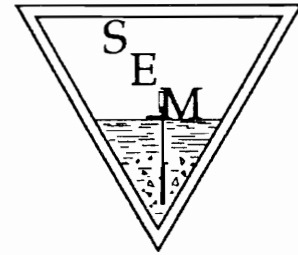


Strategic Environmental Management, Inc.



March 18, 2004

Ms. Chris Rossi
New York State Department of Environmental Conservation
Division of Environmental Remediation-Region 7
615 Erie Boulevard West
Syracuse, New York 13204-2400

Reference: Groundwater Recovery and Treatment System
Operations Reports

Former Northeast Environmental Services, Inc. Site
Canal Road, Town of Lenox, New York

NYSDEC Spill No. 01-60024/PIN No. H-0529

SEM File: 3003.0050.03.04

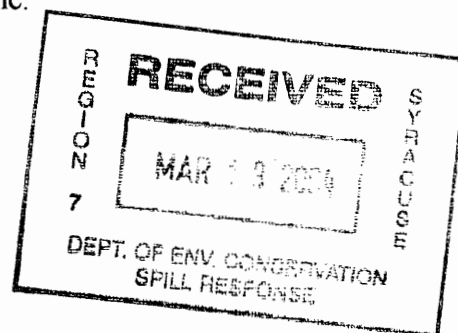
Dear Ms. Rossi:

Enclosed you will find a copy of the Groundwater Recovery and Treatment System Operations Reports dated December 2003, and January 2004. I expect to submit the February 2004 report in the next several weeks after all laboratory data is received and reviewed.

Respectfully,
STRATEGIC ENVIRONMENTAL MANAGEMENT, Inc.

Amy E. Lee
Environmental Scientist/GIS Analyst

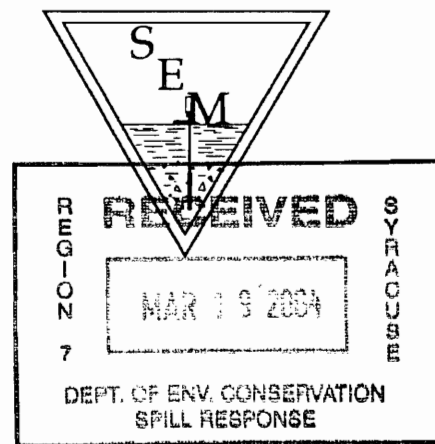
AEL



Strategic Environmental Management, Inc.

March 18, 2004

Ms. Chris Rossi
New York State Department of Environmental Conservation
Division of Environmental Remediation-Region 7
615 Erie Boulevard West
Syracuse, New York 13204-2400



Reference: Groundwater Recovery and Treatment System Operation,
Monitoring, and Maintenance Summary-January 2004
Former Northeast Environmental Services, Inc. Site
Canal Road, Town of Lenox, New York
NYSDEC Spill No. 01-60024/PIN No. H-0529
SEM File: 3003.050.03.01

Dear Ms. Rossi:

The following provides a summary of operation, monitoring, and maintenance activities conducted by our firm in connection with the above-referenced project since our last monthly summary report dated March 17, 2004. This also serves to present the results of effluent monitoring conducted at Outfall 001A, pursuant to the requirements of the existing State Pollutant Discharge Elimination System (SPDES) Permit.

Maintenance and Repairs

In general, the routine maintenance activities that have been conducted by SEM since the issuance of the last monthly summary report have included weekly system inspection, data collection, and back-flushing of the four carbon filters.

The carbon within the four carbon filters was backflushed during each weekly site visit by SEM personnel to remove accumulated mineral deposits and sediments. The backflushed water and mineral deposits were placed in five 55-gallon settling drums. The deposits were allowed to settle out of suspension and the clear liquid was transferred to the air stripper via a portable submersible pump during the following weekly site visit.

Sampling and Analysis/Operational Monitoring

Samples were submitted to Life Science Laboratories, Inc., of East Syracuse, New York, for analysis via EPA 601/602 methodology for volatile organic compounds (VOC). The analyses are to include those target compounds identified in the SPDES permit requirement as attached in Appendix E. The data generated from these analyses are used to assess the contaminant level of the influent waters (monthly), the operational efficiency of the air stripper (weekly), and the VOC removal capacity of the GAC filter backup system (weekly).

The sampling was conducted on the following dates:

- Week of January 4 (January 6)
- Week of January 11 (No Samples – System Frozen)
- Week of January 18 (January 23)
- Week of January 25 (January 28)

The results of the weekly analyses are tabulated in Attachment A.

Samples were not collected during the week of January 11, 2004 because the system was frozen upon arrival. Sampling for this January sampling program followed a slightly different routine from previous monthly sampling events. Collection of samples occurred from the air stripper effluent and Outfall 01A. The January 23, 2004 sampling event included collection of samples from all sampling points including pH analysis for the Outfall 0AA sample. As of February 12, 2004 it was intended that the weekly sampling events would return to weekly sampling of both influent and effluent with laboratory samples analyzed by the New York State DER laboratory in Albany depending upon their capacity to handle the volume of work.

In addition to monitoring the groundwater treatment system discharge for VOC's, a sample is submitted approximately monthly for analysis of pH. The results as reported by the lab are tabulated below. The lab reports are included as Attachment D.

Tabulation of pH Analyses – Outfall 01A

Date	pH (standard units)
10/7/03	8.0
11/3/03	7.7
12/2/03	8.4
1/23/04	7.7

A log of magnehelic readings for the air stripper that have been recorded through the past quarter is presented as Attachment B. The magnehelic gauge measures the air pressure in the air stripper sump where the fresh influent air is introduced. As the trays become fouled with mineral deposits, the air pressure has been observed to rise due to the restricted airflow through the diffusion trays. As a point of reference, upon start-up of the system after the physical/manual

cleaning event of June 4, 2003, the sump pressure was measured at 9.75 inches of water column (in. w.c.).

Op-Tech personnel most recently replaced the carbon media on December 5, 2003. The media change was completed in order to restore the adsorptive capacity of the back-up GAC filters. Op-Tech also cleaned the air stripper trays January 12, 2004. Op-Tech also cleaned the air stripper trays January 12, 2004 prior to the system freezing.

Periodic interruption by high water levels in the air stripper sump has been reduced by the replacement of the carbon media. As noted in Attachment C, weekly flow totals (cumulative gallons pumped) increased significantly after changing the carbon media.

During the site visit of January 14, 2004, SEM personnel discovered that water in several components of the treatment system was frozen due to sub-zero temperatures. Damage that resulted included broken PVC piping, fittings and the back cover of the flow meter on the RW-1 influent line. SEM personnel repaired all the system components as well as thawing the GAC filters and discharge line. An electric infrared heater was installed in the room housing the air stripper. The advantage of infrared heat is that the objects in the room are heated and tend to retain the heat rather than heating the room air which is consumed as intake to the air stripper. Additionally, electric heat cable was placed around the system discharge piping.

The existing electric space heaters were relocated to the GAC filter room to increase heating capacity. During the repairs, SEM personnel noticed cold air blowing into the GAC room in several locations. The lower two-foot portions of the drywall were removed along the south wall of the GAC filter room. It was then observed that the fiberglass insulation was absent. It had apparently been removed by rodent activity as evidenced by the presence of droppings at the base of the wall cavities.

SEM personnel replaced the fiberglass insulation along the southern wall perimeter. Additionally, weather stripping was applied to the threshold of the man door to the air stripper room to seal air drafts. Subsequent to the repairs and new heater installation, no additional freezing problems occurred.

A log of operational parameters maintenance activities (Attachment C) and a tabulation of flow volumes vs. analysis results (Attachment C) are attached to allow convenient reference. Copies of the laboratory analysis results and sample custody documentation associated with the various sampling events are also attached (Attachment D). A letter to Life Science Laboratories, Inc. is attached as Attachment E for reference purposes.

March 18, 2004

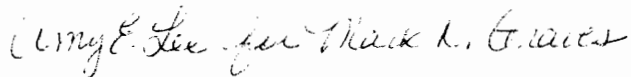
Discussion and Recommendations

To reduce the long term monitoring expenses of using a 'contract' laboratory, the weekly sampling schedule was reduced to the post air stripper effluent and the post GAC filter effluent (Outfall 001A). Past monitoring data from the influent points has shown VOC concentrations to be relatively consistent. Monthly monitoring samples will be collected from the two influent points in addition to the effluent sampling points. Discrete samples are then collected from each of the two influent sources (RW-1 and WP5D), post-air stripper/pre-GAC filter, and the treatment system effluent (Outfall 001A). Additionally, a sample of the outfall effluent will be submitted for pH monitoring at this time.

When the workload permits, SEM will utilize the NYS DER laboratory in Albany for sample analyses

The next monthly summary of operation, monitoring and maintenance activities will be submitted in March 2004. Please feel free to contact our office if you have any questions or concerns in the interim.

Respectfully,
STRATEGIC ENVIRONMENTAL MANAGEMENT, Inc.



Mark N. Graves
Project Manager

MNG/acl

Attachments

Attachment A

Tabulation of VOCs vs. SPDES Discharge Limitations

ATTACHMENT A
Former NES Facility, Canastota, New York
NYSDEC Spill No. 01-60024

Tabulation of VOCs vs. SPDES Discharge Limitations System O&M Sampling - January 06, 2004					
Detected Compound	RW-1 Influent	WP-5D Influent	Air Stripper Discharge	Final System Discharge (Outfall 01A)	SPDES Discharge Limit
Benzene	NC	NC	<1	<1	10
Ethyl Benzene	NC	NC	<1	<1	10
Toluene	NC	NC	<1	<1	10
Xylenes (total)	NC	NC	<1	<1	10
Carbon Tetrachloride	NC	NC	<1	<1	10
Chloroethane	NC	NC	<1	<1	30
Chloroform	NC	NC	<1	<1	10
1,1-Dichloroethane	NC	NC	<1	<1	10
1,2-Dichloroethane	NC	NC	<1	<1	10
1,1-Dichloroethene	NC	NC	<1	<1	10
cis-1,2-Dichloroethene	NC	NC	<1	<1	NR
trans-1,2-Dichloroethene	NC	NC	<1	<1	NR
1,2-Dichloroethenes (total)*	NC	NC	<1	<1	30
Methylene Chloride	NC	NC	<1	<1	10
Tetrachloroethene	NC	NC	<1	<1	3
1,1,2-Trichloroethane	NC	NC	<1	<1	Monitor
1,3,5-Trimethylbenzene	NC	NC	<1	<1	NR
1,2,4-Trimethylbenzene	NC	NC	<1	<1	10
Trimethylbenzenes (total)**	NC	NC	<1	<1	10
Trichlorofluoro-methane	NC	NC	<1	<1	10
1,1,1-trichloroethane	NC	NC	<1	<1	10
Trichloroethene	NC	NC	<1	<1	10
Vinyl Chloride	NC	NC	<1	<1	50
Total VOC's	NC	NC	ND	ND	NA
pH - std units	NC	NC	NC	NR	6.5-8.5

Notes:

NC = Not Collected

*1,2-Dichloroethenes (total) reported as total of cis and trans 1,2-Dichloroethene isomers.

** Trimethylbenzenes (total) reported as total of 1,2,4 and 1,3,5 Trimethylbenzene isomers.

NR = Not Reported

ND = Not Detected

ATTACHMENT A
Former NES Facility, Canastota, New York
NYSDEC Spill No. 01-60024

Tabulation of VOCs vs. SPDES Discharge Limitations System O&M Sampling - January 23, 2004					
Detected Compound	RW-1 Influent	WP-5D Influent	Air Stripper Discharge	Final System Discharge (Outfall 01A)	SPDES Discharge Limit
Benzene	<5	<1	<1	<1	10
Ethyl Benzene	30	<1	<1	<1	10
Toluene	640	<1	<1	<1	10
Xylenes (total)	150	<1	<1	<1	10
Carbon Tetrachloride	<5	<1	<1	<1	10
Chloroethane	<5	6.9	<1	<1	30
Chloroform	<5	<1	<1	<1	10
1,1-Dichloroethane	70	<1	<1	<1	10
1,2-Dichloroethane	<5	<1	<1	<1	10
1,1-Dichloroethene	7.1	<1	<1	<1	10
cis-1,2-Dichloroethene	940	6.3	<1	<1	NR
trans-1,2-Dichloroethene	6.2	<1	<1	<1	NR
1,2-Dichloroethenes (total)*	950	6.3	<1	<1	30
Methylene Chloride	<5	<1	<1	<1	10
Tetrachloroethene	<5	<1	<1	<1	3
1,1,2-Trichloroethane	<5	<1	<1	<1	Monitor
1,3,5-Trimethylbenzene	5.1	<1	<1	<1	NR
1,2,4-Trimethylbenzene	18	<1	<1	<1	10
Trimethylbenzenes (total)**	23.1	<1	<1	<1	10
Trichlorofluoro-methane	<5	<1	<1	<1	10
1,1,1-trichloroethane	70	<1	<1	<1	10
Trichloroethene	93	<1	<1	<1	10
Vinyl Chloride	160	34	<1	<1	50
Total VOC's	3162.5	53.5	ND	ND	NA
pH - std units	NC	NC	NC	7.7	6.5-8.5

Notes:

NC = Not Collected

*1,2-Dichloroethenes (total) reported as total of cis and trans 1,2-Dichloroethene isomers.

** Trimethylbenzenes (total) reported as total of 1,2,4 and 1,3,5 Trimethylbenzene isomers.

NR = Not Reported

ND = Not Detected

ATTACHMENT A
Former NES Facility, Canastota, New York
NYSDEC Spill No. 01-60024

Tabulation of VOCs vs. SPDES Discharge Limitations System O&M Sampling - January 28, 2004					
Detected Compound	RW-1 Influent	WP-5D Influent	Air Stripper Discharge	Final System Discharge (Outfall 01A)	SPDES Discharge Limit
Benzene	NC	NC	<1	<1	10
Ethyl Benzene	NC	NC	<1	<1	10
Toluene	NC	NC	<1	<1	10
Xylenes (total)	NC	NC	<1	<1	10
Carbon Tetrachloride	NC	NC	<1	<1	10
Chloroethane	NC	NC	<1	<1	30
Chloroform	NC	NC	<1	<1	10
1,1-Dichloroethane	NC	NC	<1	<1	10
1,2-Dichloroethane	NC	NC	<1	<1	10
1,1-Dichloroethene	NC	NC	<1	<1	10
cis-1,2-Dichloroethene	NC	NC	<1	<1	NR
trans-1,2-Dichloroethene	NC	NC	<1	<1	NR
1,2-Dichloroethenes (total)*	NC	NC	<1	<1	30
Methylene Chloride	NC	NC	<1	<1	10
Tetrachloroethene	NC	NC	<1	<1	3
1,1,2-Trichloroethane	NC	NC	<1	<1	Monitor
1,3,5-Trimethylbenzene	NC	NC	<1	<1	NR
1,2,4-Trimethylbenzene	NC	NC	<1	<1	10
Trimethylbenzenes (total)**	NC	NC	<1	<1	10
Trichlorofluoro-methane	NC	NC	<1	<1	10
1,1,1-trichloroethane	NC	NC	<1	<1	10
Trichloroethene	NC	NC	<1	<1	10
Vinyl Chloride	NC	NC	<1	<1	50
Total VOC's	NC	NC	ND	ND	NA
pH - std units	NC	NC	NC	NC	6.5-8.5

Notes:

NC = Not Collected

*1,2-Dichloroethenes (total) reported as total of cis and trans 1,2-Dichloroethene isomers.

** Trimethylbenzenes (total) reported as total of 1,2,4 and 1,3,5 Trimethylbenzene isomers.

NR = Not Reported

ND = Not Detected

Attachment B

Tabulation of A.S. Sump Magnehelic Readings

ATTACHMENT B
Tabulation of A.S. Sump Magnehelic
Readings

Date	Magnehelic Gauge (in. w.c.)
10/7/2003	13.5
10/13/2003	13.75
10/21/2003	14.25
10/28/03*	14.75
10/30/2003	10.75
11/3/2003	11.5
11/7/2003	12
11/11/2003	12.5
11/17/2003	13.25
11/25/2003	13.5
12/2/2003	14.5
12/05/03*	14.75/10.75**
12/10/2003	11.5
12/18/2003	11.75
12/23/2003	12.5
12/30/2003	13.5
1/6/2004	14.25
1/14/2004	~2.5"***
1/22/2004	11.5
1/23/2004	11.75
1/28/2004	12

*Air Stripper cleaned 6/5, 9/16, 10/28/03, 12/05/03,
and 1/12/04

** Carbon media changed 8/11/03, 12/05/03

*** System Frozen Upon Arrival.

NR = Not Recorded

Attachment C

Tabulation of Flow Volumes vs. Analysis Results And Groundwater Recovery and Treatment System Operations and Maintenance Logs

ATTACHMENT C
Tabulation of Flow Volumes vs. Analysis Results
Groundwater Recovery and Treatment System Operations and Maintenance Monitoring

Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Spill No. 01-60024/PIN No. H-0529																
Flow Totalizer Readings										Analysis Results-Total VOC (ppb)						
Date/Time	Time	RW-1	Δ (Gal.)	Δ (Min.)	AVE Flow rate (gpm)	Inst. Flow rate (gpm)	WP-5D	Δ (Gal.)	Δ (Min.)	AVE Flow rate (gpm)	Inst. Flow rate (gpm)	RW-1 Inf.	WP-5D Inf.	AS Discharge (Pre-Carbon)	Final Discharge (OUTFALL 001A)	Cumulative Gallons (RW-1 and WP-5D)
1/6/04 10:40	10:40	3,221,576	87,286	10,055	8.68	NR	3,005,373	66,303	10,055	6.59	5.80	NC	NC	ND	ND	153,589
1/14/04 10:45	10:45	NR	#VALUE!	11,525	#VALUE!	NR	NR	#VALUE!	11,525	NR	NR	NC	NC	ND	ND	#VALUE!
1/19/04 7:45	7:45	NR	#VALUE!	7,020	#VALUE!	NR	NR	#VALUE!	7,020	NR	NR	NC	NC	NC	NC	#VALUE!
1/22/04 17:20	17:20	3299780	#VALUE!	4,895	#VALUE!	10.00	3064010	#VALUE!	4,895	#VALUE!	5.80	NC	NC	NC	NC	#VALUE!
1/23/04 9:00	9:00	3307480	7,700	940	8.19	10.00	3070180	6,170	940	6.56	5.80	3162.5	53.5	ND	ND	13,870
1/28/2004 9:00	9:00	3362000	54,520	7,200	7.57	10.00	3115140	44,960	7,200	6.24	5.90	NC	NC	ND	ND	99,480
System operating upon arrival. Floor moist from leaking flanges of GAC filters #1, 2, & 3. Pump out floor sump collected O & M data and samples. Backflush GAC carbon filters & transport samples in cooler on ice to LSL. Greg G. & assist on site from OP Tech to inventory disposal items. System frozen upon arrival, snow on floor, sump frozen, settling drums frozen. Shut down AS blower, attempt to trouble shoot electric heater hanging from ceiling. Two portable space heaters on but insufficient heat output to heat room. On site to thaw out water lines and assess damage. Repaired broken back cover on flow meter for RW-1 from spare parts meter. Started airstripper - noted leaks in flow meter and supply line RW1. Pumped out settling drums and operated discharge pump developed leak in 2" pipes on north side of shed - discharge line. Trouble shoot suspended electrical heater. Pick up materials and supplies. Make repairs to frozen pipes. Reinstalled discharge pipe. (shoveled out snow to install out of wind). Restarted A.S. 1720 primed WPSD pump. System operating upon arrival. Snow noted on floor behind floor sump - wind blows under back of wall. Water dripping from joint in discharge line outside - tightened hose clamps wrapped line with styrofoam. Pumped out settling drums and backflushed carbon filters. Collected O & M data and samples. Transported samples to LSL. System running and heaters functioning though a chunk of ice was present in floor sump along back wall. Also ice on floor behind #2 GAC filter. Fittings dripping and water was present on floor - overflowing sump slightly. Pump out floor sump and cloect O & M samples - pump out settling drums and back flushed carbon filters. Check interior of building for access to tank room - OK, sloped berm. Also drums in rear were moved out of way. Transported samples to LSL. Pick up 1:1 acid for preserving vials and ordered metals containers (25-500ml)																

ATTACHMENT C
 Tabulation of Flow Volumes vs. Analysis Results
 Groundwater Recovery and Treatment System Operations and Maintenance Monitoring

NOTES: Flow Volume vs. Analysis Results

232 = WP5-D flow meter clogged with fine sand
NC = Not Collected
Δ (Gallons) indicates number of gallons recovered from respective well since the last flow reading.
Δ (Minutes) indicates number of minutes between the current and previous flow reading.
NR=Not Recorded
NA=Not Applicable
ppb=Pars per billion (ug/L)
ND=None Detected
Cumulative gallons column reflects sum total of water volumes recovered from both wells since the prior air stripper cleaning.
Flow meter/totalizer for RW-1 was clogged and not recording flow- discovered and remedied on 11/18/02;actual flow for this period unknown. Subsequent total flows between this period and the December 20 air stripper cleaning may not be representative.
Sample of influent from RW-1 not available on September 24, 2002 due to broken sampling port-port subsequently replaced.
** Flow meter/totalizer for RW-1 was not operating during the March 13, 2003 visit, the flow meter/totalizer was replaced; actual flow for this period is unknown. Subsequent total flows between this period and the March 31, 2003 air stripper cleaning may not be representative.
Ψ Laboratory contamination suspected for compound Methylene chloride
AD = Airstripper Down for Cleaning and Carbon Media Change Out
#VALUE! = Unable to Calculate

Attachment D

**Laboratory Analysis Results and Chain of Custody
Documentation**



Revised NYS
06 JAN 04

Timothy Digiulio
New York State DEC - Region 7, ER
615 Erie Blvd. W.
Syracuse, NY 13204-2400

Phone: (315) 426-7519

FAX: (315) 426-2653

Revised Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

NYS DEC Spill #: 01-60024

NYS DEC Pin #: H-0529

LSL Project ID: 0400112

Receive Date/Time: 01/06/04 11:52 by: GS

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

<u>Yvonda Waters QC</u>	<u>2/2/04</u>
Reviewed By	Date

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

Life Science Laboratories, Inc.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1105
Fax (315) 445-1301
NYS DOH ELAP #10248

LSL North Lab
131 St. Lawrence Avenue
Waddington, NY 13694
Tel. (315) 388-4476
Fax (315) 388-4061
NYS DOH ELAP #10900

LSL Finger Lakes Lab
16 N. Main St., PO Box 424
Wayland, NY 14572
Tel. (585) 728-3320
Fax (585) 728-2711
NYS DOH ELAP #11667

LSL Southern Tier Lab
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Cuba, NY 14727
Tel. (585) 968-2640
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NYS DOH ELAP #10760

LSL Middlesex Lab
5611 Water St.
Middlesex, NY 14507
Tel. (585) 554-5347
Fax. (585) 554-6743
NYS DOH ELAP #11369

A copy of this report was sent to:

Original Report Date: 01/13/04

SEM

Date Printed:

Page 1 of 4

2/2/04

-- REVISED LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Post-Air Stripper (Pre-Carbon) LSL Sample ID: 0400112-001
Location: NES
Sampled: 01/06/04 9:10 Sampled By: MG
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01-C,EPA 602 Volatiles by 624					
Benzene	<1	ug/l		1/10/04	BD
Ethyl benzene	<1	ug/l		1/10/04	BD
Toluene	<1	ug/l		1/10/04	BD
1,2,4-Trimethylbenzene	<1	ug/l		1/10/04	BD
1,3,5-Trimethylbenzene	<1	ug/l		1/10/04	BD
Xylenes (Total)	<1	ug/l		1/10/04	BD
Surrogate (1,2-DCA-d4)	116	%R		1/10/04	BD
Surrogate (Tol-d8)	109	%R		1/10/04	BD
Surrogate (4-BFB)	121	%R		1/10/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624					
Carbon tetrachloride	<1	ug/l		1/10/04	BD
Chloroethane	<1	ug/l		1/10/04	BD
Chloroform	<1	ug/l		1/10/04	BD
1,1-Dichloroethane	<1	ug/l		1/10/04	BD
1,2-Dichloroethane	<1	ug/l		1/10/04	BD
1,1-Dichloroethene	<1	ug/l		1/10/04	BD
cis-1,2-Dichloroethene	<1	ug/l		1/10/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/10/04	BD
1,2-Dichloroethene, Total	<1	ug/l		1/10/04	BD
Methylene chloride	<1	ug/l		1/10/04	BD
Tetrachloroethene	<1	ug/l		1/10/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/10/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/10/04	BD
Trichloroethene	<1	ug/l		1/10/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/10/04	BD
Vinyl chloride	<1	ug/l		1/10/04	BD
Surrogate (1,2-DCA-d4)	116	%R		1/10/04	BD
Surrogate (Tol-d8)	109	%R		1/10/04	BD
Surrogate (4-BFB)	121	%R		1/10/04	BD

-- REVISED LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Final GWT System Discharge (Outfall 01A) LSL Sample ID: 0400112-002
Location: NES
Sampled: 01/06/04 9:15 Sampled By: MG
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01-C,EPA 602 Volatiles by 624					
Benzene	<1	ug/l		1/10/04	BD
Ethyl benzene	<1	ug/l		1/10/04	BD
Toluene	<1	ug/l		1/10/04	BD
1,2,4-Trimethylbenzene	<1	ug/l		1/10/04	BD
1,3,5-Trimethylbenzene	<1	ug/l		1/10/04	BD
Xylenes (Total)	<1	ug/l		1/10/04	BD
Surrogate (1,2-DCA-d4)	114	%R		1/10/04	BD
Surrogate (Tol-d8)	106	%R		1/10/04	BD
Surrogate (4-BFB)	123	%R		1/10/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624					
Carbon tetrachloride	<1	ug/l		1/10/04	BD
Chloroethane	<1	ug/l		1/10/04	BD
Chloroform	<1	ug/l		1/10/04	BD
1,1-Dichloroethane	<1	ug/l		1/10/04	BD
1,2-Dichloroethane	<1	ug/l		1/10/04	BD
1,1-Dichloroethene	<1	ug/l		1/10/04	BD
cis-1,2-Dichloroethene	<1	ug/l		1/10/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/10/04	BD
1,2-Dichloroethene, Total	<1	ug/l		1/10/04	BD
Methylene chloride	<1	ug/l		1/10/04	BD
Tetrachloroethene	<1	ug/l		1/10/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/10/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/10/04	BD
Trichloroethene	<1	ug/l		1/10/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/10/04	BD
Vinyl chloride	<1	ug/l		1/10/04	BD
Surrogate (1,2-DCA-d4)	114	%R		1/10/04	BD
Surrogate (Tol-d8)	106	%R		1/10/04	BD
Surrogate (4-BFB)	123	%R		1/10/04	BD

-- REVISED LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Trip Blank LSL Sample ID: 0400112-003
Location: NES
Sampled: 01/06/04 0:00 Sampled By:
Sample Matrix: TB

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01-C,EPA 602 Volatiles by 624					
Benzene	<1	ug/l		1/10/04	BD
Ethyl benzene	<1	ug/l		1/10/04	BD
Toluene	<1	ug/l		1/10/04	BD
1,2,4-Trimethylbenzene	<1	ug/l		1/10/04	BD
1,3,5-Trimethylbenzene	<1	ug/l		1/10/04	BD
Xylenes (Total)	<1	ug/l		1/10/04	BD
Surrogate (1,2-DCA-d4)	117	%R		1/10/04	BD
Surrogate (Tol-d8)	110	%R		1/10/04	BD
Surrogate (4-BFB)	118	%R		1/10/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624					
Carbon tetrachloride	<1	ug/l		1/10/04	BD
Chloroethane	<1	ug/l		1/10/04	BD
Chloroform	<1	ug/l		1/10/04	BD
1,1-Dichloroethane	<1	ug/l		1/10/04	BD
1,2-Dichloroethane	<1	ug/l		1/10/04	BD
1,1-Dichloroethene	<1	ug/l		1/10/04	BD
cis-1,2-Dichloroethene	<1	ug/l		1/10/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/10/04	BD
1,2-Dichloroethene, Total	<1	ug/l		1/10/04	BD
Methylene chloride	<1	ug/l		1/10/04	BD
Tetrachloroethene	<1	ug/l		1/10/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/10/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/10/04	BD
Trichloroethene	<1	ug/l		1/10/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/10/04	BD
Vinyl chloride	<1	ug/l		1/10/04	BD
Surrogate (1,2-DCA-d4)	117	%R		1/10/04	BD
Surrogate (Tol-d8)	110	%R		1/10/04	BD
Surrogate (4-BFB)	118	%R		1/10/04	BD

**SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS**

8/14/02

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	80-120	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Dodecane	40-110	40-110
DOH 310-14	Dodecane	40-110	40-110
DOH 310-15	Dodecane	40-110	40-110
DOH 310-34*	4-BFB	50-150	50-150
8015M_GRO*	4-BFB	50-150	50-150
8015M_DRO*	Terphenyl-d14	50-150	50-150

*Run by GC/MS.

Units Key:	ug/l = microgram per liter
	ug/kg = microgram per kilogram
	mg/l = milligram per liter
	mg/kg = milligram per kilogram
	%R = Percent Recovery

STRATEGIC ENVIRONMENTAL MANA

SAMPLE CUSTODY RECORD

SEM Project Number:	3003.0050
SEM Contact Person:	Mark Graves
Project Location:	Canastota, New

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Facsimile: (315) 386-4736

Report and Invoice
Address: Timothy DiGiulio, P.E.
NYSDEC Region 7
615 Erie Boulevard W.
Syracuse, NY 13202
Phone: 315-426-7471

Parameters

Notes/Comments

[illegible]

RCVD

JOHN



Christine Rossi
New York State DEC - Region 7, ER
615 Erie Blvd. W.
Syracuse, NY 13204-2400

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FAX: (315) 426-2653

Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

NYS DEC Spill #: 01-60024

NYS DEC Pin #: H0529

LSL Project ID: 0400396

Receive Date/Time: 01/09/04 14:46 by: GS

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

gale gatten QAO *1-23-04*
Reviewed By Date

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NYS DOH ELAP #11369

- - LABORATORY ANALYSIS REPORT - -

New York State DEC - Region 7, ER Syracuse, NY

Sample ID:	Holding Tank	LSL Sample ID:	0400396-001
Location:	Former NES		
Sampled:	01/09/04 9:55	Sampled By:	JW
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) ASTM E-502-84 Ignitability					
Ignitability	>60	Degrees C		1/14/04	DWK
(1) Corrosivity as pH					
Corrosivity as pH	7.0	Sd. Units		1/23/04	DWK
(1) EPA 1311 TCLP Extraction					
TCLP Non-Volatile Extraction				1/14/04	PEF
(1) EPA 1311 TCLP Z.H. Extraction					
TCLP Zero Headspace Extraction				1/14/04	PEF
(1) EPA 6010 TCLP Metals					
Arsenic	<1	mg/l	1/15/04	1/15/04	PEF
Barium	<5	mg/l	1/15/04	1/15/04	PEF
Cadmium	<0.5	mg/l	1/15/04	1/15/04	PEF
Chromium	<1	mg/l	1/15/04	1/15/04	PEF
Lead	<1	mg/l	1/15/04	1/15/04	PEF
Selenium	<0.5	mg/l	1/15/04	1/15/04	PEF
Silver	<1	mg/l	1/15/04	1/15/04	PEF
(1) EPA 7471 TCLP Mercury					
Mercury	<0.002	mg/l	1/16/04	1/16/04	PEF
(1) EPA 8151A TCLP Herbicides					
2,4-D	<0.5	mg/l	1/15/04	1/16/04	AMW
2,4,5-TP (Silvex)	<0.5	mg/l	1/15/04	1/16/04	AMW
Surrogate (DCAA)	31	%R	1/15/04	1/16/04	AMW
(1) EPA 8260 TCLP Volatiles					
Benzene	<0.05	mg/l		1/16/04	LEF
Carbon tetrachloride	<0.05	mg/l		1/16/04	LEF
Chlorobenzene	<0.05	mg/l		1/16/04	LEF
Chloroform	<0.05	mg/l		1/16/04	LEF
1,4-Dichlorobenzene	<0.05	mg/l		1/16/04	LEF
1,2-Dichloroethane	<0.05	mg/l		1/16/04	LEF
1,1-Dichloroethene	<0.05	mg/l		1/16/04	LEF
2-Butanone (MEK)	<0.1	mg/l		1/16/04	LEF
Tetrachloroethene	<0.05	mg/l		1/16/04	LEF
Trichloroethene	<0.05	mg/l		1/16/04	LEF
Vinyl chloride	<0.1	mg/l		1/16/04	LEF
Surrogate (1,2-DCA-d4)	101	%R		1/16/04	LEF
Surrogate (Tol-d8)	102	%R		1/16/04	LEF
Surrogate (4-BFB)	101	%R		1/16/04	LEF
<i>Analysis was performed on the original sample, not an extract.</i>					
(1) EPA 8270 TCLP Pesticides					
gamma-BHC (Lindane)	<0.01	mg/l	1/16/04	1/16/04	CRT
Chlordane, Total	<0.02	mg/l	1/16/04	1/16/04	CRT
Endrin	<0.01	mg/l	1/16/04	1/16/04	CRT
Heptachlor	<0.005	mg/l	1/16/04	1/16/04	CRT
Heptachlor epoxide	<0.005	mg/l	1/16/04	1/16/04	CRT

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID:	Holding Tank	LSL Sample ID:	0400396-001
Location:	Former NES		
Sampled:	01/09/04 9:55	Sampled By:	JW
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8270 TCLP Pesticides					
Methoxychlor	<0.05	mg/l	1/16/04	1/16/04	CRT
Toxaphene	<0.4	mg/l	1/16/04	1/16/04	CRT
(1) EPA 8270 TCLP Semi-Volatiles					
Cresol, Total	<0.01	mg/l	1/16/04	1/16/04	CRT
2,4-Dinitrotoluene	<0.01	mg/l	1/16/04	1/16/04	CRT
Hexachlorobenzene	<0.01	mg/l	1/16/04	1/16/04	CRT
Hexachlorobutadiene	<0.01	mg/l	1/16/04	1/16/04	CRT
Hexachloroethane	<0.01	mg/l	1/16/04	1/16/04	CRT
Nitrobenzene	<0.01	mg/l	1/16/04	1/16/04	CRT
Pentachlorophenol	<0.02	mg/l	1/16/04	1/16/04	CRT
Pyridine	<0.02	mg/l	1/16/04	1/16/04	CRT
2,4,5-Trichlorophenol	<0.01	mg/l	1/16/04	1/16/04	CRT
2,4,6-Trichlorophenol	<0.01	mg/l	1/16/04	1/16/04	CRT
Surrogate (2-Fluorophenol)	47	%R	1/16/04	1/16/04	CRT
Surrogate (Phenol-d5)	33	%R	1/16/04	1/16/04	CRT
Surrogate (2,4,6-Tribromophenol)	93	%R	1/16/04	1/16/04	CRT
Surrogate (Nitrobenzene-d5)	94	%R	1/16/04	1/16/04	CRT
Surrogate (2-Fluorobiphenyl)	81	%R	1/16/04	1/16/04	CRT
Surrogate (Terphenyl-d14)	117	%R	1/16/04	1/16/04	CRT
(1) EPA 9012 Reactive Cyanide					
Reactive Cyanide	<50	mg/kg		1/20/04	DRB
(1) EPA 9030A Reactive Sulfide					
Reactive Sulfide	<50	mg/kg		1/20/04	DWK
(1) EPA 9095 Paint Filter Test					
Paint Filter Test	Fail			1/14/04	MM
(1) SW846, 7.3 Reactivity Distillation					
Reactivity Distillation				1/14/04 16:00	MM



SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

8/14/02

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	80-120	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Dodecane	40-110	40-110
DOH 310-14	Dodecane	40-110	40-110
DOH 310-15	Dodecane	40-110	40-110
DOH 310-34*	4-BFB	50-150	50-150
8015M_GRO*	4-BFB	50-150	50-150
8015M_DRO*	Terphenyl-d14	50-150	50-150

*Run by GC/MS.

Units Key:	ug/l = microgram per liter
	ug/kg = microgram per kilogram
	mg/l = milligram per liter
	mg/kg = milligram per kilogram
	%R = Percent Recovery



John Witz

O-OTHER	AMOUNT

OT-OTHER (SPECIFY):

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LABORATORY:

25

ADDRESS:

White - LABORATORY

2022.066.9205



AEF

23 Jan 04

Christine Rossi
New York State DEC - Region 7, ER
615 Erie Blvd. W.
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FAX: (315) 426-2653

Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

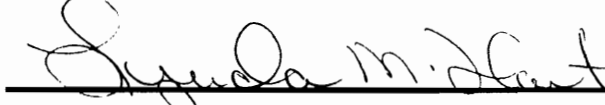
NYS DEC Spill #: 01-60024

NYS DEC Pin #: H-0529

LSL Project ID: 0401108

Receive Date/Time: 01/23/04 10:31 by: GS

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

 2/4/04
Reviewed By Date

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NYS DOH ELAP #11369

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Influent-RW-1 LSL Sample ID: 0401108-001
Location: NES
Sampled: 01/23/04 8:55 Sampled By: MG
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01-C, EPA 602 Volatiles by 624					
Benzene	<5	ug/l		1/28/04	BD
Ethyl benzene	30	ug/l		1/28/04	BD
Toluene	640	ug/l		1/28/04	BD
1,2,4-Trimethylbenzene	18	ug/l		1/28/04	BD
1,3,5-Trimethylbenzene	5.1	ug/l		1/28/04	BD
Xylenes (Total)	150	ug/l		1/28/04	BD
Surrogate (1,2-DCA-d4)	96	%R		1/28/04	BD
Surrogate (Tol-d8)	111	%R		1/28/04	BD
Surrogate (4-BFB)	108	%R		1/28/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624					
Carbon tetrachloride	<5	ug/l		1/28/04	BD
Chloroethane	<5	ug/l		1/28/04	BD
Chloroform	<5	ug/l		1/28/04	BD
1,1-Dichloroethane	70	ug/l		1/28/04	BD
1,2-Dichloroethane	<5	ug/l		1/28/04	BD
1,1-Dichloroethene	7.1	ug/l		1/28/04	BD
cis-1,2-Dichloroethene	940	ug/l		1/28/04	BD
trans-1,2-Dichloroethene	6.2	ug/l		1/28/04	BD
1,2-Dichloroethene, Total	950	ug/l		1/28/04	BD
Methylene chloride	<5	ug/l		1/28/04	BD
Tetrachloroethene	<5	ug/l		1/28/04	BD
1,1,1-Trichloroethane	70	ug/l		1/28/04	BD
1,1,2-Trichloroethane	<5	ug/l		1/28/04	BD
Trichloroethene	93	ug/l		1/28/04	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		1/28/04	BD
Vinyl chloride	160	ug/l		1/28/04	BD
Surrogate (1,2-DCA-d4)	96	%R		1/28/04	BD
Surrogate (Tol-d8)	111	%R		1/28/04	BD
Surrogate (4-BFB)	108	%R		1/28/04	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Influent WP-5D LSL Sample ID: 0401108-002
Location: NES
Sampled: 01/23/04 9:00 Sampled By: MG
Sample Matrix: NPW

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials
(1) ITEM #GW-01-C,EPA 602 Volatiles by 624			
Benzene	<1 ug/l	1/28/04	BD
Ethyl benzene	<1 ug/l	1/28/04	BD
Toluene	<1 ug/l	1/28/04	BD
1,2,4-Trimethylbenzene	<1 ug/l	1/28/04	BD
1,3,5-Trimethylbenzene	<1 ug/l	1/28/04	BD
Xylenes (Total)	<1 ug/l	1/28/04	BD
Surrogate (1,2-DCA-d4)	97 %R	1/28/04	BD
Surrogate (Tol-d8)	111 %R	1/28/04	BD
Surrogate (4-BFB)	110 %R	1/28/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624			
Carbon tetrachloride	<1 ug/l	1/28/04	BD
Chloroethane	6.9 ug/l	1/28/04	BD
Chloroform	<1 ug/l	1/28/04	BD
1,1-Dichloroethane	<1 ug/l	1/28/04	BD
1,2-Dichloroethane	<1 ug/l	1/28/04	BD
1,1-Dichloroethene	<1 ug/l	1/28/04	BD
cis-1,2-Dichloroethene	6.3 ug/l	1/28/04	BD
trans-1,2-Dichloroethene	<1 ug/l	1/28/04	BD
1,2-Dichloroethene, Total	6.3 ug/l	1/28/04	BD
Methylene chloride	<1 ug/l	1/28/04	BD
Tetrachloroethene	<1 ug/l	1/28/04	BD
1,1,1-Trichloroethane	<1 ug/l	1/28/04	BD
1,1,2-Trichloroethane	<1 ug/l	1/28/04	BD
Trichloroethene	<1 ug/l	1/28/04	BD
Trichlorofluoromethane (Freon 11)	<1 ug/l	1/28/04	BD
Vinyl chloride	34 ug/l	1/28/04	BD
Surrogate (1,2-DCA-d4)	97 %R	1/28/04	BD
Surrogate (Tol-d8)	111 %R	1/28/04	BD
Surrogate (4-BFB)	110 %R	1/28/04	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Post-Air Stripper (Pre-Carbon) LSL Sample ID: 0401108-003
Location: NES
Sampled: 01/23/04 9:05 Sampled By: MG
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01-C,EPA 602 Volatiles by 624					
Benzene	<1	ug/l		1/28/04	BD
Ethyl benzene	<1	ug/l		1/28/04	BD
Toluene	<1	ug/l		1/28/04	BD
1,2,4-Trimethylbenzene	<1	ug/l		1/28/04	BD
1,3,5-Trimethylbenzene	<1	ug/l		1/28/04	BD
Xylenes (Total)	<1	ug/l		1/28/04	BD
Surrogate (1,2-DCA-d4)	97	%R		1/28/04	BD
Surrogate (Tol-d8)	113	%R		1/28/04	BD
Surrogate (4-BFB)	108	%R		1/28/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624					
Carbon tetrachloride	<1	ug/l		1/28/04	BD
Chloroethane	<1	ug/l		1/28/04	BD
Chloroform	<1	ug/l		1/28/04	BD
1,1-Dichloroethane	<1	ug/l		1/28/04	BD
1,2-Dichloroethane	<1	ug/l		1/28/04	BD
1,1-Dichloroethene	<1	ug/l		1/28/04	BD
cis-1,2-Dichloroethene	<1	ug/l		1/28/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/28/04	BD
1,2-Dichloroethene, Total	<1	ug/l		1/28/04	BD
Methylene chloride	<1	ug/l		1/28/04	BD
Tetrachloroethene	<1	ug/l		1/28/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/28/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/28/04	BD
Trichloroethene	<1	ug/l		1/28/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/28/04	BD
Vinyl chloride	<1	ug/l		1/28/04	BD
Surrogate (1,2-DCA-d4)	97	%R		1/28/04	BD
Surrogate (Tol-d8)	113	%R		1/28/04	BD
Surrogate (4-BFB)	108	%R		1/28/04	BD

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Final GWT System Discharge (Outfall 01A) LSL Sample ID: 0401108-004
Location: NES
Sampled: 01/23/04 9:10 Sampled By: MG
Sample Matrix: NPW

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials
(1) ITEM #GW-01-C,EPA 602 Volatiles by 624			
Benzene	<1 ug/l	1/28/04	BD
Ethyl benzene	<1 ug/l	1/28/04	BD
Toluene	<1 ug/l	1/28/04	BD
1,2,4-Trimethylbenzene	<1 ug/l	1/28/04	BD
1,3,5-Trimethylbenzene	<1 ug/l	1/28/04	BD
Xylenes (Total)	<1 ug/l	1/28/04	BD
Surrogate (1,2-DCA-d4)	101 %R	1/28/04	BD
Surrogate (Tol-d8)	112 %R	1/28/04	BD
Surrogate (4-BFB)	106 %R	1/28/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624			
Carbon tetrachloride	<1 ug/l	1/28/04	BD
Chloroethane	<1 ug/l	1/28/04	BD
Chloroform	<1 ug/l	1/28/04	BD
1,1-Dichloroethane	<1 ug/l	1/28/04	BD
1,2-Dichloroethane	<1 ug/l	1/28/04	BD
1,1-Dichloroethene	<1 ug/l	1/28/04	BD
cis-1,2-Dichloroethene	<1 ug/l	1/28/04	BD
trans-1,2-Dichloroethene	<1 ug/l	1/28/04	BD
1,2-Dichloroethene, Total	<1 ug/l	1/28/04	BD
Methylene chloride	<1 ug/l	1/28/04	BD
Tetrachloroethene	<1 ug/l	1/28/04	BD
1,1,1-Trichloroethane	<1 ug/l	1/28/04	BD
1,1,2-Trichloroethane	<1 ug/l	1/28/04	BD
Trichloroethene	<1 ug/l	1/28/04	BD
Trichlorofluoromethane (Freon 11)	<1 ug/l	1/28/04	BD
Vinyl chloride	<1 ug/l	1/28/04	BD
Surrogate (1,2-DCA-d4)	101 %R	1/28/04	BD
Surrogate (Tol-d8)	112 %R	1/28/04	BD
Surrogate (4-BFB)	106 %R	1/28/04	BD
(1) ITEM #WT-25- ,EPA 150.1 pH			
pH	7.7 Std. Units	1/28/04 10:24	DSB
pH Measurement Temperature	25 Degrees C	1/28/04 10:24	DSB

NYS DOH ELAP specifications require pH to be measured within one hour of sample collection.

-- LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Trip Blank LSL Sample ID: 0401108-005
Location: NES
Sampled: 01/23/04 0:00 Sampled By:
Sample Matrix: TB

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01-C,EPA 602 Volatiles by 624					
Benzene	<1	ug/l		1/28/04	BD
Ethyl benzene	<1	ug/l		1/28/04	BD
Toluene	<1	ug/l		1/28/04	BD
1,2,4-Trimethylbenzene	<1	ug/l		1/28/04	BD
1,3,5-Trimethylbenzene	<1	ug/l		1/28/04	BD
Xylenes (Total)	<1	ug/l		1/28/04	BD
Surrogate (1,2-DCA-d4)	97	%R		1/28/04	BD
Surrogate (Tol-d8)	111	%R		1/28/04	BD
Surrogate (4-BFB)	97	%R		1/28/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624					
Carbon tetrachloride	<1	ug/l		1/28/04	BD
Chloroethane	<1	ug/l		1/28/04	BD
Chloroform	<1	ug/l		1/28/04	BD
1,1-Dichloroethane	<1	ug/l		1/28/04	BD
1,2-Dichloroethane	<1	ug/l		1/28/04	BD
1,1-Dichloroethene	<1	ug/l		1/28/04	BD
cis-1,2-Dichloroethene	<1	ug/l		1/28/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/28/04	BD
1,2-Dichloroethene, Total	<1	ug/l		1/28/04	BD
Methylene chloride	<1	ug/l		1/28/04	BD
Tetrachloroethene	<1	ug/l		1/28/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/28/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/28/04	BD
Trichloroethene	<1	ug/l		1/28/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/28/04	BD
Vinyl chloride	<1	ug/l		1/28/04	BD
Surrogate (1,2-DCA-d4)	97	%R		1/28/04	BD
Surrogate (Tol-d8)	111	%R		1/28/04	BD
Surrogate (4-BFB)	97	%R		1/28/04	BD



SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

8/14/02

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	80-120	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Dodecane	40-110	40-110
DOH 310-14	Dodecane	40-110	40-110
DOH 310-15	Dodecane	40-110	40-110
DOH 310-34*	4-BFB	50-150	50-150
8015M_GRO*	4-BFB	50-150	50-150
8015M_DRO*	Terphenyl-d14	50-150	50-150

*Run by GC/MS.

Units Key:	ug/l = microgram per liter
	ug/kg = microgram per kilogram
	mg/l = milligram per liter
	mg/kg = milligram per kilogram
	%R = Percent Recovery

0401108
NTYSDEC79

NC.

[illegible]

RCVD

0.4 on H₂



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Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

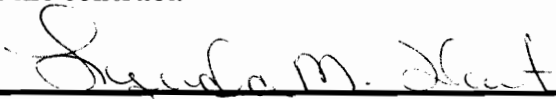
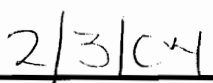
NYS DEC Spill #: 01-60024

NYS DEC Pin #: H-0529

LSL Project ID: 0401278

Receive Date/Time: 01/28/04 11:21 by: GS

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

 
Reviewed By **Date**

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- - LABORATORY ANALYSIS REPORT - -

New York State DEC - Region 7, ER Syracuse, NY

Sample ID:	PA/PC	LSL Sample ID:	0401278-001
Location:	Post-Air Stripper/Pre-Carbon		
Sampled:	01/28/04 8:30	Sampled By:	MG
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		1/31/04	BD
Chlorobenzene	<1	ug/l		1/31/04	BD
1,2-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,3-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,4-Dichlorobenzene	<1	ug/l		1/31/04	BD
Ethyl benzene	<1	ug/l		1/31/04	BD
MTBE	<1	ug/l		1/31/04	BD
Toluene	<1	ug/l		1/31/04	BD
Xylenes (Total)	<1	ug/l		1/31/04	BD
t-Butyl alcohol	<200	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	102	%R		1/31/04	BD
Surrogate (Tol-d8)	111	%R		1/31/04	BD
Surrogate (4-BFB)	94	%R		1/31/04	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		1/31/04	BD
Bromoform	<1	ug/l		1/31/04	BD
Bromomethane	<1	ug/l		1/31/04	BD
Carbon tetrachloride	<1	ug/l		1/31/04	BD
Chlorobenzene	<1	ug/l		1/31/04	BD
Chloroethane	<1	ug/l		1/31/04	BD
2-Chloroethylvinyl ether	<10	ug/l		1/31/04	BD
Chloroform	<1	ug/l		1/31/04	BD
Chloromethane	<1	ug/l		1/31/04	BD
Dibromochloromethane	<1	ug/l		1/31/04	BD
1,2-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,3-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,4-Dichlorobenzene	<1	ug/l		1/31/04	BD
Dichlorodifluoromethane	<1	ug/l		1/31/04	BD
1,1-Dichloroethane	<1	ug/l		1/31/04	BD
1,2-Dichloroethane	<1	ug/l		1/31/04	BD
1,1-Dichloroethene	<1	ug/l		1/31/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/31/04	BD
1,2-Dichloropropane	<1	ug/l		1/31/04	BD
cis-1,3-Dichloropropene	<1	ug/l		1/31/04	BD
trans-1,3-Dichloropropene	<1	ug/l		1/31/04	BD
Methylene chloride	<1	ug/l		1/31/04	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		1/31/04	BD
Tetrachloroethene	<1	ug/l		1/31/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/31/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/31/04	BD
Trichloroethene	<1	ug/l		1/31/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/31/04	BD
Vinyl chloride	<1	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	102	%R		1/31/04	BD
Surrogate (Tol-d8)	111	%R		1/31/04	BD
Surrogate (4-BFB)	94	%R		1/31/04	BD

- - LABORATORY ANALYSIS REPORT - -

New York State DEC - Region 7, ER Syracuse, NY

Sample ID:	O1A	LSL Sample ID:	0401278-002
Location:	Final GWT Systemm, Outfall O1A		
Sampled:	01/28/04 8:35	Sampled By:	MG
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		1/31/04	BD
Chlorobenzene	<1	ug/l		1/31/04	BD
1,2-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,3-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,4-Dichlorobenzene	<1	ug/l		1/31/04	BD
Ethyl benzene	<1	ug/l		1/31/04	BD
MTBE	<1	ug/l		1/31/04	BD
Toluene	<1	ug/l		1/31/04	BD
Xylenes (Total)	<1	ug/l		1/31/04	BD
t-Butyl alcohol	<200	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	104	%R		1/31/04	BD
Surrogate (Tol-d8)	111	%R		1/31/04	BD
Surrogate (4-BFB)	94	%R		1/31/04	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		1/31/04	BD
Bromoform	<1	ug/l		1/31/04	BD
Bromomethane	<1	ug/l		1/31/04	BD
Carbon tetrachloride	<1	ug/l		1/31/04	BD
Chlorobenzene	<1	ug/l		1/31/04	BD
Chloroethane	<1	ug/l		1/31/04	BD
2-Chloroethylvinyl ether	<10	ug/l		1/31/04	BD
Chloroform	<1	ug/l		1/31/04	BD
Chloromethane	<1	ug/l		1/31/04	BD
Dibromochloromethane	<1	ug/l		1/31/04	BD
1,2-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,3-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,4-Dichlorobenzene	<1	ug/l		1/31/04	BD
Dichlorodifluoromethane	<1	ug/l		1/31/04	BD
1,1-Dichloroethane	<1	ug/l		1/31/04	BD
1,2-Dichloroethane	<1	ug/l		1/31/04	BD
1,1-Dichloroethene	<1	ug/l		1/31/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/31/04	BD
1,2-Dichloropropane	<1	ug/l		1/31/04	BD
cis-1,3-Dichloropropene	<1	ug/l		1/31/04	BD
trans-1,3-Dichloropropene	<1	ug/l		1/31/04	BD
Methylene chloride	<1	ug/l		1/31/04	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		1/31/04	BD
Tetrachloroethene	<1	ug/l		1/31/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/31/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/31/04	BD
Trichloroethene	<1	ug/l		1/31/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/31/04	BD
Vinyl chloride	<1	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	104	%R		1/31/04	BD
Surrogate (Tol-d8)	111	%R		1/31/04	BD
Surrogate (4-BFB)	94	%R		1/31/04	BD

- - LABORATORY ANALYSIS REPORT - -

New York State DEC - Region 7, ER Syracuse, NY

Sample ID:	Trip Blank	LSL Sample ID:	0401278-003
Location:			
Sampled:	01/28/04 0:00	Sampled By:	
Sample Matrix:	QC		

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		1/31/04	BD
Chlorobenzene	<1	ug/l		1/31/04	BD
1,2-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,3-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,4-Dichlorobenzene	<1	ug/l		1/31/04	BD
Ethyl benzene	<1	ug/l		1/31/04	BD
MTBE	<1	ug/l		1/31/04	BD
Toluene	<1	ug/l		1/31/04	BD
Xylenes (Total)	<1	ug/l		1/31/04	BD
t-Butyl alcohol	<200	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	103	%R		1/31/04	BD
Surrogate (Tol-d8)	110	%R		1/31/04	BD
Surrogate (4-BFB)	95	%R		1/31/04	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		1/31/04	BD
Bromoform	<1	ug/l		1/31/04	BD
Bromomethane	<1	ug/l		1/31/04	BD
Carbon tetrachloride	<1	ug/l		1/31/04	BD
Chlorobenzene	<1	ug/l		1/31/04	BD
Chloroethane	<1	ug/l		1/31/04	BD
2-Chloroethylvinyl ether	<10	ug/l		1/31/04	BD
Chloroform	<1	ug/l		1/31/04	BD
Chloromethane	<1	ug/l		1/31/04	BD
Dibromochloromethane	<1	ug/l		1/31/04	BD
1,2-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,3-Dichlorobenzene	<1	ug/l		1/31/04	BD
1,4-Dichlorobenzene	<1	ug/l		1/31/04	BD
Dichlorodifluoromethane	<1	ug/l		1/31/04	BD
1,1-Dichloroethane	<1	ug/l		1/31/04	BD
1,2-Dichloroethane	<1	ug/l		1/31/04	BD
1,1-Dichloroethene	<1	ug/l		1/31/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/31/04	BD
1,2-Dichloropropane	<1	ug/l		1/31/04	BD
cis-1,3-Dichloropropene	<1	ug/l		1/31/04	BD
trans-1,3-Dichloropropene	<1	ug/l		1/31/04	BD
Methylene chloride	<1	ug/l		1/31/04	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		1/31/04	BD
Tetrachloroethene	<1	ug/l		1/31/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/31/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/31/04	BD
Trichloroethene	<1	ug/l		1/31/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/31/04	BD
Vinyl chloride	<1	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	103	%R		1/31/04	BD
Surrogate (Tol-d8)	110	%R		1/31/04	BD
Surrogate (4-BFB)	95	%R		1/31/04	BD



SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

8/14/02

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	80-120	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Dodecane	40-110	40-110
DOH 310-14	Dodecane	40-110	40-110
DOH 310-15	Dodecane	40-110	40-110
DOH 310-34*	4-BFB	50-150	50-150
8015M_GRO*	4-BFB	50-150	50-150
8015M_DRO*	Terphenyl-d14	50-150	50-150

*Run by GC/MS.

Units Key:	ug/l = microgram per liter
	ug/kg = microgram per kilogram
	mg/l = milligram per liter
	mg/kg = milligram per kilogram
	%R = Percent Recovery

0401278
NYSDC15YCR

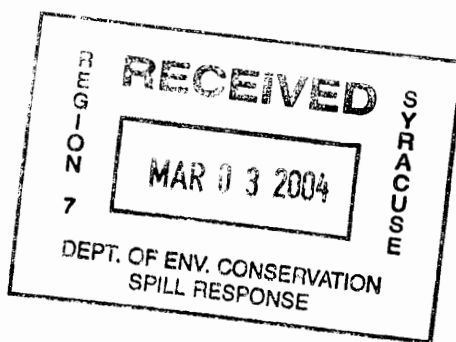
Facsimile: (315) 635-2380

Page 1 of 1

Sample Custody SAMPLE COLLECTION		Sample Custody RELINQUISH SAMPLE CUSTODY		Sample Custody ACCEPT AND RECEIVE SAMPLE CUSTODY	
Name: MARK GRAVES		Name: MARK GRAVES		Name: _____	
Signature: Mark Graves		Signature: Mark Graves		Signature: _____	
Sample TAT: Normal 14 Day				Laboratory: _____	
				Signature: _____	
				Time: _____	
				Date: _____	



Christine Rossi
New York State DEC - Region 7, ER
615 Erie Blvd. W.
Syracuse, NY 13204-2400



Phone: (315) 426-7471
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Revised Laboratory Analysis Report for the New York State Department of Environmental Conservation

Contract Number: C200209

NYS DEC Spill #: 01-60024

NYS DEC Pin #: H-0529

LSL Project ID: 0401278

Receive Date/Time: 01/28/04 11:21 by: GS

"I certify that this laboratory has current ELAP certification to provide the analytical results in this report and that the data package is in compliance with the terms and conditions of the contract."

Jul McCoy, DEC *03-01-04*
Reviewed By **Date**

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- - REVISED LABORATORY ANALYSIS REPORT - -

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: PA/PC LSL Sample ID: 0401278-001
Location: Post-Air Stripper/Pre-Carbon
Sampled: 01/28/04 8:30 Sampled By: MG
Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) ITEM #GW-01-C,EPA 602 Volatiles by 624					
Benzene	<1	ug/l		1/31/04	BD
Ethyl benzene	<1	ug/l		1/31/04	BD
Toluene	<1	ug/l		1/31/04	BD
1,2,4-Trimethylbenzene	<1	ug/l		1/31/04	BD
1,3,5-Trimethylbenzene	<1	ug/l		1/31/04	BD
Xylenes (Total)	<1	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	102	%R		1/31/04	BD
Surrogate (Tol-d8)	111	%R		1/31/04	BD
Surrogate (4-BFB)	94	%R		1/31/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624					
Carbon tetrachloride	<1	ug/l		1/31/04	BD
Chloroethane	<1	ug/l		1/31/04	BD
Chloroform	<1	ug/l		1/31/04	BD
1,1-Dichloroethane	<1	ug/l		1/31/04	BD
1,2-Dichloroethane	<1	ug/l		1/31/04	BD
1,1-Dichloroethene	<1	ug/l		1/31/04	BD
cis-1,2-Dichloroethene	<1	ug/l		1/31/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/31/04	BD
1,2-Dichloroethene, Total	<1	ug/l		1/31/04	BD
Methylene chloride	<1	ug/l		1/31/04	BD
Tetrachloroethene	<1	ug/l		1/31/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/31/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/31/04	BD
Trichloroethene	<1	ug/l		1/31/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/31/04	BD
Vinyl chloride	<1	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	102	%R		1/31/04	BD
Surrogate (Tol-d8)	111	%R		1/31/04	BD
Surrogate (4-BFB)	94	%R		1/31/04	BD

-- REVISED LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: O1A LSL Sample ID: 0401278-002
Location: Final GWT System, Outfall O1A
Sampled: 01/28/04 8:35 Sampled By: MG
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01-C, EPA 602 Volatiles by 624					
Benzene	<1	ug/l		1/31/04	BD
Ethyl benzene	<1	ug/l		1/31/04	BD
Toluene	<1	ug/l		1/31/04	BD
1,2,4-Trimethylbenzene	<1	ug/l		1/31/04	BD
1,3,5-Trimethylbenzene	<1	ug/l		1/31/04	BD
Xylenes (Total)	<1	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	104	%R		1/31/04	BD
Surrogate (Tol-d8)	111	%R		1/31/04	BD
Surrogate (4-BFB)	94	%R		1/31/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624					
Carbon tetrachloride	<1	ug/l		1/31/04	BD
Chloroethane	<1	ug/l		1/31/04	BD
Chloroform	<1	ug/l		1/31/04	BD
1,1-Dichloroethane	<1	ug/l		1/31/04	BD
1,2-Dichloroethane	<1	ug/l		1/31/04	BD
1,1-Dichloroethene	<1	ug/l		1/31/04	BD
cis-1,2-Dichloroethene	<1	ug/l		1/31/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/31/04	BD
1,2-Dichloroethene, Total	<1	ug/l		1/31/04	BD
Methylene chloride	<1	ug/l		1/31/04	BD
Tetrachloroethene	<1	ug/l		1/31/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/31/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/31/04	BD
Trichloroethene	<1	ug/l		1/31/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/31/04	BD
Vinyl chloride	<1	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	104	%R		1/31/04	BD
Surrogate (Tol-d8)	111	%R		1/31/04	BD
Surrogate (4-BFB)	94	%R		1/31/04	BD

-- REVISED LABORATORY ANALYSIS REPORT --

New York State DEC - Region 7, ER Syracuse, NY

Sample ID: Trip Blank LSL Sample ID: 0401278-003
Location:
Sampled: 01/28/04 0:00 Sampled By:
Sample Matrix: QC

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01-C,EPA 602 Volatiles by 624					
Benzene	<1	ug/l		1/31/04	BD
Ethyl benzene	<1	ug/l		1/31/04	BD
Toluene	<1	ug/l		1/31/04	BD
1,2,4-Trimethylbenzene	<1	ug/l		1/31/04	BD
1,3,5-Trimethylbenzene	<1	ug/l		1/31/04	BD
Xylenes (Total)	<1	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	103	%R		1/31/04	BD
Surrogate (Tol-d8)	110	%R		1/31/04	BD
Surrogate (4-BFB)	95	%R		1/31/04	BD
(1) ITEM #GW-02-C, EPA 601 Volatiles by 624					
Carbon tetrachloride	<1	ug/l		1/31/04	BD
Chloroethane	<1	ug/l		1/31/04	BD
Chloroform	<1	ug/l		1/31/04	BD
1,1-Dichloroethane	<1	ug/l		1/31/04	BD
1,2-Dichloroethane	<1	ug/l		1/31/04	BD
1,1-Dichloroethene	<1	ug/l		1/31/04	BD
cis-1,2-Dichloroethene	<1	ug/l		1/31/04	BD
trans-1,2-Dichloroethene	<1	ug/l		1/31/04	BD
1,2-Dichloroethene, Total	<1	ug/l		1/31/04	BD
Methylene chloride	<1	ug/l		1/31/04	BD
Tetrachloroethene	<1	ug/l		1/31/04	BD
1,1,1-Trichloroethane	<1	ug/l		1/31/04	BD
1,1,2-Trichloroethane	<1	ug/l		1/31/04	BD
Trichloroethene	<1	ug/l		1/31/04	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		1/31/04	BD
Vinyl chloride	<1	ug/l		1/31/04	BD
Surrogate (1,2-DCA-d4)	103	%R		1/31/04	BD
Surrogate (Tol-d8)	110	%R		1/31/04	BD
Surrogate (4-BFB)	95	%R		1/31/04	BD



SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

8/14/02

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	80-120	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Dodecane	40-110	40-110
DOH 310-14	Dodecane	40-110	40-110
DOH 310-15	Dodecane	40-110	40-110
DOH 310-34*	4-BFB	50-150	50-150
8015M_GRO*	4-BFB	50-150	50-150
8015M_DRO*	Terphenyl-d14	50-150	50-150

*Run by GC/MS.

Units Key:	ug/l = microgram per liter
	ug/kg = microgram per kilogram
	mg/l = milligram per liter
	mg/kg = milligram per kilogram
	%R = Percent Recovery

SAMPLE CUSTODY RECORD

0401278
NYSDEC7SYCR

25 1/2 Water Street

Telephone: (315) 635-8936

Facsimile: (315) 635-2380

Mark Graves

Mark Graves

SEM Contact Person:

Project Location:

Laboratories

Project Identification: NES NYSDC Spill No.

01-60024/Pin # H-0529

Page 1 of 1

Report and Invoice

Address: NYSDEC Region 7

615 Erie Boulevard W.

Syracuse, NY 13202

Phone: 315-426-7471

[illegible]

Sample Custody

SAMPLE COLLECTION

Name: MARK GRAVES

Signature: Th A. L. Chaves

Normal 14 Day

Sample Custody

RELINQUISH SAMPLE CUSTODY

Time:

2/28/08

—

Sample Custody

ACCEPT AND RECEIVE SAMPLE CUSTODY

Time:

Date: _____

Time:

Time:

280010