



Shaw The Shaw Group Inc.™

September 17, 2002

Mr. Bert W. Finch
New York State Electric & Gas Corporation
Corporate Drive, Kirkwood Industrial Park
P.O. Box 5224
Binghamton, New York 13902-5224

**Subject: Semi-Annual Status Report – January 2002 to June 2002
 Air Sparge/SVE System - Operation & Maintenance
 Norwich Former MGP Site
 Birdsall Road, Norwich, Chenango County, New York
 Shaw E&I Project: 108196**

Dear Mr. Finch;

This status report details the operational status of the Air Sparge/Soil Vapor Extraction treatment system at the Norwich former manufactured Gas Plant (MGP) Site. This semi-annual status report covers the period from January 1, 2002 to June 30, 2002.

Total run time for the air sparge and soil vapor extraction (SVE) system during the current reporting period was approximately 97%. The system was down upon arrival for the June Operation and Maintenance (O&M) visit. The alarm for the ventilation fan had been triggered. Shaw Environmental and Infrastructure personnel were not notified of the failure by the remote telemetry unit (RTU). The settings for the RTU were checked and found to be correct. A power outage in the area is the likely cause. The fan failure caused 77 hours of downtime. The remaining downtime for the reporting period was due to normal treatment system maintenance activities. Total run time for the treatment system since start up on December 17, 1999 is approximately 71%.

Enhancements were installed at the site between December 3 and December 21, 2001 to allow for the treatment of subsurface soils and groundwater to the south of the NYSEG building, (in the vicinity of GW91-6). This work consisted of the installation of eight air sparge wells,

approximately 150 lineal feet of horizontal vent piping, and three additional monitoring wells. Provisions were made to connect the new air sparge and SVE piping to the existing treatment system. The new SVE leg 4 was activated between January 14 and 16, 2002. Existing SVE leg 3 was manually turned off to allow for the operation of SVE leg 4. The Details of these activities can be found in *Interim Remedial Measures Completion Report for System Enhancement, Norwich Former MGP Site, Norwich, NY, Prepared by IT Corporation, March 18, 2002.*

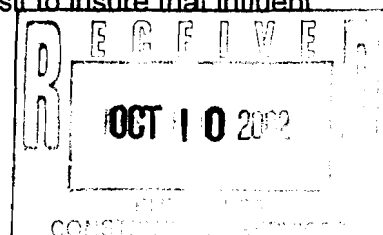
The following sections present data associated with each component of the air sparge/SVE system from January 1, 2002 to June 30, 2002.

OPERATION AND MAINTENANCE

O&M visits were performed monthly during the reporting period. O&M visits were performed on January 16, February 20, March 26, April 16, May 13, and June 14, 2002. Shaw Environmental and Infrastructure personnel were also on-site from January 14 through January 16, 2002 in order to activate the new SVE leg. Soil generated during the system upgrade were shipped off-site on January 23, 2002. The details of these upgrade activities are summarized in the *Interim Remedial Measures Completion Report for System Enhancement, Norwich Former MGP Site, Norwich, NY, Prepared by IT Corporation, March 18, 2002.*

During each O&M visit, the system was monitored for airflow and volatile organic compounds (VOCs) utilizing a thermal anemometer and a photoionization detector (PID). Sparge Point Monitoring Points (SPMPs) and selected monitoring wells were monitored for depth to water and dissolved oxygen to track trends in groundwater. Vapor Point Monitoring Points (VPMPs) were checked for vacuum influence during each visit to verify the presence of a net negative pressure within the subsurface of the treatment zone. Individual system components were also monitored to ensure that all process systems were operating within design parameters.

In addition, routine maintenance was performed on treatment system equipment, including greasing of motors, bearings, and oil changes for the rotary lobe blowers. Building ventilation openings were regularly checked to maintain the required ventilation through the treatment building. The SVE heat exchanger was checked during each O&M visit to insure that influent and effluent process air temperatures were within desired ranges.



SIGNIFICANT OPERATIONAL NOTES

Upon arrival at the Site for the June 2002 O&M visit, the system was found to be non-operational with an alarm condition related to the ventilation fan. The RTM did not notify Shaw Environmental and Infrastructure personnel about the condition. The RTM settings were verified to ensure future operation. No other significant operational issues were encountered during this reporting period.

SOIL VAPOR EXTRACTION SYSTEM

The SVE system was initially activated on December 17, 1999. The three primary horizontal vapor extraction legs were active on a rotational basis until January 2002. A new leg of the SVE system was installed in December 2001. Based upon PID readings collected from the SVE blower effluent, the leg containing HVI-4, HVI-5, HVI-6, and HVI-11 (Leg 3) was idled initially. While PID readings were detected from the other two original system legs (as well as from the new leg), no VOCs were detected from Leg 3 during the system startup. Groundwater data indicated that this area contained the lowest remaining VOC and SVOC concentrations. Therefore, Leg 3 has remained idle since the activation of Leg 4. Motor operated valves (MOVs) connected to electronic timers control individual ball valves on each of the three active SVE legs. Each SVE leg is programmed to run for 8 hours per day.

The SVE system operated at an average flow of 1,494 standard cubic feet per minute (scfm) during the reporting period as measured at the SVE blower effluent. Calculations show that a total of 127.83 pounds of Benzene, Toluene, Ethylbenzene and total Xylene (BTEX) were removed during the current reporting period and a cumulative total of 584.56 pounds of BTEX compounds have been removed since start-up. A total of 742.18 pounds of total VOCs have been calculated to have been removed by the system since start up. System operating data and removal calculations are shown in **Table 1**. VOC recovery data is graphed and illustrated in **Figure 1**. Condensate was not found in the knock out drum from the SVE system during the reporting period.

SVE SYSTEM EFFLUENT

Vapor phase carbon units were installed in the treatment system to adsorb VOCs and maintain a system discharge within New York State Department of Environmental Conservation permitted levels. During early periods of system operation, these vapor phase units were effective in reducing VOC levels in the system final effluent. As system operation continued, a

reduction in efficiency was observed. However, declining influent VOC levels allowed the system to continue operating while keeping within permitted discharge levels.

Vapor phase carbon was removed and replaced on December 21, 2001. This allowed the throughput of potential higher concentrations of VOCs as a result of operating the additional air sparge/SVE leg 4 which was recently installed.

Air samples were collected for laboratory analysis during the January, February, and May 2002 site visits to track system removal efficiency, and to verify compliance with the air discharge permit. Analytical results of air samples collected during the current period, historical data, and permitted short term and annual guidance levels are presented in **Table 2**. All analytes in these samples show effluent concentrations below permitted levels. Annual discharges for the system continue to be within acceptable levels. System effluent concentrations will continue to be tracked monthly with a PID and periodically utilizing laboratory analysis to monitor compliance with discharge limits. Laboratory analytical reports have been included as **Appendix A**.

AIR SPARGE SYSTEM

The air sparge system was initially activated on January 7, 2000. The sparge system is divided into three individual legs, each corresponding to one of the three individual SVE legs. An additional leg was added in December 2001. As discussed previously, leg three was taken offline in order to allow for the operation of the new leg (leg 4). Each sparge leg runs for 6 hours and idles for an hour prior to and after the respective sparge leg shuts down. There are a total of 26 active sparge points connected to the treatment system. Each sparge point has operated at a flow rate of approximately 10.4 scfm during the period, with an average flow of approximately 59 scfm per active leg.

Dissolved oxygen (Do) levels were measured in monitoring wells during O&M visits beginning in February 2000. Based upon the Do data collected, effective distribution of sparge air is being achieved. Historical dissolved oxygen data available since February 2000 is tabulated and shown in **Table 3**. Air distribution trends and dissolved oxygen levels in monitoring points will continue to be monitored during future O&M visits to determine any needs for maintenance actions in order to maintain desired air flow rates to the treatment zone.

SYSTEM TREATMENT EFFICIENCY

Select monitoring wells, as well as SPMPs, have been sampled quarterly to track the progress of the treatment system. Monitoring wells were sampled during the current reporting period on February 20 and May 13, 2002. The groundwater samples were analyzed per USEPA Method 8021 for VOCs and USEPA Method 8270 for SVOCs (PAHs only). All available data has been tabulated and is presented in **Table 4**. A site layout map showing the site surface features, subsurface and above grade piping layout, and monitoring well locations has been included as **Appendix B**.

SPMP-1 and SPMP-2 are the primary monitoring points in the vicinity of the treatment area that would be affected by legs 1, 2, and 3 (no longer active). Analytical results show a continued decreasing trend in total VOC and SVOC concentrations at these two monitoring points since May 2000. Additional monitoring wells were added to monitor the efficiency of the new leg of the system (leg 4). Analytical data from these monitoring wells has not indicated a noticeable decrease in concentration of VOCs since leg 4 went on line. This is not unusual given the rise in water table elevation due to the injection of sparge air, as well as the seasonal high water table observed during the May sampling event, which can result in an increased contact between groundwater and the smear zone. Additionally, the sparge and extraction wells frequently tend to increase the rate of dissolution of VOCs from the adsorbed phase into the dissolved phase due to the increased rate of air flow through the saturated and vadose zones. These concentrations will likely begin to decrease during the next reporting period as the leg 4 reaches static treatment levels.

Groundwater sampling events are scheduled to be performed in August and November, 2002. Analytical results will be reported in the next semi-annual status report.

In correspondence received on June 17, 2002, the NYSDEC requested that Shaw Environmental and Infrastructure evaluate the effect of water table elevation changes on mass removal efficiency. Graphs illustrating fluctuations in water table elevation as compared to mass removal estimates have been included in **Appendix C**. The data contained in the graph prepared for Leg 1 does not illustrate any strong correlation. However, the data prepared for Leg 4 indicates that at higher water table conditions, an increased rate of mass removal was observed. This can be expected as a rise in water table elevation results in an increased contact between groundwater and residual contaminant mass found in the vadose zone. These trends may not be seen in Leg 1 due to the extent of mass removal in that area.

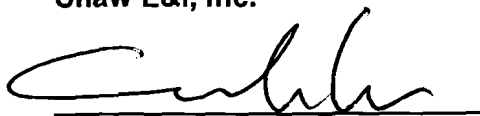
PROPOSED ACTIVITIES

Proposed activities for the next reporting period include:

- Monthly operation and maintenance visits to monitor system operation.
- Adjustment of system flow and vacuum rates to maximize treatment system efficiency.
- Groundwater samples will be collected during August and November 2002. The quarterly sampling regime includes the following monitoring wells: GW91-9, GW91-6, GW92-08, GW92-11D, GW92-11S, SMPM-15, SPMP-25, GW92-12, GW01-14, and GW01-15S. GW92-12 will be sampled periodically to track groundwater quality to the southeast of the site.

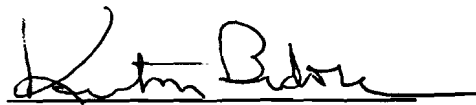
It is our continuing effort to provide NYSEG with the highest quality environmental services. Should you have any questions or comments concerning this status report, please do not hesitate to contact the undersigned at (518) 783-1996.

Sincerely,
Shaw E&I, Inc.



Andrew Graham
Hydrogeologist
Project Manager

Shaw E&I, Inc.



Kurt Bedore, P.E.
Staff Engineer

Attachments:

Table 1	BTEX Recovery
Table 2	Treatment System Efficiency
Table 3	Dissolved Oxygen Measured in Monitoring Points
Table 4	Monitoring Well Data
Figure 1	Soil Vapor Extraction System VOC Recovery
Appendix A	Laboratory Analytical Results
Appendix B	Site Layout Map
Appendix C	Graphs



TABLES

Table 1
NYSEG Former MGP Site
Norwich, New York
Air Sparge/Soil Vapor Extraction System
BTEX Recovery

Sampling Date	Run Time Since Last Visit (hrs)		SVE Operation Since Last O&M Visit (%)	SVE Blower Effluent Flow Velocity (6" diam.) (fpm)	Average SVE Blower Effluent Flow Rate (cfm)	Average SVE Blower Effluent PID Reading (ppmv)	SVE Blower Effluent Lab Result (BTEX only) (ppmv)	VOC Removal Rate (BTEX only) (lbs/hr)	VOC Removal Rate (total) (lbs/hr)	VOCs Recovered Since Last O&M Visit (lbs BTEX)	VOC's Recovered Since Last O&M Visit (total lbs.)	Cumulative lbs. of VOC's Recovered (lbs BTEX)	Cumulative lbs. of VOC's Recovered (total lbs.)
	Available	Actual											
12/17/99	0	/0	0.00%	7017	1378	14.49	0.9200	0.1007	0.3115	0.00	0.00	0.00	0.00
12/21/99	96	/90	93.75%	6933	1361	23.80	0.8800	0.0952	0.4090	8.57	36.81	8.57	36.81
01/07/00	119	/101	84.87%	7000	1374	4.73	0.8300	0.0906	0.3044	9.15	30.75	17.72	67.56
01/11/00	96	/93	96.88%	7000	1374	5.00	0.8100	0.0885	0.1043	8.23	9.70	25.95	77.26
02/14/00	816	/800	98.04%	7000	1374	11.63	0.8000	0.0743	0.1783	59.41	142.65	85.36	219.91
02/21/00	168	/165	98.21%	7000	1374	11.63	0.8000	0.0437	0.2494	7.21	41.15	92.57	261.07
03/03/00	264	/75	28.41%	6967	1368	10.00	0.4200	0.0348	0.2314	2.61	17.35	95.17	278.42
03/21/00	432	/428	99.07%	6967	1368	10.00	0.4200	0.0196	0.2134	8.37	91.33	103.55	369.75
04/14/00	576	/362	62.85%	6767	1329	1.73	0.1300	0.0137	0.1234	4.97	44.67	108.52	414.41
05/03/00	456	/453	99.34%	7300	1433	2.97	0.1110	0.0126	0.0506	5.73	22.93	114.24	437.35
06/15/00	1032	/300	29.07%	6933	1361	0.00	0.0900	0.0097	0.0323	2.92	9.70	117.16	447.05
07/24/00	936	/934	99.79%	7233	1420	5.67	2.1000	0.2370	0.0615	221.34	57.41	338.50	504.46
08/17/00	576	/16	2.78%	7233	1420	3.53	2.0000	0.2257	0.1019	3.61	1.63	342.11	506.09
09/13/00	648	/161	24.85%	7250	1424	2.47	1.8000	0.2036	0.0665	32.78	10.71	374.89	516.80
10/16/00	792	/406.2	51.29%	4500	884	2.00	0.6500	0.0456	0.0402	18.54	16.32	393.43	533.13
11/09/00	576	/2.8	0.49%	6750	1325	1.50	0.5200	0.0548	0.0302	0.15	0.08	393.58	533.21
12/19/00	960	/786	81.88%	6500	1276	1.00	0.2800	0.0284	0.0254	22.32	19.94	415.90	553.15
01/17/01	696	/1.5	0.22%	6750	1325	0.00	0.2200	0.0232	0.0101	0.03	0.02	415.93	553.16
02/14/01	672	/457	68.01%	6750	1325	0.00	0.1500	0.0158	0.0000	7.22	0.00	423.15	553.16
03/27/01	984	/984	100.00%	6750	1325	0.00	0.1400	0.0147	0.0000	14.51	0.00	437.66	553.16
04/23/01	648	/1.1	0.17%	7000	1374	0.00	0.1200	0.0131	0.0000	0.01	0.00	437.68	553.16
05/21/01	672	/664	98.81%	7083	1391	0.00	0.1100	0.0122	0.0000	8.07	0.00	445.75	553.16
06/15/01	600	/598	99.67%	7067	1388	1.20	0.1000	0.0110	0.0130	6.59	7.78	452.34	560.94
07/12/01	648	/647	99.85%	7000	1374	0.00	0.0512	0.0056	0.0129	3.63	8.36	455.97	569.30
08/07/01	624	/600	96.15%	7167	1407	0.00	0.0028	0.0003	0.0000	0.19	0.00	456.16	569.30
09/28/01	1248	/1247	99.92%	6933	1361	0.00	0.0022	0.0003	0.0000	0.37	0.00	456.53	569.30
10/01/01	72	/24	33.33%	5849	1148	0.00	0.0022	0.0003	0.0000	0.01	0.00	456.54	569.30
11/20/01	1200	/292	24.33%	4763	935	0.00	0.0022	0.0002	0.0000	0.06	0.00	456.59	569.30
12/28/01	912	/648	71.05%	4483	880	1.87	0.0028	0.0002	0.0132	0.13	8.56	456.72	577.87
01/16/02	456	/444.3	97.43%	7600	1492	3.50	0.9010	0.1068	0.0497	47.46	22.06	504.18	599.93
02/20/02	840	/819.7	97.58%	7500	1473	0.53	0.0195	0.0023	0.0466	1.87	38.20	506.06	638.12
03/26/02	816	/816	100.00%	7567	1466	3.10	0.04	0.0472	0.0419	38.53	34.17	544.59	672.30
04/16/02	504	/504	100.00%	7583	1489	0.00	0.0050	0.0006	0.0360	0.30	18.12	544.89	690.42
05/13/02	648	/648	100.00%	7567	1486	1.23	0.005	0.0006	0.0143	0.37	9.25	545.26	699.67
06/14/02	768	/691	89.97%	7833	1538	3.80	0.5	0.0550	0.0593	38.00	40.99	583.26	740.65
Averages			70.8%	6846	1344	3.6			0.08		21.16		

Notes:

VOC concentrations are estimated for dates with no laboratory analytical available (shaded cells).

Table 2
NYSEG Former MGP Site
Norwich, New York
Air Sparge/Soil Vapor Extraction System
Treatment Efficiency

Date	Compound	SVE Influent (ppmv)	Carbon 1 Effluent (ppmv)	Carbon 2 Effluent (ppmv)	Annual Discharge		Short Term Discharge	
					Allowable (ug/m3)	Actual (ug/m3)	Allowable (ug/m3)	Actual (ug/m3)
01/11/00	Benzene	0.1600	NS	0.0120	0.120	0.010	30	0.600
	Toluene	0.1000	NS	0.0150	1400	0.020	100,000	1.000
	Ethyl Benzene	0.1200	NS	0.0007	2000	0.000	45,000	0.000
	Xylenes	0.4300	NS	0.0030	300	0.000	100,000	0.200
05/03/00	Benzene	0.0200	0.0230	0.0140	0.120	0.010	30	0.700
	Toluene	0.0120	0.0140	0.0410	1400	0.040	100,000	2.700
	Ethyl Benzene	0.0093	0.0260	0.0770	2000	0.070	45,000	4.400
	Xylenes	0.0700	0.2400	0.1040	300	0.110	100,000	6.900
07/24/00	Benzene	NS	NS	0.0940	0.120	0.070	30	4.600
	Toluene	NS	NS	0.0560	1400	0.060	100,000	3.700
	Ethyl Benzene	NS	NS	0.5100	2000	0.450	45,000	29.200
	Xylenes	NS	NS	1.4400	300	1.460	100,000	95.100
11/09/00	Benzene	0.1900	0.0160	0.0037	0.120	0.000	30	0.200
	Toluene	0.0550	0.0120	0.0140	1400	0.010	100,000	0.800
	Ethyl Benzene	0.0610	0.0054	0.0130	2000	0.010	45,000	0.800
	Xylenes	0.2160	0.0440	0.2040	300	0.200	100,000	13.300
02/14/01	Benzene	ND	NS	0.0020	0.120	0.000	30	0.100
	Toluene	0.0019	NS	0.0084	1400	0.010	100,000	0.500
	Ethyl Benzene	0.0007	NS	0.0068	2000	0.010	45,000	0.400
	Xylenes	0.0049	NS	0.1300	300	0.130	100,000	8.500
05/22/01	Benzene	0.0023	NS	ND	0.120	0.000	30	0.000
	Toluene	0.0012	NS	0.0010	1400	0.000	100,000	0.100
	Ethyl Benzene	0.0045	NS	0.0080	2000	0.010	45,000	0.500
	Xylenes	0.0230	NS	0.0880	300	0.090	100,000	6.000
08/07/01	Benzene	ND	NS	ND	0.120	0.000	30	0.000
	Toluene	0.0021	NS	0.0020	1400	0.000	100,000	0.100
	Ethyl Benzene	ND	NS	ND	2000	0.000	45,000	0.000
	Xylenes	0.0016	NS	0.0270	300	0.020	100,000	1.600

Table 2
NYSEG Former MGP Site
Norwich, New York
Air Sparge/Soil Vapor Extraction System
Treatment Efficiency

Date	Compound	SVE Influent (ppmv)	Carbon 1 Effluent (ppmv)	Carbon 2 Effluent (ppmv)	Annual Discharge		Short Term Discharge	
					Allowable (ug/m3)	Actual (ug/m3)	Allowable (ug/m3)	Actual (ug/m3)
01/16/02	Benzene	0.1200	NS	ND	0.120	0.000	30	0.000
	Toluene	0.0320	NS	ND	1400	0.000	100,000	0.000
	Ethyl Benzene	0.5800	NS	0.0004	2000	0.000	45,000	0.000
	Xylenes	0.1690	NS	0.0012	300	0.000	100,000	0.100
02/20/02	Benzene	ND	NS	ND	0.120	0.000	30	0.000
	Toluene	0.0041	NS	0.0043	1400	0.000	100,000	0.300
	Ethyl Benzene	0.0045	NS	ND	2000	0.000	45,000	0.000
	Xylenes	0.0109	NS	0.0041	300	0.000	100,000	0.300
05/13/02	Benzene	ND	NS	ND	0.120	0.000	30	0.000
	Toluene	0.0049	NS	0.0034	1400	0.000	100,000	0.200
	Ethyl Benzene	ND	NS	ND	2000	0.000	45,000	0.000
	Xylenes	ND	NS	ND	300	0.000	100,000	0.000

Air discharge allowances based on average discharge flow of 1344 scfm., Air Guide 1.

Shaded cells indicate concentrations exceeding guidance values.

Table 3
Dissolved Oxygen Measured in Performance Monitoring Wells
(mg/L)

Date	Status of Sparge System/Flowrate (avg scfm/point)	SPMP-1D	SPMP-1S	SPMP-2D	SPMP-2S	GGW01-14	GW91-06
2/14/00	Prior to Sparge Startup	0.70	NM	11.62	NM	NM	NM
2/14/00	On / 7.35	1.53	NM	12.52	NM	NM	NM
3/21/00	On / 7.35	9.43	9.48	0.93	5.42	NM	NM
5/3/00	On / 7.00	9.08	7.60	2.27	4.60	NM	NM
6/15/00	On / 6.12	6.40	3.22	1.80	2.98	NM	NM
7/24/00	On / 7.76	1.90	6.09	NM	1.43	NM	NM
8/14/00	On / 8.0	9.01	9.16	9.10	8.63	NM	NM
9/11/00	On / 7.29	NM	NM	NM	NM	NM	NM
10/16/00	Off / 0.00	NM	NM	NM	NM	NM	NM
11/9/00	On / 7.8	7.52	NM	1.19	5.23	NM	NM
12/19/00	Off / 0.00	NM	NM	NM	NM	NM	NM
1/17/01	On / 9.42	5.27	5.86	7.26	9.61	NM	NM
2/14/01	On / 9.17	9.08	9.23	9.67	9.32	NM	NM
3/27/01	On / 9.6	NM	NM	NM	NM	NM	NM
4/23/01	On / 8.33	NM	NM	NM	NM	NM	NM
5/21/01	On / 8.56	9.94	9.89	0.66	1.45	NM	NM
6/15/01	On / 8.17	7.47	2.77	1.06	1.39	NM	NM
7/12/01	On / 7.65	2.63	2.91	1.23	1.74	NM	NM
8/7/01	On / 6.59	2.59	2.78	0.67	1.01	NM	NM
9/28/01	On / 14.12	8.33	5.50	1.22	0.93	NM	NM
10/16/01	Off / 0.0	NM	NM	NM	NM	NM	NM
11/20/01	On / 10.29	4.52	Dry	0.45	1.27	NM	NM
12/28/01	On / 10.47	13.61	NM	3.70	5.62	NM	NM
1/16/02	On / 11.70	3.16	NM	NM	NM	NM	NM
2/20/02	On / 11.6	5.63	1.84	1.2	2.7	0.79	1.05
3/26/02	On / 13.75	NM	NM	NM	NM	NM	NM
4/16/02	On / 13.2	NM	NM	NM	NM	NM	NM
5/13/02	On / 11	1.31	1.06	0.79	0.76	1.73	1.46
6/14/02	On / 8.85	2.04	1.78	0.98	0.56	2.13	2.53

NM - Not Measured

Notes:

Air Sparge Leg 2 not operational on 11/9/00 and 1/17/01 due to MOV failure. System was down upon arrival during 1/17/01 site visit, but was restarted. System ran for approx. 1 hour before collecting data. System subsequently idled due to problems with heat exchanger motor.

Table 4
NYSEG Norwich - Former MGP Site
Monitoring Well Data (ug/l)

	05/02			02/02		
	VOCs	SVOCs	Naphth.	VOCs	SVOCs	Naphth.
GW91-4SH	NS	NS	NS	NS	NS	NS
GW91-4D	NS	NS	NS	NS	NS	NS
GW91-5	ND	ND	ND	ND	ND	ND
GW91-6	2,279	133	630	1,974	136	330
GW92-08	197	17	17	1,475	130.2	61
GW-92-11D	5	ND	ND	506	26.6	71
GW92-11SH	41	ND	ND	7	ND	ND
SPMP-1S	263	1,375	29	268	2,102	80
SPMP-2S	234	253	23	277	616.9	42
GW92-12	NS	NS	NS	NS	NS	NS
GW01-14	2,271	1,838	680	2,000	1,066	480
GW01-15S	1,500	435	270	1,185	730.8	64

Naphth. = Naphthalene (Method 8270)

NS - Not Sampled

NS* - No recovery after well purging

NS** - Well dry

Table 4
NYSEG Norwich - Former MGP Site
Monitoring Well Data (ug/l)

11/01				8/01		
	VOCs	SVOCs	Naphth.	VOCs	SVOCs	Naphth.
GW91-4SH	NS	NS	NS	NS	NS	NS
GW91-4D	NS	NS	NS	NS	NS	NS
GW91-5	34	ND	ND	1	ND	ND
GW91-6	1107	381	900	1510	440	1400
GW92-08	504	181	12	129	166	16
GW-92-11D	8	ND	ND	5	ND	ND
GW92-11SH	NS*	NS*	NS*	ND	ND	ND
SPMP-1S	NS**	NS**	NS**	157	740	28
SPMP-2S	232	653	40	195	557	48
GW92-12	ND	ND	ND	ND	ND	ND
GW01-14	NS	NS	NS	NS	NS	NS
GW01-15S	NS	NS	NS	NS	NS	NS

Naphth. = Naphthalene

NS - Not Sampled

NS* - No recovery after w

NS** - Well dry

Table 4
NYSEG Norwich - Former MGP Site
Monitoring Well Data (ug/l)

6/01				5/01		
	VOCs	SVOCs	Naphth.	VOCs	SVOCs	Naphth.
GW91-4SH	NS	NS	NS	5	ND	ND
GW91-4D	NS	NS	NS	1	ND	6
GW91-5	3	ND	ND	NS	NS	NS
GW91-6	NS	NS	NS	2,545	3,518	1,800
GW92-08	676	82	ND	NS	NS	NS
GW-92-11D	NS	NS	NS	78	61	12
GW92-11SH	3	ND	ND	NS	NS	NS
SPMP-1S	NS	NS	NS	139	1,965	330
SPMP-2S	NS	NS	NS	114	615	46
GW92-12	ND	ND	ND	NS	NS	NS
GW01-14	NS	NS	NS	NS	NS	NS
GW01-15S	NS	NS	NS	NS	NS	NS

Naphth. = Naphthalene

NS - Not Sampled

NS* - No recovery after w

NS** - Well dry

Table 4
NYSEG Norwich - Former MGP Site
Monitoring Well Data (ug/l)

2/01				11/00		
	VOCs	SVOCs	Naphth.	VOCs	SVOCs	Naphth.
GW91-4SH	11	ND	ND	30.9	40	6
GW91-4D	ND	ND	ND	14	86	18
GW91-5	NS	NS	NS	NS	NS	NS
GW91-6	1,300	2,400	3,100	1,357	3,433	3,200
GW92-08	NS	NS	NS	NS	NS	NS
GW-92-11D	0.5	ND	ND	NS	NS	NS
GW92-11SH	NS	NS	NS	NS	NS	NS
SPMP-1S	167	4,860	110	NS	NS	NS
SPMP-2S	68	449	26	NS	NS	NS
GW92-12	NS	NS	NS	NS	NS	NS
GW01-14	NS	NS	NS	NS	NS	NS
GW01-15S	NS	NS	NS	NS	NS	NS

Naphth. = Naphthalene

NS - Not Sampled

NS* - No recovery after w

NS** - Well dry

* - Samples

** - Sample was collected to replac

Table 4
NYSEG Norwich - Former MGP Site
Monitoring Well Data (ug/l)

8/00				7/00	
	VOCs	SVOCs	Naphth.	SVOCs	Naphth.
GW91-4SH	16	ND	ND	NS	NS
GW91-4D	9	ND	14	NS	NS
GW91-5	NS	NS		NS	NS
GW91-6	1,110	ND	3200	NS	NS
GW92-08	88	175	ND	NS	NS
GW-92-11D	3	ND	ND	NS	NS
GW92-11SH	NS	NS	NS	NS	NS
SPMP-1S	351	10,250	1,500	NS	NS
SPMP-2S	103	1,061	92	**1,290	NS
GW92-12	NS	NS	NS	NS	NS
GW01-14	NS	NS	NS	NS	NS
GW01-15S	NS	NS	NS	NS	NS

Naphth. = Naphthalene

NS - Not Sampled ere collected in June, 2000

NS* - No recovery after w the one damaged from the 5/00 sampling event

NS** - Well dry

Table 4
NYSEG Norwich - Former MGP Site
Monitoring Well Data (ug/l)

5/00				5/99		
	VOCs	SVOCs	Naphth.	VOCs	SVOCs	Naphth.
GW91-4SH	3.0	324	ND	61.1	62.0	NS
GW91-4D	1.0	ND	22.0	29.9	Damaged @	NS
GW91-5	NS	NS	NS	81.5	33.0	NS
GW91-6	2,170	ND	5,500	2,229	586	NS
GW92-08	NS	NS	NS	943.9	NS	NS
GW-92-11D	182	ND	430	10.5	NS	NS
GW92-11SH	NS	NS	NS	3.5	NS	NS
SPMP-1S	*4,901	10,460	1,600	NS	NS	NS
SPMP-2S	*300	Damaged @	150.0	NS	NS	NS
GW92-12	NS	NS	NS	NS	NS	NS
GW01-14	NS	NS	NS	NS	NS	NS
GW01-15S	NS	NS	NS	NS	NS	NS

Naphth. = Naphthalene

NS - Not Sampled

NS* - No recovery after w

NS** - Well dry

Table 4
NYSEG Norwich - Former MGP Site
Monitoring Well Data (ug/l)

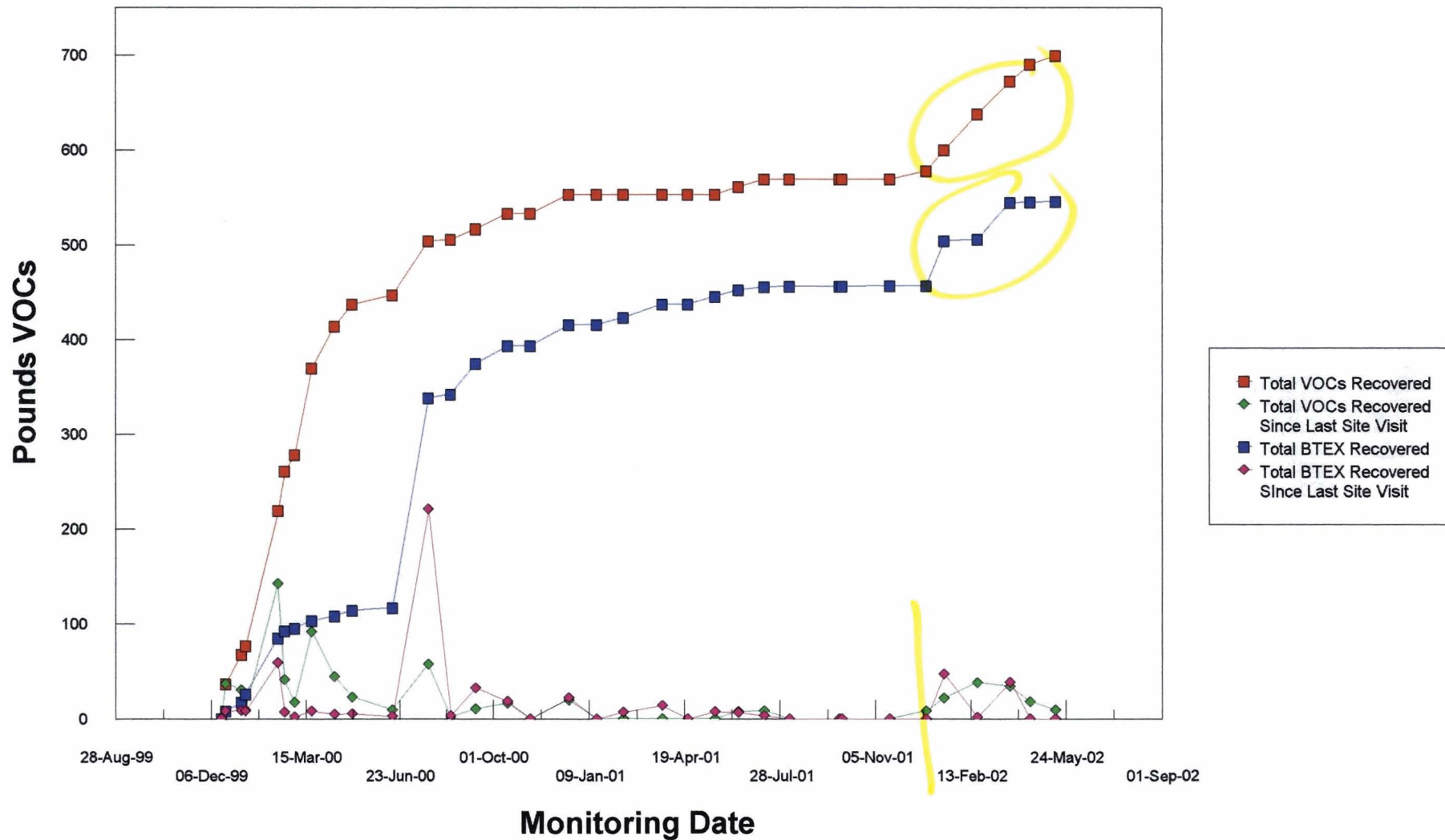
1998			
	VOCs	SVOCs	Naphth.
GW91-4SH	37.6	134.3	8.0
GW91-4D	38.5	72.0	110
GW91-5	NS	NS	NS
GW91-6	2,432	210	3600
GW92-08	898.5	NS	NS
GW-92-11D	70.1	NS	NS
GW92-11SH	3.0	NS	NS
SPMP-1S	NS	NS	NS
SPMP-2S	NS	NS	NS
GW92-12	NS	NS	NS
GW01-14	NS	NS	NS
GW01-15S	NS	NS	NS

Naphth. = Naphthalene
 NS - Not Sampled
 NS* - No recovery after w
 NS** - Well dry

FIGURES

Figure 1 - Soil Vapor Extraction System VOC Recovery

NYSEG Norwich



APPENDIX A
LABORATORY ANALYTICAL RESULTS



Performance Analytical Inc.

Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RECEIVED
Columbia Grant Anderson
FEB 1 2002
NYSEG Norwich
BA

LABORATORY REPORT

Client: IT CORPORATION

Date of Report: 02/07/02

Address: 13 British American Blvd.

Date Received: 01/18/02

Latham, NY 12110

PAI Project No: P2200112

Contact: Mr. Grant Anderson

Purchase Order: Verbal

Client Project ID: NYSEG, Norwich

New York ELAP: 11221

Two (2) Stainless Steel Summa Canisters labeled: "Leg 4 Blower Eff" and "Leg 4 Final Eff"

The samples were received at the laboratory under chain of custody on January 18, 2002. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

BTEX Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for benzene, toluene, ethylbenzene and total xylenes. The analyses were performed according to the methodology outlined in EPA Method TO-15. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5973 GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets.

Reviewed and Approved:

Chris Parnell
Senior Chemist

Reviewed and Approved:

Michael Tuday
Laboratory Director



Performance Analytical Inc.

Air Quality Laboratory
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An Employee Owned Company

RESULTS OF ANALYSIS

Page 1 of 1

Client: IT Corporation / Latham

Client Sample ID: Leg 4 Blower Eff

Client Project ID: NYSEG Norwich

PAI Project ID: P2200112

PAI Sample ID: P2200112-001

Test Code: EPA TO-15

Instrument ID: HP5973/Tekmar AUTOCAN Elite

Analyst: Wade Henton

Sampling Media: Summa Canister

Test Notes:

Container ID: #01620

Date Collected: 1/16/02

Date Received: 1/18/02

Date(s) Analyzed: 1/24/02

Volume(s) Analyzed: 0.010 Liter(s)

Pi 1 = 0.7

Pf 1 = 3.5

D.F. = 1.18

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	390	100	120	31	
108-88-3	Toluene	120	100	32	27	
100-41-4	Ethylbenzene	2,500	100	580	23	
136777-61-2	m,p-Xylenes	210	100	49	23	
95-47-6	o-Xylene	540	100	120	23	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KR Date: 02/01/02



Performance Analytical Inc.

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RESULTS OF ANALYSIS

Page 1 of 1

Client: IT Corporation / Latham

Client Sample ID: Leg 4 Final Eff

Client Project ID: NYSEG Norwich

PAI Project ID: P2200112

PAI Sample ID: P2200112-002

Test Code: EPA TO-15

Instrument ID: HP5973/Tekmar AUTOCAN Elite

Analyst: Wade Henton

Sampling Media: Summa Canister

Test Notes:

Container ID: #01109

Date Collected: 1/16/02

Date Received: 1/18/02

Date(s) Analyzed: 1/24/02

Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -0.4

Pf 1 = 3.5

D.F. = 1.27

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	1.0	ND	0.31	
108-88-3	Toluene	ND	1.0	ND	0.27	
100-41-4	Ethylbenzene	1.7	1.0	0.39	0.23	
136777-61-2	m,p-Xylenes	5.0	1.0	1.2	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: ke Date: 02/01/02



Performance Analytical Inc.

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RESULTS OF ANALYSIS

Page 1 of 1

Client: IT Corporation / Latham

Client Sample ID: Method Blank

Client Project ID: NYSEG Norwich

PAI Project ID: P2200112

PAI Sample ID: P020124-MB

Test Code: EPA TO-15

Instrument ID: HP5973/Tekmar AUTOCAN Elite

Analyst: Christy Saint/Wade Henton

Sampling Media: Summa Canister

Test Notes:

Date Collected: NA

Date Received: NA

Date(s) Analyzed: 1/24/02

Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m ³	MRL µg/m ³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	1.0	ND	0.31	
108-88-3	Toluene	ND	1.0	ND	0.27	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
136777-61-2	<i>m,p</i> -Xylenes	ND	1.0	ND	0.23	
95-47-6	<i>o</i> -Xylene	ND	1.0	ND	0.23	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Performance Analytical Inc.
Sample Acceptance Check Form

Client: IT Corporation / Latham

Work order: P2200112

Project: NYSEG Norwich

Sample(s) received on: 1/18/02

Date opened: 1/18/02

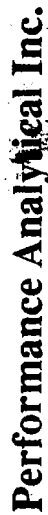
by SM

Note: This form is used for all samples received by PAI. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

		Yes	No	N/A
1	Were custody seals on outside of cooler/Box?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were custody seals on outside of sample container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Were sample containers marked with client sample ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Did sample containers arrive in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were chain-of-custody papers used and filled out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Did sample container labels and/or tags agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Was sample volume received adequate for analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Are samples within specified holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Was proper temperature (thermal preservation) of cooler at receipt adhered to?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Cooler Temperature NA °C			
	Blank Temperature NA °C			
9	Is pH (acid) preservation necessary, according to method/SOP or Client specified information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is there a client indication that the submitted samples are pH (acid) preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were VOA vials checked for presence/absence of air bubbles?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Lab Sample ID	Required pH	pH (as received, if required)	VOA Headspace (Presence/Absence)
P2200112-001			NA
P2200112-002			NA

Explain any discrepancies: (include lab sample ID numbers): _____



A Division of Columbia Analytical Services, Inc.

2665 Park Center Drive, Suite D

Simi Valley, California 93065

Phone (805) 526-7161

Fax (805) 526-7270

Chain of Custody Record Analytical Services Request

[illegible]



Performance Analytical Inc.

Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

LABORATORY REPORT

Client: IT CORPORATION

Date of Report: 03/11/02

Address: 13 British American Blvd.

Date Received: 02/22/02

Latham, NY 12110

PAI Project No: P2200336

Contact: Mr. Grant Anderson

Purchase Order: Verbal

Client Project ID: NYSEG Norwich

New York ELAP: 11221

Two (2) Tedlar Bag Samples labeled: "SVE Final Effluent" and "SVE Blower Effluent"

The samples were received at the laboratory under chain of custody on February 22, 2002. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

BTEX Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for benzene, toluene, ethylbenzene and total xylenes. The analyses were performed according to the methodology outlined in EPA Method TO-15. However, the method was modified to include the use of Tedlar bags. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5972 GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets.

Reviewed and Approved:

Wade Henton
Senior Chemist

Reviewed and Approved:

Chris Parnell
Senior Chemist



Performance Analytical Inc.

Air Quality Laboratory

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RESULTS OF ANALYSIS

Page 1 of 1

Client: IT Corporation

Client Sample ID: SVE Final Effluent

Client Project ID: NYSEG Norwich

PAI Project ID: P2200336

PAI Sample ID: P2200336-001

Test Code: Modified EPA TO-15

Instrument ID: HP5972/Tekmar AUTOCAN Elite

Analyst: Wade Henton

Sampling Media: Tedlar Bag

Test Notes:

Date Collected: 2/20/02

Date Received: 2/22/02

Date(s) Analyzed: 2/22/02

Volume(s) Analyzed: 0.10 Liter(s)

D.F. = 1.00

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	10	ND	3.1	
108-88-3	Toluene	16	10	4.3	2.7	
100-41-4	Ethylbenzene	ND	10	ND	2.3	
136777-61-2	<i>m,p</i> -Xylenes	18	10	4.1	2.3	
95-47-6	<i>o</i> -Xylene	ND	10	ND	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.



Performance Analytical Inc.

Air Quality Laboratory
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RESULTS OF ANALYSIS

Page 1 of 1

Client: IT Corporation

Client Sample ID: SVE Blower Effluent

Client Project ID: NYSEG Norwich

PAI Project ID: P2200336

PAI Sample ID: P2200336-002

Test Code: Modified EPA TO-15

Instrument ID: HP5972/Tekmar AUTOCAN Elite

Analyst: Wade Henton

Sampling Media: Tedlar Bag

Test Notes:

Date Collected: 2/20/02

Date Received: 2/22/02

Date(s) Analyzed: 2/23/02

Volume(s) Analyzed: 0.10 Liter(s)

D.F. = 1.00

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	10	ND	3.1	
108-88-3	Toluene	16	10	4.1	2.7	
100-41-4	Ethylbenzene	20	10	4.5	2.3	
136777-61-2	m,p-Xylenes	22	10	5.1	2.3	
95-47-6	o-Xylene	25	10	5.8	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.



Performance Analytical Inc.

Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
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RESULTS OF ANALYSIS

Page 1 of 1

Client: IT Corporation

Client Sample ID: Method Blank

Client Project ID: NYSEG Norwich

PAI Project ID: P2200336

PAI Sample ID: P020222-MB

Test Code: Modified EPA TO-15

Instrument ID: HP5972/Tekmar AUTOCAN Elite

Analyst: Wade Henton

Sampling Media: Tedlar Bag

Test Notes:

Date Collected: NA

Date Received: NA

Date(s) Analyzed: 2/22/02

Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	1.0	ND	0.31	
108-88-3	Toluene	ND	1.0	ND	0.27	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
136777-61-2	<i>m,p</i> -Xylenes	ND	1.0	ND	0.23	
95-47-6	<i>o</i> -Xylene	ND	1.0	ND	0.23	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Performance Analytical Inc.
Sample Acceptance Check Form

Client: It Corporation

Work order: P2200336

Project: NYSEG Noarich

Sample(s) received on: 2/22/02

Date opened: 2/22/02

by LC

Note: This form is used for all samples received by PAI. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

		<u>Yes</u>	<u>No</u>	<u>N/A</u>
1	Were custody seals on outside of cooler/Box?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Were custody seals on outside of sample container?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Were sample containers marked with client sample ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Did sample containers arrive in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were chain-of-custody papers used and filled out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Did sample container labels and/or tags agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Was sample volume received adequate for analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Are samples within specified holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Was proper temperature (thermal preservation) of cooler at receipt adhered to?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Cooler Temperature <u>NA</u> °C			
	Blank Temperature <u>NA</u> °C			
9	Is pH (acid) preservation necessary, according to method/SOP or Client specified information	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Is there a client indication that the submitted samples are pH (acid) preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were VOA vials checked for presence/absence of air bubbles?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Lab Sample ID	Required pH	pH (as received, if required)	VOA Headspace (Presence/Absence)
P2200336-001			NA
P2200336-001B			NA
P2200336-002			NA
P2200336-002B			NA

Explain any discrepancies: (include lab sample ID numbers): _____



314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

®

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CHAIN OF CUSTODY RECORD

P2200336

Client Name: <i>IT Corp / NYSEL Nantux</i>	Address: <i>13 Bantosh Avenue Blvd Latham NY</i>	
Send Report To: <i>Grant Anderson</i>	Project Name (Location): <i>NYSEL Nantux</i>	Samplers: (Names) <i>Robert H. H.</i>
Client Phone No: <i>518-783-1556</i>	PO Number:	Samplers: (Signature) <i>[Signature]</i>
Client Fax No: <i>518-783-8397</i>		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A-m. P-m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
	<i>SVE FWW Effluent</i>	<i>2-20-02</i>	<i>1300</i>	<i>A</i>		<i>X</i>	<i>2</i>	<i>EPA TO-14 BTEX only</i>
	<i>SVE Blower Effluent</i>		<i>1300</i>	<i>A</i>		<i>X</i>	<i>2</i>	<i>EPA TO-14 BTEX only</i>
				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				
				<i>A</i>				
				<i>P</i>				

Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day	Special Instructions/Remarks <i>Direct Bill NYSEL ATT John Ruspani</i>
CC Report To: <i>John Ruspani</i>	
Relinquished by: (Signature) <i>[Signature]</i> <i>2-20-02 1600</i>	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Received for Laboratory by: <i>[Signature]</i>
	Date/Time <i>2/22/02 10:00</i>

TEMPERATURE Ambient or Chilled Notes: _____	PROPERLY PRESERVED Y N Notes: _____	RECEIVED WITHIN HOLDING TIMES Y N Notes: _____
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WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy



Performance Analytical Inc.

Air Quality Laboratory
A Division of Columbia Analytical Services, Inc.
An Employee Owned Company

RECEIVED
Route To: Drew Graham

JUN 10

Proj: NYSEG Norwich
File Code:

LABORATORY REPORT

Client: SHAW E & I, INC.

Date of Report: 05/30/02

Address: 13 British American Boulevard

Date Received: 05/14/02

Latham, NY 12110

PAI Project No: P2200884

Contact: Mr. Drew Graham

Purchase Order: Verbal

Client Project ID: NYSEG Norwich

New York ELAP ID: 11221

Two (2) Tedlar Bag Samples labeled: "Leg-2 Blower Effluent" and "Leg-2 Final Effluent"

The samples were received at the laboratory under chain of custody on May 14, 2002. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

BTEX Analysis

The samples were analyzed by combined gas chromatography/mass spectrometry (GC/MS) for benzene, toluene, ethylbenzene and total xylenes. The analyses were performed according to the methodology outlined in EPA Method TO-15. However, the method was modified to include the use of Tedlar bags. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical system used was comprised of a Hewlett Packard Model 5972 GC/MS/DS interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The results of analyses are given on the attached data sheets.

Reviewed and Approved:

Christy Saint
Analytical Chemist

Reviewed and Approved:

Wade Henton
Senior Chemist



Performance Analytical Inc.

Air Quality Laboratory
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RESULTS OF ANALYSIS

Page 1 of 1

Client: Shaw E & I, Inc.
Client Sample ID: Leg-2 Blower Effluent
Client Project ID: NYSEG Norwich

PAI Project ID: P2200884
PAI Sample ID: P2200884-001

Test Code: Modified EPA TO-15
Instrument ID: HP5972/Tekmar AUTOCAN Elite
Analyst: Christy Saint
Sampling Media: Tedlar Bag
Test Notes:

Date Collected: 5/13/02
Date Received: 5/14/02
Date(s) Analyzed: 5/14/02
Volume(s) Analyzed: 0.10 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	10	ND	3.1	
108-88-3	Toluene	18	10	4.9	2.7	
100-41-4	Ethylbenzene	ND	10	ND	2.3	
136777-61-2	m,p -Xylenes	ND	10	ND	2.3	
95-47-6	o-Xylene	ND	10	ND	2.3	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.



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RESULTS OF ANALYSIS

Page 1 of 1

Client: **Shaw E & I, Inc.**
Client Sample ID: **Leg-2 Final Effluent**
Client Project ID: **NYSEG Norwich**

PAI Project ID: P2200884
PAI Sample ID: P2200884-002

Test Code: Modified EPA TO-15
Instrument ID: HP5972/Tekmar AUTOCAN Elite
Analyst: Christy Saint
Sampling Media: Tedlar Bag
Test Notes:

Date Collected: 5/13/02
Date Received: 5/14/02
Date(s) Analyzed: 5/14/02
Volume(s) Analyzed: 0.10 Liter(s)

D.F. = 1.00

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	10	ND	3.1	
108-88-3	Toluene	13	10	3.4	2.7	
100-41-4	Ethylbenzene	ND	10	ND	2.3	
136777-61-2	<i>m,p</i> -Xylenes	ND	10	ND	2.3	
95-47-6	<i>o</i> -Xylene	ND	10	ND	2.3	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.



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RESULTS OF ANALYSIS

Page 1 of 1

Client: Shaw E & I, Inc.

Client Sample ID: Method Blank

Client Project ID: NYSEG Norwich

PAI Project ID: P2200884

PAI Sample ID: P020514-MB

Test Code: Modified EPA TO-15

Instrument ID: HP5972/Tekmar AUTOCAN Elite

Analyst: Christy Saint

Sampling Media: Tedlar Bag

Test Notes:

Date Collected: NA

Date Received: NA

Date(s) Analyzed: 5/14/02

Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result $\mu\text{g}/\text{m}^3$	MRL $\mu\text{g}/\text{m}^3$	Result ppbV	MRL ppbV	Data Qualifier
71-43-2	Benzene	ND	1.0	ND	0.31	
108-88-3	Toluene	ND	1.0	ND	0.27	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
136777-61-2	<i>m,p</i> -Xylenes	ND	1.0	ND	0.23	
95-47-6	<i>o</i> -Xylene	ND	1.0	ND	0.23	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Performance Analytical Inc.
Sample Acceptance Check Form

Client: Shaw E & I

Work order: P2200884

Project: NYSEG Norwich

Sample(s) received on: 5/14/02

Date opened: 5/14/02

by SM

Note: This form is used for all samples received by PAI. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client or as required by the method/SOP.

		<u>Yes</u>	<u>No</u>	<u>N/A</u>
1	Were custody seals on outside of cooler/Box?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were custody seals on outside of sample container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Location of seal(s)? _____ Sealing Lid?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were signature and date included?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	Were sample containers marked with client sample ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Did sample containers arrive in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Were chain-of-custody papers used and filled out?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Did sample container labels and/or tags agree with custody papers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Was sample volume received adequate for analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Are samples within specified holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Was proper temperature (thermal preservation) of cooler at receipt adhered to?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Cooler Temperature <u>NA</u> °C			
	Blank Temperature <u>NA</u> °C			
9	Is pH (acid) preservation necessary, according to method/SOP or Client specified information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Is there a client indication that the submitted samples are pH (acid) preserved?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Were VOA vials checked for presence/absence of air bubbles?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Lab Sample ID	Required pH	pH (as received, if required)	VOA Headspace (Presence/Absence)
P2200884-001			NA
P2200884-002			NA

Explain any discrepancies: (include lab sample ID numbers): _____

Performance Analytical, Inc
Air Quality Laboratory
2665 Park Center Drive
Suite D
Simi Valley, Ca 93065

Project: NYSEG Unswick
Client: Shaw E+I
PM: Drew Graham
13 British American Blvd
Latham, NY 12110
Phone: 518-783-1996
Fax: 518-783-8397

P2200884

Sample ID	Date/Time	Analysis
Leg-2 Blower Effluent	5/13/02 1125	EPA TO-14 (BTEX only)
Leg-2 Final Effluent	5/13/02 1130	EPA TO-14 (BTEX only)

Notes: Please send invoice and copy of lab report to
John Ruspenti: @ NYSEG.

Reinforced By: D. Graham

Reinforced By:

Revised By: Perbore

Revised By: Aaron Malone
5/14/02 1026



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RECEIVED

Route To: _____

JAN 10

File Code: _____

NYS&G Norw...

8A

LABORATORY REPORT

for

NYS Electric & Gas
Kirkwood Industrial Park
Corporate Drive, PO 5224
Binghamton, NY 13902

Attention: John Ruspantini

Purchase Order #: 108196 06000000

Report date: 01/08/02

Number of samples analyzed: 2

AES Project ID: 011221AU

Invoice #: 236631

CC: IT Corp-G.A.

ELAP ID#: 10709

AIHA ID#: 100307



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GAC
AES sample #: 011221AU01

Samples taken by: J.Skaarup
MATRIX: Solid Sample

Date Sampled: 12/21/01
Date sample received: 12/21/01
Location: Norwich
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Corrosivity	SW-846	Non	Corrosive	LS-X-41	01/04/02
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-J-26	01/07/02
Cyanide	EPA-9012	<1	ug/g	MC-I	01/07/02
Sulfide	EPA-9034	43	ug/g	MC-J-26	01/07/02
TCLP Extraction (ZHE)	EPA-1311	Complete		JF-BZ-30	12/27/01
Benzene - TCLP Extract	EPA-8260	<85	ug/l	JF-BZ-30	12/28/01
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	JF-BZ-30	12/28/01
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	JF-BZ-30	12/28/01
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	JF-BZ-30	12/28/01
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	JF-BZ-30	12/28/01
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	JF-BZ-30	12/28/01
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	JF-BZ-30	12/28/01
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	JF-BZ-30	12/28/01
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	JF-BZ-30	12/28/01
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	JF-BZ-30	12/28/01
TCLP Extraction	EPA-1311	Complete		MT-CC-16	12/21/01
Nitrobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-CC-16	01/07/02
Pyridine-TCLP Extract	EPA-8270	<100	ug/l	MT-CC-16	01/07/02
Cresols (Total) TCLP Extract.	EPA-8270	<100	ug/l	MT-CC-16	01/07/02
1,4-Dichlorobenzene-TCLP Ext.	EPA-8270	<100	ug/l	MT-CC-16	01/07/02



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CLIENT: NYS Electric & Gas

CLIENT'S SAMPLE ID: GAC

AES sample #: 011221AU01

Date Sampled: 12/21/01

Date sample received: 12/21/01

Location: Norwich

Samples taken by: J.Skaarup

MATRIX: Solid Sample

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
2,4-Dinitrotoluene-TCLP Ext.	EPA-8270	<100	ug/l	MT-CC-16	01/07/02
Hexachlorobenzene-TCLP Extract	EPA-8270	<100	ug/l	MT-CC-16	01/07/02
Hexachlorobutadiene-TCLP Ext.	EPA-8270	<100	ug/l	MT-CC-16	01/07/02
Hexachloroethane-TCLP Extract	EPA-8270	<100	ug/l	MT-CC-16	01/07/02
Pentachlorophenol-TCLP Extract	EPA-8270	<500	ug/l	MT-CC-16	01/07/02
2,4,5-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-CC-16	01/07/02
2,4,6-Trichlorophenol-TCLP Ext	EPA-8270	<100	ug/l	MT-CC-16	01/07/02



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CLIENT: NYS Electric & Gas

Date Sampled: 12/21/01

CLIENT'S SAMPLE ID: Decon Water

Date sample received: 12/21/01

AES sample #: 011221AU02

Samples taken by: J.Skaarup

Location: Norwich

MATRIX: Water

composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Flashpoint	ASTM D93-80	>200	°F	PL-F-33	01/04/02
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-J-26	01/07/02
Cyanide	EPA-335.3	<0.01	mg/l	MC-I	01/04/02
Sulfide	EPA-9034	<10	mg/l	MC-J-26	01/07/02
Chloromethane	EPA-624	<10	ug/l	JF-BZ-30	12/28/01
Bromomethane	EPA-624	<10	ug/l	JF-BZ-30	12/28/01
Vinyl Chloride	EPA-624	<10	ug/l	JF-BZ-30	12/28/01
Chloroethane	EPA-624	<10	ug/l	JF-BZ-30	12/28/01
Methylene Chloride	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Acetone	EPA-624	<10	ug/l	JF-BZ-30	12/28/01
Carbon Disulfide	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
1,1-Dichloroethene	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
1,1-Dichloroethane	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
1,2-Dichloroethene Total	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Chloroform	EPA-624	5.0	ug/l	JF-BZ-30	12/28/01
1,2 Dichloroethane	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
2-Butanone	EPA-624	<10	ug/l	JF-BZ-30	12/28/01
1,1,1-Trichloroethane	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Carbon Tetrachloride	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Vinyl Acetate	EPA-624	<10	ug/l	JF-BZ-30	12/28/01



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: Decon Water
AES sample #: 011221AU02

Date Sampled: 12/21/01
Date sample received: 12/21/01
Samples taken by: J.Skaarup
Location: Norwich
MATRIX: Water composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Bromodichloromethane	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
1,2-Dichloropropane	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
trans-1,3-Dichloropropene	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Trichloroethene	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Dibromochloromethane	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
1,1,2-Trichloroethane	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Benzene	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
cis-1,3-Dichloropropene	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
2-Chloroethylvinylether	EPA-624	<10	ug/l	JF-BZ-30	12/28/01
Bromoform	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
4-Methyl-2-pentanone	EPA-624	<10	ug/l	JF-BZ-30	12/28/01
2-Hexanone	EPA-624	<10	ug/l	JF-BZ-30	12/28/01
Tetrachloroethene	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
1,1,2,2-Tetrachloroethane	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Toluene	EPA-624	24	ug/l	JF-BZ-30	12/28/01
Chlorobenzene	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Ethylbenzene	EPA-624	35	ug/l	JF-BZ-30	12/28/01
Styrene	EPA-624	<5	ug/l	JF-BZ-30	12/28/01
Xylenes, Total	EPA-624	41	ug/l	JF-BZ-30	12/28/01
1,2,4-Trichlorobenzene	EPA-625	<10	ug/l	MT-CC-16	01/07/02



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CLIENT: NYS Electric & Gas

Date Sampled: 12/21/01

CLIENT'S SAMPLE ID: Decon Water

Date sample received: 12/21/01

AES sample #: 011221AU02

Samples taken by: J.Skaarup

Location: Norwich

MATRIX: Water

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
1,2-Dichlorobenzene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
1,3-Dichlorobenzene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
1,4-Dichlorobenzene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
2-Chlorophenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
2-Methylphenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
4-Methylphenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
2-Nitrophenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
4-Nitrophenol	EPA-625	<50	ug/l	MT-CC-16	01/07/02
2,4 Dichlorophenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
2,4 Dimethylphenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
2,4 Dinitrophenol	EPA-625	<50	ug/l	MT-CC-16	01/07/02
2,4,6 Trichlorophenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
2,4,5-Trichlorophenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
4-Chloro-3-methylphenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
4-Bromophenyl-phenylether	EPA-625	<10	ug/l	MT-CC-16	01/07/02
4,6-Dinitro-2-Methylphenol	EPA-625	<50	ug/l	MT-CC-16	01/07/02
4-Chlorophenyl-phenylether	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Pentachlorophenol	EPA-625	<50	ug/l	MT-CC-16	01/07/02
Phenol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
4-Chloroaniline	EPA-625	<50	ug/l	MT-CC-16	01/07/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: Decon Water
AES sample #: 011221AU02

Samples taken by: J.Skaarup
MATRIX: Water

Date Sampled: 12/21/01
Date sample received: 12/21/01
Location: Norwich
composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
2-Nitroaniline	EPA-625	<50	ug/l	MT-CC-16	01/07/02
3-Nitroaniline	EPA-625	<50	ug/l	MT-CC-16	01/07/02
4-Nitroaniline	EPA-625	<50	ug/l	MT-CC-16	01/07/02
2-Methylnaphthalene	EPA-625	130	ug/l	MT-CC-16	01/07/02
2-Chloronaphthalene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
2,4-Dinitrotoluene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
2,6-Dinitrotoluene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Bis(2-Chloroethyl)ether	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Benzyl Alcohol	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Bis(2-Chloroisopropyl)ether	EPA-625	<10	ug/l	MT-CC-16	01/07/02
N-Nitroso-di-n-propylamine	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Hexachloroethane	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Nitrobenzene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Isophorone	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Benzoic Acid	EPA-625	<50	ug/l	MT-CC-16	01/07/02
Bis(2-Chloroethoxy)methane	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Naphthalene	EPA-625	360	ug/l	MT-CC-16	01/07/02
Hexachlorobutadiene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Hexachlorocyclopentadiene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Dimethylphthalate	EPA-625	<10	ug/l	MT-CC-16	01/07/02



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CLIENT: NYS Electric & Gas

CLIENT'S SAMPLE ID: Decon Water

AES sample #: 011221AU02

Samples taken by: J.Skaarup

MATRIX: Water

Date Sampled: 12/21/01

Date sample received: 12/21/01

Location: Norwich

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Acenaphthylene	EPA-625	99	ug/l	MT-CC-16	01/07/02
Acenaphthene	EPA-625	63	ug/l	MT-CC-16	01/07/02
Diethylphthalate	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Fluorene	EPA-625	44	ug/l	MT-CC-16	01/07/02
N-Nitrosodiphenylamine	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Hexachlorobenzene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Phenanthrene	EPA-625	76	ug/l	MT-CC-16	01/07/02
Anthracene	EPA-625	34	ug/l	MT-CC-16	01/07/02
Di-n-butyl phthalate	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Fluoranthene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Pyrene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Butyl benzyl phthalate	EPA-625	<10	ug/l	MT-CC-16	01/07/02
3,3'-Dichlorobenzidine	EPA-625	<20	ug/l	MT-CC-16	01/07/02
Benzo(a)anthracene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Bis(2-ethylhexyl)phthalate	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Chrysene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Di-n-octylphthalate	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Benzo(b)fluoranthene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Benzo(k)fluoranthene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Benzo(a)pyrene	EPA-625	<10	ug/l	MT-CC-16	01/07/02



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CLIENT: NYS Electric & Gas

Date Sampled: 12/21/01

CLIENT'S SAMPLE ID: Decon Water

Date sample received: 12/21/01

AES sample #: 011221AU02

Samples taken by: J.Skaarup

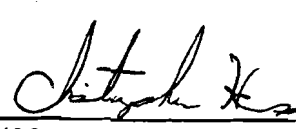
Location: Norwich

MATRIX: Water

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Indeno(1,2,3-cd)pyrene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Dibenzo(a,h)anthracene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Benzo(g,h,i)perylene	EPA-625	<10	ug/l	MT-CC-16	01/07/02
Dibenzofuran	EPA-625	11	ug/l	MT-CC-16	01/07/02

APPROVED BY: 
Report date: 01/08/02



314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

REQUEST FOR ANALYSIS

CLIENT NAME NYSEG	PROJECT NAME (Location) Norwich	SAMPLERS' (Names) John Skarup
ADDRESS	PO NUMBER 108/96 06000000	SAMPLERS' (Signatures) John A. Skarup

AES SAMPLE NUMBER	SAMPLE IDENTIFICATION	DATE SAMPLED	TIME A = A.M. P = P.M.	MEDIA TYPE/ MATRIX	NO. OF CONT'S	AIR SAMPLE VOLUME (LITERS)	TOTAL SAMPLING TIME (MIN.)	ANALYSIS REQUESTED
11221 Au01	GAC	12/21/01	8:30	Composite Carbon/dry	4		10	TEL P Volatile Semi, Chlorinated, reactivity, Coliforms
	Decon Water	12/21/01	8:40	Composite water	3		5	VOCs, SVOCs
Au02	Decon Water	12/21/01	8:40	Composite water	2		5	SVOCs PAHs/alk
	Decon Water	12/21/01	8:40	Composite water	1		5	Flame point/Reactivity
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				

SEND REPORT TO Grant Anderson, IT 13 British American Blvd. Latham, NY 12110	SEND INVOICE TO Bill NYSEG directly. Contact: Burt Fiach	COMMENTS
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TURN-AROUND TIME — PLEASE CHECK ALL THAT APPLY

☒ STANDARD SERVICE

☐ *RUSH SERVICE — Results requested by:

☒ FAX RESULTS TO: **Grant Anderson**

FAX # **(518) 783-1996**

☐ PHONE RESULTS TO: _____ PH # () _____

*Turn-around time varies by substance. For most substances, standard turn-around time is ten (10) working days.
Please inquire for capacity of rush analysis.

LABORATORY APPROVAL	DATE	TIME	RECEIVED FOR LABORATORY BY M	DATE 12/21/01	TIME 3:11
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CHAIN OF CUSTODY

RELINQUISHED BY (Signature) John A. Skarup	RECEIVED BY (Signature)	DATE	TIME
RELINQUISHED BY (Signature)	RECEIVED BY (Signature)	DATE	TIME



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LABORATORY REPORT

for

NYS Electric & Gas
Kirkwood Industrial Park
Corporate Drive, PO 5224
Binghamton, NY 13902

Attention: John Ruspantini

Report date: 03/07/02
Number of samples analyzed: 12
AES Project ID: 020221 F
Invoice #: 238607



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 91-5
AES sample #: 020221 F01

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	<0.5	ug/l	SO-A	02/21/02
Ethylbenzene	EPA-8021	<1	ug/l	SO-A	02/21/02
Toluene	EPA-8021	<1	ug/l	SO-A	02/21/02
o-Xylene	EPA-8021	<1	ug/l	SO-A	02/21/02
m,p-Xylene	EPA-8021	<1	ug/l	SO-A	02/21/02
Isopropyl Benzene	EPA-8021	<1	ug/l	SO-A	02/21/02
n-Propylbenzene	EPA-8021	<1	ug/l	SO-A	02/21/02
p-Cymene	EPA-8021	<1	ug/l	SO-A	02/21/02
1,2,4-Trimethylbenzene	EPA-8021	<1	ug/l	SO-A	02/21/02
1,3,5-TMB & Sec-BB Total	EPA-8021	<1	ug/l	SO-A	02/21/02
n-Butylbenzene	EPA-8021	<1	ug/l	SO-A	02/21/02
Naphthalene	EPA-8021	<5	ug/l	SO-A	02/21/02
Methyl-t-Butyl Ether	EPA-8021	<2	ug/l	SO-A	02/21/02
t-Butylbenzene	EPA-8021	<1	ug/l	SO-A	02/21/02
Acenaphthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 91-5
AES sample #: 020221 F01

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde Location: NYSEG Norwich
MATRIX: Water grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chrysene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluorene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Phenanthrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Naphthalene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 91-6
AES sample #: 020221 F02

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
MATRIX: Water
Location: NYSEG Norwich
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	48	ug/l	SO-A	02/21/02
Ethylbenzene	EPA-8021	240	ug/l	SO-A	02/21/02
Toluene	EPA-8021	<50	ug/l	SO-A	02/21/02
o-Xylene	EPA-8021	130	ug/l	SO-A	02/21/02
m,p-Xylene	EPA-8021	<50	ug/l	SO-A	02/21/02
Isopropyl Benzene	EPA-8021	<50	ug/l	SO-A	02/21/02
n-Propylbenzene	EPA-8021	<50	ug/l	SO-A	02/21/02
p-Cymene	EPA-8021	<50	ug/l	SO-A	02/21/02
1,2,4-Trimethylbenzene	EPA-8021	110	ug/l	SO-A	02/21/02
1,3,5-TMB & Sec-EB Total	EPA-8021	46	ug/l	SO-A	02/21/02
n-Butylbenzene	EPA-8021	<50	ug/l	SO-A	02/21/02
Naphthalene	EPA-8021	1400	ug/l	SO-A	02/21/02
Methyl-t-Butyl Ether	EPA-8021	<100	ug/l	SO-A	02/21/02
t-Butylbenzene	EPA-8021	<50	ug/l	SO-A	02/21/02
Acenaphthene	EPA-8270	95	ug/l	MT-CC-37	02/28/02
Anthracene	EPA-8270	5.5 J	ug/l	MT-CC-37	02/28/02
Benzo(a)anthracene	EPA-8270	1.6 J	ug/l	MT-CC-37	02/28/02
Benzo(a)pyrene	EPA-8270	1.0 J	ug/l	MT-CC-37	02/28/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 91-6
AES sample #: 020221 F02

Date Sampled: 02/20/02

Date sample received: 02/21/02

Samples taken by: Robert Hyde
MATRIX: Water
Location: NYSEG Norwich
grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
Chrysene	EPA-8270	1.3 J	ug/l	MT-CC-37	02/28/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluoranthene	EPA-8270	7.5 J	ug/l	MT-CC-37	02/28/02
Fluorene	EPA-8270	16	ug/l	MT-CC-37	02/28/02
Phenanthrene	EPA-8270	3.6 J	ug/l	MT-CC-37	02/28/02
Pyrene	EPA-8270	1.3 J	ug/l	MT-CC-37	02/28/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Naphthalene	EPA-8270	330	ug/l	MT-CC-37	02/28/02
Dibenzofuran	EPA-8270	3.2 J	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 92-8
AES sample #: 020221 F03

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	41	ug/l	SO-A	02/22/02
Ethylbenzene	EPA-8021	250	ug/l	SO-A	02/22/02
Toluene	EPA-8021	<5	ug/l	SO-A	02/22/02
o-Xylene	EPA-8021	82	ug/l	SO-A	02/22/02
m,p-Xylene	EPA-8021	9	ug/l	SO-A	02/22/02
Isopropyl Benzene	EPA-8021	23	ug/l	SO-A	02/22/02
n-Propylbenzene	EPA-8021	8	ug/l	SO-A	02/22/02
p-Cymene	EPA-8021	<5	ug/l	SO-A	02/22/02
1,2,4-Trimethylbenzene	EPA-8021	49	ug/l	SO-A	02/22/02
1,3,5-TMB & Sec-BB Total	EPA-8021	28	ug/l	SO-A	02/22/02
n-Butylbenzene	EPA-8021	<5	ug/l	SO-A	02/22/02
Naphthalene	EPA-8021	985	ug/l	SO-A	02/22/02
Methyl-t-Butyl Ether	EPA-8021	<10	ug/l	SO-A	02/22/02
t-Butylbenzene	EPA-8021	<5	ug/l	SO-A	02/22/02
Acenaphthene	EPA-8270	77	ug/l	MT-CC-37	02/28/02
Anthracene	EPA-8270	6.2 J	ug/l	MT-CC-37	02/28/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 92-8
AES sample #: 020221 F03

Date Sampled: 02/20/02
Date sample received: 02/21/02
Location: NYSEG Norwich
grab

Samples taken by: Robert Hyde
MATRIX: Water

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chrysene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluoranthene	EPA-8270	4.0	ug/l	MT-CC-37	02/28/02
Fluorene	EPA-8270	16	ug/l	MT-CC-37	02/28/02
Phenanthrene	EPA-8270	20	ug/l	MT-CC-37	02/28/02
Pyrene	EPA-8270	3.2 J	ug/l	MT-CC-37	02/28/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Naphthalene	EPA-8270	61	ug/l	MT-CC-37	02/28/02
Dibenzofuran	EPA-8270	3.8	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 92-11S
AES sample #: 020221 F04

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
Location: NYSEG Norwich
MATRIX: Water
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	3	ug/l	SO-A	02/21/02
Ethylbenzene	EPA-8021	2	ug/l	SO-A	02/21/02
Toluene	EPA-8021	<1	ug/l	SO-A	02/21/02
o-Xylene	EPA-8021	2	ug/l	SO-A	02/21/02
m,p-Xylene	EPA-8021	<1	ug/l	SO-A	02/21/02
Isopropyl Benzene	EPA-8021	<1	ug/l	SO-A	02/21/02
n-Propylbenzene	EPA-8021	<1	ug/l	SO-A	02/21/02
p-Cymene	EPA-8021	<1	ug/l	SO-A	02/21/02
1,2,4-Trimethylbenzene	EPA-8021	<1	ug/l	SO-A	02/21/02
1,3,5-TMB & Sec-BB Total	EPA-8021	<1	ug/l	SO-A	02/21/02
n-Butylbenzene	EPA-8021	<1	ug/l	SO-A	02/21/02
Naphthalene	EPA-8021	<5	ug/l	SO-A	02/21/02
Methyl-t-Butyl Ether	EPA-8021	<2	ug/l	SO-A	02/21/02
t-Butylbenzene	EPA-8021	<1	ug/l	SO-A	02/21/02
Acenaphthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 92-11S

Date Sampled: 02/20/02

Date sample received: 02/21/02

AES sample #: 020221 F04

Samples taken by: Robert Hyde

Location: NYSEG Norwich

MATRIX: Water

grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chrysene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluorene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Phenanthrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Naphthalene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 92-11D
AES sample #: 020221 F05

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	120	ug/l	SO-A	02/22/02
Ethylbenzene	EPA-8021	23	ug/l	SO-A	02/22/02
Toluene	EPA-8021	7	ug/l	SO-A	02/22/02
o-Xylene	EPA-8021	47	ug/l	SO-A	02/22/02
m,p-Xylene	EPA-8021	16	ug/l	SO-A	02/22/02
Isopropyl Benzene	EPA-8021	6	ug/l	SO-A	02/22/02
n-Propylbenzene	EPA-8021	<5	ug/l	SO-A	02/22/02
p-Cymene	EPA-8021	<5	ug/l	SO-A	02/22/02
1,2,4-Trimethylbenzene	EPA-8021	19	ug/l	SO-A	02/22/02
1,3,5-TMB & Sec-BB Total	EPA-8021	8	ug/l	SO-A	02/22/02
n-Butylbenzene	EPA-8021	<5	ug/l	SO-A	02/22/02
Naphthalene	EPA-8021	260	ug/l	SO-A	02/22/02
Methyl-t-Butyl Ether	EPA-8021	<10	ug/l	SO-A	02/22/02
t-Butylbenzene	EPA-8021	<5	ug/l	SO-A	02/22/02
Acenaphthene	EPA-8270	20	ug/l	MT-CC-37	02/28/02
Anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 92-11D
AES sample #: 020221 F05

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
Location: NYSEG Norwich
MATRIX: Water grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chrysene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluoranthene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluorene	EPA-8270	2.4 J	ug/l	MT-CC-37	02/28/02
Phenanthrene	EPA-8270	2.6 J	ug/l	MT-CC-37	02/28/02
Pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Naphthalene	EPA-8270	71	ug/l	MT-CC-37	02/28/02
Dibenzofuran	EPA-8270	1.6 J	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas

CLIENT'S SAMPLE ID: GW 92-11D MS

AES sample #: 020221 F06

Date Sampled: 02/20/02

Date sample received: 02/21/02

Samples taken by: Robert Hyde Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	111	%	SO-A	02/21/02
Toluene	EPA-8021	94	%	SO-A	02/21/02
o-Xylene	EPA-8021	96	%	SO-A	02/21/02
m,p-Xylene	EPA-8021	90	%	SO-A	02/21/02
Acenaphthene	EPA-8270	66	%	MT-CC-37	02/28/02
Pyrene	EPA-8270	80	%	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas

Date Sampled: 02/20/02

CLIENT'S SAMPLE ID: GW 92-11D MSD

Date sample received: 02/21/02

AES sample #: 020221 F07

Samples taken by: Robert Hyde

Location: NYSEG Norwich

MATRIX: Water

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	100	%	SO-A	02/21/02
Toluene	EPA-8021	86	%	SO-A	02/21/02
o-Xylene	EPA-8021	88	%	SO-A	02/21/02
m,p-Xylene	EPA-8021	83	%	SO-A	02/21/02
Acenaphthene	EPA-8270	69	%	MT-CC-37	02/28/02
Pyrene	EPA-8270	90	%	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: SP MP 1S
AES sample #: 020221 F08

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	5	ug/l	SO-A	02/21/02
Ethylbenzene	EPA-8021	15	ug/l	SO-A	02/21/02
Toluene	EPA-8021	<5	ug/l	SO-A	02/21/02
o-Xylene	EPA-8021	31	ug/l	SO-A	02/21/02
m,p-Xylene	EPA-8021	6	ug/l	SO-A	02/21/02
Isopropyl Benzene	EPA-8021	<5	ug/l	SO-A	02/21/02
n-Propylbenzene	EPA-8021	<5	ug/l	SO-A	02/21/02
p-Cymene	EPA-8021	<5	ug/l	SO-A	02/21/02
1,2,4-Trimethylbenzene	EPA-8021	35	ug/l	SO-A	02/21/02
1,3,5-TMB & Sec-BB Total	EPA-8021	27	ug/l	SO-A	02/21/02
n-Butylbenzene	EPA-8021	19	ug/l	SO-A	02/21/02
Naphthalene	EPA-8021	130	ug/l	SO-A	02/21/02
Methyl-t-Butyl Ether	EPA-8021	<10	ug/l	SO-A	02/21/02
t-Butylbenzene	EPA-8021	<5	ug/l	SO-A	02/21/02
Acenaphthene	EPA-8270	350	ug/l	MT-CC-37	03/05/02
Anthracene	EPA-8270	140	ug/l	MT-CC-37	03/05/02
Benzo(a)anthracene	EPA-8270	120	ug/l	MT-CC-37	03/05/02
Benzo(a)pyrene	EPA-8270	100	ug/l	MT-CC-37	03/05/02
Benzo(b)fluoranthene	EPA-8270	38 J	ug/l	MT-CC-37	03/05/02
Benzo(k)fluoranthene	EPA-8270	55	ug/l	MT-CC-37	03/05/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: SP MP 1S
AES sample #: 020221 F08

Date Sampled: 02/20/02

Date sample received: 02/21/02

Samples taken by: Robert Hyde
MATRIX: Water

Location: NYSEG Norwich
grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chrysene	EPA-8270	100	ug/l	MT-CC-37	03/05/02
Dibenzo(a,h)anthracene	EPA-8270	<50	ug/l	MT-CC-37	03/05/02
Fluoranthene	EPA-8270	280	ug/l	MT-CC-37	03/05/02
Fluorene	EPA-8270	160	ug/l	MT-CC-37	03/05/02
Phenanthrene	EPA-8270	380	ug/l	MT-CC-37	03/05/02
Pyrene	EPA-8270	260	ug/l	MT-CC-37	03/05/02
Benzo(g,h,i)perylene	EPA-8270	50	ug/l	MT-CC-37	03/05/02
Indeno(1,2,3-cd)pyrene	EPA-8270	55	ug/l	MT-CC-37	03/05/02
Naphthalene	EPA-8270	80	ug/l	MT-CC-37	03/05/02
Dibenzofuran	EPA-8270	14 J	ug/l	MT-CC-37	03/05/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: SP MP 2S
AES sample #: 020221 F09

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	<2.5	ug/l	SO-A	02/22/02
Ethylbenzene	EPA-8021	39	ug/l	SO-A	02/22/02
Toluene	EPA-8021	<5	ug/l	SO-A	02/22/02
o-Xylene	EPA-8021	33	ug/l	SO-A	02/22/02
m,p-Xylene	EPA-8021	<5	ug/l	SO-A	02/22/02
Isopropyl Benzene	EPA-8021	<5	ug/l	SO-A	02/22/02
n-Propylbenzene	EPA-8021	<5	ug/l	SO-A	02/22/02
p-Cymene	EPA-8021	<5	ug/l	SO-A	02/22/02
1,2,4-Trimethylbenzene	EPA-8021	64	ug/l	SO-A	02/22/02
1,3,5-TMB & Sec-BB Total	EPA-8021	24	ug/l	SO-A	02/22/02
n-Butylbenzene	EPA-8021	19	ug/l	SO-A	02/22/02
Naphthalene	EPA-8021	98	ug/l	SO-A	02/22/02
Methyl-t-Butyl Ether	EPA-8021	<10	ug/l	SO-A	02/22/02
t-Butylbenzene	EPA-8021	<5	ug/l	SO-A	02/22/02
Acenaphthene	EPA-8270	110	ug/l	MT-CC-37	02/28/02
Anthracene	EPA-8270	48	ug/l	MT-CC-37	02/28/02
Benzo(a)anthracene	EPA-8270	28	ug/l	MT-CC-37	02/28/02
Benzo(a)pyrene	EPA-8270	21	ug/l	MT-CC-37	02/28/02
Benzo(b)fluoranthene	EPA-8270	8.2 J	ug/l	MT-CC-37	02/28/02
Benzo(k)fluoranthene	EPA-8270	12	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: SP MP 2S
AES sample #: 020221 F09

Date Sampled: 02/20/02

Date sample received: 02/21/02

Samples taken by: Robert Hyde
MATRIX: Water
Location: NYSEG Norwich grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chrysene	EPA-8270	25	ug/l	MT-CC-37	02/28/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluoranthene	EPA-8270	68	ug/l	MT-CC-37	02/28/02
Fluorene	EPA-8270	57	ug/l	MT-CC-37	02/28/02
Phenanthrene	EPA-8270	160	ug/l	MT-CC-37	02/28/02
Pyrene	EPA-8270	63	ug/l	MT-CC-37	02/28/02
Benzo(g,h,i)perylene	EPA-8270	4.7 J	ug/l	MT-CC-37	02/28/02
Indeno(1,2,3-cd)pyrene	EPA-8270	5.0 J	ug/l	MT-CC-37	02/28/02
Naphthalene	EPA-8270	42	ug/l	MT-CC-37	02/28/02
Dibenzofuran	EPA-8270	7.0 J	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 01-14
AES sample #: 020221 F10

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	130	ug/l	SO-A	02/25/02
Ethylbenzene	EPA-8021	400	ug/l	SO-A	02/25/02
Toluene	EPA-8021	53	ug/l	SO-A	02/25/02
o-Xylene	EPA-8021	170	ug/l	SO-A	02/25/02
m,p-Xylene	EPA-8021	76	ug/l	SO-A	02/25/02
Isopropyl Benzene	EPA-8021	30	ug/l	SO-A	02/25/02
n-Propylbenzene	EPA-8021	10	ug/l	SO-A	02/25/02
p-Cymene	EPA-8021	<10	ug/l	SO-A	02/25/02
1,2,4-Trimethylbenzene	EPA-8021	170	ug/l	SO-A	02/25/02
1,3,5-TMB & Sec-BB Total	EPA-8021	80	ug/l	SO-A	02/25/02
n-Butylbenzene	EPA-8021	21	ug/l	SO-A	02/25/02
Naphthalene	EPA-8021	860	ug/l	SO-A	02/25/02
Methyl-t-Butyl Ether	EPA-8021	<20	ug/l	SO-A	02/25/02
t-Butylbenzene	EPA-8021	<10	ug/l	SO-A	02/25/02
Acenaphthene	EPA-8270	320	ug/l	MT-CC-37	02/28/02
Anthracene	EPA-8270	56	ug/l	MT-CC-37	02/28/02
Benzo(a)anthracene	EPA-8270	38	ug/l	MT-CC-37	02/28/02
Benzo(a)pyrene	EPA-8270	30	ug/l	MT-CC-37	02/28/02
Benzo(b)fluoranthene	EPA-8270	18	ug/l	MT-CC-37	02/28/02
Benzo(k)fluoranthene	EPA-8270	20	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas

Date Sampled: 02/20/02

CLIENT'S SAMPLE ID: GW 01-14

Date sample received: 02/21/02

AES sample #: 020221 F10

Samples taken by: Robert Hyde

Location: NYSEG Norwich

MATRIX: Water

grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chrysene	EPA-8270	29	ug/l	MT-CC-37	02/28/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CC-37	02/28/02
Fluoranthene	EPA-8270	97	ug/l	MT-CC-37	02/28/02
Fluorene	EPA-8270	110	ug/l	MT-CC-37	02/28/02
Phenanthrene	EPA-8270	180	ug/l	MT-CC-37	02/28/02
Pyrene	EPA-8270	120	ug/l	MT-CC-37	02/28/02
Benzo(g,h,i)perylene	EPA-8270	8 J	ug/l	MT-CC-37	02/28/02
Indeno(1,2,3-cd)pyrene	EPA-8270	11	ug/l	MT-CC-37	02/28/02
Naphthalene	EPA-8270	480	ug/l	MT-CC-37	02/28/02
Dibenzofuran	EPA-8270	29	ug/l	MT-CC-37	02/28/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 01-15S

Date Sampled: 02/20/02

Date sample received: 02/21/02

AES sample #: 020221 F11

Samples taken by: Robert Hyde

Location: NYSEG Norwich

MATRIX: Water

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	23	ug/l	SO-A	02/22/02
Ethylbenzene	EPA-8021	81	ug/l	SO-A	02/22/02
Toluene	EPA-8021	<25	ug/l	SO-A	02/22/02
o-Xylene	EPA-8021	54	ug/l	SO-A	02/22/02
m,p-Xylene	EPA-8021	57	ug/l	SO-A	02/22/02
Isopropyl Benzene	EPA-8021	<25	ug/l	SO-A	02/22/02
n-Propylbenzene	EPA-8021	<25	ug/l	SO-A	02/22/02
p-Cymene	EPA-8021	<25	ug/l	SO-A	02/22/02
1,2,4-Trimethylbenzene	EPA-8021	50	ug/l	SO-A	02/22/02
1,3,5-TMB & Sec-BB Total	EPA-8021	40	ug/l	SO-A	02/22/02
n-Butylbenzene	EPA-8021	<25	ug/l	SO-A	02/22/02
Naphthalene	EPA-8021	880	ug/l	SO-A	02/22/02
Methyl-t-Butyl Ether	EPA-8021	<50	ug/l	SO-A	02/22/02
t-Butylbenzene	EPA-8021	<25	ug/l	SO-A	02/22/02
Acenaphthene	EPA-8270	180	ug/l	MT-CC-37	03/05/02
Anthracene	EPA-8270	56	ug/l	MT-CC-37	03/05/02
Benzo(a)anthracene	EPA-8270	28	ug/l	MT-CC-37	03/05/02
Benzo(a)pyrene	EPA-8270	24	ug/l	MT-CC-37	03/05/02
Benzo(b)fluoranthene	EPA-8270	9.6 J	ug/l	MT-CC-37	03/05/02
Benzo(k)fluoranthene	EPA-8270	12 J	ug/l	MT-CC-37	03/05/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW 01-15S
AES sample #: 020221 F11

Date Sampled: 02/20/02
Date sample received: 02/21/02
Samples taken by: Robert Hyde
Location: NYSEG Norwich
MATRIX: Water grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chrysene	EPA-8270	26	ug/l	MT-CC-37	03/05/02
Dibenzo(a,h)anthracene	EPA-8270	<20	ug/l	MT-CC-37	03/05/02
Fluoranthene	EPA-8270	74	ug/l	MT-CC-37	03/05/02
Fluorene	EPA-8270	66	ug/l	MT-CC-37	03/05/02
Phenanthrene	EPA-8270	160	ug/l	MT-CC-37	03/05/02
Pyrene	EPA-8270	62	ug/l	MT-CC-37	03/05/02
Benzo(g,h,i)perylene	EPA-8270	11 J	ug/l	MT-CC-37	03/05/02
Indeno(1,2,3-cd)pyrene	EPA-8270	13 J	ug/l	MT-CC-37	03/05/02
Naphthalene	EPA-8270	64	ug/l	MT-CC-37	03/05/02
Dibenzofuran	EPA-8270	9.2 J	ug/l	MT-CC-37	03/05/02



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CLIENT: NYS Electric & Gas

Date Sampled: 02/20/02

CLIENT'S SAMPLE ID: Trip Blank

Date sample received: 02/21/02

AES sample #: 020221 F12


Samples taken by: Robert Hyde

Location: NYSEG Norwich

MATRIX: Water

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	<0.5	ug/l	SO-A	02/22/02
Ethylbenzene	EPA-8021	<1	ug/l	SO-A	02/22/02
Toluene	EPA-8021	<1	ug/l	SO-A	02/22/02
o-Xylene	EPA-8021	<1	ug/l	SO-A	02/22/02
m,p-Xylene	EPA-8021	<1	ug/l	SO-A	02/22/02
Isopropyl Benzene	EPA-8021	<1	ug/l	SO-A	02/22/02
n-Propylbenzene	EPA-8021	<1	ug/l	SO-A	02/22/02
p-Cymene	EPA-8021	<1	ug/l	SO-A	02/22/02
1,2,4-Trimethylbenzene	EPA-8021	<1	ug/l	SO-A	02/22/02
1,3,5-TMB & Sec-BB Total	EPA-8021	<1	ug/l	SO-A	02/22/02
n-Butylbenzene	EPA-8021	<1	ug/l	SO-A	02/22/02
Naphthalene	EPA-8021	<5	ug/l	SO-A	02/22/02
Methyl-t-Butyl Ether	EPA-8021	<2	ug/l	SO-A	02/22/02
t-Butylbenzene	EPA-8021	<1	ug/l	SO-A	02/22/02

APPROVED BY: 
Report date: 03/07/02

NYSEG

CHAIN OF CUSTODY RECORD



314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: <u>IT Corporation</u>		Address: <u>13 British American Blvd Latham NY 12110</u>	
Send Report To: <u>John Rossetti</u>		Project Name (Location): <u>NYSEG Narraville</u>	Samplers: (Names) <u>Reuben Hyde</u>
Client Phone No: <u>518-783-1516</u>		PO Number:	Samplers: (Signature) <u>[Signature]</u>
Client Fax No: <u>518-783-3397</u>			

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
Q20321 F01	GW 91-5	2-20-02	11:00	P W		X	3	EPA 8201 9270 PM, only
F02	GW 91-6		11:00	P W		X	3	
F03	GW 92-8		11:30	P W		X	3	
F04	GW 92-11S		11:30	P W		X	3	
F05	GW 92-11D		11:40	P W		X	3	
F06	GW 92-11D AS/MSD		11:40	P W		X	3	
F08	SP mp 1S*		11:50	P W		X	3	
F09	SP mp 2S*		12:00	P W		X	3	
F10	GW 01-14*		12:10	P W		X	3	
F11	GW 01-15S*		12:10	P W		X	3	
F12	TRIP BLANK			P WH		X	1	(8021)
				A				
				P				
				A				
				P				
				A				
				P				

Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day		Special Instructions/Remarks <u>* The marked samples have a blank shown</u>	
CC Report To:			
Relinquished by: (Signature) <u>[Signature]</u>		Received by: (Signature) <u>[Signature]</u>	Date/Time
Relinquished by: (Signature)		Received for Laboratory by: <u>[Signature]</u>	Date/Time <u>2/21/02 842</u>

TEMPERATURE Ambient or <u>Chilled</u> Notes: <u>20C</u>	PROPERLY PRESERVED <u>Y</u> N Notes:	RECEIVED WITHIN HOLDING TIMES <u>Y</u> N Notes:
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WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Route To: _____

JUN 06



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Proj: _____

File Code: _____

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LABORATORY REPORT

for

NYS Electric & Gas
Kirkwood Industrial Park
Corporate Drive, PO 5224
Binghamton, NY 13902

Attention: John Ruspantini

cc: Shaw Env.

Report date: 05/29/02
Number of samples analyzed: 12
AES Project ID: 020513 Y
Invoice #: 241917

ELAP ID#: 10709

AIHA ID#: 100307

Page

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Albany, NY



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: Carbon
AES sample #: 020513 Y01

Date Sampled: 05/13/02
Date sample received: 05/13/02
Location: NYSEG Norwich
Samples taken by: D. Graham
MATRIX: Solid Sample composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-J-46	05/28/02
Cyanide	EPA-9012	<1	ug/g	MC-J	05/28/02
Sulfide	EPA-9034	<10	ug/g	MC-J-46	05/28/02
TCLP Extraction (ZHE)	EPA-1311	Complete		MG-CA-18	05/16/02
Benzene - TCLP Extract	EPA-8260	<85	ug/l	MG-CA-18	05/17/02
Carbon Tetrachloride-TCLP Ext.	EPA-8260	<85	ug/l	MG-CA-18	05/17/02
Chlorobenzene-TCLP Extract	EPA-8260	<85	ug/l	MG-CA-18	05/17/02
Chloroform-TCLP Extract	EPA-8260	<85	ug/l	MG-CA-18	05/17/02
1,2-Dichloroethane-TCLP Ext.	EPA-8260	<85	ug/l	MG-CA-18	05/17/02
1,1-Dichloroethene-TCLP Ext.	EPA-8260	<85	ug/l	MG-CA-18	05/17/02
Methyl Ethyl Ketone-TCLP Ext.	EPA-8260	<170	ug/l	MG-CA-18	05/17/02
Tetrachlorethylene-TCLP Ext.	EPA-8260	<85	ug/l	MG-CA-18	05/17/02
Trichloroethylene-TCLP Extract	EPA-8260	<85	ug/l	MG-CA-18	05/17/02
Vinyl Chloride-TCLP Extraction	EPA-8260	<170	ug/l	MG-CA-18	05/17/02



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CLIENT: NYS Electric & Gas

CLIENT'S SAMPLE ID: Purge Water

AES sample #: 020513 Y02

Samples taken by: D. Graham

MATRIX: Water

Date Sampled: 05/13/02

Date sample received: 05/13/02

Location: NYSEG Norwich
composite

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
pH	EPA-150.1	11.8	su	KS-Y-23	05/13/02
Reactivity	SW-846 Sec.7.3	Non	Reactive	MC-J-46	05/28/02
Cyanide	EPA-335.3	<1	ug/g	MC-J	05/28/02
Sulfide	EPA-9034	<10	ug/g	MC-J-46	05/28/02
Flashpoint	ASTM D93-80	>200	°F	PL-F-40	05/16/02
Chloromethane	EPA-624	<10	ug/l	MG-CA-18	05/16/02
Bromomethane	EPA-624	<10	ug/l	MG-CA-18	05/16/02
Vinyl Chloride	EPA-624	<10	ug/l	MG-CA-18	05/16/02
Chloroethane	EPA-624	<10	ug/l	MG-CA-18	05/16/02
Methylene Chloride	EPA-624	<5	ug/l	MG-CA-18	05/16/02
Acetone	EPA-624	<10	ug/l	MG-CA-18	05/16/02
Carbon Disulfide	EPA-624	<5	ug/l	MG-CA-18	05/16/02
1,1-Dichloroethene	EPA-624	<5	ug/l	MG-CA-18	05/16/02
1,1-Dichloroethane	EPA-624	<5	ug/l	MG-CA-18	05/16/02
1,2-Dichloroethene Total	EPA-624	<5	ug/l	MG-CA-18	05/16/02
Chloroform	EPA-624	<5	ug/l	MG-CA-18	05/16/02
1,2 Dichloroethane	EPA-624	<5	ug/l	MG-CA-18	05/16/02
2-Butanone	EPA-624	<10	ug/l	MG-CA-18	05/16/02
1,1,1-Trichloroethane	EPA-624	<5	ug/l	MG-CA-18	05/16/02
Carbon Tetrachloride	EPA-624	<5	ug/l	MG-CA-18	05/16/02



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CLIENT: NYS Electric & Gas

Date Sampled: 05/13/02

CLIENT'S SAMPLE ID: Purge Water

Date sample received: 05/13/02

AES sample #: 020513 Y02

Samples taken by: D. Graham

Location: NYSEG Norwich

MATRIX: Water

composite

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Vinyl Acetate	EPA-624	<10	ug/l	MG-CA-18	05/16/02
Bromodichloromethane	EPA-624	<5	ug/l	MG-CA-18	05/16/02
1,2-Dichloropropane	EPA-624	<5	ug/l	MG-CA-18	05/16/02
trans-1,3-Dichloropropene	EPA-624	<5	ug/l	MG-CA-18	05/16/02
Trichloroethene	EPA-624	<5	ug/l	MG-CA-18	05/16/02
Dibromochloromethane	EPA-624	<5	ug/l	MG-CA-18	05/16/02
1,1,2-Trichloroethane	EPA-624	<5	ug/l	MG-CA-18	05/16/02
Benzene	EPA-624	22	ug/l	MG-CA-18	05/16/02
cis-1,3-Dichloropropene	EPA-624	<5	ug/l	MG-CA-18	05/16/02
2-Chloroethylvinylether	EPA-624	<10	ug/l	MG-CA-18	05/16/02
Bromoform	EPA-624	<5	ug/l	MG-CA-18	05/16/02
4-Methyl-2-pentanone	EPA-624	<10	ug/l	MG-CA-18	05/16/02
2-Hexanone	EPA-624	<10	ug/l	MG-CA-18	05/16/02
Tetrachloroethene	EPA-624	<5	ug/l	MG-CA-18	05/16/02
1,1,2,2-Tetrachloroethane	EPA-624	<5	ug/l	MG-CA-18	05/16/02
Toluene	EPA-624	51	ug/l	MG-CA-18	05/16/02
Chlorobenzene	EPA-624	<5	ug/l	MG-CA-18	05/16/02
Ethylbenzene	EPA-624	83	ug/l	MG-CA-18	05/16/02
Styrene	EPA-624	<5	ug/l	MG-CA-18	05/16/02
Xylenes, Total	EPA-624	49	ug/l	MG-CA-18	05/16/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW92-08
AES sample #: 020513 Y03

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	13	ug/l	SO-A	05/20/02
Ethylbenzene	EPA-8021	76	ug/l	SO-A	05/20/02
Toluene	EPA-8021	1	ug/l	SO-A	05/20/02
o-Xylene	EPA-8021	29	ug/l	SO-A	05/20/02
m,p-Xylene	EPA-8021	3	ug/l	SO-A	05/20/02
Isopropyl Benzene	EPA-8021	6	ug/l	SO-A	05/20/02
n-Propylbenzene	EPA-8021	2	ug/l	SO-A	05/20/02
p-Cymene	EPA-8021	<1	ug/l	SO-A	05/20/02
1,2,4-Trimethylbenzene	EPA-8021	11	ug/l	SO-A	05/20/02
1,3,5-TMB & Sec-BB Total	EPA-8021	7	ug/l	SO-A	05/20/02
n-Butylbenzene	EPA-8021	2	ug/l	SO-A	05/20/02
Naphthalene	EPA-8021	47	ug/l	SO-A	05/20/02
Methyl-t-Butyl Ether	EPA-8021	<2	ug/l	SO-A	05/20/02
t-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
Naphthalene	EPA-8270	17	ug/l	MT-CD-22	05/25/02
Acenaphthylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Acenaphthene	EPA-8270	17	ug/l	MT-CD-22	05/25/02
Fluorene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Phenanthrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW92-08
AES sample #: 020513 Y03

Date Sampled: 05/13/02
Date sample received: 05/13/02
Location: NYSEG Norwich
grab
Samples taken by: D. Graham
MATRIX: Water

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Chrysene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
2-Methylnaphthalene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW91-05
AES sample #: 020513 Y04

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	<0.5	ug/l	SO-A	05/20/02
Ethylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
Toluene	EPA-8021	<1	ug/l	SO-A	05/20/02
o-Xylene	EPA-8021	<1	ug/l	SO-A	05/20/02
m,p-Xylene	EPA-8021	<1	ug/l	SO-A	05/20/02
Isopropyl Benzene	EPA-8021	<1	ug/l	SO-A	05/20/02
n-Propylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
p-Cymene	EPA-8021	<1	ug/l	SO-A	05/20/02
1,2,4-Trimethylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
1,3,5-TMB & Sec-BB Total	EPA-8021	<1	ug/l	SO-A	05/20/02
n-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
Naphthalene	EPA-8021	<5	ug/l	SO-A	05/20/02
Methyl-t-Butyl Ether	EPA-8021	<2	ug/l	SO-A	05/20/02
t-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
Naphthalene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Acenaphthylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Acenaphthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Fluorene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Phenanthrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW91-05
AES sample #: 020513 Y04

Samples taken by: D. Graham
MATRIX: Water

Date Sampled: 05/13/02
Date sample received: 05/13/02
Location: NYSEG Norwich
grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Chrysene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
2-Methylnaphthalene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW92-11S
AES sample #: 020513 Y05

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	13	ug/l	SO-A	05/20/02
Ethylbenzene	EPA-8021	12	ug/l	SO-A	05/20/02
Toluene	EPA-8021	<1	ug/l	SO-A	05/20/02
o-Xylene	EPA-8021	9	ug/l	SO-A	05/20/02
m,p-Xylene	EPA-8021	1	ug/l	SO-A	05/20/02
Isopropyl Benzene	EPA-8021	2	ug/l	SO-A	05/20/02
n-Propylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
p-Cymene	EPA-8021	<1	ug/l	SO-A	05/20/02
1,2,4-Trimethylbenzene	EPA-8021	3	ug/l	SO-A	05/20/02
1,3,5-TMB & Sec-BB Total	EPA-8021	1	ug/l	SO-A	05/20/02
n-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
Naphthalene	EPA-8021	<5	ug/l	SO-A	05/20/02
Methyl-t-Butyl Ether	EPA-8021	<2	ug/l	SO-A	05/20/02
t-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
Naphthalene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Acenaphthylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Acenaphthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Fluorene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Phenanthrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW92-11S
AES sample #: 020513 Y05

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Chrysene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
2-Methylnaphthalene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW92-11D
AES sample #: 020513 Y06

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	5	ug/l	SO-A	05/21/02
Ethylbenzene	EPA-8021	<1	ug/l	SO-A	05/21/02
Toluene	EPA-8021	<1	ug/l	SO-A	05/21/02
o-Xylene	EPA-8021	<1	ug/l	SO-A	05/21/02
m,p-Xylene	EPA-8021	<1	ug/l	SO-A	05/21/02
Isopropyl Benzene	EPA-8021	<1	ug/l	SO-A	05/21/02
n-Propylbenzene	EPA-8021	<1	ug/l	SO-A	05/21/02
p-Cymene	EPA-8021	<1	ug/l	SO-A	05/21/02
1,2,4-Trimethylbenzene	EPA-8021	<1	ug/l	SO-A	05/21/02
1,3,5-TMB & Sec-BB Total	EPA-8021	<1	ug/l	SO-A	05/21/02
n-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/21/02
Naphthalene	EPA-8021	<5	ug/l	SO-A	05/21/02
Methyl-t-Butyl Ether	EPA-8021	<2	ug/l	SO-A	05/21/02
t-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/21/02
Naphthalene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Acenaphthylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Acenaphthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Fluorene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Phenanthrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW92-11D
AES sample #: 020513 Y06

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Chrysene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
2-Methylnaphthalene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW91-6
AES sample #: 020513 Y07

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTE/REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	69	ug/l	SO-A	05/20/02
Ethylbenzene	EPA-8021	340	ug/l	SO-A	05/20/02
Toluene	EPA-8021	<50	ug/l	SO-A	05/20/02
o-Xylene	EPA-8021	140	ug/l	SO-A	05/20/02
m,p-Xylene	EPA-8021	<50	ug/l	SO-A	05/20/02
Isopropyl Benzene	EPA-8021	<50	ug/l	SO-A	05/20/02
n-Propylbenzene	EPA-8021	<50	ug/l	SO-A	05/20/02
p-Cymene	EPA-8021	<50	ug/l	SO-A	05/20/02
1,2,4-Trimethylbenzene	EPA-8021	130	ug/l	SO-A	05/20/02
1,3,5-TMB & Sec-EB Total	EPA-8021	<50	ug/l	SO-A	05/20/02
n-Butylbenzene	EPA-8021	<50	ug/l	SO-A	05/20/02
Naphthalene	EPA-8021	1600	ug/l	SO-A	05/20/02
Methyl-t-Butyl Ether	EPA-8021	<100	ug/l	SO-A	05/20/02
t-Butylbenzene	EPA-8021	<50	ug/l	SO-A	05/20/02
Naphthalene	EPA-8270	630	ug/l	MT-CD-22	05/25/02
Acenaphthylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Acenaphthene	EPA-8270	83	ug/l	MT-CD-22	05/25/02
Fluorene	EPA-8270	18	ug/l	MT-CD-22	05/25/02
Phenanthrene	EPA-8270	16	ug/l	MT-CD-22	05/25/02
Anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW91-6
AES sample #: 020513 Y07

Samples taken by: D. Graham
MATRIX: Water

Date Sampled: 05/13/02
Date sample received: 05/13/02
Location: NYSEG Norwich
grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Chrysene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
2-Methylnaphthalene	EPA-8270	16	ug/l	MT-CD-22	05/25/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW01-14
AES sample #: 020513 Y08

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	100	ug/l	SO-A	05/20/02
Ethylbenzene	EPA-8021	460	ug/l	SO-A	05/20/02
Toluene	EPA-8021	<50	ug/l	SO-A	05/20/02
o-Xylene	EPA-8021	170	ug/l	SO-A	05/20/02
m,p-Xylene	EPA-8021	51	ug/l	SO-A	05/20/02
Isopropyl Benzene	EPA-8021	38	ug/l	SO-A	05/20/02
n-Propylbenzene	EPA-8021	<50	ug/l	SO-A	05/20/02
p-Cymene	EPA-8021	<50	ug/l	SO-A	05/20/02
1,2,4-Trimethylbenzene	EPA-8021	220	ug/l	SO-A	05/20/02
1,3,5-TMB & Sec-BB Total	EPA-8021	97	ug/l	SO-A	05/20/02
n-Butylbenzene	EPA-8021	35	ug/l	SO-A	05/20/02
Naphthalene	EPA-8021	1100	ug/l	SO-A	05/20/02
Methyl-t-Butyl Ether	EPA-8021	<100	ug/l	SO-A	05/20/02
t-Butylbenzene	EPA-8021	<50	ug/l	SO-A	05/20/02
Naphthalene	EPA-8270	680	ug/l	MT-CD-22	05/25/02
Acenaphthylene	EPA-8270	40	ug/l	MT-CD-22	05/25/02
Acenaphthene	EPA-8270	410	ug/l	MT-CD-22	05/25/02
Fluorene	EPA-8270	160	ug/l	MT-CD-22	05/25/02
Phenanthrene	EPA-8270	380	ug/l	MT-CD-22	05/25/02
Anthracene	EPA-8270	100	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW01-14
AES sample #: 020513 Y08

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluoranthene	EPA-8270	130	ug/l	MT-CD-22	05/25/02
Pyrene	EPA-8270	190	ug/l	MT-CD-22	05/25/02
Chrysene	EPA-8270	44	ug/l	MT-CD-22	05/25/02
Benzo(b)fluoranthene	EPA-8270	27	ug/l	MT-CD-22	05/25/02
Benzo(k)fluoranthene	EPA-8270	36	ug/l	MT-CD-22	05/25/02
Benzo(a)pyrene	EPA-8270	42	ug/l	MT-CD-22	05/25/02
Indeno(1,2,3-cd)pyrene	EPA-8270	26	ug/l	MT-CD-22	05/25/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(g,h,i)perylene	EPA-8270	27	ug/l	MT-CD-22	05/25/02
Benzo(a)anthracene	EPA-8270	70	ug/l	MT-CD-22	05/25/02
2-Methylnaphthalene	EPA-8270	100	ug/l	MT-CD-22	05/25/02
Dibenzofuran	EPA-8270	56	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: SPMP-1S
AES sample #: 020513 Y09

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	<2.5	ug/l	SO-A	05/20/02
Ethylbenzene	EPA-8021	<5	ug/l	SO-A	05/20/02
Toluene	EPA-8021	<5	ug/l	SO-A	05/20/02
o-Xylene	EPA-8021	22	ug/l	SO-A	05/20/02
m,p-Xylene	EPA-8021	<5	ug/l	SO-A	05/20/02
Isopropyl Benzene	EPA-8021	<5	ug/l	SO-A	05/20/02
n-Propylbenzene	EPA-8021	<5	ug/l	SO-A	05/20/02
p-Cymene	EPA-8021	<5	ug/l	SO-A	05/20/02
1,2,4-Trimethylbenzene	EPA-8021	18	ug/l	SO-A	05/20/02
1,3,5-TMB & Sec-BB Total	EPA-8021	24	ug/l	SO-A	05/20/02
n-Butylbenzene	EPA-8021	29	ug/l	SO-A	05/20/02
Naphthalene	EPA-8021	170	ug/l	SO-A	05/20/02
Methyl-t-Butyl Ether	EPA-8021	<10	ug/l	SO-A	05/20/02
t-Butylbenzene	EPA-8021	<5	ug/l	SO-A	05/20/02
Naphthalene	EPA-8270	29	ug/l	MT-CD-22	05/25/02
Acenaphthylene	EPA-8270	14	ug/l	MT-CD-22	05/25/02
Acenaphthene	EPA-8270	220	ug/l	MT-CD-22	05/25/02
Fluorene	EPA-8270	86	ug/l	MT-CD-22	05/25/02
Phenanthrene	EPA-8270	200	ug/l	MT-CD-22	05/25/02
Anthracene	EPA-8270	75	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: SPMP-1S
AES sample #: 020513 Y09

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluoranthene	EPA-8270	130	ug/l	MT-CD-22	05/25/02
Pyrene	EPA-8270	250	ug/l	MT-CD-22	05/25/02
Chrysene	EPA-8270	74	ug/l	MT-CD-22	05/25/02
Benzo(b)fluoranthene	EPA-8270	30	ug/l	MT-CD-22	05/25/02
Benzo(k)fluoranthene	EPA-8270	34	ug/l	MT-CD-22	05/25/02
Benzo(a)pyrene	EPA-8270	50	ug/l	MT-CD-22	05/25/02
Indeno(1,2,3-cd)pyrene	EPA-8270	26	ug/l	MT-CD-22	05/25/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(g,h,i)perylene	EPA-8270	22	ug/l	MT-CD-22	05/25/02
Benzo(a)anthracene	EPA-8270	100	ug/l	MT-CD-22	05/25/02
2-Methylnaphthalene	EPA-8270	14	ug/l	MT-CD-22	05/25/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW01-15S
AES sample #: 020513 Y10

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK</u>	<u>REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	11	ug/l	SO-A		05/20/02
Ethylbenzene	EPA-8021	110	ug/l	SO-A		05/20/02
Toluene	EPA-8021	<50	ug/l	SO-A		05/20/02
o-Xylene	EPA-8021	51	ug/l	SO-A		05/20/02
m,p-Xylene	EPA-8021	52	ug/l	SO-A		05/20/02
Isopropyl Benzene	EPA-8021	<50	ug/l	SO-A		05/20/02
n-Propylbenzene	EPA-8021	<50	ug/l	SO-A		05/20/02
p-Cymene	EPA-8021	<50	ug/l	SO-A		05/20/02
1,2,4-Trimethylbenzene	EPA-8021	67	ug/l	SO-A		05/20/02
1,3,5-TMB & Sec-BB Total	EPA-8021	63	ug/l	SO-A		05/20/02
n-Butylbenzene	EPA-8021	46	ug/l	SO-A		05/20/02
Naphthalene	EPA-8021	1100	ug/l	SO-A		05/20/02
Methyl-t-Butyl Ether	EPA-8021	<100	ug/l	SO-A		05/20/02
t-Butylbenzene	EPA-8021	<50	ug/l	SO-A		05/20/02
Naphthalene	EPA-8270	270	ug/l	MT-CD-22		05/25/02
Acenaphthylene	EPA-8270	16	ug/l	MT-CD-22		05/25/02
Acenaphthene	EPA-8270	110	ug/l	MT-CD-22		05/25/02
Fluorene	EPA-8270	38	ug/l	MT-CD-22		05/25/02
Phenanthrene	EPA-8270	74	ug/l	MT-CD-22		05/25/02
Anthracene	EPA-8270	21	ug/l	MT-CD-22		05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: GW01-15S
AES sample #: 020513 Y10

Samples taken by: D. Graham
MATRIX: Water

Date Sampled: 05/13/02
Date sample received: 05/13/02
Location: NYSEG Norwich
grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluoranthene	EPA-8270	19	ug/l	MT-CD-22	05/25/02
Pyrene	EPA-8270	27	ug/l	MT-CD-22	05/25/02
Chrysene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
2-Methylnaphthalene	EPA-8270	130	ug/l	MT-CD-22	05/25/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: SPMP-2S
AES sample #: 020513 Y11

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	<0.5	ug/l	SO-A	05/21/02
Ethylbenzene	EPA-8021	41	ug/l	SO-A	05/21/02
Toluene	EPA-8021	1	ug/l	SO-A	05/21/02
o-Xylene	EPA-8021	34	ug/l	SO-A	05/21/02
m,p-Xylene	EPA-8021	3	ug/l	SO-A	05/21/02
Isopropyl Benzene	EPA-8021	5	ug/l	SO-A	05/21/02
n-Propylbenzene	EPA-8021	2	ug/l	SO-A	05/21/02
p-Cymene	EPA-8021	1	ug/l	SO-A	05/21/02
1,2,4-Trimethylbenzene	EPA-8021	62	ug/l	SO-A	05/21/02
1,3,5-TMB & Sec-BB Total	EPA-8021	22	ug/l	SO-A	05/21/02
n-Butylbenzene	EPA-8021	10	ug/l	SO-A	05/21/02
Naphthalene	EPA-8021	53	ug/l	SO-A	05/21/02
Methyl-t-Butyl Ether	EPA-8021	<2	ug/l	SO-A	05/21/02
t-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/21/02
Naphthalene	EPA-8270	23	ug/l	MT-CD-22	05/25/02
Acenaphthylene	EPA-8270	15	ug/l	MT-CD-22	05/25/02
Acenaphthene	EPA-8270	63	ug/l	MT-CD-22	05/25/02
Fluorene	EPA-8270	28	ug/l	MT-CD-22	05/25/02
Phenanthrene	EPA-8270	68	ug/l	MT-CD-22	05/25/02
Anthracene	EPA-8270	16	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas
CLIENT'S SAMPLE ID: SPMP-2S
AES sample #: 020513 Y11

Date Sampled: 05/13/02
Date sample received: 05/13/02
Samples taken by: D. Graham
Location: NYSEG Norwich
MATRIX: Water grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluoranthene	EPA-8270	18	ug/l	MT-CD-22	05/25/02
Pyrene	EPA-8270	35	ug/l	MT-CD-22	05/25/02
Chrysene	EPA-8270	10	ug/l	MT-CD-22	05/25/02
Benzo(b)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(k)fluoranthene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Indeno(1,2,3-cd)pyrene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzo(a,h)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(g,h,i)perylene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Benzo(a)anthracene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
2-Methylnaphthalene	EPA-8270	<10	ug/l	MT-CD-22	05/25/02
Dibenzofuran	EPA-8270	<10	ug/l	MT-CD-22	05/25/02



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CLIENT: NYS Electric & Gas

Date Sampled: 04/10/02

CLIENT'S SAMPLE ID: Trip Blank Lot#0207

Date sample received: 05/13/02

AES sample #: 020513 Y12

Samples taken by: D. Graham

Location: NYSEG Norwich

MATRIX: Water

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTE/REF</u>	<u>TEST DATE</u>
Benzene	EPA-8021	<0.5	ug/l	SO-A	05/20/02
Ethylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
Toluene	EPA-8021	<1	ug/l	SO-A	05/20/02
o-Xylene	EPA-8021	<1	ug/l	SO-A	05/20/02
m,p-Xylene	EPA-8021	<1	ug/l	SO-A	05/20/02
Isopropyl Benzene	EPA-8021	<1	ug/l	SO-A	05/20/02
n-Propylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
p-Cymene	EPA-8021	<1	ug/l	SO-A	05/20/02
1,2,4-Trimethylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
1,3,5-TMB & Sec-BB Total	EPA-8021	<1	ug/l	SO-A	05/20/02
n-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02
Naphthalene	EPA-8021	<5	ug/l	SO-A	05/20/02
Methyl-t-Butyl Ether	EPA-8021	<2	ug/l	SO-A	05/20/02
t-Butylbenzene	EPA-8021	<1	ug/l	SO-A	05/20/02

APPROVED BY: 

Report date: 05/29/02



314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: <u>Shaw Environmental</u>		Address: <u>13 British American Blvd</u>	
Send Report To: <u>Drew Graham</u>		Project Name (Location): <u>NYSEG Norwich</u>	Samplers (Names): <u>D. Graham</u>
Client Phone No: <u>518-783-1096</u>		PO Number:	Samplers (Signature): <u>[Signature]</u>
Client Fax No: <u>518-783-8397</u>			

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
020513 Y01	Carbon	5/13	1000	A P S	X		2	Reactivity Ca, Sulfide TCLP VOCs
Y02	Purge Water	5/13	1015	A P L	X		6	VOCs, PH, Reactivity Flash point
Y03	GW92-08	5/13	1110	A P L		X	3	8021, PAH 8270
Y04	GW91-5	5/13	1120	A P L		X	3	
Y05	GW-92-11S	5/13	1125	A P L		X	3	
Y06	GW-92-11D	5/13	1130	A P L		X	3	
Y07	GW91-6	5/13	1140	A P L		X	3	
Y08	GW01-14	5/13	1145	A P L		X	3	
Y09	SPMP-1S	5/13	1155	A P L		X	3	
Y10	GW01-15S	5/13	1205	A P L		X	3	
Y11	SPMP-2S	5/13	1215	A P L		X	3	
Y12	TRIP BLANK LOT #0207	4/10/02		A P WA		X	1	8021
				A P				
				A P				
				A P				

Turnaround Time Request: <input type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> Normal <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day		Special Instructions/Remarks <u>Please send invoice and copy of data to John Buspentin; @ NYSEG.</u>	
CC Report To:			
Relinquished by: (Signature) <u>[Signature]</u>		Received by: (Signature) <u>[Signature]</u>	Date/Time
Relinquished by: (Signature)		Received for Laboratory by: <u>MLP</u>	Date/Time <u>5/13/02 3:20</u>
TEMPERATURE Ambient or <u>Chilled</u> Notes: <u>5°C</u>	PROPERLY PRESERVED <u>Y</u> N Notes:	RECEIVED WITHIN HOLDING TIMES <u>Y</u> N Notes:	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.

APPENDIX B
SITE LAYOUT MAP

NOTES

1. ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE.
2. EXISTING BUILDING STRUCTURES AND ACCESS ROADS MADE FROM OBSERVATION.
3. LOCATION/SIZE OF 1000 GALLON FUEL OIL TST APPROXIMATE.

N/F
COUNTY OF CHEMUNG

DRAWING NUMBER
108196D12

APPROVED BY

CHECKED BY

DRAWN BY
S. SHKOLNIK 02-11-02

OFFICE
ALBANY, NY

L:\project\NYSEG\NORWICH\PD\108196\108196D12.dwg
Plot Date/Time: 09/17/02 01:18pm
Image:
Xref:
Format Revised: 11/23/99

TOPS MARKET

APPROXIMATE PROPERTY LINE

FORMER RELIEF HOLDER

NYSEG SUBSTATION

N/F
PATRICIA W. MARTINS

N/F
ROBERT D. &
HELEN M. BROTHEN

APPROXIMATE LOCATION
OF SITE BOUNDARY
DISPERSE POINT

NYSEG BUILDING

TRENCH FOR AS/SE PIPING

AT 11A'

APPROXIMATE LOCATION
EXISTING 1000 GALLON
FUEL OIL STORAGE TANK

SCALE
0 20 40 60 FEET

SITE LAYOUT MAP

NORWICH FORMER MGP SITE
NORWICH, NEW YORK



NEW YORK STATE ELECTRIC & GAS

LEGEND

- CHAIN LINK FENCE
- GAS MAIN
- OVERHEAD ELECTRIC LINE
- GAS VALVE
- FIRE HYDRANT
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- LIGHT POLE
- GUY WIRE AND ANCHOR
- TEMPORARY MONITORING POINT
- MONITORING POINT
- SPARGE WELL
- MONITORING WELL
- HORIZONTAL VENT
- APPROXIMATE TRENCH LOCATION

APPENDIX C

GRAPHS

Chart1

Depth to Water (GW91-6) Versus Blower Effluent PID Readings (Leg 4)

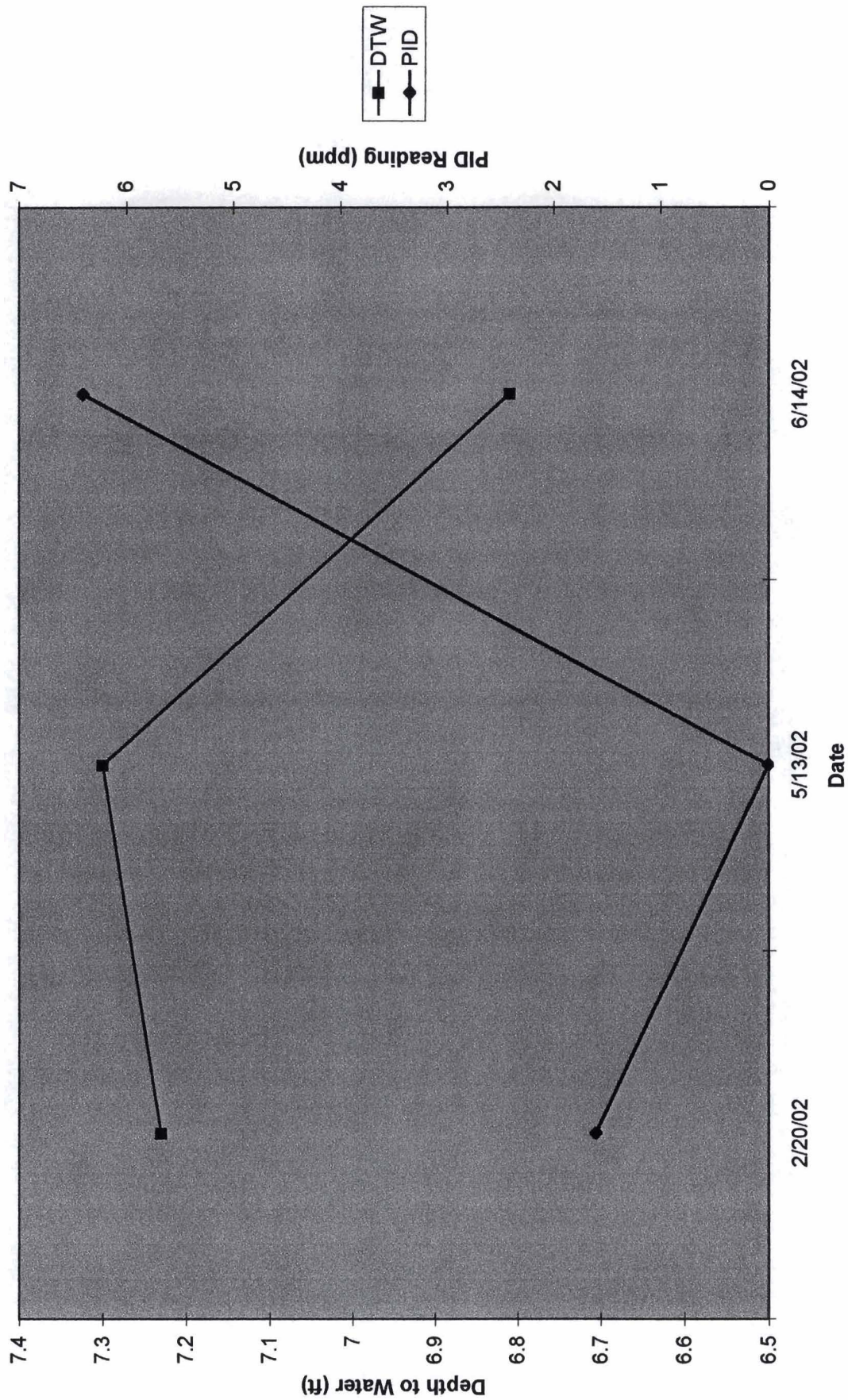


Chart2

Depth to Water (SPMP-1S) Versus Blower Effluent PID Readings (Leg 1)

