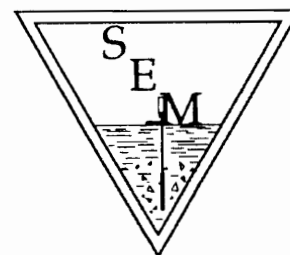


Strategic Environmental Management, Inc.



June 2, 2003

Timothy I. DiGiulio, P.E.
New York State Department of Environmental Conservation
Solid & Hazardous Materials-Region 7
615 Erie Boulevard West
Syracuse, New York 13202

Reference: Groundwater Recovery and Treatment System Operation,
Monitoring, and Maintenance Summary-May 2003
Former Northeast Environmental Services, Inc. Site
Canal Road, Town of Lenox, New York
NYSDEC Spill No. 01-60024/PIN No. H-0529
SEM File: 3003.050.05.03

Dear Mr. DiGiulio:

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 May 7, 2003. 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 maintenance activities that have been conducted by SEM since the issuance of the last monthly summary report have included weekly system inspection and backflushing of the four carbon filters.

The air stripper unit was also dismantled on April 4, 2003, and the trays were manually scraped to remove mineral deposits. Additionally, the air exchange perforations in each tray bottom were reamed to clear deposits and restore proper air flow, thus allowing efficient stripping of VOCs from the influent water. The air stripper sump was cleaned of all residual mineral deposits and accumulated fine sand, and re-assembled. The system was restarted and observed to operate within normal parameters.

The carbon within the four carbon filters was also backflushed during each site visit by SEM personnel to remove accumulated mineral deposits. The backflushed water and mineral deposits were placed in six 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 at the outset of the subsequent weekly site visit.

A log of magnehelic readings for the air stripper that have been recorded since the cleaning event of April 4, 2003 is presented below. The magnehelic 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 air flow through the diffusion trays. Upon start-up of the system after the cleaning, the sump pressure was 11.5 inches of water column (w.c.). As of the May 28 site visit, the pressure had increased to 15 inches w.c. Prior to the April 4 cleaning, the air pressure had been observed to be 15.5 in. w.c. and represented a reading associated with heavy fouling of the trays.

Re: Groundwater Recovery and Treatment System O, M & M Summary-May 2003
Former Northeast Environmental Services, Inc. Site

Tabulation of Magnehelic Readings

Date	Magnehelic Reading (" w.c.)
4/3/03	11.5
5/7/03	14.5
5/13/03	14.75
5/20/03	14.75
5/28/03	15.0

Based on the above data, it is recommended that the trays be pressure washed in the near future in an attempt to reduce the fouling before it becomes necessary to disassemble the unit to clear the individual perforations of the trays.

As previously discussed with you, water has been observed on the floor of the remediation building during the recent site visits. This condition appears to have resulted from leakage from a number of leaking ball valves, and from the flanges (i.e., lids) of the carbon filters. Some improvement of this condition has been realized through re-tightening of bolts that secure the carbon flanges; however, leakage continues to occur from the ball valves, and, to a lesser degree, through the filter flanges. Based on these factors, SEM has developed plans for repair and minor modification of the GAC filter system. These modifications include the replacement of leaking ball valves with new valves with compatible seal components and the incorporation of vinyl nitrile hose assembly with Cam-and-Groove fittings to facilitate the backflushing procedure. The use of hose assemblies will reduce the number of ball valves required in the backflush operation and thus reduce future maintenance issues as well as the additional backpressure associated with ball valves. SEM plans to modify the plumbing configuration during the week of June 2nd. At that time, SEM plans to also commence the pilot study for iron precipitate control methods to prevent scale build-up and fouling of the stripper trays. SEM will make the required plumbing modifications in the air stripper discharge line to allow recirculation of the Super-Iron Out cleaning solution. Recirculation of the cleaning solution will coincide with the disassembly and modification of the GAC filter system to reduce downtime of the groundwater recovery treatment system.

Sampling and Analysis/Operational Monitoring

Weekly monitoring samples are collected from several points of the groundwater recovery and treatment system. Discrete samples are 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).

The samples are submitted to Life Science Laboratories, of East Syracuse, New York, for analysis via EPA 601/602 methodology for volatile organic compounds (VOC). The data generated from these analyses are used to assess the contaminant level of the influent waters, the operational efficiency of the air stripper, and the VOC removal capacity of the GAC filter backup system.

The sampling was conducted on the following dates:

- Week of April 28, 2003 (April 30)
- Week of May 5 (May 7)
- Week of May 12 (May 13)
- Week of May 19 (May 20)
- Week of May 26 (May 28)-Results Pending

The results of the analyses are summarized in the table included on the following page.

**Tabulation of Detected Compounds vs. SPDES Discharge Limitations
System O&M Sampling**

Sampling Date	Detected Compound	RW-1 Influent	WP-5D Influent	Air Stripper Discharge	Final System Discharge (Outfall 01A)	SPDES Discharge Limit
4/30/03	Ethyl Benzene	14	ND	ND	ND	10
	Toluene	250	ND	ND	ND	10
	Xylenes (total)	76	ND	ND	ND	10
	Chloroethane	ND	14	ND	ND	30
	1,1-Dichloroethane	77	ND	ND	ND	10
	1,1-Dichloroethene	7.2	ND	ND	ND	10
	t-1,2-Dichloroethene	5.5	ND	ND	ND	30
	1,1,1-trichloroethane	55	ND	ND	ND	10
	Trichloroethene	74	ND	ND	ND	10
	Vinyl Chloride	110	55	ND	ND	50
5/7/03	Ethyl Benzene	26	ND	ND	ND	10
	Toluene	420	ND	ND	ND	10
	Xylenes (total)	120	ND	ND	ND	10
	Chloroethane	ND	14	ND	ND	30
	1,1-Dichloroethane	77	ND	ND	ND	10
	1,1-Dichloroethene	6.6	ND	ND	ND	10
	t-1,2-Dichloroethene	5.2	ND	ND	ND	30
	1,1,1-trichloroethane	46	ND	ND	ND	10
	Trichloroethene	66	ND	ND	ND	10
	Vinyl Chloride	130	69	ND	ND	50
5/13/03	Ethyl Benzene	16	ND	ND	ND	10
	Toluene	310	ND	ND	ND	10
	Xylenes (total)	78	ND	ND	ND	10
	Chloroethane	ND	20	ND	ND	30
	1,1-Dichloroethane	67	ND	ND	ND	10
	1,1-Dichloroethene	6.5	ND	ND	ND	10
	t-1,2-Dichloroethene	5.2	ND	ND	ND	30
	1,1,1-trichloroethane	42	ND	ND	ND	10
	Trichloroethene	62	ND	ND	ND	10
	Vinyl Chloride	150	81	ND	ND	50
5/20/03	Ethyl Benzene	ND	ND	ND	ND	10
	Toluene	180	ND	1.4	1.6	10
	Xylenes (total)	42	ND	ND	ND	10
	Chloroethane	ND	16	ND	ND	30
	1,1-Dichloroethane	68	ND	ND	ND	10
	1,1-Dichloroethene	6.8	ND	ND	ND	10
	t-1,2-Dichloroethene	ND	ND	ND	ND	30
	1,1,1-trichloroethane	43	ND	ND	ND	10
	Trichloroethene	55	ND	ND	ND	10
	Vinyl Chloride	110	61	ND	ND	50
5/28/03	Results Pending					

Notes: All values are in ug/L or parts-per-billion (ppb).

The above table reflects only those target compounds that were detected in the various samples; all other target compounds were below the respective method detection limits.

Re: Groundwater Recovery and Treatment System O, M & M Summary-May 2003
Former Northeast Environmental Services, Inc. Site

A log of operational parameters and maintenance activities (ATTACHMENT A), and a tabulation of flow volumes vs. analysis results (ATTACHMENT B) 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.

The detection of VOC in both the air stripper discharge sample and the final effluent (Outfall 001A) are consistent with the magnetelic observations discussed above, indicating that the air stripper should be cleaned in the immediate future. As such, we will attempt to schedule this work to be conducted by Op-Tech prior to the initiation of the pilot study employing the Super Iron-Out product.

The next monthly summary of operation, monitoring and maintenance activities will be submitted in early June. 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/jed

Attachments

Cc: David Roth-Op-Tech Environmental Services, Inc., with attachments

Attachment A

Groundwater recovery and Treatment System Operations and Maintenance Logs

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2002 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
March 2002						
Pre-March 13	-	*	--	*	--	Operations and maintenance activities performed by Tim Kilts.
March 13	1000	*	9	*	7	Carbon filters 1,2,3 and 4 backwashed
March 27	1500	*	9	*	7	Carbon replaced in filters 3 and4
March 28	0900	*	None	*	None	Disassembled air stripper and began cleaning trays.
March 29	0900	*	None	*	None	Replaced carbon in filters 1 and 2
April 2002						
April 1	1400	*	None	*	None	Acid washed air stripper; cleaned shed and re-assembled air stripper
April 3	1200	*	8.7	*	7	Replaced carbon in filters 3 and 4; attempted to pull submersible pump in RW-1 for trouble shooting.
April 4	1000	*	8.8	*	7.3	Remediation shed flooded, removed water from floor
April 8	1430	*	8.5	*	7.5	
April 17	1230	*	8.5	*	7.5	Carbon filters 1, 2, 3 and 4 back flushed.
April 25	1220	*	8.5	*	7.5	Back flushed carbon filters 3 and 4
April 30		*	9	*	7.5	Carbon filters 3 and 4 back flushed.
May 2002						
May 9	1530	*	9	*	7	Carbon filters 1 and 2 back flushed.
May 14	1100	*	9	*	7	Significant water on floor of shed upon arrival-transferred to air stripper; carbon filters 1 and 2 back flushed; lower walls and floor of remediation building pressure washed; several leaks in system repaired.
May 15	1000	*	9	*	7	New flow meter/totalizer installed on WP-5D; carbon filters 1 and 2 back flushed; troubleshooting of sump pump within floor sump.
May 31	1350	*	8.5	150410	7.5	Carbon filters 1 and 2 back flushed.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2002 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
June 2002						
June 6	0845	5	12.5	194430	8	New flow meter/totalizer installed on RW-1;
June 11	1330	49090	11.5	227910	8	Carbon filters 3 and 4 back flushed.
June 13	1130	69830	11.2	241720	7.5	Carbon filters 1, 2, 3 and 4 back flushed; flow from recovery wells intermittent-air stripper discharge pump unable to handle flow from both wells. High water level interlock of air stripper shuts down operation of recovery wells periodically while water is transferred from lower tray of air stripper to carbon filters.
June 25	0830	198030	None	323710	None	Groundwater recovery and treatment system operation discontinued to allow pipe from well WP-5D to be buried.
June 26	-	198030	None	323710	None	Continuation of water line installation activities; system not operational.
June 27+	-	198030	None	323710	None	Water line installation finalized by Op-Tech; determination that carbon in carbon filters requires change due to breakthrough detected at Outfall 001; Carbon ordered by Op-Tech, system no operational.
July 2002						
July 18	-	198030	None	323710	None	Carbon in carbon filters 1,2,3 and 4 replaced by Op-Tech; system not operational.
July 19	1810	198030	11.5	323710	None	Connected new water line that had been installed from WP-5D, attempts to prime water line from WP-5D and re-start system operation unsuccessful; system operation with RW-1 only resumed in pm.
July 21	1335	210220	11	323710	None	System check, electrical line installed from remediation building to Outfall 001 area for flow meter that is positioned within V-notch weir.
July 22	--	--	--	--	--	Trouble shooting water pipe from well WP-5D to groundwater treatment system; WP-5D not operational; air pressure-test of line.
July 23	0910	-	11.5	323710	None	Re- Excavation and replacement of buried water line from WP-5D to groundwater treatment system; priming new line; startup of system with WP-5D operational.
July 26	1130	236900	11.5	331160	7.0	System operation intermittent, as air stripper outlet pump is unable to handle volume from RW-1 and WP-5D; significant fouling of interior of stripper trays; new flow meter delivered to site for WP-5D.
July 31	1515	252830	11.0	342370	None	Air Stripper cleaned by Op-Tech; only RW-1 turned back on-Pump of WP-5D not operational; troubleshooting revealed blown fuses-need to purchase new fuses for pump.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2002 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
August 2002						
August 5	1045	292240	10	342370	None	Carbons 1 and 2 active; 3 and 4 shut down; backwashing of 1 and 2 conducted; fuses replaced; attempts to re-prime line of WP-5D unsuccessful- need additional person to facilitate priming.
August 6	1000	301970	11.5	342370	None	All four carbon filters placed into operation prior to departing site, due to increase in pressure; attempts to prime water line from WP-5D unsuccessful- determined that flexible hose within manhole at WP-5D was restricting free flow of water-needs to be replaced.
August 9	1330 1540	330880 331300	11.5	342380 342540	6.5	Flexible hose in manhole at well changed to vacuum hose due to prior hose collapsing, creating flow restriction; WP-5D operating before leaving site.
August 19	1115	373970	None	366120	None	Poor discharge from air stripper due to clogged piping from stripper pump to carbon filters; system was not operating prior to leaving site; T/C with Tim Digilio-authorized SEM to re-plumb appropriate piping.
August 20	--	373970	None	366120	None	Cut and removed piping from air stripper discharge pump to carbon filters due to significant scale on interior of piping. Began re-plumbing system.
August 21	--	373970	None	366120	None	Finish installing new piping from air stripper discharge pump to carbon filters. Supply line from well WP-5D needs to be primed. Unable to place system into operation due to low flow rate of air stripper discharge pump.
August 22	--	373970	None	366120	None	Pump test on air stripper discharge pump revealed maximum flow rate of 4.5 GPM. Dismantled pump head of air stripper discharge pump-pump vanes significantly clogged with iron/mineral buildup. Pump disconnected and removed for cleaning. Submitted to HOW Pumps of Liverpool, NY for cleaning and replacement of seals and impellers.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2002 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
August 2002 (cont.)						
August 28	1520	374270	None	366200	None	System not operational upon arrival, as air stripper discharge pump had been removed and cleaned/repaired by HOW Pumps of Liverpool, NY. Pump re-installed, and system placed into operation. System in full operation at 1555; pump for WP-5D was primed. Air stripper discharge pump now maintaining adequate drawdown in lower tray of stripper so that inflow from wells RW-1 and WP-5D is not interrupted due to high water level. Carbon filters 1 and 2 backflushed-very turbid; recommend backflush again on 8/29. Carbon filters 1 and 2 placed in operation; filters 3 and 4 not in operation at this time-may need to open all four at once if sediment buildup occurs too quickly to maintain adequate flow. Samples of influent from RW-1 and WP-5D; air stripper effluent (pre-carbon); and final system discharge (Outfall 001A) collected and submitted to Life Science Laboratories for analysis by EPA Methods 601 + 602.
	1603	374630		366250		
	1702	375260	10.7	366640	6.6	
	1720	375440	10.0	366760	6.7	
	1840	376350	11.38	367350	7.4	
			Ave. = 10.96 GPM		Ave. = 7.0 GPM	
August 29	1228	386320	11 GPM	373800	6.8 GPM	System operating properly upon arrival. Transferred water from 8/28 carbon backflush event to air stripper, and backflushed carbon filters 1 and 2. Influent flow discontinued from 1230 to 1304 for backflush procedure. Carbon filters 3 and 4 remain closed. System operation fine upon departure.
	1412	387110		374310		
September 2002						
Sept. 3		Not Recorded		Not Recorded		Carbon filters 1 and 2 backflushed; filters 3 and 4 remain closed.
Sept. 6		Not Recorded		Not Recorded		Carbon filters 1 and 2 backflushed; filters 3 and 4 remain closed.
Sept. 9	1451	501830	11.5 GPM	438660	5.5 GPM	Carbon filters 1 and 2 backflushed; filters 3 and 4 remain closed.
Sept. 12	1423	528940	12 GPM	451930	5.5 GPM	Carbon filters 1 and 2 backflushed; filters 3 and 4 remain closed.
Sept. 17	1231	576220	11 GPM	475670	6 GPM	Carbon filters 1 and 2 backflushed; filters 3 and 4 opened.
Sept. 21	1427	613330	11 GPM	494800	5.5 GPM	Upon arrival, air stripper discharge pump operating, but influent pumps from RW-1 and WP-5D not, due to high water level in air stripper. Carbon filter backpressure at 66 PSI prior to backflush event. Carbon filters 1, 2, 3, and 4 backflushed. Filters 3 and 4 most turbid; recommend backflush again on 9/23 or 9/24, as flow through filters 3 and 4 remained turbid. System operating without intermittent shutdown of influent pumps upon departure. Pressure reduced to 16 PSI following backflushing.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2002 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
September 2002 (cont.)						
Sept. 24	1935	653200	10.5 GPM	516400	5.7 GPM	Carbon filters 1 and 2 backflushed. Sampling port for RW-1 influent broken-needs to be replaced.
October 2002						
October 1	1000	704020	11.5 GPM	544040	6.5 GPM	Piping and sampling port for RW-1 influent replaced to allow sampling of the influent. Carbon filters 1, 2, 3 and 4 backflushed. Carbon filters 3 and 4 exhibited most sediment.
October 4	1028	715240	11 GPM	550540	6 GPM	Influent flow from RW-1 and WP-5D intermittent upon arrival due to water level in air stripper sump accumulating faster than discharge pump was removing, creating high water level alarm-backpressure from carbon filters appears to be impeding discharge pump operation. All 4 carbon filters backflushed. System operating without interruption by high water levels upon departure.
October 8	1100	758400	10.5 GPM	575840	6.5 GPM	All 4 carbon filters backflushed. System operating fine.
October 14	1645	836590	11 GPM	622530	6.5 GPM	System operating fine. All 4 carbon filters backflushed-less sediment buildup noted than previously observed. Heater for building plugged in and started to prevent freezing.
October 23	1206	914680	11 GPM	670670	6.5 GPM	All 4 carbon filters backflushed. System operating fine.
October 28	1600	941430	11 GPM	687200	7.5 GPM	Carbon filters 1 and 2 backflushed. System operating fine.
November 2002						
November 4	1252	96510	11.5 GPM	703400	7 GPM	Carbon filters 1 through 4 backflushed. System operation fine.
November 6		NR	NR	NR	NR	Air stripper dismantled, pressure washed, and re-assembled, and carbon within all four carbon filters replaced by Op-Tech. Sump pump within floor sump not operating-sump pump previously used to transfer backflush water from settling basins to air stripper placed in floor sump.
November 12	1345	991750	11 GPM	746460	6.5 GPM	Carbon filters 1 through 4 backflushed. System operating fine.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2002 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
November 2002 (cont.)						
November 18	1337	991750	NR	776690	6.7 GPM	System operation intermittent upon arrival, due to high water level in air stripper sump. Sump pump that had been placed in floor sump during November 6 work (i.e., pump previously used to transfer backflush water from settling basins to air stripper) not operational-new sump pump purchased at Kime True Value for site. Water from prior backflush event transferred to air stripper, and carbon filters 1 through 4 backflushed. Flow meter/totalizer for recovery well RW-1 not registering water flow-meter removed, dismantled, cleaned, and re-installed. Meter was clogged with significant volume of very fine sand. Meter operating appropriately after cleaning. Startup volume=991750 gallons.
	1607	991760	10 GPM	776770	6.7 GPM	
November 27	1540	1051970	10 GPM	819600	6.5 GPM	System operating fine upon arrival. Carbon filters 1-4 backflushed. System operating fine upon departure.
December 2002						
December 3	1840	1102720	11 GPM	854110	6.5 GPM	System operating fine upon arrival. Carbon filters 1-4 backflushed. System operating fine upon departure.
December 9	1352	1150060	10 GPM	885500	7 GPM	System operating fine upon arrival. Carbon filters 1-4 backflushed. Fitting on inlet piping from well WP-5D needs to be replaced, as water is leaking from small crack. System operating fine upon departure.
December 12	1354	1178340	10 GPM	903950	6 GPM	System operating fine upon arrival. Carbon filters 1-4 backflushed. Fitting on inlet piping from well WP-5D needs to be replaced, as water is leaking from small crack. System operating fine upon departure.
December 17	1520	1221280	10 GPM	931590	6.5 GPM	System operating fine upon arrival. System shut down due to elevated VOC concentrations detected in system effluent in laboratory results from sampling event. System to be restarted once Op-Tech has pressure washed air stripper and replaced carbon. Plumbing fitting on inlet piping from well WP-5D replaced-no visible leak after replacement.
December 20	NA	1221280	No Flow	931590	No Flow	Air stripper dismantled and pressure washed by Op-Tech. Carbon in filters 1-4 changed as well. Attempts to re-start GWT system revealed that effluent piping to discharge point was frozen, preventing flow.
December 30	1435	1221480	9.5 GPM	931740	6.5 GPM	System not operating upon arrival. Effluent piping from GWT building to discharge point replaced due to ice formation in existing line. System re-started and operating fine.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2003 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
January 2003						
January 3	PM	NA	NA	NA	NA	Visited site to check on GWT system operation and to collect samples for laboratory analysis. Could not access site or safely pull off road anywhere remotely near the site to walk to treatment building due to high volume of snow received during storm on this date. System inspection and sampling to occur after site access has been plowed.
January 7	0905	1297680	10 GPM	983460	6.1 GPM	GWT system operating upon arrival. Water from prior carbon backflushing event transferred to air stripper and carbon filters 1 through 4 backflushed. Rate of flow from air stripper discharge pump suggests that flow may be reduced somewhat, possibly due to iron/mineral buildup. Pump to be dismantled and inspected, and cleaned if necessary at time of next site visit. Operational monitoring and SPDES discharge samples collected.
January 14	1647	1363910	10.6 GPM	1026750	7 GPM	GWT system operating upon arrival-system operation slightly intermittent, due to high water level in air stripper sump, resulting in influent flow being occasionally interrupted for a short time. This may be indicative of decreased efficiency of air stripper discharge pump as a result of iron buildup, as encountered previously with this system. Water from prior backflush event transferred to air stripper; all four carbon filters backflushed. Filters 3 and 4 were most turbid.
January 22	1410	1427180	10 GPM	1068380	6.8 GPM	System operating intermittently upon arrival, due to buildup of water within air stripper sump-believed to be result of fouling of air stripper discharge pump and resultant reduced efficiency of pump operation. Air stripper discharge pump should be dismantled and cleaned to improve efficiency-to be scheduled. Water from prior carbon backflush event transferred to air stripper; all four carbon filters backflushed. pH of system discharge measured at 8.8 s.u.
January 27	1615	1462600	10.1 GPM	1091610	7 GPM	System operating intermittently upon arrival, due to water buildup in air stripper sump. Air stripper discharge pump disassembled-impellers and pump head components placed in "CLR" iron/mineral removal product (commercially available); pump re-assembled and re-installed following cleaning. Used "CLR" solution remains in 5-gallon pail pending arrangements for disposal. Water from prior carbon backflushing transferred to air stripper; all four carbon filters backflushed. System operating okay upon departure.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2003 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
February 2003						
02/03/03	NA	NA	NA	NA	NA	Air stripper disassembled and cleaned by high-pressure water, and carbon within carbon filters replaced by Op-Tech.
02/04/03	1707	1511070	10 GPM	1123840	7 GPM	System operating fine upon arrival. pH of final discharge = 8.6 s.u.
02/11/03	1525	1543920	10.2 GPM	1147150	6.8 GPM	System operating intermittently upon arrival due to buildup of water within the air stripper sump. Combined influent flow continues to exceed rate of transfer from air stripper to carbon filters by the discharge pump. Pump rate of air stripper transfer pump is very slow. approx. 5.5 to 6 GPM. Piping between pump and carbon filters contains some iron buildup, but remains relatively open. Water from prior carbon backflush event transferred to air stripper; all four carbon filters backflushed.
02/20/03	1550	1607960	10 GPM	1190810	6.5 GPM	System operating intermittently upon arrival due to buildup of water within the air stripper sump. Combined influent flow continues to exceed rate of transfer from air stripper to carbon filters by the discharge pump. Pump rate of air stripper transfer pump is very slow. Water from prior carbon backflush event transferred to air stripper; all four carbon filters backflushed. pH of final discharge = 8.0 s.u.
02/27/03	0842	1653430	10 GPM	1222500	6.5 GPM	System operating intermittently upon arrival due to buildup of water within the air stripper sump. Combined influent flow continues to exceed rate of transfer from air stripper to carbon filters by the discharge pump. Pump rate of air stripper transfer pump is very slow. Water from prior carbon backflush event transferred to air stripper; all four carbon filters backflushed.
March 2003						
3/7/03	0807	1697690	10 GPM	1256640	6.5	System operating intermittently upon arrival due to buildup of water in air stripper sump. Water from prior backflush event transferred from settling drums to air stripper. All four carbon filters backflushed. Collected monitoring samples.
3/13/03	1150	1697710 0(new flowmeter)	11 GPM	1279290	6.5	Replaced RW-1 flow totalizer; Air stripper discharge pump disassembled and cleaned; carbon filters backflushed; collected monitoring samples. Ordered replacement pump impellers.
3/19/03	0937	72244	11 GPM	1321946	6.6	System operating upon arrival. Backflushed all four carbon filters, collected monitoring samples.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2003 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
3/31/03	NR	NR	NR	NR	NR	SEM personnel on site to inspect air stripper, observed obstruction of air exchange perforations, scheduled Op-Tech for more aggressive cleaning, system not restarted due to high operating pressures.
April 2003						
4/4/03	1512	148120	11 GPM	1369510	6.75 GPM	Disassembled air stripper and manually scrapped trays, reamed out air perforation holes, and removed residue from stripper sump. Cleaned residue from floor sump, backflushed all four carbon filters, collected weekly monitoring samples. Magnehelic gauge=11.5 in. WC. upon restart of system.
4/10/03	1104	236050	11 GPM	1417226	6.5 GPM	System operating upon arrival, pumped settling drums to air stripper, backflushed all 4 carbon filters.
4/15/03	1105	313060	11 GPM	1417227	NA	System operating upon arrival; floor wet; carbon drums dripping. Shut off ball valve from backflush hose of drum #2 overflowing settling drum. Collected monitoring samples including pH (from 001A). Magnehelic gauge=12 in. WC. Flow meter for WP-5D was not functioning.
4/23/03	1000	430810	10.5 GPM	1417227	NA	Two to three inches of water on floor of shed upon arrival, two valves leaking in first set of carbon drums and drums leaking at flanges. Flow meter for WP-5D was not functioning, tapped on meter to clear sediment. Magnehelic gauge=13.5 in. WC.
4/30/03	1030	531876	10 GPM	1417589	6.3 GPM	System operating upon arrival, significant water accumulation (2 in.) on floor-cleaned up with sump pump-due to leak from ball valve on drum #1 back flow valve (1 1/2") Pumped out settling drums; collected monitoring data, samples and backflushed carbon filters. Magnehelic gauge=14 in. WC. Flow meter WP-5D functioning.
May 2003						
5/7/03	1055	631080	9.7 GPM	1480660	6.2 GPM	Two (2) inches of water accumulated on floor of treatment shed due to overflow of settling drums-leakage through backflush BV of drum #1-1 3/8 inch hose. Collected all data/samples; pumped out settling drums; backflushed carbon filters. Magnehelic gauge=14.5 in. WC.
5/13/03	937	711960	10.0 GPM	1533430	5.5 GPM	Pumped out settling drums and floor sump; backflushed all four carbon filters; recorded system data (O&M); Recorded carbon filter layout for schematic; system monitoring samples collected by C. Bradford while doing quarterly sampling of monitoring wells. Magnehelic gauge=14.75 in. WC.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

ATTACHMENT A

Groundwater Recovery and Treatment System Operations and Maintenance Log-2003 Former Northeast Environmental Services, Inc. Site, Canal Road, Town of Lenox, New York NYSDEC Petroleum Spill No. 01-60024/PIN No. H-0529

Date	Time	RW-1		WP-5D		Activities/Comments
		Flow Totalizer	Flow Rate (GPM)	Flow Totalizer	Flow Rate (GPM)	
5/20/03	1505	809620	10.5 GPM	1596070	6.5 GPM	System operating upon arrival; floor only wet in rear room from drum overflow due to leak in backflush valve drum #1; collected system monitoring samples; pumped out floor sump and settling drums; backflushed carbon drums. Magnehelic gauge=14.75 in. WC.
5/28/03	944	917270	10.5 GPM	1663150	6.4 GPM	System operating upon arrival; pumped out floor sump; collected system data and samples; pumped out settling drums; backflushed GAC filters. Magnehelic=15.0 in. WC.

Notes: * Influent piping equipped with digital flow meters not capable of totalizing flow until May 15 (WP-5D) and June 6 (RW-1).

Attachment B

Tabulation of Flow Volumes vs. Analysis Results

ATTACHMENT B
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

Date	Time	Flow Totalizer Readings			Analysis Results-Total VOC (ppb)					Cumulative Gallons (RW-1 and WP-5D)
		RW-1	Δ	WP-5D	Δ	RW-1 Inf.	WP-5D Inf.	AS Discharge (Pre-Carbon)	Final Discharge (OUTFALL 001A)	
7/18/02										
7/31/02										
7/31/02	1515	252830	NA	342370	NA	NS	NS	NS	NS	
7/31-8/9/02										
Carbon in filters 1,2,3 and 4 replaced by Op-Tech										
Air Stripper Dismantled and Cleaned (by Op-Tech)										
System operation limited to RW-1 only, due to problems with operation of pump for WP-5D										
8/9-8/19/02										
System operating with both pumps in operation. Trouble with operation of air stripper discharge pump due to significant fouling of discharge pump and piping.										
8/19-8/28/02										
System down to replace plumbing and repair air stripper discharge pump.										
8/9/02	1540	331300	78,470	342540	170	541.9	69	ND	ND	78,640
8/28/02	1720	375440	122,610	366760	24,390	1,432.4	67	ND	ND	147,000
9/6/02	1445	NR	NA	NR	NA	748	65	ND	ND	NA
9/17/02	1231	576220	323,390	475670	133,300	136	61	ND	ND	456,690
9/24/02	1935	653200	400,370	516400	174,030	NA	72	ND	ND	574,400
10/1/02	1000	704020	451,190	544040	201,670	654	80	20	ND	652,860
10/8/02	1100	758400	505,570	575840	233,470	1,093	70.8	ND	ND	739,040
10/23/02	1206	914680	661,850	670670	328,300	1,127	59	61.6	47	990,150
11/4/02	1252	967510	714,680	703400	361,030	1,208.1	73	268.9	73	1,075,710
11/6/02										
Air stripper dismantled and cleaned, and carbon in filters 1,2,3 and 4 changed (by Op-Tech).										
11/12/02	1345	991750	24,240*	746460	43,060	219.6	69	ND	ND	67,300
11/18/02	1337	991750*	UNK*	776690	73,290	1,547.9	62.2	7.8	ND	UNK*
11/27/02	1540	1051970	84,460*	819600	116,200	1,516.7	60.5	33	4.1	200,660
12/3/02	1840	1102720	135,210*	854110	150,710	779	74	133.1	63.1	285,920
12/12/02	1354	1178370	210,860*	903950	200,550	884.5	55	173	20.4	441,410
12/17/02										
System shut down based on results of analyses performed on samples collected on December 3.										
12/20/02										
Air stripper dismantled and cleaned, and carbon within filters 1-4 changed by Op-Tech; unable to re-start system due to frozen effluent piping.										
GWT system effluent piping replaced and system re-started.										
12/30/02										
1/7/03	0905	1297680	119,310	983460	79,510	1,091.3	74	60.9	ND	198,820

ATTACHMENT B

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	RW-1	Δ	WP-5D	Δ	RW-1 Inf.	WP-5D Inf.	AS Discharge (Pre-Carbon)	Final Discharge (OUTFALL 001A)	Cumulative Gallons (RW-1 and WP-5D)	
1/14/03	1647	1363910	185,540	1026750	122,800	399	65	144.1	15.5	308,340	
1/22/03	1410	1427180	248,810	1068380	164,430	1,120.6	77	363.8	38.3	413,240	
1/27/03	1615	1462600	284,230	1091610	187,660	799	65	282.1	39.8	471,890	
02/03/03		Air stripper dismantled and cleaned, and carbon in filters 1,2,3 and 4 changed (by Op-Tech).									
2/04/03	1707	1511070	NA	1123840	NA	718.1	72	73.1	ND	NA	
2/11/03	1525	1543920	32,850	1147150	23,310	1,329.5	70	45	8.5	56,160	
2/20/03	1550	1607960	96,890	1190810	66,970	858	72	5.6	ND	163,860	
2/27/03	0842	1653430	142,360	1222500	98,660	1,187.7	82	2.2	ND	241,020	
3/7/03	0807	1697690	186,620	1256640	132,800	1,092.8	68	16.5	1.2	319,420	
3/13/03	1155	1697710**	UNK**	1279290	155,450	769.4	66	116.1	15.7	UNK**	
3/19/03	0938	72245	UNK**	1321947	198,107	960.2	72	85.9	38	UNK**	
3/31/03		Air stripper shut down for cleaning.									
4/04/03	1512	148120	NA	1369510	NA	515.4	53	ND	ND	NA	
4/10/03	1104	236050	87,930	1417227	47,717	785.4	51	ND	ND	135,647	
4/15/03	1105	313060	164,940	1417227	NA	628.4	59	ND	ND	164,940	
4/23/03	1000	430810	282,690	1417227	NA	304.3	66	ND	ND	282,690	
4/30/03	1030	531876	383,756	1417589	48,079	668.7	69	ND	ND	431,835	
5/07/03	1055	631080	482,960	1480660	111,150	896.8	83	ND	ND	594,110	
5/13/03	937	711960	563,840	1533430	163,920	736.7	101	ND	ND	727,760	
5/20/03	1505	809620	661,500	1596070	226,560	504.8	77	1.4	1.6	888,060	
5/28/03	0944	917270	769,150	1663150	293,640	Results Pending					1,062,790

NOTES:

-Δ indicates number of gallons recovered from respective well since the air stripper was last cleaned.

-N/R=Not Recorded

-ND=None Detected

NA=Not Applicable

ppb=Pars per billion (ug/L)

-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.

Attachment C

Laboratory Analysis Results and Chain of Custody Documentation



Timothy DiGiulio
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Phone: (315) 426-7519
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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: 0305968

Receive Date/Time: 04/30/03 12:12 by: RD

"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

Timothy DiGiulio 05-14-03

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A copy of this report was sent to: **Nevin Bradford**
SEM

Page 1 of 7

Date Printed: 5/13/03

- - LABORATORY ANALYSIS REPORT - -

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

Sample ID:	Influent-WP-5D	LSL Sample ID:	0305968-001
Location:	NES, Canastota		
Sampled:	04/30/03 10:52	Sampled By:	MG
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(I) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		5/11/03	BD
Chlorobenzene	<1	ug/l		5/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/11/03	BD
Ethyl benzene	<1	ug/l		5/11/03	BD
MTBE	<1	ug/l		5/11/03	BD
Toluene	<1	ug/l		5/11/03	BD
Xylenes (Total)	<1	ug/l		5/11/03	BD
t-Butyl alcohol	<200	ug/l		5/11/03	BD
Surrogate (1,2-DCA-d4)	105	%R		5/11/03	BD
Surrogate (Tol-d8)	90	%R		5/11/03	BD
Surrogate (4-BFB)	92	%R		5/11/03	BD
(I) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/11/03	BD
Bromoform	<1	ug/l		5/11/03	BD
Bromomethane	<1	ug/l		5/11/03	BD
Carbon tetrachloride	<1	ug/l		5/11/03	BD
Chlorobenzene	<1	ug/l		5/11/03	BD
Chloroethane	14	ug/l		5/11/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/11/03	BD
Chloroform	<1	ug/l		5/11/03	BD
Chloromethane	<1	ug/l		5/11/03	BD
Dibromochloromethane	<1	ug/l		5/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/11/03	BD
Dichlorodifluoromethane	<1	ug/l		5/11/03	BD
1,1-Dichloroethane	<1	ug/l		5/11/03	BD
1,2-Dichloroethane	<1	ug/l		5/11/03	BD
1,1-Dichloroethene	<1	ug/l		5/11/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/11/03	BD
1,2-Dichloropropane	<1	ug/l		5/11/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/11/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/11/03	BD
Methylene chloride	<1	ug/l		5/11/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/11/03	BD
Tetrachloroethene	<1	ug/l		5/11/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/11/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/11/03	BD
Trichloroethene	<1	ug/l		5/11/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/11/03	BD
Vinyl chloride	55	ug/l		5/11/03	BD
Surrogate (1,2-DCA-d4)	105	%R		5/11/03	BD
Surrogate (Tol-d8)	90	%R		5/11/03	BD
Surrogate (4-BFB)	92	%R		5/11/03	BD

- - LABORATORY ANALYSIS REPORT - -

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

Sample ID:	Influent RW-1	LSL Sample ID:	0305968-002
Location:	NES, Canastota		
Sampled:	04/30/03 10:56	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	<5	ug/l		5/11/03	BD
Chlorobenzene	<5	ug/l		5/11/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/11/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/11/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/11/03	BD
Ethyl benzene	14	ug/l		5/11/03	BD
MTBE	<5	ug/l		5/11/03	BD
Toluene	250	ug/l		5/11/03	BD
Xylenes (Total)	76	ug/l		5/11/03	BD
t-Butyl alcohol	<1000	ug/l		5/11/03	BD
Surrogate (1,2-DCA-d4)	111	%R		5/11/03	BD
Surrogate (Tol-d8)	88	%R		5/11/03	BD
Surrogate (4-BFB)	89	%R		5/11/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		5/11/03	BD
Bromoform	<5	ug/l		5/11/03	BD
Bromomethane	<5	ug/l		5/11/03	BD
Carbon tetrachloride	<5	ug/l		5/11/03	BD
Chlorobenzene	<5	ug/l		5/11/03	BD
Chloroethane	<5	ug/l		5/11/03	BD
2-Chloroethylvinyl ether	<50	ug/l		5/11/03	BD
Chloroform	<5	ug/l		5/11/03	BD
Chloromethane	<5	ug/l		5/11/03	BD
Dibromochloromethane	<5	ug/l		5/11/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/11/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/11/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/11/03	BD
Dichlorodifluoromethane	<5	ug/l		5/11/03	BD
1,1-Dichloroethane	77	ug/l		5/11/03	BD
1,2-Dichloroethane	<5	ug/l		5/11/03	BD
1,1-Dichloroethene	7.2	ug/l		5/11/03	BD
trans-1,2-Dichloroethene	5.5	ug/l		5/11/03	BD
1,2-Dichloropropane	<5	ug/l		5/11/03	BD
cis-1,3-Dichloropropene	<5	ug/l		5/11/03	BD
trans-1,3-Dichloropropene	<5	ug/l		5/11/03	BD
Methylene chloride	<5	ug/l		5/11/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		5/11/03	BD
Tetrachloroethene	<5	ug/l		5/11/03	BD
1,1,1-Trichloroethane	55	ug/l		5/11/03	BD
1,1,2-Trichloroethane	<5	ug/l		5/11/03	BD
Trichloroethene	74	ug/l		5/11/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		5/11/03	BD
Vinyl chloride	110	ug/l		5/11/03	BD
Surrogate (1,2-DCA-d4)	111	%R		5/11/03	BD
Surrogate (Tol-d8)	88	%R		5/11/03	BD
Surrogate (4-BFB)	89	%R		5/11/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID:	Post-Air Stripper (Pre-Carbon)	LSL Sample ID:	0305968-003
Location:	NES, Canastota		
Sampled:	04/30/03 10:45	Sampled By:	MG
Sample Matrix:	NPW		

Analytical Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units	

(I) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA

Benzene	<1	ug/l	5/11/03	BD
Chlorobenzene	<1	ug/l	5/11/03	BD
1,2-Dichlorobenzene	<1	ug/l	5/11/03	BD
1,3-Dichlorobenzene	<1	ug/l	5/11/03	BD
1,4-Dichlorobenzene	<1	ug/l	5/11/03	BD
Ethyl benzene	<1	ug/l	5/11/03	BD
MTBE	<1	ug/l	5/11/03	BD
Toluene	<1	ug/l	5/11/03	BD
Xylenes (Total)	<1	ug/l	5/11/03	BD
t-Butyl alcohol	<200	ug/l	5/11/03	BD
Surrogate (1,2-DCA-d4)	111	%R	5/11/03	BD
Surrogate (Tol-d8)	88	%R	5/11/03	BD
Surrogate (4-BFB)	89	%R	5/11/03	BD

(I) ITEM #GW-02- , EPA 601 Vol.

Bromodichloromethane	<1	ug/l	5/11/03	BD
Bromoform	<1	ug/l	5/11/03	BD
Bromomethane	<1	ug/l	5/11/03	BD
Carbon tetrachloride	<1	ug/l	5/11/03	BD
Chlorobenzene	<1	ug/l	5/11/03	BD
Chloroethane	<1	ug/l	5/11/03	BD
2-Chloroethylvinyl ether	<10	ug/l	5/11/03	BD
Chloroform	<1	ug/l	5/11/03	BD
Chloromethane	<1	ug/l	5/11/03	BD
Dibromochloromethane	<1	ug/l	5/11/03	BD
1,2-Dichlorobenzene	<1	ug/l	5/11/03	BD
1,3-Dichlorobenzene	<1	ug/l	5/11/03	BD
1,4-Dichlorobenzene	<1	ug/l	5/11/03	BD
Dichlorodifluoromethane	<1	ug/l	5/11/03	BD
1,1-Dichloroethane	<1	ug/l	5/11/03	BD
1,2-Dichloroethane	<1	ug/l	5/11/03	BD
1,1-Dichloroethene	<1	ug/l	5/11/03	BD
trans-1,2-Dichloroethene	<1	ug/l	5/11/03	BD
1,2-Dichloropropane	<1	ug/l	5/11/03	BD
cis-1,3-Dichloropropene	<1	ug/l	5/11/03	BD
trans-1,3-Dichloropropene	<1	ug/l	5/11/03	BD
Methylene chloride	<1	ug/l	5/11/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l	5/11/03	BD
Tetrachloroethene	<1	ug/l	5/11/03	BD
1,1,1-Trichloroethane	<1	ug/l	5/11/03	BD
1,1,2-Trichloroethane	<1	ug/l	5/11/03	BD
Trichloroethene	<1	ug/l	5/11/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l	5/11/03	BD
Vinyl chloride	<1	ug/l	5/11/03	BD
Surrogate (1,2-DCA-d4)	111	%R	5/11/03	BD
Surrogate (Tol-d8)	88	%R	5/11/03	BD
Surrogate (4-BFB)	89	%R	5/11/03	BD

- - LABORATORY ANALYSIS REPORT - -

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

Sample ID:	Final GWT System Discharge (Outfall 01A)	LSL Sample ID:	0305968-004
Location:	NES, Canastota		
Sampled:	04/30/03 10:35	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		5/11/03	BD
Chlorobenzene	<1	ug/l		5/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/11/03	BD
Ethyl benzene	<1	ug/l		5/11/03	BD
MTBE	<1	ug/l		5/11/03	BD
Toluene	<1	ug/l		5/11/03	BD
Xylenes (Total)	<1	ug/l		5/11/03	BD
t-Butyl alcohol	<200	ug/l		5/11/03	BD
Surrogate (1,2-DCA-d4)	110	%R		5/11/03	BD
Surrogate (Tol-d8)	89	%R		5/11/03	BD
Surrogate (4-BFB)	90	%R		5/11/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/11/03	BD
Bromoform	<1	ug/l		5/11/03	BD
Bromomethane	<1	ug/l		5/11/03	BD
Carbon tetrachloride	<1	ug/l		5/11/03	BD
Chlorobenzene	<1	ug/l		5/11/03	BD
Chloroethane	<1	ug/l		5/11/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/11/03	BD
Chloroform	<1	ug/l		5/11/03	BD
Chloromethane	<1	ug/l		5/11/03	BD
Dibromochloromethane	<1	ug/l		5/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/11/03	BD
Dichlorodifluoromethane	<1	ug/l		5/11/03	BD
1,1-Dichloroethane	<1	ug/l		5/11/03	BD
1,2-Dichloroethane	<1	ug/l		5/11/03	BD
1,1-Dichloroethene	<1	ug/l		5/11/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/11/03	BD
1,2-Dichloropropane	<1	ug/l		5/11/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/11/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/11/03	BD
Methylene chloride	<1	ug/l		5/11/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/11/03	BD
Tetrachloroethene	<1	ug/l		5/11/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/11/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/11/03	BD
Trichloroethene	<1	ug/l		5/11/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/11/03	BD
Vinyl chloride	<1	ug/l		5/11/03	BD
Surrogate (1,2-DCA-d4)	110	%R		5/11/03	BD
Surrogate (Tol-d8)	89	%R		5/11/03	BD
Surrogate (4-BFB)	90	%R		5/11/03	BD

- - LABORATORY ANALYSIS REPORT - -

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

Sample ID: Final GWT System Discharge (Outfall 01A) LSL Sample ID: 0305968-004
Location: NES, Canastota
Sampled: 04/30/03 10:35 Sampled By: MG
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) ITEM #WT-25- ,EPA 150.1 pH					
pH	7.8	Std. units		4/30/03 17:00	RSD
pH Measurement Temperature	25	Degrees C		4/30/03 17:00	RSD

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:	0305968-005
Location:	NES, Canastota		
Sampled:	04/30/03 0:00	Sampled By:	
Sample Matrix:	TB		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		5/11/03	BD
Chlorobenzene	<1	ug/l		5/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/11/03	BD
Ethyl benzene	<1	ug/l		5/11/03	BD
MTBE	<1	ug/l		5/11/03	BD
Toluene	<1	ug/l		5/11/03	BD
Xylenes (Total)	<1	ug/l		5/11/03	BD
t-Butyl alcohol	<200	ug/l		5/11/03	BD
Surrogate (1,2-DCA-d4)	106	%R		5/11/03	BD
Surrogate (Tol-d8)	89	%R		5/11/03	BD
Surrogate (4-BFB)	92	%R		5/11/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/11/03	BD
Bromoform	<1	ug/l		5/11/03	BD
Bromomethane	<1	ug/l		5/11/03	BD
Carbon tetrachloride	<1	ug/l		5/11/03	BD
Chlorobenzene	<1	ug/l		5/11/03	BD
Chloroethane	<1	ug/l		5/11/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/11/03	BD
Chloroform	<1	ug/l		5/11/03	BD
Chloromethane	<1	ug/l		5/11/03	BD
Dibromochloromethane	<1	ug/l		5/11/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/11/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/11/03	BD
Dichlorodifluoromethane	<1	ug/l		5/11/03	BD
1,1-Dichloroethane	<1	ug/l		5/11/03	BD
1,2-Dichloroethane	<1	ug/l		5/11/03	BD
1,1-Dichloroethene	<1	ug/l		5/11/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/11/03	BD
1,2-Dichloropropane	<1	ug/l		5/11/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/11/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/11/03	BD
Methylene chloride	<1	ug/l		5/11/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/11/03	BD
Tetrachloroethene	<1	ug/l		5/11/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/11/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/11/03	BD
Trichloroethene	<1	ug/l		5/11/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/11/03	BD
Vinyl chloride	<1	ug/l		5/11/03	BD
Surrogate (1,2-DCA-d4)	106	%R		5/11/03	BD
Surrogate (Tol-d8)	89	%R		5/11/03	BD
Surrogate (4-BFB)	92	%R		5/11/03	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

0305968
NYSDEC7SyrCR

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SEM Project Number: 3003.0050

SEM Contact Person: Nevin Bradford

Project Location: Canastota, New York

Laboratory: Life Science Laboratories

Report and Invoice Address: Timothy DiGiulio, P.E.
NYSDEC Region 7

Project Identification: NES NYSDEC Spill No. 01-60024/Pin # H-0529

Page 1 of 1

Parameters

Notes/Comments

Copy of Report to: Nevin Bradford
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225 1/2 Water Street
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[illegible]



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

Contract Number: C200209

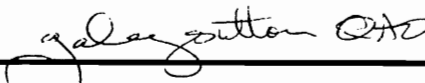
NYS DEC Spill #: 01-60024

NYS DEC Pin #: H-0529

LSL Project ID: 0306365

Receive Date/Time: 05/07/03 12:37 by: TO

"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** 5-20-03
Date

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-- LABORATORY ANALYSIS REPORT --

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

Sample ID:	Influent-WP-5D	LSL Sample ID:	0306365-001
Location:	NES		
Sampled:	05/07/03 10:35	Sampled By:	MG
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
<i>(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA</i>					
Benzene	<1	ug/l		5/17/03	BD
Chlorobenzene	<1	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/17/03	BD
Ethyl benzene	<1	ug/l		5/17/03	BD
MTBE	<1	ug/l		5/17/03	BD
Toluene	<1	ug/l		5/17/03	BD
Xylenes (Total)	<1	ug/l		5/17/03	BD
t-Butyl alcohol	<200	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	93	%R		5/17/03	BD
Surrogate (Tol-d8)	92	%R		5/17/03	BD
Surrogate (4-BFB)	89	%R		5/17/03	BD
<i>(1) ITEM #GW-02- , EPA 601 Vol.</i>					
Bromodichloromethane	<1	ug/l		5/17/03	BD
Bromoform	<1	ug/l		5/17/03	BD
Bromomethane	<1	ug/l		5/17/03	BD
Carbon tetrachloride	<1	ug/l		5/17/03	BD
Chlorobenzene	<1	ug/l		5/17/03	BD
Chloroethane	14	ug/l		5/17/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/17/03	BD
Chloroform	<1	ug/l		5/17/03	BD
Chloromethane	<1	ug/l		5/17/03	BD
Dibromochloromethane	<1	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/17/03	BD
Dichlorodifluoromethane	<1	ug/l		5/17/03	BD
1,1-Dichloroethane	<1	ug/l		5/17/03	BD
1,2-Dichloroethane	<1	ug/l		5/17/03	BD
1,1-Dichloroethene	<1	ug/l		5/17/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/17/03	BD
1,2-Dichloropropane	<1	ug/l		5/17/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/17/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/17/03	BD
Methylene chloride	<1	ug/l		5/17/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/17/03	BD
Tetrachloroethene	<1	ug/l		5/17/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/17/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/17/03	BD
Trichloroethene	<1	ug/l		5/17/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/17/03	BD
Vinyl chloride	69	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	93	%R		5/17/03	BD
Surrogate (Tol-d8)	92	%R		5/17/03	BD
Surrogate (4-BFB)	89	%R		5/17/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID:	Influent RW-1	LSL Sample ID:	0306365-002
Location:	NES		
Sampled:	05/07/03 10:38	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	<5	ug/l		5/17/03	BD
Chlorobenzene	<5	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/17/03	BD
Ethyl benzene	26	ug/l		5/17/03	BD
MTBE	<5	ug/l		5/17/03	BD
Toluene	420	ug/l		5/17/03	BD
Xylenes (Total)	120	ug/l		5/17/03	BD
t-Butyl alcohol	<1000	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	98	%R		5/17/03	BD
Surrogate (Tol-d8)	91	%R		5/17/03	BD
Surrogate (4-BFB)	95	%R		5/17/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		5/17/03	BD
Bromoform	<5	ug/l		5/17/03	BD
Bromomethane	<5	ug/l		5/17/03	BD
Carbon tetrachloride	<5	ug/l		5/17/03	BD
Chlorobenzene	<5	ug/l		5/17/03	BD
Chloroethane	<5	ug/l		5/17/03	BD
2-Chloroethylvinyl ether	<50	ug/l		5/17/03	BD
Chloroform	<5	ug/l		5/17/03	BD
Chloromethane	<5	ug/l		5/17/03	BD
Dibromochloromethane	<5	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/17/03	BD
Dichlorodifluoromethane	<5	ug/l		5/17/03	BD
1,1-Dichloroethane	77	ug/l		5/17/03	BD
1,2-Dichloroethane	<5	ug/l		5/17/03	BD
1,1-Dichloroethene	6.6	ug/l		5/17/03	BD
trans-1,2-Dichloroethene	5.2	ug/l		5/17/03	BD
1,2-Dichloropropane	<5	ug/l		5/17/03	BD
cis-1,3-Dichloropropene	<5	ug/l		5/17/03	BD
trans-1,3-Dichloropropene	<5	ug/l		5/17/03	BD
Methylene chloride	<5	ug/l		5/17/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		5/17/03	BD
Tetrachloroethene	<5	ug/l		5/17/03	BD
1,1,1-Trichloroethane	46	ug/l		5/17/03	BD
1,1,2-Trichloroethane	<5	ug/l		5/17/03	BD
Trichloroethene	66	ug/l		5/17/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		5/17/03	BD
Vinyl chloride	130	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	98	%R		5/17/03	BD
Surrogate (Tol-d8)	91	%R		5/17/03	BD
Surrogate (4-BFB)	95	%R		5/17/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID:	Post-Air Stripper (Pre-Carbon)	LSL Sample ID:	0306365-003
Location:	NES		
Sampled:	05/07/03 10:42	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		5/17/03	BD
Chlorobenzene	<1	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/17/03	BD
Ethyl benzene	<1	ug/l		5/17/03	BD
MTBE	<1	ug/l		5/17/03	BD
Toluene	<1	ug/l		5/17/03	BD
Xylenes (Total)	<1	ug/l		5/17/03	BD
t-Butyl alcohol	<200	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	95	%R		5/17/03	BD
Surrogate (Tol-d8)	89	%R		5/17/03	BD
Surrogate (4-BFB)	91	%R		5/17/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/17/03	BD
Bromoform	<1	ug/l		5/17/03	BD
Bromomethane	<1	ug/l		5/17/03	BD
Carbon tetrachloride	<1	ug/l		5/17/03	BD
Chlorobenzene	<1	ug/l		5/17/03	BD
Chloroethane	<1	ug/l		5/17/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/17/03	BD
Chloroform	<1	ug/l		5/17/03	BD
Chloromethane	<1	ug/l		5/17/03	BD
Dibromochloromethane	<1	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/17/03	BD
Dichlorodifluoromethane	<1	ug/l		5/17/03	BD
1,1-Dichloroethane	<1	ug/l		5/17/03	BD
1,2-Dichloroethane	<1	ug/l		5/17/03	BD
1,1-Dichloroethene	<1	ug/l		5/17/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/17/03	BD
1,2-Dichloropropane	<1	ug/l		5/17/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/17/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/17/03	BD
Methylene chloride	<1	ug/l		5/17/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/17/03	BD
Tetrachloroethene	<1	ug/l		5/17/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/17/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/17/03	BD
Trichloroethene	<1	ug/l		5/17/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/17/03	BD
Vinyl chloride	<1	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	95	%R		5/17/03	BD
Surrogate (Tol-d8)	89	%R		5/17/03	BD
Surrogate (4-BFB)	91	%R		5/17/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID:	Final GWT System Discharge (Outfall 01A)	LSL Sample ID:	0306365-004
Location:	NES		
Sampled:	05/07/03 10:47	Sampled By:	MG
Sample Matrix: NPW			

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
<i>(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA</i>					
Benzene	<1	ug/l		5/17/03	BD
Chlorobenzene	<1	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/17/03	BD
Ethyl benzene	<1	ug/l		5/17/03	BD
MTBE	<1	ug/l		5/17/03	BD
Toluene	<1	ug/l		5/17/03	BD
Xylenes (Total)	<1	ug/l		5/17/03	BD
t-Butyl alcohol	<200	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	96	%R		5/17/03	BD
Surrogate (Tol-d8)	92	%R		5/17/03	BD
Surrogate (4-BFB)	92	%R		5/17/03	BD
<i>(1) ITEM #GW-02- , EPA 601 Vol.</i>					
Bromodichloromethane	<1	ug/l		5/17/03	BD
Bromoform	<1	ug/l		5/17/03	BD
Bromomethane	<1	ug/l		5/17/03	BD
Carbon tetrachloride	<1	ug/l		5/17/03	BD
Chlorobenzene	<1	ug/l		5/17/03	BD
Chloroethane	<1	ug/l		5/17/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/17/03	BD
Chloroform	<1	ug/l		5/17/03	BD
Chloromethane	<1	ug/l		5/17/03	BD
Dibromochloromethane	<1	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/17/03	BD
Dichlorodifluoromethane	<1	ug/l		5/17/03	BD
1,1-Dichloroethane	<1	ug/l		5/17/03	BD
1,2-Dichloroethane	<1	ug/l		5/17/03	BD
1,1-Dichloroethene	<1	ug/l		5/17/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/17/03	BD
1,2-Dichloropropane	<1	ug/l		5/17/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/17/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/17/03	BD
Methylene chloride	<1	ug/l		5/17/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/17/03	BD
Tetrachloroethene	<1	ug/l		5/17/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/17/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/17/03	BD
Trichloroethene	<1	ug/l		5/17/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/17/03	BD
Vinyl chloride	<1	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	96	%R		5/17/03	BD
Surrogate (Tol-d8)	92	%R		5/17/03	BD
Surrogate (4-BFB)	92	%R		5/17/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID:	Trip Blank	LSL Sample ID:	0306365-005
Location:	NES		
Sampled:	05/07/03 0:00	Sampled By:	
Sample Matrix:	TB		

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		5/17/03	BD
Chlorobenzene	<1	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/17/03	BD
Ethyl benzene	<1	ug/l		5/17/03	BD
MTBE	<1	ug/l		5/17/03	BD
Toluene	<1	ug/l		5/17/03	BD
Xylenes (Total)	<1	ug/l		5/17/03	BD
t-Butyl alcohol	<200	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	101	%R		5/17/03	BD
Surrogate (Tol-d8)	91	%R		5/17/03	BD
Surrogate (4-BFB)	92	%R		5/17/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/17/03	BD
Bromoform	<1	ug/l		5/17/03	BD
Bromomethane	<1	ug/l		5/17/03	BD
Carbon tetrachloride	<1	ug/l		5/17/03	BD
Chlorobenzene	<1	ug/l		5/17/03	BD
Chloroethane	<1	ug/l		5/17/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/17/03	BD
Chloroform	<1	ug/l		5/17/03	BD
Chloromethane	<1	ug/l		5/17/03	BD
Dibromochloromethane	<1	ug/l		5/17/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/17/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/17/03	BD
Dichlorodifluoromethane	<1	ug/l		5/17/03	BD
1,1-Dichloroethane	<1	ug/l		5/17/03	BD
1,2-Dichloroethane	<1	ug/l		5/17/03	BD
1,1-Dichloroethene	<1	ug/l		5/17/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/17/03	BD
1,2-Dichloropropane	<1	ug/l		5/17/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/17/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/17/03	BD
Methylene chloride	<1	ug/l		5/17/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/17/03	BD
Tetrachloroethene	<1	ug/l		5/17/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/17/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/17/03	BD
Trichloroethene	<1	ug/l		5/17/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/17/03	BD
Vinyl chloride	<1	ug/l		5/17/03	BD
Surrogate (1,2-DCA-d4)	101	%R		5/17/03	BD
Surrogate (Tol-d8)	91	%R		5/17/03	BD
Surrogate (4-BFB)	92	%R		5/17/03	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
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STRATEGIC ENVIRONMENTAL MANAGEMENT, INC.

SAMPLE CUSTODY RECORD

0306365
SEM_Bville

BALDWINSVILLE OFFICE 25 1/2 Water Street Baldwinville, New York 13027 Telephone: (315) 635-8936 Facsimile: (315) 635-2380			SEM Project Number: 3003.0050 SEM Contact Person: Nevin Bradford Project Location: Canastota, New York			CANTON OFFICE 3 Remington Avenue, Suite D Canton, New York 13617 Telephone: (315) 386-2736 Facsimile: (315) 386-4736					
Laboratory: Life Science Laboratories NES NYSDDEC Spill No. 01-60024/Pin # H-0529 Timothy DiGiulio, P.E. NYSDDEC Region 7 615 Erie Boulevard W. Syracuse, NY 13202 Phone: 315-426-7471			Report and Invoice Address:			Parameters EPA Method 601 + 602			Notes/Comments Copy of Report to: Nevin Bradford Strategic Environmental Mngt. 25 1/2 Water Street Baldwinsville, New York 13027		
Client's Sample Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives	Sample Matrix				
WP50	5/1/03	1035	Influent-WP-5D	2	G	HCL	NPW	001 AB			
RW1		1038	Influent RW-1					002			
PUST AS		1042	Post-Air Stripper (Pre-Carbon)					003			
OUTFALL QIP		1047	Final GWT System Discharge (Outfall 01A)					004			
TB		1044	Trip Blank					005 V			
								* Called NYSDDEC, spoke to Tim D. about the temp. of samples upon receipt he said to run samples.			
								Sample Custody			
SAMPLE COLLECTION Name: MARK N. GRAVES Signature: Mark N. Graves Sample TAT: Normal 14 Day				RELINQUISH SAMPLE CUSTODY Name: MARK N. GRAVES Signature: Mark N. Graves				ACCEPT AND RECEIVE SAMPLE CUSTODY Name: _____ Signature: _____ Laboratory: _____ Signature: _____			
Date: 5/1/03 Time: 1035				Date: 5/1/03 Time: 1035				Date: 05-07-03 Time: 14:28			



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

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: 0306797

Receive Date/Time: 05/13/03 16:29 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."

Jill McCoy, QCC 05-27-03
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:	Trip Blank	LSL Sample ID:	0306797-001
Location:	NES		
Sampled:	05/13/03 0:00	Sampled By:	
Sample Matrix:	TB		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
<i>(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA</i>					
Benzene	<1	ug/l		5/23/03	BD
Chlorobenzene	<1	ug/l		5/23/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/23/03	BD
Ethyl benzene	<1	ug/l		5/23/03	BD
MTBE	<1	ug/l		5/23/03	BD
Toluene	<1	ug/l		5/23/03	BD
Xylenes (Total)	<1	ug/l		5/23/03	BD
t-Butyl alcohol	<200	ug/l		5/23/03	BD
Surrogate (1,2-DCA-d4)	108	%R		5/23/03	BD
Surrogate (Tol-d8)	93	%R		5/23/03	BD
Surrogate (4-BFB)	97	%R		5/23/03	BD
<i>(1) ITEM #GW-02- , EPA 601 Vol.</i>					
Bromodichloromethane	<1	ug/l		5/23/03	BD
Bromoform	<1	ug/l		5/23/03	BD
Bromomethane	<1	ug/l		5/23/03	BD
Carbon tetrachloride	<1	ug/l		5/23/03	BD
Chlorobenzene	<1	ug/l		5/23/03	BD
Chloroethane	<1	ug/l		5/23/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/23/03	BD
Chloroform	<1	ug/l		5/23/03	BD
Chloromethane	<1	ug/l		5/23/03	BD
Dibromochloromethane	<1	ug/l		5/23/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/23/03	BD
Dichlorodifluoromethane	<1	ug/l		5/23/03	BD
1,1-Dichloroethane	<1	ug/l		5/23/03	BD
1,2-Dichloroethane	<1	ug/l		5/23/03	BD
1,1-Dichloroethene	<1	ug/l		5/23/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/23/03	BD
1,2-Dichloropropane	<1	ug/l		5/23/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/23/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/23/03	BD
Methylene chloride	<1	ug/l		5/23/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/23/03	BD
Tetrachloroethene	<1	ug/l		5/23/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/23/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/23/03	BD
Trichloroethene	<1	ug/l		5/23/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/23/03	BD
Vinyl chloride	<1	ug/l		5/23/03	BD
Surrogate (1,2-DCA-d4)	108	%R		5/23/03	BD
Surrogate (Tol-d8)	93	%R		5/23/03	BD
Surrogate (4-BFB)	97	%R		5/23/03	BD

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

Sample ID:	Trip Blank	LSL Sample ID:	0306797-001
Location:	NES		
Sampled:	05/13/03 0:00	Sampled By:	
Sample Matrix:	TB		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) ITEM #SS-08- , EPA 8021A Vol. + MTBE					
Benzene	<1	ug/l		5/23/03	BD
Bromobenzene	<1	ug/l		5/23/03	BD
Bromochloromethane	<1	ug/l		5/23/03	BD
Bromodichloromethane	<1	ug/l		5/23/03	BD
Bromoform	<1	ug/l		5/23/03	BD
Bromomethane	<1	ug/l		5/23/03	BD
n-Butylbenzene	<1	ug/l		5/23/03	BD
sec-Butylbenzene	<1	ug/l		5/23/03	BD
tert-Butylbenzene	<1	ug/l		5/23/03	BD
Carbon tetrachloride	<1	ug/l		5/23/03	BD
Chlorobenzene	<1	ug/l		5/23/03	BD
Chloroethane	<1	ug/l		5/23/03	BD
Chloroform	<1	ug/l		5/23/03	BD
Chloromethane	<1	ug/l		5/23/03	BD
2-Chlorotoluene	<1	ug/l		5/23/03	BD
4-Chlorotoluene	<1	ug/l		5/23/03	BD
Dibromochloromethane	<1	ug/l		5/23/03	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		5/23/03	BD
1,2-Dibromoethane(EDB)	<1	ug/l		5/23/03	BD
Dibromomethane	<1	ug/l		5/23/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/23/03	BD
Dichlorodifluoromethane	<1	ug/l		5/23/03	BD
1,1-Dichloroethane	<1	ug/l		5/23/03	BD
1,2-Dichloroethane	<1	ug/l		5/23/03	BD
1,1-Dichloroethene	<1	ug/l		5/23/03	BD
cis-1,2-Dichloroethene	<1	ug/l		5/23/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/23/03	BD
1,2-Dichloropropane	<1	ug/l		5/23/03	BD
1,3-Dichloropropane	<1	ug/l		5/23/03	BD
2,2-Dichloropropane	<1	ug/l		5/23/03	BD
1,1-Dichloropropene	<1	ug/l		5/23/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/23/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/23/03	BD
Ethyl benzene	<1	ug/l		5/23/03	BD
Hexachlorobutadiene	<1	ug/l		5/23/03	BD
Isopropylbenzene (Cumene)	<1	ug/l		5/23/03	BD
4-Isopropyl toluene (Cymene)	<1	ug/l		5/23/03	BD
Methylene chloride	<1	ug/l		5/23/03	BD
Naphthalene	<1	ug/l		5/23/03	BD
N-Propylbenzene	<1	ug/l		5/23/03	BD
Styrene	<1	ug/l		5/23/03	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		5/23/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/23/03	BD
Tetrachloroethene	<1	ug/l		5/23/03	BD
Toluene	<1	ug/l		5/23/03	BD

-- LABORATORY ANALYSIS REPORT

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

Sample ID:	Trip Blank	LSL Sample ID:	0306797-001
Location:	NES		
Sampled:	05/13/03 0:00	Sampled By:	
Sample Matrix:	TB		

Analytical Method		Prep		Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) ITEM #SS-08- , EPA 8021A Vol. + MTBE					
1,2,3-Trichlorobenzene	<1	ug/l		5/23/03	BD
1,2,4-Trichlorobenzene	<1	ug/l		5/23/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/23/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/23/03	BD
Trichloroethene	<1	ug/l		5/23/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/23/03	BD
1,2,3-Trichloropropane	<1	ug/l		5/23/03	BD
1,2,4-Trimethylbenzene	<1	ug/l		5/23/03	BD
1,3,5-Trimethylbenzene	<1	ug/l		5/23/03	BD
Vinyl chloride	<1	ug/l		5/23/03	BD
Xylenes (Total)	<1	ug/l		5/23/03	BD
MTBE	<1	ug/l		5/23/03	BD
Surrogate (1,2-DCA-d4)	108	%R		5/23/03	BD
Surrogate (Tol-d8)	93	%R		5/23/03	BD
Surrogate (4-BFB)	97	%R		5/23/03	BD

LABORATORY ANALYSIS REPORT
New York State DEC - Region 7, ER Syracuse, NY

Sample ID:	RW1	LSL Sample ID:	0306797-002
Location:	NES		
Sampled:	05/13/03 8:45	Sampled By:	HB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
<i>(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA</i>					
Benzene	<5	ug/l		5/23/03	BD
Chlorobenzene	<5	ug/l		5/23/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/23/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/23/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/23/03	BD
Ethyl benzene	16	ug/l		5/23/03	BD
MTBE	<5	ug/l		5/23/03	BD
Toluene	310	ug/l		5/23/03	BD
Xylenes (Total)	78	ug/l		5/23/03	BD
t-Butyl alcohol	<1000	ug/l		5/23/03	BD
Surrogate (1,2-DCA-d4)	107	%R		5/23/03	BD
Surrogate (Tol-d8)	93	%R		5/23/03	BD
Surrogate (4-BFB)	100	%R		5/23/03	BD
<i>(1) ITEM #GW-02- , EPA 601 Vol.</i>					
Bromodichloromethane	<5	ug/l		5/23/03	BD
Bromoform	<5	ug/l		5/23/03	BD
Bromomethane	<5	ug/l		5/23/03	BD
Carbon tetrachloride	<5	ug/l		5/23/03	BD
Chlorobenzene	<5	ug/l		5/23/03	BD
Chloroethane	<5	ug/l		5/23/03	BD
2-Chloroethylvinyl ether	<50	ug/l		5/23/03	BD
Chloroform	<5	ug/l		5/23/03	BD
Chloromethane	<5	ug/l		5/23/03	BD
Dibromochloromethane	<5	ug/l		5/23/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/23/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/23/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/23/03	BD
Dichlorodifluoromethane	<5	ug/l		5/23/03	BD
1,1-Dichloroethane	67	ug/l		5/23/03	BD
1,2-Dichloroethane	<5	ug/l		5/23/03	BD
1,1-Dichloroethene	6.5	ug/l		5/23/03	BD
trans-1,2-Dichloroethene	5.2	ug/l		5/23/03	BD
1,2-Dichloropropane	<5	ug/l		5/23/03	BD
cis-1,3-Dichloropropene	<5	ug/l		5/23/03	BD
trans-1,3-Dichloropropene	<5	ug/l		5/23/03	BD
Methylene chloride	<5	ug/l		5/23/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		5/23/03	BD
Tetrachloroethene	<5	ug/l		5/23/03	BD
1,1,1-Trichloroethane	42	ug/l		5/23/03	BD
1,1,2-Trichloroethane	<5	ug/l		5/23/03	BD
Trichloroethene	62	ug/l		5/23/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		5/23/03	BD
Vinyl chloride	150	ug/l		5/23/03	BD
Surrogate (1,2-DCA-d4)	107	%R		5/23/03	BD
Surrogate (Tol-d8)	93	%R		5/23/03	BD
Surrogate (4-BFB)	100	%R		5/23/03	BD

LABORATORY ANALYSIS REPORT

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

Sample ID:	WP-5D	LSL Sample ID:	0306797-003
Location:	NES		
Sampled:	05/13/03 8:50	Sampled By:	HB
Sample Matrix:	NPW		

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials

(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA

Benzene	<1	ug/l	5/23/03	BD
Chlorobenzene	<1	ug/l	5/23/03	BD
1,2-Dichlorobenzene	<1	ug/l	5/23/03	BD
1,3-Dichlorobenzene	<1	ug/l	5/23/03	BD
1,4-Dichlorobenzene	<1	ug/l	5/23/03	BD
Ethyl benzene	<1	ug/l	5/23/03	BD
MTBE	<1	ug/l	5/23/03	BD
Toluene	<1	ug/l	5/23/03	BD
Xylenes (Total)	<1	ug/l	5/23/03	BD
t-Butyl alcohol	<200	ug/l	5/23/03	BD
Surrogate (1,2-DCA-d4)	109	%R	5/23/03	BD
Surrogate (Tol-d8)	90	%R	5/23/03	BD
Surrogate (4-BFB)	100	%R	5/23/03	BD

(1) ITEM #GW-02- , EPA 601 Vol.

Bromodichloromethane	<1	ug/l	5/23/03	BD
Bromoform	<1	ug/l	5/23/03	BD
Bromomethane	<1	ug/l	5/23/03	BD
Carbon tetrachloride	<1	ug/l	5/23/03	BD
Chlorobenzene	<1	ug/l	5/23/03	BD
Chloroethane	20	ug/l	5/23/03	BD
2-Chloroethylvinyl ether	<10	ug/l	5/23/03	BD
Chloroform	<1	ug/l	5/23/03	BD
Chloromethane	<1	ug/l	5/23/03	BD
Dibromochloromethane	<1	ug/l	5/23/03	BD
1,2-Dichlorobenzene	<1	ug/l	5/23/03	BD
1,3-Dichlorobenzene	<1	ug/l	5/23/03	BD
1,4-Dichlorobenzene	<1	ug/l	5/23/03	BD
Dichlorodifluoromethane	<1	ug/l	5/23/03	BD
1,1-Dichloroethane	<1	ug/l	5/23/03	BD
1,2-Dichloroethane	<1	ug/l	5/23/03	BD
1,1-Dichloroethene	<1	ug/l	5/23/03	BD
trans-1,2-Dichloroethene	<1	ug/l	5/23/03	BD
1,2-Dichloropropane	<1	ug/l	5/23/03	BD
cis-1,3-Dichloropropene	<1	ug/l	5/23/03	BD
trans-1,3-Dichloropropene	<1	ug/l	5/23/03	BD
Methylene chloride	<1	ug/l	5/23/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l	5/23/03	BD
Tetrachloroethene	<1	ug/l	5/23/03	BD
1,1,1-Trichloroethane	<1	ug/l	5/23/03	BD
1,1,2-Trichloroethane	<1	ug/l	5/23/03	BD
Trichloroethene	<1	ug/l	5/23/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l	5/23/03	BD
Vinyl chloride	81	ug/l	5/23/03	BD
Surrogate (1,2-DCA-d4)	109	%R	5/23/03	BD
Surrogate (Tol-d8)	90	%R	5/23/03	BD
Surrogate (4-BFB)	100	%R	5/23/03	BD

-- LABORATORY ANALYSIS REPORT --

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

Sample ID:	SPDES Outfall 001	LSL Sample ID:	0306797-004
Location:	NES		
Sampled:	05/13/03 14:15	Sampled By:	HB
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		5/23/03	BD
Chlorobenzene	<1	ug/l		5/23/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/23/03	BD
Ethyl benzene	<1	ug/l		5/23/03	BD
MTBE	<1	ug/l		5/23/03	BD
Toluene	<1	ug/l		5/23/03	BD
Xylenes (Total)	<1	ug/l		5/23/03	BD
t-Butyl alcohol	<200	ug/l		5/23/03	BD
Surrogate (1,2-DCA-d4)	106	%R		5/23/03	BD
Surrogate (Tol-d8)	91	%R		5/23/03	BD
Surrogate (4-BFB)	95	%R		5/23/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/23/03	BD
Bromoform	<1	ug/l		5/23/03	BD
Bromomethane	<1	ug/l		5/23/03	BD
Carbon tetrachloride	<1	ug/l		5/23/03	BD
Chlorobenzene	<1	ug/l		5/23/03	BD
Chloroethane	<1	ug/l		5/23/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/23/03	BD
Chloroform	<1	ug/l		5/23/03	BD
Chloromethane	<1	ug/l		5/23/03	BD
Dibromochloromethane	<1	ug/l		5/23/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/23/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/23/03	BD
Dichlorodifluoromethane	<1	ug/l		5/23/03	BD
1,1-Dichloroethane	<1	ug/l		5/23/03	BD
1,2-Dichloroethane	<1	ug/l		5/23/03	BD
1,1-Dichloroethene	<1	ug/l		5/23/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/23/03	BD
1,2-Dichloropropane	<1	ug/l		5/23/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/23/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/23/03	BD
Methylene chloride	<1	ug/l		5/23/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/23/03	BD
Tetrachloroethene	<1	ug/l		5/23/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/23/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/23/03	BD
Trichloroethene	<1	ug/l		5/23/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/23/03	BD
Vinyl chloride	<1	ug/l		5/23/03	BD
Surrogate (1,2-DCA-d4)	106	%R		5/23/03	BD
Surrogate (Tol-d8)	91	%R		5/23/03	BD
Surrogate (4-BFB)	95	%R		5/23/03	BD



SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

8/14/02

Method	Surrogate(s)	Water Limits, %R	SHW Limits, %R
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 MANAGEMENT, INC.
SAMPLE CUSTODY RECORD

BALDWINSVILLE OFFICE 25 1/2 Water Street Baldwinsville, New York 13027 Telephone: (315) 635-8936 Facsimile: (315) 635-2380		SEM Project Number: 3003.050.05.03 SEM Contact Person: Nevin Bradford Project Location: NYSDEC Spill No. 01-60024 Pin No. H-0529		CANTON OFFICE 3 Remington Avenue, Suite D Canton, New York 13617 Telephone: (315) 386-2736 Facsimile: (315) 386-4736			
Laboratory: Life Science Laboratories		Facsimile Reports to: NONE		Parameters		Notes/Comments	
Project Identification:		Mail Reports to: See Notes		EPA Method 8021		Original Report and Invoice to: Timothy DiGiulio, P.E. NYSDEC Region 7 615 Erie Blvd. West Syracuse, NY 13202	
Page 1 of 2		Mail Invoice to: NYSEC-See Notes				Copy of Report to: Nevin Bradford SEM 25 1/2 Water St. Baldwinsville, NY 13027	
Laboratory Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives	Sample Matrix
001 AB	5/13/08	8:30	TRIP BLANK	2	Grab	HCL 4%	H ₂ O
002		8:45	A.W.1				
003		8:50	WP-5D				
004		14:15	SPODES OUTFALL 001				
005		14:30	WP-3S				
006		14:35	WP-3D				
007		14:40	WP-4S				
008		14:45	WP-4D				
009		14:50	WP-200D				
010		14:55	WP-2S				

SAMPLE COLLECTION		RELINQUISH SAMPLE CUSTODY		ACCEPT AND RECEIVE SAMPLE CUSTODY	
Name: HEAVY BRADFORD	Signature: Nevin Bradford	Name: Nevin Bradford	Signature: Nevin Bradford	Name: Nevin Bradford	Signature: Nevin Bradford
Sample TAT: STD		Time: 5/13/08	Date: 5/13/08	Time: 5/13/08	Date: 5/13/08

RCVI
58 on 1a

SAMPLE CUSTODY RECORD

CANTON OFFICE
33 Remington Avenue, Suite D
Canton, New York 13617
Telephone: (315) 386-2736
Facsimile: (315) 386-4736

Facsimile Reports to: NONE

Project Identification:

Mail Reports to: See Notes

Page 2 of 2

Mail Invoice to: NYSEC-See Notes

Sample Custody		Sample Custody		Sample Custody	
SAMPLE COLLECTION		RELINQUISH SAMPLE CUSTODY		ACCEPT AND RECEIVE SAMPLE CUSTODY	
Name: <u>HENRY BROADBENT</u>	Name: _____	Time: <u>16:29</u>	Name: _____	Time: _____	
Signature: <u>Henry Broadbent</u>	Signature: <u>Henry Broadbent</u>	Date: <u>5/13/13</u>	Signature: _____	Date: _____	
Sample TAT: <u>STD</u>	Name: _____	Time: _____	Laboratory: _____	Time: _____	
	Signature: _____	Date: _____	Signature: <u>[Signature]</u>	Date: <u>5-03-13</u>	

1. 4. 2013



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

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: 0306886

Receive Date/Time: 05/14/03 15:12 by: RD

"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."

gilmore, RCC
Reviewed By

05-28-03
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.

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A copy of this report was sent to: *Nevin Bradford*
SEM

Page 1 of 21
Date Printed: 5/28/03

- - LABORATORY ANALYSIS REPORT - -

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

Sample ID:	Trip Blank	LSL Sample ID:	0306886-001
Location:	NES		
Sampled:	05/14/03 0:00	Sampled By:	
Sample Matrix:	TB		

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials

(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA

Benzene	<1	ug/l		5/24/03	BD
Chlorobenzene	<1	ug/l		5/24/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/24/03	BD
Ethyl benzene	<1	ug/l		5/24/03	BD
MTBE	<1	ug/l		5/24/03	BD
Toluene	<1	ug/l		5/24/03	BD
Xylenes (Total)	<1	ug/l		5/24/03	BD
t-Butyl alcohol	<200	ug/l		5/24/03	BD
Surrogate (1,2-DCA-d4)	106	%R		5/24/03	BD
Surrogate (Tol-d8)	92	%R		5/24/03	BD
Surrogate (4-BFB)	99	%R		5/24/03	BD

(1) ITEM #GW-02- , EPA 601 Vol.

Bromodichloromethane	2.8	ug/l		5/24/03	BD
Bromoform	<1	ug/l		5/24/03	BD
Bromomethane	<1	ug/l		5/24/03	BD
Carbon tetrachloride	<1	ug/l		5/24/03	BD
Chlorobenzene	<1	ug/l		5/24/03	BD
Chloroethane	<1	ug/l		5/24/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/24/03	BD
Chloroform	4.3	ug/l		5/24/03	BD
Chloromethane	<1	ug/l		5/24/03	BD
Dibromochloromethane	<1	ug/l		5/24/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/24/03	BD
Dichlorodifluoromethane	<1	ug/l		5/24/03	BD
1,1-Dichloroethane	<1	ug/l		5/24/03	BD
1,2-Dichloroethane	<1	ug/l		5/24/03	BD
1,1-Dichloroethene	<1	ug/l		5/24/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/24/03	BD
1,2-Dichloropropane	<1	ug/l		5/24/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/24/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/24/03	BD
Methylene chloride	<1	ug/l		5/24/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/24/03	BD
Tetrachloroethene	<1	ug/l		5/24/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/24/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/24/03	BD
Trichloroethene	<1	ug/l		5/24/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/24/03	BD
Vinyl chloride	<1	ug/l		5/24/03	BD
Surrogate (1,2-DCA-d4)	106	%R		5/24/03	BD
Surrogate (Tol-d8)	92	%R		5/24/03	BD
Surrogate (4-BFB)	99	%R		5/24/03	BD

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Date Printed: 5/28/03

Analysis performed at NYS DOH ELAP Number: (1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369

- - LABORATORY ANALYSIS REPORT - -

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

Sample ID:	Trip Blank	LSL Sample ID:	0306886-001
Location:	NES		
Sampled:	05/14/03 0:00	Sampled By:	
Sample Matrix:	TB		

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) ITEM #SS-08- ,EPA 8021A, Volatiles					
Benzene	<1	ug/l		5/24/03	BD
Bromobenzene	<1	ug/l		5/24/03	BD
Bromochloromethane	<1	ug/l		5/24/03	BD
Bromodichloromethane	2.8	ug/l		5/24/03	BD
Bromoform	<1	ug/l		5/24/03	BD
Bromomethane	<1	ug/l		5/24/03	BD
n-Butylbenzene	<1	ug/l		5/24/03	BD
sec-Butylbenzene	<1	ug/l		5/24/03	BD
tert-Butylbenzene	<1	ug/l		5/24/03	BD
Carbon tetrachloride	<1	ug/l		5/24/03	BD
Chlorobenzene	<1	ug/l		5/24/03	BD
Chloroethane	<1	ug/l		5/24/03	BD
Chloroform	4.3	ug/l		5/24/03	BD
Chloromethane	<1	ug/l		5/24/03	BD
2-Chlorotoluene	<1	ug/l		5/24/03	BD
4-Chlorotoluene	<1	ug/l		5/24/03	BD
Dibromochloromethane	<1	ug/l		5/24/03	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		5/24/03	BD
1,2-Dibromoethane(EDB)	<1	ug/l		5/24/03	BD
Dibromomethane	<1	ug/l		5/24/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/24/03	BD
Dichlorodifluoromethane	<1	ug/l		5/24/03	BD
1,1-Dichloroethane	<1	ug/l		5/24/03	BD
1,2-Dichloroethane	<1	ug/l		5/24/03	BD
1,1-Dichloroethene	<1	ug/l		5/24/03	BD
cis-1,2-Dichloroethene	<1	ug/l		5/24/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/24/03	BD
1,2-Dichloropropane	<1	ug/l		5/24/03	BD
1,3-Dichloropropane	<1	ug/l		5/24/03	BD
2,2-Dichloropropane	<1	ug/l		5/24/03	BD
1,1-Dichloropropene	<1	ug/l		5/24/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/24/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/24/03	BD
Ethyl benzene	<1	ug/l		5/24/03	BD
Hexachlorobutadiene	<1	ug/l		5/24/03	BD
Isopropylbenzene (Cumene)	<1	ug/l		5/24/03	BD
4-Isopropyl toluene (Cymene)	<1	ug/l		5/24/03	BD
Methylene chloride	<1	ug/l		5/24/03	BD
Naphthalene	<1	ug/l		5/24/03	BD
N-Propylbenzene	<1	ug/l		5/24/03	BD
Styrene	<1	ug/l		5/24/03	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		5/24/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/24/03	BD
Tetrachloroethene	<1	ug/l		5/24/03	BD
Toluene	<1	ug/l		5/24/03	BD

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Date Printed: 5/28/03

Analysis performed at NYS DOH ELAP Number: (1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369

- - LABORATORY ANALYSIS REPORT - -

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

Sample ID: Trip Blank LSL Sample ID: 0306886-001
Location: NES
Sampled: 05/14/03 0:00 Sampled By:
Sample Matrix: TB

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) ITEM #SS-08- ,EPA 8021A, Volatiles					
1,2,3-Trichlorobenzene	<1	ug/l		5/24/03	BD
1,2,4-Trichlorobenzene	<1	ug/l		5/24/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/24/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/24/03	BD
Trichloroethene	<1	ug/l		5/24/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/24/03	BD
1,2,3-Trichloropropane	<1	ug/l		5/24/03	BD
1,2,4-Trimethylbenzene	<1	ug/l		5/24/03	BD
1,3,5-Trimethylbenzene	<1	ug/l		5/24/03	BD
Vinyl chloride	<1	ug/l		5/24/03	BD
Xylenes (Total)	<1	ug/l		5/24/03	BD
Surrogate (1,2-DCA-d4)	106	%R		5/24/03	BD
Surrogate (Tol-d8)	92	%R		5/24/03	BD
Surrogate (4-BFB)	99	%R		5/24/03	BD

- - LABORATORY ANALYSIS REPORT - -

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

Sample ID:	After Stripper	LSL Sample ID:	0306886-002
Location:	NES		
Sampled:	05/14/03 13:40	Sampled By:	HB
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		5/24/03	BD
Chlorobenzene	<1	ug/l		5/24/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/24/03	BD
Ethyl benzene	<1	ug/l		5/24/03	BD
MTBE	<1	ug/l		5/24/03	BD
Toluene	<1	ug/l		5/24/03	BD
Xylenes (Total)	<1	ug/l		5/24/03	BD
t-Butyl alcohol	<200	ug/l		5/24/03	BD
Surrogate (1,2-DCA-d4)	103	%R		5/24/03	BD
Surrogate (Tol-d8)	93	%R		5/24/03	BD
Surrogate (4-BFB)	97	%R		5/24/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/24/03	BD
Bromoform	<1	ug/l		5/24/03	BD
Bromomethane	<1	ug/l		5/24/03	BD
Carbon tetrachloride	<1	ug/l		5/24/03	BD
Chlorobenzene	<1	ug/l		5/24/03	BD
Chloroethane	<1	ug/l		5/24/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/24/03	BD
Chloroform	<1	ug/l		5/24/03	BD
Chloromethane	<1	ug/l		5/24/03	BD
Dibromochloromethane	<1	ug/l		5/24/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/24/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/24/03	BD
Dichlorodifluoromethane	<1	ug/l		5/24/03	BD
1,1-Dichloroethane	<1	ug/l		5/24/03	BD
1,2-Dichloroethane	<1	ug/l		5/24/03	BD
1,1-Dichloroethene	<1	ug/l		5/24/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/24/03	BD
1,2-Dichloropropane	<1	ug/l		5/24/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/24/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/24/03	BD
Methylene chloride	<1	ug/l		5/24/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/24/03	BD
Tetrachloroethene	<1	ug/l		5/24/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/24/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/24/03	BD
Trichloroethene	<1	ug/l		5/24/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/24/03	BD
Vinyl chloride	<1	ug/l		5/24/03	BD
Surrogate (1,2-DCA-d4)	103	%R		5/24/03	BD
Surrogate (Tol-d8)	93	%R		5/24/03	BD
Surrogate (4-BFB)	97	%R		5/24/03	BD

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Date Printed: 5/28/03

Analysis performed at NYS DOH ELAP Number: (1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369



LOW-LEVEL 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
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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: 0307200

Receive Date/Time: 05/21/03 9:34 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."

 Julian M. Orr
Reviewed By

 06-02-03
Date

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A copy of this report was sent to: Nevin Bradford
SEM

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Date Printed: 6/2/03

-- LABORATORY ANALYSIS REPORT --*New York State DEC - Region 7, ER Syracuse, NY*

Sample ID: Influent-WP-SD LSL Sample ID: 0307200-001
 Location: NES
 Sampled: 05/20/03 15:13 Sampled By: MG
 Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		5/28/03	BD
Chlorobenzene	<1	ug/l		5/28/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/28/03	BD
Ethyl benzene	<1	ug/l		5/28/03	BD
MTBE	<1	ug/l		5/28/03	BD
Toluene	<1	ug/l		5/28/03	BD
Xylenes (Total)	<1	ug/l		5/28/03	BD
t-Butyl alcohol	<200	ug/l		5/28/03	BD
Surrogate (1,2-DCA-d4)	107	%R		5/28/03	BD
Surrogate (Tol-d8)	89	%R		5/28/03	BD
Surrogate (4-BFB)	105	%R		5/28/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/28/03	BD
Bromoform	<1	ug/l		5/28/03	BD
Bromomethane	<1	ug/l		5/28/03	BD
Carbon tetrachloride	<1	ug/l		5/28/03	BD
Chlorobenzene	<1	ug/l		5/28/03	BD
Chloroethane	16	ug/l		5/28/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/28/03	BD
Chloroform	<1	ug/l		5/28/03	BD
Chloromethane	<1	ug/l		5/28/03	BD
Dibromochloromethane	<1	ug/l		5/28/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/28/03	BD
Dichlorodifluoromethane	<1	ug/l		5/28/03	BD
1,1-Dichloroethane	<1	ug/l		5/28/03	BD
1,2-Dichloroethane	<1	ug/l		5/28/03	BD
1,1-Dichloroethene	<1	ug/l		5/28/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/28/03	BD
1,2-Dichloropropane	<1	ug/l		5/28/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/28/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/28/03	BD
Methylene chloride	<1	ug/l		5/28/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/28/03	BD
Tetrachloroethene	<1	ug/l		5/28/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/28/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/28/03	BD
Trichloroethene	<1	ug/l		5/28/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/28/03	BD
Vinyl chloride	61	ug/l		5/28/03	BD
Surrogate (1,2-DCA-d4)	107	%R		5/28/03	BD
Surrogate (Tol-d8)	89	%R		5/28/03	BD
Surrogate (4-BFB)	105	%R		5/28/03	BD

Life Science Laboratories, Inc.

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Date Printed: 6/2/03

Analysis performed at NYS DOH ELAP Number: (1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369

-- LABORATORY ANALYSIS REPORT --**New York State DEC - Region 7, ER Syracuse, NY**

Sample ID: Influent RW-1 LSL Sample ID: 0307200-002
 Location: NES
 Sampled: 05/20/03 15:15 Sampled By: MG
 Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<5	ug/l		5/28/03	BD
Chlorobenzene	<5	ug/l		5/28/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/28/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/28/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/28/03	BD
Ethyl benzene	<5	ug/l		5/28/03	BD
MTBE	<5	ug/l		5/28/03	BD
Toluene	180	ug/l		5/28/03	BD
Xylenes (Total)	42	ug/l		5/28/03	BD
t-Butyl alcohol	<1000	ug/l		5/28/03	BD
Surrogate (1,2-DCA-d4)	108	%R		5/28/03	BD
Surrogate (Tot-d8)	87	%R		5/28/03	BD
Surrogate (4-BFB)	110	%R		5/28/03	BD
(2) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<5	ug/l		5/28/03	BD
Bromoform	<5	ug/l		5/28/03	BD
Bromomethane	<5	ug/l		5/28/03	BD
Carbon tetrachloride	<5	ug/l		5/28/03	BD
Chlorobenzene	<5	ug/l		5/28/03	BD
Chloroethane	<5	ug/l		5/28/03	BD
2-Chloroethylvinyl ether	<50	ug/l		5/28/03	BD
Chloroform	<5	ug/l		5/28/03	BD
Chloromethane	<5	ug/l		5/28/03	BD
Dibromochloromethane	<5	ug/l		5/28/03	BD
1,2-Dichlorobenzene	<5	ug/l		5/28/03	BD
1,3-Dichlorobenzene	<5	ug/l		5/28/03	BD
1,4-Dichlorobenzene	<5	ug/l		5/28/03	BD
Dichlorodifluoromethane	<5	ug/l		5/28/03	BD
1,1-Dichloroethane	68	ug/l		5/28/03	BD
1,2-Dichloroethane	<5	ug/l		5/28/03	BD
1,1-Dichloroethene	6.8	ug/l		5/28/03	BD
trans-1,2-Dichloroethene	<5	ug/l		5/28/03	BD
1,2-Dichloropropane	<5	ug/l		5/28/03	BD
cis-1,3-Dichloropropene	<5	ug/l		5/28/03	BD
trans-1,3-Dichloropropene	<5	ug/l		5/28/03	BD
Methylene chloride	<5	ug/l		5/28/03	BD
1,1,2,2-Tetrachloroethane	<5	ug/l		5/28/03	BD
Tetrachloroethene	<5	ug/l		5/28/03	BD
1,1,1-Trichloroethane	43	ug/l		5/28/03	BD
1,1,2-Trichloroethane	<5	ug/l		5/28/03	BD
Trichloroethene	55	ug/l		5/28/03	BD
Trichlorofluoromethane (Freon 11)	<5	ug/l		5/28/03	BD
Vinyl chloride	110	ug/l		5/28/03	BD
Surrogate (1,2-DCA-d4)	108	%R		5/28/03	BD
Surrogate (Tot-d8)	87	%R		5/28/03	BD
Surrogate (4-BFB)	110	%R		5/28/03	BD

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Date Printed: 6/2/03

Analysis performed at NYS DOH ELAP Number: (1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369

-- LABORATORY ANALYSIS REPORT --*New York State DEC - Region 7, ER Syracuse, NY*

Sample ID:	Post-Air Stripper (Pre Carbon)	LSL Sample ID:	0307200-003
Location:	NES		
Sampled:	05/20/03 15:20	Sampled By:	MG
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) ITEM #GW-01- ,EPA 602 Vol. Xyl.+MTBE+TBA					
Benzene	<1	ug/l		5/28/03	BD
Chlorobenzene	<1	ug/l		5/28/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/28/03	BD
Ethyl benzene	<1	ug/l		5/28/03	BD
MTBE	<1	ug/l		5/28/03	BD
Toluene	1.4	ug/l		5/28/03	BD
Xylenes (Total)	<1	ug/l		5/28/03	BD
t-Butyl alcohol	<200	ug/l		5/28/03	BD
Surrogate (1,2-DCA-d4)	108	%R		5/28/03	BD
Surrogate (Tol-d8)	86	%R		5/28/03	BD
Surrogate (4-BFB)	106	%R		5/28/03	BD
(1) ITEM #GW-02- , EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/28/03	BD
Bromoform	<1	ug/l		5/28/03	BD
Bromomethane	<1	ug/l		5/28/03	BD
Carbon tetrachloride	<1	ug/l		5/28/03	BD
Chlorobenzene	<1	ug/l		5/28/03	BD
Chloroethane	<1	ug/l		5/28/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/28/03	BD
Chloroform	<1	ug/l		5/28/03	BD
Chloromethane	<1	ug/l		5/28/03	BD
Dibromochloromethane	<1	ug/l		5/28/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/28/03	BD
Dichlorodifluoromethane	<1	ug/l		5/28/03	BD
1,1-Dichloroethane	<1	ug/l		5/28/03	BD
1,2-Dichloroethane	<1	ug/l		5/28/03	BD
1,1-Dichloroethene	<1	ug/l		5/28/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/28/03	BD
1,2-Dichloropropane	<1	ug/l		5/28/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/28/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/28/03	BD
Methylene chloride	<1	ug/l		5/28/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/28/03	BD
Tetrachloroethene	<1	ug/l		5/28/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/28/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/28/03	BD
Trichloroethene	<1	ug/l		5/28/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/28/03	BD
Vinyl chloride	<1	ug/l		5/28/03	BD
Surrogate (1,2-DCA-d4)	108	%R		5/28/03	BD
Surrogate (Tol-d8)	86	%R		5/28/03	BD
Surrogate (4-BFB)	106	%R		5/28/03	BD

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Date Printed: 6/2/03

Analysis performed at NYS DOH ELAP Number: (1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369

STRATEGIC ENVIRONMENTAL MANAGEMENT, INC.

SAMPLE CUSTODY RECORD

0306886
SEM Bvile

BALDWINSVILLE OFFICE 25 1/2 Water Street Baldwinsville, New York 13027 Telephone: (315) 635-8936 Facsimile: (315) 635-2380		SEM Project Number: 3003.050.05.03 SEM Contact Person: Nevin Bradford Project Location: NYSDEC Spill No. 01-60024 Pin No. H-0529		CANTON OFFICE 3 Remington Avenue, Suite D Canton, New York 13617 Telephone: (315) 386-2736 Facsimile: (315) 386-4736					
Laboratory: Life Science Laboratories Project Identification: _____ Page <u>1</u> of <u>1</u>		Facsimile Reports to: NONE Mail Reports to: See Notes Mail Invoice to: NYSEC-See Notes		Parameters EPA Method 8021 EPA 601.602		Notes/Comments Original Report and Invoice to : Timothy DiGiulio, P.E. NYSDEC Region 7 615 Erie Blvd. West Syracuse, NY 13202			
Laboratory Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives	Sample Matrix		
001 AG 5/14/83		8:00	TRIP BLANK	2	grab	HCL 4%	H ₂ O		
002		13:40	AFTER STRIPPER						
003		13:45	P-30						
004		13:50	undisturbed well						
005		13:55	WP-1035						
006		14:00	WP-1030						
007		14:10	WP-1025						
008		14:15	WP-1020						
009		14:25	WP-65						
010		14:30	WP-68						
SAMPLE COLLECTION Name: <u>HENRY BRADFORD</u> Signature: <u>[Signature]</u> Sample TAT: <u>1 STD</u>				RELINQUISH SAMPLE CUSTODY Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Date: <u>5/14/83</u>				ACCEPT AND RECEIVE SAMPLE CUSTODY Name: _____ Signature: _____ Date: _____ Laboratory: <u>R. DeSola-03</u> Signature: <u>[Signature]</u> Date: <u>8.3.83</u>	

- - LABORATORY ANALYSIS REPORT - -*New York State DEC - Region 7, ER Syracuse, NY*

Sample ID: Final GWT System Discharge (Outfall 01A) LSL Sample ID: 0307200-004
 Location: NES
 Sampled: 05/20/03 15:25 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	BD
Chlorobenzene	<1	ug/l	BD
1,2-Dichlorobenzene	<1	ug/l	BD
1,3-Dichlorobenzene	<1	ug/l	BD
1,4-Dichlorobenzene	<1	ug/l	BD
Ethyl benzene	<1	ug/l	BD
MTBE	<1	ug/l	BD
Toluene	1.6	ug/l	BD
Xylenes (Total)	<1	ug/l	BD
t-Butyl alcohol	<200	ug/l	BD
Surrogate (1,2-DCA-d4)	108	%R	BD
Surrogate (Tol-d8)	88	%R	BD
Surrogate (4-BFB)	110	%R	BD
(1) ITEM #GW-02- , EPA 601 Vol.			
Bromodichloromethane	<1	ug/l	BD
Bromoform	<1	ug/l	BD
Bromomethane	<1	ug/l	BD
Carbon tetrachloride	<1	ug/l	BD
Chlorobenzene	<1	ug/l	BD
Chloroethane	<1	ug/l	BD
2-Chloroethylvinyl ether	<10	ug/l	BD
Chloroform	<1	ug/l	BD
Chloromethane	<1	ug/l	BD
Dibromochloromethane	<1	ug/l	BD
1,2-Dichlorobenzene	<1	ug/l	BD
1,3-Dichlorobenzene	<1	ug/l	BD
1,4-Dichlorobenzene	<1	ug/l	BD
Dichlorodifluoromethane	<1	ug/l	BD
1,1-Dichloroethane	<1	ug/l	BD
1,2-Dichloroethane	<1	ug/l	BD
1,1-Dichloroethene	<1	ug/l	BD
trans-1,2-Dichloroethene	<1	ug/l	BD
1,2-Dichloropropane	<1	ug/l	BD
cis-1,3-Dichloropropene	<1	ug/l	BD
trans-1,3-Dichloropropene	<1	ug/l	BD
Methylene chloride	<1	ug/l	BD
1,1,2,2-Tetrachloroethane	<1	ug/l	BD
Tetrachloroethene	<1	ug/l	BD
1,1,1-Trichloroethane	<1	ug/l	BD
1,1,2-Trichloroethane	<1	ug/l	BD
Trichloroethene	<1	ug/l	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l	BD
Vinyl chloride	<1	ug/l	BD
Surrogate (1,2-DCA-d4)	108	%R	BD
Surrogate (Tol-d8)	88	%R	BD
Surrogate (4-BFB)	110	%R	BD

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Date Printed: 6/2/03

Analysis performed at NYS DOH ELAP Number: (1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369

-- LABORATORY ANALYSIS REPORT --*New York State DEC - Region 7, ER Syracuse, NY*

Sample ID:	Trip Blank	LSL Sample ID:	0307200-005
Location:	NES		
Sampled:	05/20/03 0:00	Sampled By:	
Sample Matrix:	TB		

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		5/28/03	BD
Chlorobenzene	<1	ug/l		5/28/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/28/03	BD
Ethyl benzene	<1	ug/l		5/28/03	BD
MTBE	<1	ug/l		5/28/03	BD
Toluene	<1	ug/l		5/28/03	BD
Xylenes (Total)	<1	ug/l		5/28/03	BD
t-Butyl alcohol	<200	ug/l		5/28/03	BD
Surrogate (1,2-DCA-d4)	102	%R		5/28/03	BD
Surrogate (Tol-d8)	89	%R		5/28/03	BD
Surrogate (4-BFB)	111	%R		5/28/03	BD
(1) ITEM #GW-02- ,EPA 601 Vol.					
Bromodichloromethane	<1	ug/l		5/28/03	BD
Bromoform	<1	ug/l		5/28/03	BD
Bromomethane	<1	ug/l		5/28/03	BD
Carbon tetrachloride	<1	ug/l		5/28/03	BD
Chlorobenzene	<1	ug/l		5/28/03	BD
Chloroethane	<1	ug/l		5/28/03	BD
2-Chloroethylvinyl ether	<10	ug/l		5/28/03	BD
Chloroform	<1	ug/l		5/28/03	BD
Chloromethane	<1	ug/l		5/28/03	BD
Dibromochloromethane	<1	ug/l		5/28/03	BD
1,2-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,3-Dichlorobenzene	<1	ug/l		5/28/03	BD
1,4-Dichlorobenzene	<1	ug/l		5/28/03	BD
Dichlorodifluoromethane	<1	ug/l		5/28/03	BD
1,1-Dichloroethane	<1	ug/l		5/28/03	BD
1,2-Dichloroethane	<1	ug/l		5/28/03	BD
1,1-Dichloroethene	<1	ug/l		5/28/03	BD
trans-1,2-Dichloroethene	<1	ug/l		5/28/03	BD
1,2-Dichloropropane	<1	ug/l		5/28/03	BD
cis-1,3-Dichloropropene	<1	ug/l		5/28/03	BD
trans-1,3-Dichloropropene	<1	ug/l		5/28/03	BD
Methylene chloride	1.1	ug/l		5/28/03	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		5/28/03	BD
Tetrachloroethene	<1	ug/l		5/28/03	BD
1,1,1-Trichloroethane	<1	ug/l		5/28/03	BD
1,1,2-Trichloroethane	<1	ug/l		5/28/03	BD
Trichloroethene	<1	ug/l		5/28/03	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		5/28/03	BD
Vinyl chloride	<1	ug/l		5/28/03	BD
Surrogate (1,2-DCA-d4)	102	%R		5/28/03	BD
Surrogate (Tol-d8)	89	%R		5/28/03	BD
Surrogate (4-BFB)	111	%R		5/28/03	BD

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Date Printed: 6/2/03

Analysis performed at NYS DOH ELAP Number: (1) 10248, (2) 10900, (3) 11667, (4) 10760, (5) 11369


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

