
urrogate Recovery:						
ecachlorobiphenyl	62	%				02-117-1065
Decachlorobiphenyl	70	%				02-097-7039
etrachloro-m-xylene	75	%				02-097-7039
etrachloro-m-xylene	77	%				02-117-1065
EPA 625						
-Nitrosodimethylamine	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
is(2-chloroethylether)	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
henol	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
2-Chlorophenol	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
,3-Dichlorobenzene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
,4-Dichlorobenzene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
,2-Dichlorobenzene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
is(2-chloroisopropylether)	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Hexachloroethane	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
-Nitrosodi-N-propylamine	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
itrobenzene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
sophorone	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
2-Nitrophenol	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
2,4-Dimethylphenol	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
is(2-chloroethoxymethane)	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
,4-Dichlorophenol	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971

pproved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:20 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
1,2,4-Trichlorobenzene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Naphthalene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Hexachlorobutadiene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
4-Chloro-3-methylphenol	U	ug/l	10	20-DEC-02 09:26	EPA 625	02-069-1971
Hexachlorocyclopentadiene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
2,4,6-Trichlorophenol	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
2,4,5-Trichlorophenol	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
2-Chloronaphthalene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Dimethyl phthalate	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Acenaphthylene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
2,6-Dinitrotoluene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Acenaphthene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
2,4-Dinitrophenol	U	ug/l	20	20-DEC-02 09:26	EPA 625	02-069-1971
2,4-Dinitrotoluene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
4-Nitrophenol	U	ug/l	20	20-DEC-02 09:26	EPA 625	02-069-1971
Diethyl phthalate	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Fluorene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
4-Chlorophenylphenylether	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
2-Methyl-4,6-dinitrophenol	U	ug/l	20	20-DEC-02 09:26	EPA 625	02-069-1971
N-Nitrosodiphenylamine	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
4-Bromophenylphenylether	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Hexachlorobenzene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Pentachlorophenol	U	ug/l	20	20-DEC-02 09:26	EPA 625	02-069-1971
Phenanthrene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Anthracene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Di-n-butyl phthalate	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Fluoranthene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Benzidine	U	ug/l	20	20-DEC-02 09:26	EPA 625	02-069-1971
Pyrene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Butylbenzyl phthalate	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Benzo(a)anthracene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
3,3-Dichlorobenzidine	U	ug/l	10	20-DEC-02 09:26	EPA 625	02-069-1971
Chrysene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Bis-2-ethylhexyl phthalate	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Di-n-octyl phthalate	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Benzo(b)fluoranthene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Benzo(k)fluoranthene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Benzo(a)pyrene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Indeno(1,2,3-cd)pyrene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Dibenzo(a,h)anthracene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971
Benzo(g,h,i)perylene	U	ug/l	5	20-DEC-02 09:26	EPA 625	02-069-1971

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

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FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-2

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: CHEMTROL
Origin: EFFLUENT
Description: GRAB
Sampled On: 03-DEC-02 19:20 by CLIENT
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Extraction Information:				10-DEC-02 00:00		02-085-38
Surrogate Recovery:						
Terphenyl-d14	69	%				02-069-1971
2-Fluorophenol	40	%				02-069-1971
Phenol-d5	32	%				02-069-1971
2,4,6-Tribromophenol	70	%				02-069-1971
Nitrobenzene-d5	59	%				02-069-1971
2-Fluorobiphenyl	62	%				02-069-1971

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC

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FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-34
Description: TRIP BLANK
Sampled On: 03-DEC-02 00:00 by LAB
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 624						
hloromethane	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
inyl chloride	U	ug/l	2	13-DEC-02 20:55	EPA 624	02-126-5336
romomethane	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
hloroethane	U	ug/l	10	13-DEC-02 20:55	EPA 624	02-126-5336
Trichlorofluoromethane	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
crolein	U	ug/l	20	13-DEC-02 20:55	EPA 624	02-126-5336
,1-Dichloroethene	U	ug/l	10	13-DEC-02 20:55	EPA 624	02-126-5336
ethylene chloride	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
Acrylonitrile	U	ug/l	20	13-DEC-02 20:55	EPA 624	02-126-5336
trans-1,2-Dichloroethene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
,1-Dichloroethane	U	ug/l	10	13-DEC-02 20:55	EPA 624	02-126-5336
is-1,2-Dichloroethene	U	ug/l	10	13-DEC-02 20:55	EPA 624	02-126-5336
arbon tetrachloride	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
Chloroform	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
1,1,1-Trichloroethane	U	ug/l	10	13-DEC-02 20:55	EPA 624	02-126-5336
enzene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
,2-Dichloroethane	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
richloroethene	U	ug/l	10	13-DEC-02 20:55	EPA 624	02-126-5336
1,2-Dichloropropane	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
Bromodichloromethane	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
-Chloroethylvinylether	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
is-1,3-Dichloropropene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
oluene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
trans-1,3-Dichloropropene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
,1,2-Trichloroethane	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
etrachloroethene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
ibromochloromethane	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
hlorobenzene	U	ug/l	10	13-DEC-02 20:55	EPA 624	02-126-5336
Ethylbenzene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
-Xylene/m-Xylene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
-Xylene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
tyrene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
Bromoform	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
1,1,2,2-Tetrachloroethane	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
,3-Dichlorobenzene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
,4-Dichlorobenzene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
,2-Dichlorobenzene	U	ug/l	5	13-DEC-02 20:55	EPA 624	02-126-5336
2-Chlorotoluene	U	ug/l	10	13-DEC-02 20:55	EPA 624	02-126-5336

Approved by: Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

QC MCO

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B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

e information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost r these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY I · N · C

32 ITHACA STREET WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Date:27-DEC-2002

Lab Sample ID: L97779-3

Earth Tech
Keith Decker
40 British American Blvd.
Latham, NY 12110

Sample Source: FRIEND LABORATORY, INC.
Origin: 95-045-108-34
Description: TRIP BLANK
Sampled On: 03-DEC-02 00:00 by LAB
Date Received: 05-DEC-02 13:02
P.O. No: N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	98	%				02-126-5336
Toluene-d8	100	%				02-126-5336
4-Bromofluorobenzene	107	%				02-126-5336
1,2-Dichloroethane-d4	93	%				02-126-5336

Approved by: _____
Lab Director

NY 10252 NJ 73168 PA 68180 EPA NY 00033

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CUSTOMER CODE # _____ **CHAIN OF CUSTODY RECORD** PAGE 1 OF 1

FLI FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565-4083

Sample Site: CHEMTROL

P.O. #

	Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: EARTH TECH
ADDRESS: C/O BRITISH AMERICAN BLVD LATHAM, NY 12110
PHONE: 518 951-2706 FAX: 518 951 2300

INVOICE TO: KEITH DECKER
ADDRESS: EARTH TECH 40 British American Blvd. LATHAM, NY. 12110

PROJECT NO. / NAME: CHEMTROL

COPY TO:
ADDRESS:

97779

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	SAMPLE NUMBER
12/3/02 7:00 pm	INFLUENT	4 4 2 1 1 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	VOAs by EPA 8260 METALS, TDS, TSS, O+G 7.07	-1
12/3/02 7:20 pm	EFFLUENT	4 4 2 1 1 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	SAME AS ABOVE 624 Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, O+G, pH, K, Se, Na TDS, TSS, Tl, V Zn 608, 625	-2 8.12
	95-045-108-34	Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		-3
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE /TIME	ACCEPTED BY	DATE/TIME	NOTES TO LABORATORY
SAMPLER: Paul C		Tom Jones	12/5/02 1:02	0° Shipping $ 10.84

SUSPECTED CONTAMINATION LEVEL
NONE SLIGHT MODERATE HIGH (please circle)

OPERATION AND MAINTENANCE CHECKLIST

Operation, Maintenance & Monitoring Checklist

Groundwater Treatment System
CHEM-TROL Site
Town of Hamburg, New York

This summary inspection checklist is to be completed during each site inspection. Note all items which require repair or maintenance. Use the last page to note any additional comments or unusual events.

General

Service by: Paul Sleasman Weather/Temperature: Partly Cloudy/15

Date: 12/03/02 Arrival Time: 5:00 pm Departure Time: 8:30 pm

Reason for Service: Monthly Operation and Maintenance, Sampling

Inspection Items:	OK:	Comments:
Site Appearance/Condition	X	
Building Exterior		
Overhead Door	X	
Siding	X	
Roof and Discharge Pipe	X	
Building Interior		
Indication of Spills or Leaks	X	No
Building Heater	X	
Phone System	X	
Exhaust Fan	X	
Fire Extinguisher	X	
Groundwater Treatment System		
Air Stripper	X	Inspected portals in air stripper
Iron Removal Filter	X	Changed filter media with new media provided by Carbtrol
Bag Filter	X	Changed bags

Groundwater Treatment System (continued)

Flow Meters	X	Flowmeters EW #3 read 0 gpm
Gauges	X	
Stripper Blower	X	
Indication of Alarm	X	

Groundwater Treatment Wells

EW-1 Pump	X	Pump running
EW-1 Transducer	X	
EW-1 Flow Meter	X	8 gpm
EW-2 Pump	X	Pump running
EW-2 Transducer	X	
EW- 2 Flow Meter	X	8 gpm
EW-3 Pump	X	Pump running
EW-3 Transducer	X	
TW-3 Flow Meter	X	Not registering

Effluent Discharge

Outfall		Not discharging to outfall – did not check
Meter Pit (if sanitary)		No meter pit
Cleanout		Did not check cleanout

Instrumentation/Readings:

EW-1

Pumping Rate	8 GPM
Water Level Above Transducer	146 Inches
Flow Meter Reading	895,640 gallons

EW-2

Pumping Rate	8 GPM
Water Level Above Transducer	214 Inches
Flow Meter Reading	1,547,159 gallons

EW-3

Pumping Rate	0	GPM
Water Level Above Transducer	228	Inches
Flow Meter Reading	4,266	gallons

Air Stripper

Stripper Blower Pressure	20.0	inches H_2O
Air Flow Rate		ft/sec
Air Temperature in Stripper		°F
Pressure Gauge- Left Leg		inches H_2O
Pressure Gauge- Right Leg		inches H_2O
Pressure/Vacuum on the Stripper		inches H_2O

Effluent Flow

Total System Meter Reading	2,029,200	gallons

Influent/Effluent Sampling

On a monthly basis, samples of the system influent and effluent must be collected and submitted for the following analyses:

- VOAs by Method 624
- SVOC by Method 625
- Metals (Al, B, Fe, Mn, Zn) by Method 608
- TDS
- TSS
- O&G

pH measurements must be made in the field:

Influent pH	7.0
Effluent pH	7.0

Notes/Explanations

(Please include any additional information on those items which require attention as indicated above.)

- Inspected air stripper of iron buildup;
- Cleaned Iron Removal Filter and replaced filter media;
- Preformed monthly sampling event;
- Open air stripper to 100%.

Monthly Operation and Maintenance

A copy of this checklist will be filled out on a monthly basis. This will be provide a basis for the reaction of the seasonal changes in water levels at the site and how the pumping of the treatment system is affecting this.

TABLES

Table 1
December 2002 Summary of Influent and Effluent Data

Chem-Trol Site
Town of Hamburg, New York

Effluent Parameters	Influent	Effluent	Treatment Requirements	(units)
Flow	17.84	gpm	Monitor	gpd
pH	7.1	8.12	6.5 to 8.5	standard units
Chloromethane	ND	ND		ug/L
Vinyl Chloride	ND	ND		ug/L
Bromomethane	ND	ND		ug/L
Chloroethane	ND	ND		ug/L
Trichlorofluoromethane	ND	ND		ug/L
Acrolein	ND	ND		ug/L
1,1-Dichloroethene	ND	ND		ug/L
Methylene Chloride	ND	ND		ug/L
Acrylonitrile	ND	ND		ug/L
trans-1,2-Dichloroethene	ND	ND		ug/L
1,1-Dichloroethane	ND	ND		ug/L
cis-1,2-Dichloroethene	ND	ND		ug/L
Carbon Tetrachloride	ND	ND		ug/L
Chloroform	ND	ND		ug/L
1,1,1-Trichloroethane	ND	ND		ug/L
Benzene	ND	ND		ug/L
1,2-Dichloroethane	ND	ND		ug/L
Trichloroethene	ND	ND		ug/L
1,2-Dichloropropane	ND	ND		ug/L
Bromodichloromethane	ND	ND		ug/L
2-Chloroethylvinylether	ND	ND		ug/L
cis-1,2-Dichloropropene	ND	ND		ug/L
Toluene	ND	ND		ug/L
trans-1,2-Dichloropropene	ND	ND		ug/L
1,1,2-Trichloroethane	ND	ND		ug/L
Tetrachloroethene	ND	ND		ug/L
Dibromochloromethane	ND	ND		ug/L
Chlorobenzene	ND	ND		ug/L
Ethylbenzene	ND	ND		ug/L
p-Xylene/m-Xylene	ND	ND		ug/L
o-Xylene	ND	ND		ug/L
Styrene	ND	ND		ug/L
Bromoform	ND	ND		ug/L
1,1,2,2-Tetrachlorethane	ND	ND		ug/L
1,3-Dichlorobenzene	ND	ND		ug/L
1,4-Dichlorobenzene	ND	ND		ug/L
1,2-Dichlorobenzene	ND	ND		ug/L
O-Chlorotoluene	**9700**	**950**		ug/L
Aluminum, Total	ND	ND		ug/L
Antimony	ND	ND		ug/L
Arsenic, Total	ND	ND		ug/L
Barium, Total	**0.081**	**0.091**		ug/L
Beryllium	ND	ND		ug/L
Cadmium	ND	ND		ug/L
Calcium	**162**	168		ug/L
Chromium	ND	ND		ug/L
Cobalt	ND	ND		ug/L
Copper	ND	ND		ug/L
Iron	**1.15**	**4.37**		ug/L
Lead	ND	ND		ug/L
Magnesium	**43.2**	**43**		ug/L
Manganese	**0.479**	**0.662**		ug/L
Mercury	ND	ND		ug/L
Nickel	ND	ND		ug/L
Potassium	**5.17**	**5.11**		ug/L
Selenium	ND	ND		ug/L
Sodium	**70.2**	**70.1**		ug/L
Thallium	ND	ND		ug/L
Vanadium	ND	ND		ug/L
Zinc	ND	ND		ug/L
Oil and Grease	**3**	**4**		mg/L
TDS	**936**	**920**		mg/L
TSS	**4.2**	**15.8**		mg/L

Notes:

1) Positive results are presented in ***bold*** *typeface.*

2) ND indicates Not Detected at or above the laboratory reporting limit.

3) NA indicates Not Applicable.

4) "J" indicates an estimated concentration below the method detection limit.

5) Boxed in ***bold*** *denotes exceedance of treatment requirements.*

* Average daily flow as measured May 15, 2002 to May 29, 2002.

Table 2
Summary of December 2002 O&M Data

Chem-Trol Site
Town of Hamburg, New York

Instrumentation/Readings:		**12/3/2002**	**units**
EW-1			
	Pumping Rate	8	GPM
	Water Level Above Transducer	146	Inches
	Flow Meter Reading	895,640	gallons
EW-2			
	Pumping Rate	8	GPM
	Water Level Above Transducer	214	Inches
	Flow Meter Reading	1,547,159	gallons
EW-3			
	Pumping Rate	0	GPM
	Water Level Above Transducer	228	Inches
	Flow Meter Reading	4,266	gallons
Air Stripper			
	Stripper Blower Pressure	20	inches H_2O
	Air Temperature in Stripper	NW	°F
	Pressure Gauge - Left Leg	NW	inches H_2O
	Pressure Gauge - Right Leg	NW	inches H_2O
	Pressure/Vacuum on the Stripper		inches H_2O
Effluent Flow			
	Total System Meter Reading	2,029,200	gallons

Note: N/A indicates Not Available.
NW - Not working

Table 3
December 2002 Groundwater Treatment System Air Sampling Data
Chem-Trol Site
Town of Hamburg, New York

*** No Sample Collected**

Analyte	Post Air Stripper (PAS) 12/03/02 Results	RL
Dichlorodifluoromethane		0.04
Chloromethane		0.2
Vinyl Chloride		0.06
Bromomethane		0.2
Chloroethane		0.1
1,1-Dichloroethene		0.03
Trichlorofluoromethane		0.04
Carbon Disulfide		0.1
Methylene Chloride		0.06
trans-1,2-Dichloroethene		0.04
1,1-Dichloroethane		0.03
cis-1,2-Dichloroethene		0.04
Chloroform		0.03
1,1,1-Trichloroethane		0.02
Carbon Tetrachloride		0.03
Benzene		0.04
1,2-Dichloroethane		0.04
Trichloroethene		0.02
1,2-Dichloropropane		0.03
Dibromomethane		0.01
Bromodichloromethane		0.009
cis-1,3-Dichloropropene		0.02
Toluene		0.03
trans-1,3-Dichloropropene		0.04
1,1,2-Trichloroethane		0.02
Tetrachloroethene		0.03
Dibromochloromethane		0.01
EDB(1,2-Dibromoethane)		0.01
Chlorobenzene		0.02
1,1,1,2-Tetrachloroethane		0.02
Ethylbenzene		0.03
p-Xylene/m-Xylene		0.07
o-Xylene		0.03
Styrene		0.04
Bromoform		0.01
1,1,2,2-Tetrachloroethane		0.02
1,2,3-Trichloropropane		0.05
1,3-Dichlorobenzene		0.06

Notes:
1) All results are reported in ppm.
2) Positive results are presented in bold typeface.
3) ND indicates Not Detected (Below RL).
4) RL = Reporting Limit

SVE Operational Data Collected Prior to 2002

McMahon & Mann
Consulting Engineers, P.C.

McMahon & Mann
Consulting Engineers, P.C.
2495 Main Street • Suite 511 • Buffalo, New York 14214

Donald R. McMahon, P.E.
Michael J. Mann, P.E.
Thomas R. Heins, P.E.

April 21, 1999
File: 94-022

Mr. Al Zylinski
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203-2999

RE: Chem-Trol Site,
SVE System Startup Analytical Data

Dear Mr. Zylinski;

This letter summarizes the results of testing completed as part of the start-up of the soil vapor extraction (SVE) system at the Chem-Trol Site in Hamburg, New York. Parameters to be utilized during operation of the proposed SVE system are then discussed.

The SVE system was operated from March 16 through 31, 1999. A temporary carbon canister was used to treat emissions from the system as discussed in our November 23, 1999 letter to New York State Department of Environmental Conservation. Samples were collected from the system upstream of the carbon treatment on March 16 through 20, 1999 in the morning and afternoon. Samples were also taken downstream of the carbon treatment on March 16, 1999 to verify the effectiveness of the carbon. The samples were analyzed for the target compound list volatile organic compounds. The analytical test results are summarized in Table 1 and are included in Attachment A.

The air discharge from the SVE system was also monitored with an organic vapor meter (OVM) each day it was operated. The air upstream and downstream of the carbon treatment was tested. Table 2 contains a summary of the OVM readings.

The test results for the samples collected downstream of the carbon treatment indicate that volatile organic compounds were not present in the discharge.

The air sample test results for the samples collected upstream of the carbon treatment were used to calculate the "Actual Annual Impact" using procedures presented in "Draft New York State Air Guide-1" NYSDEC Division of Air Resources, 1991, Appendix B, Standard Point Source Method. This was done to evaluate appropriate operating conditions for the system without treatment. Attachment B presents the calculations. These calculations are based on a flow rate of 90 standard cubic feet per minute and the concentrations observed in the sample collected in the afternoon on March 20, 1999. This sample generally contained greater compound concentrations than the other samples. The OVM measurement made when this sample was collected was 26.6 ppm.

Table 3 contains a summary of the "Actual Annual Impact" calculations along with the Short Term Guidance Criteria (SGC) and the Annual Guidance Criteria (AGC). Air Guide-1 states that the Actual Annual Impact cannot exceed the AGC. The calculated "Actual Annual Impact" for each compound is less than the ACG by at least a factor of 1.5. The concentration of 1,1-dichloroethene, the compound resulting in an impact closest to the AGC, was about 1.54 times less than the ACG.

The calculations summarized in Table 3 indicate a discharge from the SVE system with a OVM measurement of about 41 ppm (1.54 times 26.6 ppm) would meet the criteria in Air Guide-1. It is proposed that the air make-up valves on the system are adjusted such that the total organic vapor concentration is 26 ppm at a flow rate of 90 standard cubic feet per minute providing a factor of safety of about 1.5 against exceeding the AGC for 1,1-dichloroethene.

The air discharge will be monitored with an OVM on a monthly basis for a period of 6 months. Samples of the discharge from the SVE system will also be collected on a quarterly basis for target compound list volatile organic compound analysis. After 6 months these data will be assessed to verify that the system is operating within the Air Guide-1 criteria and operating procedures will be re-evaluated.

Please call if you have any questions or would like to discuss this matter further.

Sincerely yours,

McMAHON & MANN CONSULTING ENGINEERS, P.C.

Thomas R. Heins, P.E.
cc: Mr. David Moreira (SCA Services, Inc.)
Mr. John Hyden (NYSDEC)

94-022 4/21/99 Ltr.

Letter - 2
Tables - B/3
A - B/24
B - B/12

May 24, 2004

Note To File
Site: Chem-Trol Facility - Registry #915015
Subject: SVE System

Re: SVE Air Emissions

On May 21, 2004 Brian Sadowski spoke with Al Zylinski from Air Resources. The subject and question was SVE air emissions and to confirm the permit exemption status that originally was put in place in 1999. In addition, Mr. Zylinski was asked to review and interpret recent air analytical results submitted. The conclusion was that the site is exempt from an air permit based on 6 NYCRR Part 201-3 Exemptions and Trial Activities. The Exempt Activity Clauses are 201-3.2 - 20, 28, 29 and 30 (attached). Also, the interpretation of the emission results concluded that the values are very low and not a concern.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR RESOURCES

6 NYCRR Part 201-3 Exemptions and Trivial Activities
Effective 11/11/96

201-3 Exemptions and Trivial Activities.

201-3.1 Applicability.

(a) *State Regulated Sources Exempt from Permit.* An owner and/or operator of any of the exempt or trivial activities listed in this Subpart is exempt from the registration and permitting provisions of Subparts 201-4 and 201-5 respectively, but not from other Parts of this Chapter, or from applicable registration and/or permitting requirements of local air pollution control agencies.

(b) *Exempt and Trivial Activities at Title V Sources.* Owners and/or operators of stationary sources subject to Subpart 201-6 may consider the activities listed under Section 201-3.2 to be exempt activities unless such activities are subject to an applicable requirement. Exempt activities must be listed in the Title V permit application but are exempt from the provisions of this Part. Trivial activities listed under Section 201-3.3 are exempt from the provisions of this Part and do not have to be listed in the Title V permit application. Exempt and trivial activities may be subject to other Parts of this Chapter. Trivial activities that are subject to an applicable requirement are not exempt from this Part.

(c) *Prohibition on Exempting Sources Subject to Title V and New Source Review.* Except as provided under such air program requirements, no source owner and/or operator may omit emissions from exempt or trivial activities from emission calculations to determine if a stationary source is subject to:

(1) Title V facility permitting; and/or

(2) New Source Review pursuant to Subpart 231-2 of this Chapter; and/or

(3) Prevention of Significant Deterioration as incorporated by reference in Part 200 of this Chapter.

(d) *Currently Permitted Emission Units.* Owners and/or operators of emission sources or units operating pursuant to valid certificates to operate that are eligible for exemption pursuant to this Subpart will be exempted as of the effective date of this Part.

(e) *Permits for Previously Exempted Emission Units.* The owner and/or operator of a source or unit that was exempt under a repealed version of this Part but that is no longer exempt must submit an application for a permit, or register within twelve months of the promulgation of this Part, or in accordance with specific deadlines which may be established in other regulations under this Title for previously exempted sources.

201-3.2 Exempt Activities.

(a) *Proof of Eligibility.* The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

(b) *Maintenance of control equipment.* The owner and/or operator of any emission source or unit that is eligible to be exempt on the basis of the use of appropriate emission control devices shall operate and maintain such devices in a manner consistent with good engineering practices. Failure to do so constitutes a violation of this Part.

(c) The category headings used in the following listing of exemptions are strictly for organizational purposes and are not intended to be definitive. The following activities are exempt from permitting requirements at non-Title V facilities, but must be included in Title V facility permit applications:

Combustion

(1) stationary or portable combustion installations where the furnace has a maximum rated heat input capacity less than 10 million BTU/hr burning fossil fuels, other than coal, and coal and wood fired stationary combustion units with a maximum heat input less than 1 million BTU/hr. This exemption includes unit space heaters, which burn waste oil as defined in 6 NYCRR 225-2 and generated on-site, alone or in conjunction with used oil generated by a do-it-yourself oil changer as defined in 6 NYCRR Subpart 374-2.

(2) stationary or portable combustion installations located outside of any severe ozone non-attainment areas, where the furnace has a maximum rated heat input capacity less than 20 million Btu/hr burning fossil fuels other than coal, where the construction of the combustion installation commenced before June 9, 1989.

Municipal/Public Health Related

(20) ventilating systems for landfill gases, where the systems are vented directly to the atmosphere, and the ventilating system has been required by, and is operating under, the conditions of a valid Part 360 permit, or Order on Consent;

Storage Vessels

(21) distillate and residual fuel oil storage tanks with storage capacities below 300,000 barrels;

(22) pressurized fixed roof tanks which are capable of maintaining a working pressure at all times to prevent emissions of volatile organic compound to the outdoor atmosphere;

(23) external floating roof tanks which are of welded construction and are equipped with a metallic-type shoe primary seal and a secondary seal from the top of the shoe seal to the tank wall;

(24) external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure less than 4.0 psi (27.6 kPa), are of welded construction and are equipped with one of the following:

(i) a metallic-type shoe seal;

(ii) a liquid-mounted foam seal;

(iii) a liquid-mounted liquid-filled type seal; or

(iv) equivalent control equipment or device;

(25) storage tanks, with capacities under 10,000 gallons, except those subject to either Part 229 or Part 233 of this Chapter;

(26) horizontal petroleum storage tanks;

(27) storage silos storing solid materials, provided all such silos are exhausted through an appropriate emission control device;

Industrial

(28) processing equipment at existing sand and gravel and stone crushing plants which were installed or constructed before August 31, 1983, where water is used other than for dust suppression, such as wet conveying, separating and washing;

(29) all processing equipment at sand and gravel mines or quarries that:

(I) are permanent or fixed installations with a maximum rated processing capacity of 25 tons of minerals per hour or less; or

(ii) are mobile (portable) installations with a maximum rated processing capacity of 150 tons of minerals per hour or less;

(30) mobile (portable) stone crushers with maximum rated capacities below 150 tons of minerals per hour which are located at non-metallic mineral processing operations;

(31) surface coating operations which are specifically exempted from regulation under Part 228 of this title, with respect to emissions of volatile organic compounds which are not given an A rating;

(32) pharmaceutical tablet branding operations;

(33) thermal packaging operations, including but not limited to, therimage labeling, blister packing, shrink wrapping, shrink banding, and carton gluing;

(34) powder coating operations;

(35) all tumblers used for the cleaning and/or deburring of metal products without abrasive blasting;

(36) presses used exclusively for molding or extruding plastics except where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents;

(37) concrete batch plants where the cement weigh hopper and all bulk storage silos are exhausted through fabric filters, and the batch drop point is controlled by a shroud or other emission control device;

(38) cement storage operations where materials are transported by screw or bucket conveyors;

(39) non-vapor phase cleaning equipment:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF AIR RESOURCES

6 NYCRR Part 201-3 Exemptions and Trivial Activities
Effective 11/11/96

201-3 Exemptions and Trivial Activities.

201-3.1 Applicability.

(a) *State Regulated Sources Exempt from Permit.* An owner and/or operator of any of the exempt or trivial activities listed in this Subpart is exempt from the registration and permitting provisions of Subparts 201-4 and 201-5 respectively, but not from other Parts of this Chapter, or from applicable registration and/or permitting requirements of local air pollution control agencies.

(b) *Exempt and Trivial Activities at Title V Sources.* Owners and/or operators of stationary sources subject to Subpart 201-6 may consider the activities listed under Section 201-3.2 to be exempt activities unless such activities are subject to an applicable requirement. Exempt activities must be listed in the Title V permit application but are exempt from the provisions of this Part. Trivial activities listed under Section 201-3.3 are exempt from the provisions of this Part and do not have to be listed in the Title V permit application. Exempt and trivial activities may be subject to other Parts of this Chapter. Trivial activities that are subject to an applicable requirement are not exempt from this Part.

(c) *Prohibition on Exempting Sources Subject to Title V and New Source Review.* Except as provided under such air program requirements, no source owner and/or operator may omit emissions from exempt or trivial activities from emission calculations to determine if a stationary source is subject to:

(1) Title V facility permitting; and/or

(2) New Source Review pursuant to Subpart 231-2 of this Chapter; and/or

(3) Prevention of Significant Deterioration as incorporated by reference in Part 200 of this Chapter.

(d) *Currently Permitted Emission Units.* Owners and/or operators of emission sources or units operating pursuant to valid certificates to operate that are eligible for exemption pursuant to this Subpart will be exempted as of the effective date of this Part.

(e) *Permits for Previously Exempted Emission Units.* The owner and/or operator of a source or unit that was exempt under a repealed version of this Part but that is no longer exempt must submit an application for a permit, or register within twelve months of the promulgation of this Part, or in accordance with specific deadlines which may be established in other regulations under this Title for previously exempted sources.

201-3.2 Exempt Activities.

(a) *Proof of Eligibility.* The owner and/or operator of an emission source or unit that is eligible to be exempt may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

(b) *Maintenance of control equipment.* The owner and/or operator of any emission source or unit that is eligible to be exempt on the basis of the use of appropriate emission control devices shall operate and maintain such devices in a manner consistent with good engineering practices. Failure to do so constitutes a violation of this Part.

(c) The category headings used in the following listing of exemptions are strictly for organizational purposes and are not intended to be definitive. The following activities are exempt from permitting requirements at non-Title V facilities, but must be included in Title V facility permit applications:

Combustion

(1) stationary or portable combustion installations where the furnace has a maximum rated heat input capacity less than 10 million BTU/hr burning fossil fuels, other than coal, and coal and wood fired stationary combustion units with a maximum heat input less than 1 million BTU/hr. This exemption includes unit space heaters, which burn waste oil as defined in 6 NYCRR 225-2 and generated on-site, alone or in conjunction with used oil generated by a do-it-yourself oil changer as defined in 6 NYCRR Subpart 374-2.

(2) stationary or portable combustion installations located outside of any severe ozone non-attainment areas, where the furnace has a maximum rated heat input capacity less than 20 million Btu/hr burning fossil fuels other than coal, where the construction of the combustion installation commenced before June 9, 1989.

(3) stationary or portable internal combustion engines which meet the following criteria:

(i) are diesel or natural gas powered, and located within any severe ozone nonattainment area, and have maximum mechanical power rating of less than 225 brake horsepower, or

(ii) are diesel or natural gas powered, and located outside of any severe ozone nonattainment areas, and have maximum mechanical power rating of less than 400 brake horsepower or;

(iii) are gasoline powered and have a maximum mechanical power rating of less than 50 brake horsepower;

(4) stationary or portable internal combustion engines which are temporarily located at a facility for a period not to exceed 30 days per calendar year, where the total combined maximum mechanical power rating for all affected units is less than 1000 brake horsepower;

(5) gas turbines with a heat input at peak load less than 10 million BTU per hour;

(6) emergency power generating units installed for use when the usual sources of heat, power, water and lighting are temporarily unobtainable, or which are installed to provide power to fire-fighting equipment, where each individual unit operates less than 500 hours per year, and excluding those units under contract with a utility to provide peak shaving generation to the grid;

Combustion-Related

(7) non-contact water cooling towers and water treatment systems for process cooling water and other water containers designed to cool, store or otherwise handle water that has not been in direct contact with gaseous or liquid process streams;

Agricultural

(8) feed and grain milling, cleaning, conveying, drying and storage operations including grain storage silos, where such silos exhaust to an appropriate emission control device, excluding grain terminal elevators with permanent storage capacities over 2.5 million U.S. bushels, and grain storage elevators with capacities above 1 million bushels;

(9) equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment;

Commercial - Food Service Industries

(10) flour silos at bakeries, provided all such silos are exhausted through an appropriate emission control device;

(11) emissions from flavorings added to a food product where such flavors are manually added to the product;

Commercial - Graphic Arts

(12) screen printing inks/coatings or adhesives which are applied by a hand-held squeegee. A hand-held squeegee is one that is not propelled through the use of mechanical conveyance and is not an integral part of the screen printing process;

(13) graphic arts processes at facilities located outside the New York City metropolitan area whose facility-wide total emissions of volatile organic compounds from inks, coatings, adhesives, fountain solutions and cleaning solutions does not exceed 20 pounds per day;

(14) graphic label and/or box labeling operations where the inks are applied by stamping or rolling;

(15) graphic arts processes which are specifically exempted from regulation under Part 234 of this Title, with respect to emissions of volatile organic compounds which are not given an A rating;

Commercial - Other

(16) gasoline dispensing sites with an annual throughput less than 120,000 gallons located outside any severe ozone non-attainment areas;

(17) surface coating and related operations which use less than 25 gallons per month of coating materials (paints) and cleaning solvents, combined, subject to the following:

(i) the facility is located outside of any severe ozone nonattainment area,

(ii) all abrasive cleaning and surface coating operations are performed in an enclosed building where such operations are exhausted into appropriate emission control devices,

(18) abrasive cleaning operations which exhaust to an appropriate emission control device;

(19) ultraviolet curing operations;

Municipal/Public Health Related

(20) ventilating systems for landfill gases, where the systems are vented directly to the atmosphere, and the ventilating system has been required by, and is operating under, the conditions of a valid Part 360 permit, or Order on Consent;

Storage Vessels

(21) distillate and residual fuel oil storage tanks with storage capacities below 300,000 barrels;

(22) pressurized fixed roof tanks which are capable of maintaining a working pressure at all times to prevent emissions of volatile organic compound to the outdoor atmosphere;

(23) external floating roof tanks which are of welded construction and are equipped with a metallic-type shoe primary seal and a secondary seal from the top of the shoe seal to the tank wall;

(24) external floating roof tanks which are used for the storage of a petroleum or volatile organic liquid with a true vapor pressure less than 4.0 psi (27.6 kPa), are of welded construction and are equipped with one of the following:

(i) a metallic-type shoe seal;

(ii) a liquid-mounted foam seal;

(iii) a liquid-mounted liquid-filled type seal; or

(iv) equivalent control equipment or device;

(25) storage tanks, with capacities under 10,000 gallons, except those subject to either Part 229 or Part 233 of this Chapter;

(26) horizontal petroleum storage tanks;

(27) storage silos storing solid materials, provided all such silos are exhausted through an appropriate emission control device;

Industrial

(28) processing equipment at existing sand and gravel and stone crushing plants which were installed or constructed before August 31, 1983, where water is used other than for dust suppression, such as wet conveying, separating and washing;

(29) all processing equipment at sand and gravel mines or quarries that:

(I) are permanent or fixed installations with a maximum rated processing capacity of 25 tons of minerals per hour or less; or

(ii) are mobile (portable) installations with a maximum rated processing capacity of 150 tons of minerals per hour or less;

(30) mobile (portable) stone crushers with maximum rated capacities below 150 tons of minerals per hour which are located at non-metallic mineral processing operations;

(31) surface coating operations which are specifically exempted from regulation under Part 228 of this title, with respect to emissions of volatile organic compounds which are not given an A rating;

(32) pharmaceutical tablet branding operations;

(33) thermal packaging operations, including but not limited to, therimage labeling, blister packing, shrink wrapping, shrink banding, and carton gluing;

(34) powder coating operations;

(35) all tumblers used for the cleaning and/or deburring of metal products without abrasive blasting;

(36) presses used exclusively for molding or extruding plastics except where halogenated carbon compounds or hydrocarbon solvents are used as foaming agents;

(37) concrete batch plants where the cement weigh hopper and all bulk storage silos are exhausted through fabric filters, and the batch drop point is controlled by a shroud or other emission control device;

(38) cement storage operations where materials are transported by screw or bucket conveyors;

(39) non-vapor phase cleaning equipment:

(I) with an open surface area of 11 square feet or less and an internal volume of 93 gallons or less or, having an organic solvent loss of 3 gallons per day or less, or

(ii) using only organic solvents with an initial boiling point of 300°F or greater at atmospheric pressure, or

(iii) using materials with a volatile organic compound content of 2 percent or less, by volume;

Miscellaneous

(40) ventilating and exhaust systems for laboratory operations;

(41) exhaust or ventilating systems for the melting of gold, silver, platinum and other precious metals;

(42) exhaust systems for paint mixing, transfer, filling or sampling and/or paint storage rooms or cabinets, provided the paints stored within these locations are stored in closed containers when not in use;

(43) exhaust systems for solvent transfer, filling or sampling, and/or solvent storage rooms provided the solvent stored within these locations are stored in closed containers when not in use;

(44) research and development activities, including both stand-alone and activities within a major stationary source, until such time as the Administrator completes a rulemaking to determine how the permitting program should be structured for these activities;

(45) the application of odor counteractants and/or neutralizers.

201-3.3 Trivial Activities.

(a) *Proof of Eligibility.* The owner and/or operator of an emission source or unit that is listed as being trivial in this Part may be required to certify that it operates within the specific criteria described in this Subpart. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

(b) *Maintenance of control equipment.* The owner and/or operator of any emission source or unit that is listed as being trivial in this Part, on the basis of the use of appropriate emission control devices, shall operate and maintain such devices in a manner consistent with good engineering practices. Failure to do so constitutes a violation of this Part.

(c) The category headings used in the following listing of trivial activities are strictly for organizational purposes and are not intended to be definitive. The following activities are trivial and are exempt from permitting requirements and do not need to be included in the Title V facility permit application:

Combustion

(1) boiler water treatment operations;

Domestic / Work Station Comfort and Related

(2) any emission source or process constructed or operated at a domestic residence for domestic use;

(3) vacuum cleaning systems used exclusively for office type areas at industrial facilities, or commercial or residential housekeeping;

(4) ventilating systems used exclusively for temperature and humidity control of buildings for the comfort of people living or working within the building except those systems which have applicable requirements under Title VI of the Act;

(5) exhaust systems for the storage of portable containers, drums, and bags of chemicals in rooms, buildings and warehouses, subject to the following:

(I) the rooms, buildings and warehouses subject to this exemption are solely for the purpose of chemical storage, and no mixing, transfer or filling operations with the exception of sampling for quality assurance/ quality control purposes, take place within such areas, and

(ii) the chemicals stored in such areas are maintained in sealed containers;

(6) smoking rooms and areas;

(7) bathroom/toilet vents;

(8) beauty salons and barber shops;

(9) laundry dryers, extractors, or tumblers used to clean fabrics with water solutions of bleach and detergents, where the emissions of such operations are controlled by appropriate emission control devices;

Mobile Sources and Mobile Source Related

(10) engine exhaust emissions and/or refueling emissions generated from mobile and portable powered vehicles and equipment used for the propulsion or operation of passengers and/or freight transportation vehicles, marine vehicles and equipment, construction and off-road vehicles and equipment, farm vehicles and equipment, competition and entertainment vehicles and equipment, and/or any other type of mobile or portable engine powered vehicles or equipment when these vehicles or equipment are operated anywhere outside of an enclosed facility for the purpose of their design and intended use or for compliance assessment with any safety or emission control or inspection programs sanctioned by New York State, the federal government or any governmental entity empowered to carry out such activities;

(11) engine exhaust emissions and/or refueling emissions generated from mobile and portable powered vehicles and equipment such as competition and entertainment vehicles and equipment, farm vehicles and equipment, construction and off-road vehicles and equipment, automobiles, motorcycles, trucks, busses, marine vehicles and equipment, small engine powered tools and equipment, or any other type of mobile or portable engine powered vehicles or equipment which are collected and/or vented in any manner through any opening in a facility when these vehicles and equipment are operated in the facility for the purposes of their design and intended use, public safety, comfort or entertainment, facility maintenance, vehicle or equipment repair, adjustment or testing, or compliance assessment with any safety or emission control or inspection programs sanctioned by New York State, the federal government, or any governmental entity empowered to carry out such activities;

(12) the use of products such as antifreeze and fuel additives for the purpose of maintaining motor vehicles;

(13) fugitive emissions related to movement of passenger vehicles, provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted;

Agricultural

(14) ventilating systems used in buildings to house animals;

Commercial - Food Service Industries

(15) emissions from process, exhaust or ventilating systems in bakeries and restaurants which derive over fifty percent of their revenues from retail sales on premises;

(16) non-conveyorized bakery ovens (this includes batch ovens, which are defined as a non-conveyor belt oven operating a single baking cycle in which a determinate amount of product is cooked at one baking);

(17) bakery ovens used exclusively to produce baked goods leavened chemically in the absence of yeast;

(18) process or exhaust or ventilating systems involved in the preparation of food, food blanching or cooking in water;

(19) process, exhaust or ventilating systems or stationary combustion installations exclusively involved in the production of maple syrup;

Commercial - Graphic Arts

(20) lead melting pots used in printing establishments;

(21) blueprint machines;

(22) photocopying, photographic processing or related equipment;

(23) letter press operations;

(24) heat sealing operations which are used to seal and separate polyethylene and polypropylene bags;

Commercial - Other

(25) batch process kilns used for firing ceramic ware, subject to the following:

(i) the exhaust stream does not contain emissions of fluorides, lead, and/or beryllium, and

(ii) the total heat input is less than 1 million BTU/hr

Municipal/Public Health Related

(26) equipment used exclusively to generate ozone for water treatment processes;

(27) air stripping processes utilized on public drinking water supplies;

(28) air strippers and soil vents used to remediate gasoline spills, where the air stripper or soil vent is located at a state funded site, or required under the provisions of an Order on Consent or stipulation agreement, and the operation of the air strippers or soil vents are conducted under the supervision of the Department and are properly controlled as required by the Department;

(29) air strippers and soil vents required under the provisions of an Order on Consent or stipulation agreement, or in operation at a superfund site;

(30) air strippers and soil vents operating for test purposes to qualify and quantify air emissions for remediation projects and for a time period acceptable to the regional air pollution control engineer;

(31) emissions from the storage and application of road salt (calcium chloride or sodium chloride);

(32) all process emission sources which are located at private, public, or vocational education institutions, where the emissions are the result of teaching and training exercises, and the institution is not engaged in the manufacture of products for commercial sale in commerce, except in a de minimis manner;

(33) emergency relief vents, stacks and ventilating systems except any with the potential to emit vinyl chloride located at a facility where ethylene dichloride, vinyl chloride and/or polyvinyl chloride are produced;

(34) snow plowing, street sweeping, sanding and ashing of streets and roads to abate traffic hazards;

(35) emergency road flares;

(36) road and lot paving and striping operations;

(37) public or private roadways, parking lots;

(38) manhole covers;

(39) sewers;

(40) storm drains and vents;

(41) solid waste dumpsters, including handling equipment and associated activities;

(42) excavation for the repair of underground utility lines such as water, electric, or natural gas;

(43) asbestos demolition and removal work subject to 40 CFR Part 61, Subpart M and/or 12 NYCRR Part 56;

Storage Vessels

(44) storage vessels, tanks and containers with a capacity of less than 750 gallons,

Maintenance and Construction Related Activities

(45) the following activities are considered trivial when they occur strictly for maintenance or construction activities: plastic pipe welding, soldering, brazing, cutting torches, janitorial activities, steam cleaning, water washing, acid and caustic washing activities, miscellaneous use of solvents, adhesives and caulking, miscellaneous sandblasting, non-asbestos insulation removal, application of refractory and insulation, the periodic use of air for clean-up, and, the process of demolition and rebricking boilers, smelters, furnaces and kilns (this does not include the subsequent operation of such equipment), the surface coating of equipment and buildings as is related to maintenance and construction, and activities which occur for maintenance of grounds such as lawn care, weed control and pest control;

(46) excavation for new construction;

Industrial

(47) degreasing units which exclusively use non-hazardous air pollutant acids;

(48) degreasing units which exclusively use caustics (e.g., potassium hydroxide and sodium hydroxide);

(49) remote reservoir parts cleaners whose use of solvent is contained to the immediate cleaning of the part, after which time the solvent is drained through a drain opening, not to exceed 16 square inches, and is returned to a remote reservoir containing the solvent;

(50) equipment used exclusively for surface preparation and cleaning which uses water-based cleaners containing two percent or less of volatile organic compounds by volume;

(51) solvent cleaning of parts and equipment performed exclusively by hand wiping or hand cleaning;

(52) hand-held or manually operated equipment used for buffing, polishing, carving, cutting, drilling, machining, routing, sanding, sawing, surface grinding or turning ceramic art work, ceramic precision parts, leather, metal parts, plastics, fiberboard, fiberglass, masonry, carbon, glass, graphite, wood or rubber;

(53) manual surface coating/painting processes which exclusively use brushes, rollers, or aerosol cans;

(54) hand-held or manually operated welding, brazing and soldering equipment;

(55) acetylene, butane, and propane torches;

(56) equipment used for hydraulic or hydrostatic testing;

(57) equipment lubricating systems, including metal cutting coolants and oils;

(58) pneumatic starters used to start reciprocating engines, turbines, and other equipment;

(59) instrument air systems, excluding fuel-fired compressors;

(60) air vents from air compressors and pneumatically operated equipment emitting ambient air;

(61) drum washing operations, where such operations are necessary to meet Resource Conservation and Recovery Act (RCRA) standards;

(62) vacuum producing devices where only ambient air and the oil emissions from the vacuum producing mechanism itself are exhausted;

(63) woodworking operations where no surface coating takes place, provided such operations exhaust to a sawdust collection system controlled by an appropriate emission control device;

(64) sawmills, provided all processes are located at least 500 feet from any recreational area, school, or private residence and all residues from debarking, planing, sawing, etc., are contained in such a manner as to minimize fugitive emissions;

(65) equipment used to mix and package soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provide d appropriate lids and covers are utilized;

(66) drop hammers or hydraulic presses for forging or metalworking;

(67) transportable chemical containers including rail cars, portable tanks, totes and trailers;

Miscellaneous

(68) open fires;

(69) fire training activities;

(70) fire suppression systems;

(71) fecal incinerators with a charging rate not exceeding 10 pounds per hour, such as those used on certain vehicles or other special cases;

(72) paint mixing operations located at retail paint, hardware or department stores where the paint is sold in five gallon or smaller containers;

(73) rifle and pistol ranges;

(74) aircraft de-icing operations;

(75) contaminant detectors, sampling devices and recorders;

(76) emissions from natural gas odoring activities;

(77) battery charging areas except those located at battery manufacturing plants;

(78) incubators;

(79) the venting of compressed natural gas, butane or propane gas cylinders;

(80) coal car thaw-pit burners;

(81) consumer use of office equipment and products, not including printers or businesses primarily involved in photographic reproductions;

(82) consumer use of paper trimmers/binders;

(83) blacksmith forges;

(84) carbon dioxide lasers, used only on metals and other materials which do not emit hazardous air pollutants in the process;

(85) laser trimmers using appropriate emission control devices;

(86) environmental chambers not using hazardous air pollutant gases;

(87) shock chambers;

(88) humidity chambers;

(89) solar simulators;

(90) process water filtration systems and demineralizers;

(91) demineralized water tanks and demineralizer vents;

(92) steam leaks;

(93) steam vents;

(94) emissions of the following pollutants:

- water vapor
- oxygen
- carbon dioxide
- nitrogen
- inert gases such as argon, helium, neon, krypton and xenon
- hydrogen
- simple asphyxiants including methane and propane
- trace constituents included in raw materials or byproducts, where the constituents are less than 1 percent by weight for any regulated air pollutant, or 0.1 percent by weight for any carcinogen listed by the United States Department of Health and Human Services' Seventh Annual Report on Carcinogens (1994).

TABLE 1

Chem-Trol Site

SVE System Air Sample Test Results

Date	Vinyl Chloride	1,1-Dichloro-ethene	Trichlorotri-fluoroethane	1,1-Dichloro-ethane	cis-1,2-Dichloro-ethene	1,1,1-Trichloro-ethane	Carbon Tetrachloride	Toluene	Xylene	Trichloro-ethene	Chloroform	Tetrachloro-ethene
3/16	0.202	0.29	0.719	0.184	0.601	0.1	0.558	0.378	0.885	29.8	13.4	6.16
3/16	0.0572	0.13	0.068	0.0417	0.0796	0.197	0.0338	0.0414	0.104	3.92	0.655	0.393
3/17	0.542	1.109	0.49	0.227	0.385	1.22	0.152	0.211	0.547	12	5.03	2.74
3/17	0.423	1.09	0.333	0.188	0.26	1.08	0.063	0.134	0.203	6.65	2.52	1.14
3/18	0.0963	0.618	0.282	0.0891	0.182	0.704	0.272	0.0984	0.302	0.1	4.22	2.06
3/18	0.306	1.04	0.255	0.182	0.252	1.08	0.0953	0.131	0.271	5.86	3.72	1.04
3/19	0.308	1.05	0.294	0.189	0.29	1.14	0.0893	0.16	0.289	8.05	4.64	1.28
3/19	0.315	1.1	0.324	0.192	0.312	1.2	0.0926	0.176	0.319	4.65	5.26	1.35
3/20	0.253	0.963	0.274	0.182	0.293	1.11	0.0754	0.187	0.276	5.16	5.45	1.19
3/20	0.202	1.09	0.321	0.204	0.352	1.29	0.0918	0.22	0.322	6.33	6.85	1.4

Note: 1. Concentrations in parts per million (ppm) on a volume basis.
2. Refer to Attachment A for the analytical testing reports.

TABLE 2

Chem-Trol Site

Summary of Organic Vapor Meter Readings

	OVM Reading		
Date/Time	Upstream of carbon	Down-stream of carbon	Comments
3/16/99 8:50 AM	60.0	0	
3/16/99 10:00 AM	10.0	0	
3/16/99 4:00 PM	3.0	0	
3/17/99 10:00 AM	41.0	0	
3/17/99 4:00 PM	12.0	0	
3/17/99 4:15 PM	13.0	0	
3/18/99 8:45 AM	21.0	0	
3/18/99 9:20 AM	23.0	0	
3/18/99 9:25 AM	30.0	0	
3/18/99 4:00 PM	24.0	0	
3/18/99 4:07 PM	23.0	0	
3/19/99 8:33 AM	21.0	0	
3/19/99 9:37 AM	25.0	0	
3/19/99 9:42 AM	24.8	0	
3/19/99 4:00 PM	26.3	0	
3/19/99 4:03 PM	25.7	0	
3/19/99 4:05 PM	25.5	0	
3/20/99 9:00 AM	25.2	0	
3/20/99 9:03 AM	23.8	0	
3/20/99 4:00 PM	26.6	0	
3/20/99 4:03 PM	26.0	0	
3/22/99 7:00 AM	32.0	0.6	
3/22/99 4:00 PM	30.0	1.5	
3/23/99 7:00 AM	31.0	1.5	
3/23/99 4:00 PM	28.6	1.3	
3/24/99 7:00 AM	32.0	0.5	
3/24/99 10:00 AM	52.3	0.5	
3/24/99 10:15 AM	39.0	0	
3/24/99 4:00 PM	35.0	0	
3/31/99 9:30 AM	39.3	7.4	
3/31/99 10:00 AM	46.5	2.2	Adjusted makeup valve and agitated carbon
3/31/99 3:00 PM	33.4	9.5	Turned system off

TABLE 3

Chem-Trol

Summary of Air Impact Calculations

	Criteria ($\mu g/m^3$)		Actual Annual Impact ($\mu g/m^3$)
	SGC	AGC	
Chloroform	980	23	0.10
Tetrachloroethene	81000	0.075	0.029
Vinyl Chloride	1300	0.02	0.0016
1,1-Dichloroethene	2000	0.02	0.013
Trichlorotrifloroethane	1800000	90000	0.0074
1,1-Dichloroethane	190000	500	0.0025
cis1,2-Dichloroethene	190000	1900	0.0042
1,1,1-Trichloroethane	450000	1000	0.021
Carbon Tetrachloride	1300	0.07	0.0017
Toluene	89000	2000	0.0025
Xylene	100000	300	0.0042
Trichlororthene	33000	0.45	0.10

Based on air sample test results for a sample obtained at 4:00 p.m., March 20, 1999 and an air flow rate of 90 scfm.

ATTACHMENT A

Analytical Test Results

- Samples Collected Downstream of Carbon Treatment
- Samples Collected Upstream of Carbon Treatment

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29515.01
Sample Location: Carbon Effluent 3/699
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: (990325401r),,CL,500mlBLK,2mlIS/SS

Client SDG: 990325401r
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: CL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	5.00	U
74-87-3	Chloromethane	5.00	U
76-14-2	Dichlorotetrafluoroethane	5.00	U
75-01-4	Vinyl Chloride	5.00	U
74-83-9	Bromomethane	5.00	U
75-00-3	Chloroethane	5.00	U
75-69-4	Trichlorofluoromethane	5.00	U
75-35-4	1,1-Dichloroethene	5.00	U
76-13-1	Trichlorotrifluoroethane	5.00	U
75-09-2	Methylene Chloride	5.00	U
156-60-5	trans-1,2-Dichloroethene	5.00	U
75-34-3	1,1-Dichloroethane	5.00	U
156-59-2	cis-1,2-Dichloroethene	5.00	U
67-66-3	Chloroform	5.00	U
71-55-6	1,1,1-Trichloroethane	5.00	U
56-23-5	Carbon Tetrachloride	5.00	U
71-43-2	Benzene	5.00	U
107-06-2	1,2-Dichloroethane	5.00	U
79-01-6	Trichloroethene	5.00	U
78-87-5	1,2-Dichloropropane	5.00	U
10061-01-5	cis-1,3-Dichloropropene	5.00	U
108-88-3	Toluene	5.00	U
10061-02-6	trans-1,3-Dichloropropene	5.00	U
79-00-5	1,1,2-Trichloroethane	5.00	U
127-18-4	Tetrachloroethene	5.00	U
106-93-4	1,2-Dibromoethane	5.00	U
108-90-7	Chlorobenzene	5.00	U
100-41-4	Ethylbenzene	5.00	U
108-38-3	Xylene (m + p)	5.00	U
95-47-6	Xylene (o)	5.00	U
1330-20-7	Xylene (Total)	5.00	U
100-42-5	Styrene	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U
95-63-6	1,2,4-Trimethylbenzene	5.00	U
108-67-8	1,3,5-Trimethylbenzene	5.00	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29515.01
Sample Location: Carbon Effluent #1 3/699
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: [990325401r],,CL,500mlBLK,2mlIS/SS

Client SDG: 990325401r
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: CL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
100-44-7	Benzyl chloride	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
120-82-1	1,2,4-Trichlorobenzene	5.00	U
87-68-3	Hexachlorobutadiene	5.00	U
17060-07-0	1,2-Dichloroethane-d4	47.2	
2037-26-5	Toluene-d8	49.6	
460-00-4	Bromofluorobenzene	48.3	

Data File: /var/chem/jake.i/990325401r.b/j0613.d
Report Date: 29-Mar-1999 17:14

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29516.01
Sample Location: Carbon Effluent #2 3699
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: [990325401r],,CL,500ml5AMP,2mlIS/SS

Client SDG: 990325401r

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: CL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	5.00	U
74-87-3	Chloromethane	5.00	U
76-14-2	Dichlorotetrafluoroethane	5.00	U
75-01-4	Vinyl Chloride	5.00	U
74-83-9	Bromomethane	5.00	U
75-00-3	Chloroethane	5.00	U
75-69-4	Trichlorofluoromethane	5.00	U
75-35-4	1,1-Dichloroethene	5.00	U
76-13-1	Trichlorotrifluoroethane	5.00	U
75-09-2	Methylene Chloride	5.00	U
156-60-5	trans-1,2-Dichloroethene	5.00	U
75-34-3	1,1-Dichloroethane	5.00	U
156-59-2	cis-1,2-Dichloroethene	5.00	U
67-66-3	Chloroform	5.00	U
71-55-6	1,1,1-Trichloroethane	5.00	U
56-23-5	Carbon Tetrachloride	5.00	U
71-43-2	Benzene	5.00	U
107-06-2	1,2-Dichloroethane	5.00	U
79-01-6	Trichloroethene	5.00	U
78-87-5	1,2-Dichloropropane	5.00	U
10061-01-5	cis-1,3-Dichloropropene	5.00	U
108-88-3	Toluene	5.00	U
10061-02-6	trans-1,3-Dichloropropene	5.00	U
79-00-5	1,1,2-Trichloroethane	5.00	U
127-18-4	Tetrachloroethene	5.00	U
106-93-4	1,2-Dibromoethane	5.00	U
108-90-7	Chlorobenzene	5.00	U
100-41-4	Ethylbenzene	5.00	U
108-38-3	Xylene (m + p)	5.00	U
95-47-6	Xylene (o)	5.00	U
1330-20-7	Xylene (Total)	5.00	U
100-42-5	Styrene	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U
95-63-6	1,2,4-Trimethylbenzene	5.00	U
108-67-8	1,3,5-Trimethylbenzene	5.00	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29516.01
Sample Location: Carbon Effluent #2 31699
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: [990325401r],,CL,500mlSAMP,2mlIS/SS

Client SDG: 990325401r
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: CL

CAS NO.	COMPOUND	CONCENTRATION UNITS; (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	5.00	U
106-46-7	1,4-Dichlorobenzene	5.00	U
100-44-7	Benzyl chloride	5.00	U
95-50-1	1,2-Dichlorobenzene	5.00	U
120-82-1	1,2,4-Trichlorobenzene	5.00	U
87-68-3	Hexachlorobutadiene	5.00	U
17060-07-0	1,2-Dichloroethane-d4	49.8	
2037-26-5	Toluene-d8	51.8	
460-00-4	Bromofluorobenzene	49.0	

Data File: /var/chem/jake.i/990326401r.b/j0634.d
Report Date: 29-Mar-1999 17:00

Ecology and Environment Inc.

TARGET COMPOUNDS

Client SDG: 990326401r

Client Name:
Lab Smp Id: 9900.894 29525.01
Sample Location: Carbon Inlet Sample #1 3/24/16 @9am
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: (990326401r),APTO14,SD,25ml,2mlIS/SS

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: SD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	202	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	296	
76-13-1	Trichlorotrifluoroethane	719	
75-09-2	Methylene Chloride	177	
156-60-5	trans-1,2-Dichloroethene	29.2	J
75-34-3	1,1-Dichloroethane	184	
156-59-2	cis-1,2-Dichloroethene	601	
67-66-3	Chloroform	13400	E
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	558	
71-43-2	Benzene	162	
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	29800	E
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	376	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	6160	E
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	146	
108-38-3	Xylene (m + p)	579	
95-47-6	Xylene (o)	306	
1330-20-7	Xylene (Total)	885	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	27.4	J
108-67-8	1,3,5-Trimethylbenzene	41.7	J

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Client SDG: 990326401r
Lab Smp Id: 9900.894 29525.01
Sample Location: Carbon Inlet Sample #1 3/16 Sample Point:
Sample Date: Date Received:
Sample Matrix: AIR
Quant Type: ISTD
Analysis Type: VOA
Level: LOW
Data Type: MS DATA
Operator: SD
Misc Info: [990326401r),APTO14,SD,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	49.8	
2037-26-5	Toluene-d8	0.00	U
460-00-4	Bromofluorobenzene	49.4	

Data File: /var/chem/jake.i/990326401r.b/j0635.d
Report Date: 29-Mar-1999 17:00

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29526.01
Sample Location: Carbon Inlet Sample #2
Sample Date: 3/25 @ 4PM
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: [990326401r],APTO14,SD,25ml,2mlIS/SS

Client SDG: 990326401r
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: SD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	57.2	J
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	130	
76-13-1	Trichlorotrifluoroethane	88.0	J
75-09-2	Methylene Chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	41.7	J
156-59-2	cis-1,2-Dichloroethene	79.6	J
67-66-3	Chloroform	655	
71-55-6	1,1,1-Trichloroethane	197	
56-23-5	Carbon Tetrachloride	33.9	J
71-43-2	Benzene	21.8	J
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	3920	E
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	41.4	J
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	393	
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
108-38-3	Xylene (m + p)	68.7	J
95-47-6	Xylene (o)	35.7	J
1330-20-7	Xylene (Total)	104	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	100	U
108-67-8	1,3,5-Trimethylbenzene	100	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29526.01
Sample Location: Carbon Inlet Sample #2
Sample Date: 3/26 @ 4PM
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: (990326401r),APTO14,SD,25ml,2mlIS/SS

Client SDG: 990326401r
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: SD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	47.3	
2037-26-5	Toluene-d8	47.4	
460-00-4	Bromofluorobenzene	48.3	

Data File: /var/chem/jake.i/990326401r.b/j0626.d
Report Date: 29-Mar-1999 17:00

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Client SDG: 990326401r
Lab Smp Id: 9900.894 29517.01
Sample Location: Carbon Influent 3/29/10Am
Sample Point:
Sample Date:
Date Received:
Sample Matrix: AIR
Quant Type: ISTD
Analysis Type: VOA
Level: LOW
Data Type: MS DATA
Operator: DWW
Misc Info: [990326401r].APT014,DWW,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	542	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	73.6	J
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	1100	E
76-13-1	Trichlorotrifluoroethane	490	
75-09-2	Methylene Chloride	50.4	J
156-60-5	trans-1,2-Dichloroethene	28.6	J
75-34-3	1,1-Dichloroethane	227	
156-59-2	cis-1,2-Dichloroethene	385	
67-66-3	Chloroform	5030	E
71-55-6	1,1,1-Trichloroethane	1220	E
56-23-5	Carbon Tetrachloride	152	
71-43-2	Benzene	78.3	J
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	12000	E
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	211	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	2740	E
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	67.9	J
108-38-3	Xylene (m + p)	362	
95-47-6	Xylene (o)	185	
1330-20-7	Xylene (Total)	547	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	24.4	J
108-67-8	1,3,5-Trimethylbenzene	30.7	J

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 990326401r
Lab Smp Id: 9900.894 29517.01
Sample Location: Carbon Influent 31799 10Am Sample Point:
Sample Date: Date Received:
Sample Matrix: AIR Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: DWW
Misc Info: [990326401r],APTO14,DWW,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	48.6	
2037-26-5	Toluene-d8	49.8	
460-00-4	Bromofluorobenzene	49.9	

Data File: /var/chem/jake.i/990326401r.b/j0627.d
Report Date: 29-Mar-1999 17:00

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Client SDG: 990326401r
Lab Smp Id: 9900.894 29518.01
Sample Location: Carbon Influent 3/17 @ 3:30pm
Sample Point:
Sample Date:
Date Received:
Sample Matrix: AIR
Quant Type: ISTD
Analysis Type: VOA
Level: LOW
Data Type: MS DATA
Operator: DWW
Misc Info: [990326401r],APTO14,DWW,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	423	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	60.4	J
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	1090	E
76-13-1	Trichlorotrifluoroethane	333	
75-09-2	Methylene Chloride	23.3	J
156-60-5	trans-1,2-Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	186	
156-59-2	cis-1,2-Dichloroethene	260	
67-66-3	Chloroform	2520	E
71-55-6	1,1,1-Trichloroethane	1080	E
56-23-5	Carbon Tetrachloride	63.0	J
71-43-2	Benzene	43.5	J
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	6550	E
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	134	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	1140	E
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	41.0	J
108-38-3	Xylene (m + p)	201	
95-47-6	Xylene (o)	102	
1330-20-7	Xylene (Total)	303	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	27.0	J
108-67-8	1,3,5-Trimethylbenzene	100	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 990326401r
Lab Smp Id: 9900.894 29518.01
Sample Location: Carbon Influent 3/17@ 3:50PM Sample Point:
Sample Date: Date Received:
Sample Matrix: AIR Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: DWW
Misc Info: [990326401r],APTO14,DWW,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	48.3	
2037-26-5	Toluene-d8	49.4	
460-00-4	Bromofluorobenzene	49.2	

Data File: /var/chem/jake.i/990326401r.b/j0628.d
Report Date: 29-Mar-1999 17:00

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29519.01
Sample Location: Influent 31599@9Am
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: [990326401r],APT014,DWW,25ml,2mlIS/SS

Client SDG: 990326401r

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: DWW

CAS NO	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	98.3	J
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	618	
76-13-1	Trichlorotrifluoroethane	282	
75-09-2	Methylene Chloride	75.8	J
156-60-5	trans-1,2-Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	99.1	J
156-59-2	cis-1,2-Dichloroethene	182	
67-66-3	Chloroform	6220	E
71-55-6	1,1,1-Trichloroethane	704	
56-23-5	Carbon Tetrachloride	272	
71-43-2	Benzene	42.6	J
107-06-2	1,2-Dichloroethane	91.2	J
79-01-6	Trichloroethene	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	96.4	J
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	2080	E
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	40.2	J
108-38-3	Xylene (m + p)	186	
95-47-6	Xylene (o)	116	
1330-20-7	Xylene (Total)	302	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	100	U
108-67-8	1,3,5-Trimethylbenzene	100	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29519.01
Sample Location: Influent 3/29/99@9AM
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: (990326401r),APTO14,DWW,25ml,2mlIS/SS

Client SDG: 990326401r

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: DWW

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	47.4	
2037-26-5	Toluene-d8	49.8	
460-00-4	Bromofluorobenzene	48.6	

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Client SDG: 990326401r
Lab Smp Id: 9900.894 29520.01
Sample Location: Influent 3564@ 4pm
Sample Point:
Sample Date:
Date Received:
Sample Matrix: AIR
Quant Type: ISTD
Analysis Type: VOA
Level: LOW
Data Type: MS DATA
Operator: DWW
Misc Info: [990326401r],APTO14,DWW,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	306	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	58.7	J
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	1040	E
76-13-1	Trichlorotrifluoroethane	255	
75-09-2	Methylene Chloride	58.1	J
156-60-5	trans-1,2-Dichloroethene	25.6	J
75-34-3	1,1-Dichloroethane	182	
156-59-2	cis-1,2-Dichloroethene	252	
67-66-3	Chloroform	3720	E
71-55-6	1,1,1-Trichloroethane	1080	E
56-23-5	Carbon Tetrachloride	95.7	J
71-43-2	Benzene	40.7	J
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	5860	E
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	131	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	1040	E
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	34.8	J
108-38-3	Xylene (m + p)	175	
95-47-6	Xylene (o)	96.2	J
1330-20-7	Xylene (Total)	271	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	24.5	J
108-67-8	1,3,5-Trimethylbenzene	100	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29520.01
Sample Location: Influent 3/8/99 @ 4 pm
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: [990326401r],APTO14,DWW,25ml,2mlIS/SS

Client SDG: 990326401r
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: DWW

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	46.9	
2037-26-5	Toluene-d8	47.0	
460-00-4	Bromofluorobenzene	49.6	

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Client SDG: 990326401r
Lab Smp Id: 9900.894 29521.01
Sample Location: Influent 3/99 @ 9Am
Sample Point:
Sample Date:
Date Received:
Sample Matrix: AIR
Quant Type: ISTD
Analysis Type: VOA
Level: LOW
Data Type: MS DATA
Operator: DWW
Misc Info: (990326401r),APTO14,DWW,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	308	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	61.5	J
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	1050	E
76-13-1	Trichlorotrifluoroethane	294	
75-09-2	Methylene Chloride	53.5	J
156-60-5	trans-1,2-Dichloroethene	34.3	J
75-34-3	1,1-Dichloroethane	189	
156-59-2	cis-1,2-Dichloroethene	290	
67-66-3	Chloroform	4640	E
71-55-6	1,1,1-Trichloroethane	1140	E
56-23-5	Carbon Tetrachloride	89.3	J
71-43-2	Benzene	41.3	J
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	6050	E
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	160	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	1280	E
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	36.5	J
108-38-3	Xylene (m + p)	193	
95-47-6	Xylene (o)	106	
1330-20-7	Xylene (Total)	299	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	24.8	J
108-67-8	1,3,5-Trimethylbenzene	100	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29521.01
Sample Location: Influent 3/29@9am
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: [990326401r],APTO14,DWW,25ml,2mlIS/SS

Client SDG: 990326401r
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: DWW

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	48.3	
2037-26-5	Toluene-d8	49.1	
460-00-4	Bromofluorobenzene	50.2	

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Client SDG: 990326401r
Lab Smp Id: 9900.894 29522.01
Sample Location: Influent 3/29/99@4pm
Sample Point:
Sample Date:
Date Received:
Sample Matrix: AIR
Quant Type: ISTD
Analysis Type: VOA
Level: LOW
Data Type: MS DATA
Operator: SD
Misc Info: (990326401r),APTO14,SD,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	315	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	65.4	J
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	1100	E
76-13-1	Trichlorotrifluoroethane	324	
75-09-2	Methylene Chloride	56.0	J
156-60-5	trans-1,2-Dichloroethene	35.1	J
75-34-3	1,1-Dichloroethane	192	
156-59-2	cis-1,2-Dichloroethene	312	
67-66-3	Chloroform	5280	E
71-55-6	1,1,1-Trichloroethane	1200	E
56-23-5	Carbon Tetrachloride	92.8	J
71-43-2	Benzene	41.4	J
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	6510	E
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	176	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	1350	E
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	38.1	J
108-38-3	Xylene (m + p)	206	
95-47-6	Xylene (o)	114	
1330-20-7	Xylene (Total)	319	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	26.7	J
108-67-8	1,3,5-Trimethylbenzene	100	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29522.01
Sample Location: Influent 3/29/99 @ 4pm
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: (990326401r),APTO14,SD,25ml,2mlIS/SS

Client SDG: 990326401r

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: SD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	48.6	
2037-26-5	Toluene-d8	47.2	
460-00-4	Bromofluorobenzene	49.3	

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 990326401r
Lab Smp Id: 9900.894 29524.01
Sample Location: Carbon Influent 32099 @ 9Am Sample Point:
Sample Date: Date Received:
Sample Matrix: AIR Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: SD
Misc Info: [990326401r],APTO14,SD,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	253	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	66.0	J
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	963	
76-13-1	Trichlorotrifluoroethane	274	
75-09-2	Methylene Chloride	47.5	J
156-60-5	trans-1,2-Dichloroethene	31.8	J
75-34-3	1,1-Dichloroethane	180	
156-59-2	cis-1,2-Dichloroethene	293	
67-66-3	Chloroform	5450	E
71-55-6	1,1,1-Trichloroethane	1110	E
56-23-5	Carbon Tetrachloride	75.4	J
71-43-2	Benzene	36.9	J
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	5160	E
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	187	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	1190	E
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	33.9	J
108-38-3	Xylene (m + p)	178	
95-47-6	Xylene (o)	98.9	J
1330-20-7	Xylene (Total)	276	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	23.6	J
108-67-8	1,3,5-Trimethylbenzene	100	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Client SDG: 990326401r
Lab Smp Id: 9900.894 29524.01
Sample Location: Carbon Influent 32099 @ 9Am
Sample Point:
Sample Date:
Date Received:
Sample Matrix: AIR
Quant Type: ISTD
Analysis Type: VOA
Level: LOW
Data Type: MS DATA
Operator: SD
Misc Info: [990326401r],APTO14,SD,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1.4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	48.2	
2037-26-5	Toluene-d8	48.5	
460-00-4	Bromofluorobenzene	48.7	

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 990326401r
Lab Smp Id: 9900.894 29523.01
Sample Location: Influent 3/26/99 4 PM Sample Point:
Sample Date: Date Received:
Sample Matrix: AIR Quant Type: ISTD
Analysis Type: VOA Level: LOW
Data Type: MS DATA Operator: SD
Misc Info: (990326401r),APTO14,SD,25ml,2mlIS/SS

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
76-14-2	Dichlorotetrafluoroethane	100	U
75-01-4	Vinyl Chloride	282	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	70.8	J
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	1090	E
76-13-1	Trichlorotrifluoroethane	321	
75-09-2	Methylene Chloride	59.7	J
156-60-5	trans-1,2-Dichloroethene	37.5	J
75-34-3	1,1-Dichloroethane	204	
156-59-2	cis-1,2-Dichloroethene	352	
67-66-3	Chloroform	6850	E
71-55-6	1,1,1-Trichloroethane	1290	E
56-23-5	Carbon Tetrachloride	91.8	J
71-43-2	Benzene	42.1	J
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	6330	E
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	220	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	1400	E
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	39.7	J
108-38-3	Xylene (m + p)	207	
95-47-6	Xylene (o)	115	
1330-20-7	Xylene (Total)	322	
100-42-5	Styrene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
95-63-6	1,2,4-Trimethylbenzene	26.8	J
108-67-8	1,3,5-Trimethylbenzene	100	U

Ecology and Environment Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 9900.894 29523.01
Sample Location: Influent 3209@4pm
Sample Date:
Sample Matrix: AIR
Analysis Type: VOA
Data Type: MS DATA
Misc Info: (990326401r),APTO14,SD,25ml,2mlIS/SS

Client SDG: 990326401r
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: SD

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppbv	Q
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
100-44-7	Benzyl chloride	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
87-68-3	Hexachlorobutadiene	100	U
17060-07-0	1,2-Dichloroethane-d4	47.9	
2037-26-5	Toluene-d8	47.4	
460-00-4	Bromofluorobenzene	48.4	

ATTACHMENT B

Actual Annual Impact Calculation

McMahon & Mann
Consulting Engineers, P.C.

BASIC DATA		CRITERIA		
Contaminant:	Chloroform	SGC:	980	micrograms/cubic meter
Molecular Weight:	119.4 grams/mole	AGC:	23	micrograms/cubic meter
Concentration:	6.85 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

6.85 ppm x 1.00E-06 x 119.4 grams / 22.4 liters = 3.65E-05 gm/liter

3.65E-05 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

3.65E+04 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 3.65E+04 micrograms / cubic meter x 1.34E+06 cubic meters / year =

4.89E+10 micrograms / year = 108.1 lbs / year = 0.0123 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 108.1}{18^{**}2.16} = 0.101 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	Tetrachloroethene	SGC:	81000	micrograms/cubic meter
Molecular Weight:	167.9 grams/mole	AGC:	0.075	micrograms/cubic meter
Concentration:	1.4 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

1.4 ppm x 1.00E-06 x 167.9 grams / 22.4 liters = 1.05E-05 gm/liter

1.05E-05 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

1.05E+04 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 1.05E+04 micrograms / cubic meter x 1.34E+06 cubic meters / year =

1.41E+10 micrograms / year = 31.1 lbs / year = 0.0035 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 31.1}{18^{**}2.16} = 0.02910 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	Vinyl Chloride	SGC:	1300	micrograms/cubic meter
Molecular Weight:	62.5 grams/mole	AGC:	0.02	micrograms/cubic meter
Concentration:	0.202 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

0.202 ppm x 1.00E-06 x 62.5 grams / 22.4 liters = 5.64E-07 gm/liter

5.64E-07 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

5.64E+02 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 5.64E+02 micrograms / cubic meter x 1.34E+06 cubic meters / year =

7.55E+08 micrograms / year = 1.7 lbs / year = 0.0002 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 1.7}{18^{**}2.16} = 0.0016 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	1,1-Dichloroethene	SGC:	2000	micrograms/cubic meter
Molecular Weight:	96.95 grams/mole	AGC:	0.02	micrograms/cubic meter
Concentration:	1.09 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

1.09 ppm x 1.00E-06 x 96.95 grams / 22.4 liters = 4.72E-06 gm/liter

4.72E-06 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

4.72E+03 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 4.72E+03 micrograms / cubic meter x 1.34E+06 cubic meters / year =

6.32E+09 micrograms / year = 14.0 lbs / year = 0.0016 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 14.0}{18^{**}2.16} = 0.013 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA	
Contaminant:	Trichlorotrifloroethane	SGC:	2E+07 micrograms/cubic meter
Molecular Weight:	187.4 grams/mole	AGC:	90000 micrograms/cubic meter
Concentration:	0.321 ppm (by volume)		
Blower Flowrate:	90 scfm		
Stack height =	18 feet		

Contaminant concentration: (micrograms/cubic meter)

0.321 ppm x 1.00E-06 x 187.4 grams / 22.4 liters = 2.69E-06 gm/liter

2.69E-06 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

2.69E+03 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 2.69E+03 micrograms / cubic meter x 1.34E+06 cubic meters / year =

3.60E+09 micrograms / year = 7.9 lbs / year = 0.0009 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 7.9}{18^{**}2.16} = 0.007 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	1,1-Dichlorethane	SGC:	190000	micrograms/cubic meter
Molecular Weight:	99 grams/mole	AGC:	500	micrograms/cubic meter
Concentration:	0.204 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

0.204 ppm x 1.00E-06 x 99 grams / 22.4 liters = 9.02E-07 gm/liter

9.02E-07 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

9.02E+02 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 9.02E+02 micrograms / cubic meter x 1.34E+06 cubic meters / year =

1.21E+09 micrograms / year = 2.7 lbs / year = 0.0003 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 2.7}{18^{**}2.16} = 0.002 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	cis-1,2-Dichloroethene	SGC:	190,000	micrograms/cubic meter
Molecular Weight:	97.0 grams/mole	AGC:	1900	micrograms/cubic meter
Concentration:	0.352 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: 0.352 (micrograms/cubic meter)

0.352 ppm x 1.00E-06 x 97 grams / 22.4 liters = 1.52E-06 gm/liter

1.52E-06 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

1.52E+03 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 1.52E+03 micrograms / cubic meter x 1.34E+06 cubic meters / year =

2.04E+09 micrograms / year = 4.5 lbs / year = 0.0005 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 4.5}{18^{**}2.16} = 0.004 \text{ micrograms/cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	1,1,1-Trichloroethane	SGC:	450000	micrograms/cubic meter
Molecular Weight:	133.4 grams/mole	AGC:	1000	micrograms/cubic meter
Concentration:	1.29 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

1.29 ppm x 1.00E-06 x 133.4 grams / 22.4 liters = 7.68E-06 gm/liter

7.68E-06 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

7.68E+03 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 7.68E+03 micrograms / cubic meter x 1.34E+06 cubic meters / year =

1.03E+10 micrograms / year = 22.7 lbs / year = 0.0026 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 22.7}{18^{**}2.16} = 0.021 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	Carbon Tetrachloride	SGC:	1300	micrograms/cubic meter
Molecular Weight:	153.8 grams/mole	AGC:	0.07	micrograms/cubic meter
Concentration:	0.0918 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

0.0918 ppm x 1.00E-06 x 153.8 grams / 22.4 liters = 6.30E-07 gm/liter

6.30E-07 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

6.30E+02 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 6.30E+02 micrograms / cubic meter x 1.34E+06 cubic meters / year =

8.45E+08 micrograms / year = 1.9 lbs / year = 0.0002 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 1.9}{18^{**}2.16} = 0.002 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	Toluene	SGC:	89000	micrograms/cubic meter
Molecular Weight:	92.1 grams/mole	AGC:	2000	micrograms/cubic meter
Concentration:	0.22 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

0.22 ppm x 1.00E-06 x 92.1 grams / 22.4 liters = 9.05E-07 gm/liter

9.05E-07 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

9.05E+02 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 9.05E+02 micrograms / cubic meter x 1.34E+06 cubic meters / year =

1.21E+09 micrograms / year = 2.7 lbs / year = 0.0003 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 2.7}{18^{**}2.16} = 0.003 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	Xylene	SGC:	100000	micrograms/cubic meter
Molecular Weight:	106.2 grams/mole	AGC:	300	micrograms/cubic meter
Concentration:	0.322 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

0.322 ppm x 1.00E-06 x 106.2 grams / 22.4 liters = 1.53E-06 gm/liter

1.53E-06 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

1.53E+03 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 1.53E+03 micrograms / cubic meter x 1.34E+06 cubic meters / year =

2.05E+09 micrograms / year = 4.5 lbs / year = 0.0005 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 4.5}{18^{**}2.16} = 0.004 \text{ micrograms / cubic meter}$$

BASIC DATA		CRITERIA		
Contaminant:	Trichloroethene	SGC:	33000	micrograms/cubic meter
Molecular Weight:	131.4 grams/mole	AGC:	0.45	micrograms/cubic meter
Concentration:	6.33 ppm (by volume)			
Blower Flowrate:	90 scfm			
Stack height =	18 feet			

Contaminant concentration: (micrograms/cubic meter)

6.33 ppm x 1.00E-06 x 131.4 grams / 22.4 liters = 3.71E-05 gm/liter

3.71E-05 gm/liter x 1.00E+06 micrograms/gm x 1.00E+03 liters/cubic meter =

3.71E+04 micrograms / cubic meter

Blower Flowrate:

Vfan = 90 scf/min / 35.29 scf/cubic meter x 60 min/hr x 8760 hr/yr =

1.34E+06 cubic meters / year

Contaminant Loading:

Qan = 3.71E+04 micrograms / cubic meter x 1.34E+06 cubic meters / year =

4.98E+10 micrograms / year = 109.9 lbs / year = 0.0125 lbs / hr

Actual annual Impact: h = Stack height = 18 feet

$$Cann = \frac{0.482 \times Qann}{h^{**}2.16} = \frac{0.482 \times 109.9}{18^{**}2.16} = 0.103 \text{ micrograms / cubic meter}$$

Chem-Trol
Summary of Air Discharge Field Measurements

Date	Time	PI1	PI2	FI-1/PI-3	T-1	PI-4	T-2	PID	LAB VOC	TANK 1	TANK 2	REMARKS
3/16/99	8:50							60	49.4	Empty	Empty	
3/16/99	10:00							10				
3/16/99	4:00							3	5.72			
3/17/99	10:00							41	24.7	Empty	Empty	
3/17/99	4:00							12				
3/17/99	4:15							13	14.1			
3/18/99	8:45							21		Empty	Empty	
3/18/99	9:20							23				
3/18/99	9:25							30	9.0			
3/18/99	4:00							24				
3/18/99	4:07							23	14.2			
3/19/99	8:33							21		Empty	Empty	
3/19/99	9:37							25				
3/19/99	9:42							24.8	17.8			
3/19/99	4:00							26.3				
3/19/99	4:03							25.7				
3/19/99	4:05							25.5	15.3			
3/20/99	9:00							25.2		Empty	Empty	
3/20/99	9:03							23.8	15.4			
3/20/99	4:00							26.6				
3/20/99	4:02							26	20.7			
4/30/99	4:00			0.129				10				
5/3/99	9:30							10		Empty	Empty	
5/4/99	9:00							10		Empty	Empty	
	10:00							23.5				Notch 4
	12:00							48				Closed Laterals 4,5,5,7
	12:30							47				Closed Laterals 0,1,2,3
	3:15							18				All Laterals Open
5/5/99	7:30							8.2		Empty	Empty	
	8:00							8.6				
	8:45							8.5				
	9:10							8.6				
	10:30							8.2				
	12:00							8				
	2:00			0.13				10.9				
	2:50							7.2				

Chem-Trol
Summary of Air Discharge Field Measurements

5/6/99	7:30							8.8		Empty	Empty	
	8:30							8.6				
	8:50							7.9				
	9:30							8				
	10:15							7.9				
	11:00							7.7				
6/7/99	10:45							8.3		Empty	Empty	Air makeup valve on "3rd notch"
	10:59							77.5				Air makeup valve on "2nd notch"
	11:35	3.1	2	0.175	84	0	111	63				Air makeup valve on "2nd notch"
	12:45	1.75	0.5		88	0	115	11.5				Air makeup valve on "3rd notch"
7/8/99	10:15	1.1	0.3	0.19	76	0	101	25		Empty	Empty	Air makeup valve set on 3rd notch
	12:15	1.1	0.3	0.19 (0 to 10 in H2O gage)	78	0	103	26.2				
7/28/99	8:00	1.1	0	not meas.	82	0	105	18.2		Empty	Empty	
8/12/99	8:05	6.5	10.2	0.025 610 fpm 110 cfm	78	0	100	17	sampled 10.7 bfr. 10.9 after	Empty	Empty	Changed PI1, 2 and 4 to gage with units of in. H2O Sampled VOCs for lab analysis
9/16/99	3:15	-8.5	-13	0.01	72	0	85	20.2		Empty	Empty	
10/15/99	2:00	>-15	>-15	0.025	72	0	100	8.4 init. 25 after makup adj.		Empty	Empty	
11/21/99	9:30	>-15	>-15	0.022	68	0	88	15.8	sampled 15.8 bfr. 14.3 after	Empty	Empty	
12/17/99	9:40	>-15	>-15	0.025	72	0	94			Empty	Empty	
1/3/00	10:00	>-15	>-15	0.025	72	0	76			Empty	Empty	

Chem-Trol
Summary of Air Discharge Field Measurements

2/15/00	11:00	>-15	>-15	0.024	44	0	70	14		Empty	Empty	
3/24/00	11:15	>-15	>-15	0.015	68	0	100	7.8		Empty	Empty	
4/12/00	1:00	>-15	>-15	0.01	52	0	86	3.2	0	Empty	Empty	

PROGRESS REPORT
REMEDIAL DESIGN/REMEDIAL ACTION
CHEM-TROL SITE, HAMBURG, NEW YORK

PROGRESS REPORT 9
JULY and AUGUST 1999

A. SUMMARY OF ACTIONS

- Held a project close out meeting for the "Source Control" construction on July 28, 1999.
- Continued operation of the SVE system.

B. RESULTS OF SAMPLING, TESTS, AND DATA GENERATED

- Visited the site on July 8, 28, and August 12, 1999 to measure total VOCs in the SVE system discharge for compliance with criteria established in the April 21, 1999 letter to NYSDEC. A sample of the SVE discharge was collected on August 12, 1999 for Target Compound List volatile organic compounds (see attached test results).

C. WORK PLANS/DELIVERABLES SUBMITTED

- None.

D. WORK SCHEDULED FOR THE NEXT SIX WEEKS

- Continue operation of the SVE system.
- Complete preparation of Groundwater Control Elements design plans and specifications.

E. SCHEDULE/DELAYS

- Work progressing in accordance with the project schedule presented in Progress Report 3.

F. MODIFICATIONS TO WORK PLANS/SCHEDULES

- None.

G. COMMUNITY RELATIONS ACTIVITIES

- None.

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

RECEIVED
SEP 3 1999
McMahon & Mann Consulting Engineers, P.C.

DATE 01-SEP-1999

LAB SAMPLE ID : L37345-1

McMahon & Mann Consulting
Thomas Heins
2495 Main Street
Suite 511
Buffalo, NY 14214

SAMPLE SOURCE	MCMAHON & MANN
ORIGIN	SVE SYSTEM
DESCRIPTION	AIR
SAMPLED ON	12-AUG-99 00:00 by CLIENT
DATE RECEIVED	13-AUG-99 10:05
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ppm	0.5	19-AUG-99	EPA 8260	99-157-7986
Vinyl chloride	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
Chloroethane	U	ppm	0.4	19-AUG-99	EPA 8260	99-157-7986
Bromomethane	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
1,1-Dichloroethene	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
Acetone	U	ppm	2	19-AUG-99	EPA 8260	99-157-7986
Carbon disulfide	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
Methylene chloride	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
trans-1,2-Dichloroethene	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
1,1-Dichloroethane	U	ppm	0.4	19-AUG-99	EPA 8260	99-157-7986
cis-1,2-Dichloroethene	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
Methyl ethyl ketone (2-Butanone)	U	ppm	2	19-AUG-99	EPA 8260	99-157-7986
Chloroform	1	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
1,1,1-Trichloroethane	0.7	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
Carbon tetrachloride	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
Benzene	U	ppm	0.04	19-AUG-99	EPA 8260	99-157-7986
1,2-Dichloroethane	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
Trichloroethene	0.8	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
1,2-Dichloropropane	U	ppm	0.4	19-AUG-99	EPA 8260	99-157-7986
Bromodichloromethane	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
cis-1,3-Dichloropropene	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
Methyl isobutyl ketone	U	ppm	0.5	19-AUG-99	EPA 8260	99-157-7986
Toluene	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
trans-1,3-Dichloropropene	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
1,1,2-Trichloroethane	U	ppm	0.3	19-AUG-99	EPA 8260	99-157-7986
Tetrachloroethene	0.2	ppm	0.1	19-AUG-99	EPA 8260	99-157-7986
2-Hexanone	U	ppm	0.5	19-AUG-99	EPA 8260	99-157-7986
Dibromochloromethane	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
Chlorobenzene	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
Ethylbenzene	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
p-Xylene/m-Xylene	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
o-Xylene	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
Styrene	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986
Bromoform	U	ppm	0.1	19-AUG-99	EPA 8260	99-157-7986
1,1,2,2-Tetrachloroethane	U	ppm	0.2	19-AUG-99	EPA 8260	99-157-7986

C NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

e information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.
ur samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs . . . Since 1963."

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 01-SEP-1999

LAB SAMPLE ID : L37345-1

McMahon & Mann Consulting
Thomas Heins
2495 Main Street
Suite 511
Buffalo, NY 14214

SAMPLE SOURCE	MCMAHON & MANN
ORIGIN	SVE SYSTEM
DESCRIPTION	AIR
SAMPLED ON	12-AUG-99 00:00 by CLIENT
DATE RECEIVED	13-AUG-99 10:05
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	98	%				99-157-7986
Toluene-d8	99	%				99-157-7986
4-Bromofluorobenzene	92	%				99-157-7986

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

Page ___ of ___

CHAIN OF CUSTODY RECORD

CUSTOMER CODE #

PROJECT NO./NAME	CLIENT NAME	SAMPLE SITE	SAMPLER'S SIGNATURE
Chem-Trol	McMahon & Mann Cons. Eng., P.C.		Stomp Rieser

L37845

SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	ORIGIN/SOURCE	# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TEST REQUESTED
08129-AIR	8/12/99		SVE System	1		X		Target compound list volatile organic compounds

RELINQUISHED BY SIGNATURE PRINT	DATE/TIME	RECEIVED BY SIGNATURE PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE PRINT	DATE/TIME
Stomp Rieser	4:45 8/12/99	CEDC 852 Dewayne Thom			

RECEIVED BY SIGNATURE PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE PRINT	DATE/TIME
				Shannon M. Bennett / Shannon M. Bennett	8/13/99 10:05

REMARKS

FRIEND LABORATORY, INC.
ONE RESEARCH CIRCLE • WAVERLY, NEW YORK 14892
PHONE (607) 565-3500 • FAX (607) 565-4083

PROGRESS REPORT
REMEDIAL DESIGN/REMEDIAL ACTION
CHEM-TROL SITE, HAMBURG, NEW YORK

PROGRESS REPORT 11
November and December 1999

A. SUMMARY OF ACTIONS

- Discussed draft NYSDEC comments on the groundwater control remedial design bid documents.
- Contacted the USACOE during the week of December 13, 1999 to inquire about the status of the Nationwide Permit application review.
- Continued operation of the SVE system.

B. RESULTS OF SAMPLING, TESTS, AND DATA GENERATED

- Visited the site on November 21 and December 17, 1999 to measure total VOCs in the SVE system discharge for compliance with criteria established in the April 21, 1999 letter to NYSDEC.
- Collected a sample from the SVE system discharge for TCL volatile analysis. The results of this analysis are attached. These test results indicate that the system is operating within the limits established in the April 21, 1999 letter to NYSDEC.

C. WORK PLANS/DELIVERABLES SUBMITTED

- None.

D. WORK SCHEDULED FOR THE NEXT SIX WEEKS

- Continue operation of the SVE system.
- Respond to NYSDEC comments on the groundwater control bid documents and receive NYSDEC approval.
- Receive USACOE approval of Nationwide Permit application for work within wetland areas.

E. SCHEDULE/DELAYS

- Work progressing in accordance with the project schedule presented in Progress Report 3.

F. MODIFICATIONS TO WORK PLANS/SCHEDULES

- None.

G. COMMUNITY RELATIONS ACTIVITIES

- None.

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FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

RECEIVED
DEC 4 1999
McMahon & Mann Consulting Engineers, P.C.

DATE 01-DEC-1999

LAB SAMPLE ID : L41974-1

McMahon & Mann Consulting
Thomas Heins
2495 Main Street
Suite 511
Buffalo, NY 14214

SAMPLE SOURCE	CHEM-TROL
ORIGIN	09219-S1
DESCRIPTION	AIR
SAMPLED ON	21-NOV-99 10:00 by CLIENT
DATE RECEIVED	23-NOV-99 14:50
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
EPA 8260						
Chloromethane	U	ppm	0.5	30-NOV-99	EPA 8260	99-157-9023
Vinyl chloride	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
Chloroethane	U	ppm	0.4	30-NOV-99	EPA 8260	99-157-9023
Bromomethane	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
1,1-Dichloroethene	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
Acetone	U	ppm	2	30-NOV-99	EPA 8260	99-157-9023
Carbon disulfide	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
Methylene chloride	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
trans-1,2-Dichloroethene	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
1,1-Dichloroethane	U	ppm	0.4	30-NOV-99	EPA 8260	99-157-9023
cis-1,2-Dichloroethene	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
Methyl ethyl ketone (2-Butanone)	U	ppm	2	30-NOV-99	EPA 8260	99-157-9023
Chloroform	1	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
1,1,1-Trichloroethane	0.4	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
Carbon tetrachloride	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
Benzene	U	ppm	0.04	30-NOV-99	EPA 8260	99-157-9023
1,2-Dichloroethane	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
Trichloroethene	0.4	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
1,2-Dichloropropane	U	ppm	0.4	30-NOV-99	EPA 8260	99-157-9023
Bromodichloromethane	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
cis-1,3-Dichloropropene	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
Methyl isobutyl ketone	U	ppm	0.5	30-NOV-99	EPA 8260	99-157-9023
Toluene	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
trans-1,3-Dichloropropene	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
1,1,2-Trichloroethane	U	ppm	0.3	30-NOV-99	EPA 8260	99-157-9023
Tetrachloroethene	U	ppm	0.1	30-NOV-99	EPA 8260	99-157-9023
2-Hexanone	U	ppm	0.5	30-NOV-99	EPA 8260	99-157-9023
Dibromochloromethane	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
Chlorobenzene	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
Ethylbenzene	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
p-Xylene/m-Xylene	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
o-Xylene	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
Styrene	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023
Bromoform	U	ppm	0.1	30-NOV-99	EPA 8260	99-157-9023
1,1,2,2-Tetrachloroethane	U	ppm	0.2	30-NOV-99	EPA 8260	99-157-9023

: RF NY 10252 NJ 73168 PA 68180 EPA NY 00033 *Approved by:* *John A. Kent* *Lab Director*

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 01-DEC-1999

LAB SAMPLE ID : L41974-1

McMahon & Mann Consulting
Thomas Heins
2495 Main Street
Suite 511
Buffalo, NY 14214

SAMPLE SOURCE	CHEM-TROL
ORIGIN	09219-S1
DESCRIPTION	AIR
SAMPLED ON	21-NOV-99 10:00 by CLIENT
DATE RECEIVED	23-NOV-99 14:50
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Surrogate Recovery:						
Dibromofluoromethane	125	%				99-157-9023
Toluene-d8	95	%				99-157-9023
4-Bromofluorobenzene	95	%				99-157-9023

NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: _____ Lab Director

Y: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

CHAIN OF CUSTODY RECORD

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FRIEND LABORATORY I • N • C
ONE RESEARCH CIRCLE
WAVERLY NY 14892-1532
Telephone (607) 565 3500
Fax (607) 565 7160

Untreated	Sodium thiosulfate	HCl pH <2	Ascorbic acid & HCl pH <2	HNO_3 pH <2	H_2SO_4 pH <2	NaOH pH >12	NaOH & Zinc acetate pH >9	Acetic Buffer pH <3	Sodium sulfite

CLIENT: McMahon MACE
ADDRESS: 2495 Main St Suite 541
PHONE: Buffalo NY 14214
716 834 8932 834 8936

INVOICE TO:
ADDRESS: same

Sample Site: Chem-Trol

P.O. #

PROJECT NO. / NAME

COPY TO:
ADDRESS:

L41974

DATE & TIME OF SAMPLE COLLECTION	SAMPLE DESCRIPTION	NUMBER OF CONTAINERS	ANALYSES / TESTS REQUESTED	LAB USE ONLY SAMPLE NUMBER
11/21/99 10:00 AM	09219-S1-Air	1 Description: Grab Composite Other Matrix: DW WW MW Soil Air Other	TCL Volatiles	-1
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		
		Description: Grab Composite Other Matrix: DW WW MW Soil Air Other		

RELINQUISHED BY	DATE / TIME	ACCEPTED BY	DATE / TIME	NOTES TO LABORATORY
SAMPLER Thomas Rasmi	11/21/99 11:50	Kathy Wager	11/21/99 11:50	
		Lori Jones	11/23/99 2:50	
				SUSPECTED CONTAMINATION LEVEL NONE SLIGHT MODERATE HIGH (please circle)

Committed To *Your* Success

Severn Trent Laboratories
10 Hazelwood Drive
Suite 106
Amherst, New York 14226

Tel: (716) 691-2600
Fax: (716) 691-7991
www.stl-inc.com

April 25, 2000

Mr. Tom Heins
McMahon & Mann
2495 Main Street, Ste 511
Buffalo, NY 14214

RE: Analytical Results

Dear Mr. Heins:

Please find enclosed analytical results concerning the sample recently submitted by your firm. The pertinent information regarding these analyses is listed below:

Site Name: ChemTrol Site
Project Name: ChemTrol Site - TCLP
Matrix: Aqueous
Sample Received: 04/15/00
Sample Date: 04/14/00

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

Sincerely,

Severn Trent Laboratories, Inc.

Kenneth P. Kinecki
Program Manager

KPK/jnr
Enclosure

I.D.#A00-2507
#NY5A584515

This report contains 12 pages which are individually numbered

Committed To *Your* Success

ANALYTICAL RESULTS

Prepared for:

Waste Management, Inc.
ChemTrol Site

Prepared by:

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

METHODOLOGY

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

- "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846), Third Edition, Update III, December 1996, United States Environmental Protection Agency Office of Solid Waste.

COMMENTS

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

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

The Reporting Limits (RL) for Method 8260 Organic analyses are representative of the Estimated Quantitation Limits and the Maximum Concentration Limits.

The Reporting Limits (RL) for Wet Chemistry analyses are representative of the Method Detection Limits.

The sample cooler was received ambient.

QUALITY ASSURANCE / QUALITY CONTROL

METHOD 8260

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

ORGANIC DATA COMMENT PAGE

Laboratory Name SEVERN TRENT LABORATORIES, INC.

WASTE MANAGEMENT/USEPA Defined Organic Data Qualifiers:

ND - Indicates compound was analyzed for but not detected.

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

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

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

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

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

G - The TCLP Matrix Spike recovery was greater than the upper limit of the analytical method.

L - The TCLP Matrix Spike recovery was lower than the lower limit of the analytical method.

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

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

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

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

000003

Sample Data Package

Sample ID: SVECOND04140
Lab Sample ID: A0250701
Date Collected: 04/14/2000
Time Collected: 16:00

Date Received: 04/15/2000
Project No: NY5A584515
Client No: L10923
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SW8463 8260 - TCLP VOLATILES - WATER							
1,1-Dichloroethene	0.02		0.005	MG/L	8260/5ML	04/19/2000 06:03	SP
1,2-Dichloroethane	ND		0.005	MG/L	8260/5ML	04/19/2000 06:03	SP
Benzene	0.003	J	0.005	MG/L	8260/5ML	04/19/2000 06:03	SP
Carbon Tetrachloride	ND		0.005	MG/L	8260/5ML	04/19/2000 06:03	SP
Chlorobenzene	ND		0.005	MG/L	8260/5ML	04/19/2000 06:03	SP
Chloroform	0.02		0.005	MG/L	8260/5ML	04/19/2000 06:03	SP
Methyl Ethyl Ketone	ND		0.01	MG/L	8260/5ML	04/19/2000 06:03	SP
Tetrachloroethene	0.03		0.005	MG/L	8260/5ML	04/19/2000 06:03	SP
Trichloroethene	0.09		0.005	MG/L	8260/5ML	04/19/2000 06:03	SP
Vinyl chloride	ND		0.005	MG/L	8260/5ML	04/19/2000 06:03	SP

Chronology and QC Summary Package

SDG: 041401
Client Sample ID: vblk23 msb
Lab Sample ID: A0250702 A0250703

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCLP VOLATILES					
Benzene	MG/L	0.048	0.050	98	67-124
Methyl Ethyl Ketone	MG/L	0.18	0.25	75	33-132
Carbon Tetrachloride	MG/L	0.047	0.050	95	49-148
Chlorobenzene	MG/L	0.043	0.050	88	62-128
Chloroform	MG/L	0.049	0.050	98	76-137
1,2-Dichloroethane	MG/L	0.047	0.050	94	70-122
1,1-Dichloroethene	MG/L	0.046	0.050	94	71-138
Tetrachloroethene	MG/L	0.042	0.050	85	65-139
Trichloroethene	MG/L	0.046	0.050	93	66-119
Vinyl chloride	MG/L	0.038	0.050	76	45-144

000006

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Calculated

CHEMTROL SITE
METHOD 8260 - TCLP VOLATILES
WATER SURROGATE RECOVERY

Laboratory: STL Buffalo - RECNY
Lab Job No: A00-2507
SDG No: 041401

Client Sample ID	Lab Sample ID	S1 BFB	#	S2 DCE	#	S3 TOL	#
msb	A0250703	106		104		105	
SVECOND04140	A0250701	100		104		106	
vblk23	A0250702	91		104		104	

QC Limits

S1	BFB	=	p-Bromofluorobenzene	(71 - 119)
S2	DCE	=	1,2-Dichloroethane-D4	(73 - 122)
S3	TOL	=	Toluene-D8	(83 - 111)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

CHEMTROL SITE
METHOD 8260 - TCLP VOLATILES
WATER INTERNAL STANDARDS RECOVERY

Laboratory: STL Buffalo - RECNY
Lab Job No: A00-2507
SDG No: 041401

Client Sample ID	Lab Sample ID	IS1 CBZ	#	IS2 DCB	#	IS3 DFB	#
msb	A0250703	110		107		108	
SVECOND04140	A0250701	92		74		103	
vblk23	A0250702	104		84		118	

QC Limits

IS1	CBZ	=	Chlorobenzene-D5	(50 - 200)
IS2	DCB	=	1,4-Dichlorobenzene-D4	(50 - 200)
IS3	DFB	=	1,4-Difluorobenzene	(50 - 200)

Column to be used to flag recovery values
* Values outside of contract required QC limits

800008

WASTE MANAGEMENT, INC.
SAMPLE CHRONOLOGY
METHOD 8260 - TCLP VOLATILES

Time: 11:43:26

Lab Sample ID TE Lab ID TIMS Sample ID	A0250701 SVECOND04140			
Sample Date	04/14/2000			
Received Date	04/15/2000			
TCLP Date	04/18/2000			
Extraction Date	-			
Analysis Date	04/19/2000			
TCLP Extraction HT MET?	YES			
Extraction HT Met?	-			
Analytical HT Met?	YES			
Dilution Factor	1.0			
Sample Matrix	WATER			

600009

Lab Sample ID TE Lab ID TIMS Sample ID	A0250703 msb	A0250702 vblk23		
Sample Date				
Received Date				
TCLP Date	/ /	/ /		
Extraction Date	-	-		
Analysis Date	04/18/2000	04/19/2000		
TCLP Extraction HT MET?	NO	NO		
Extraction HT Met?	-	-		
Analytical HT Met?	YES	YES		
Dilution Factor	1.0	1.0		
Sample Matrix	WATER	WATER		

000010

000011

Chain of Custody

STL
Committed To *Your* Success

Report To:

Contact: T. Heins
Company: McMahon & Mann
Address: 2495 Main St.
Suite 511
Buffalo, NY 14214
Phone: 716 834 8932
Fax: 716 834 8934
E-Mail: MMCE@BUFFNET.NET

Bill To:

Contact: Dave Moreira
Company: SCA
Address:
Phone:
Fax:
PO#: Quote:

Internal Use Only

NY5859451S
TASK 1

Sampler Name: T. Heins
Signature: Thomas R Heins
Project Name: Chem-Trol
Project Number: 94-022
Project Location: Hamburg, NY
Date Required: 4/19/00

STL Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	TCLP VOA	Additional Analyses / Remarks
	SVECond04140	4/14/00	4:00	W		X	

INDICATE PRESERVATIVE BY USING KEY BELOW (Optional)
INDICATE CONTAINER BY USING KEY BELOW (Optional)

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
Thomas R Heins	MMCE	4/15/00	9:30	Jason Kuchli	STL	4-15-00	0930
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous Solids
OL = Oil
A = Air
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other
—

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:
AMBIENT

Courier:
Bill of Lading:

000012

STL COC 10/98 Rev. I